



[Click here to go to Contents Page](#)

**Series DH1 no.31**

# Mortality statistics

**general**

**Review of the Registrar General on deaths  
in England and Wales, 1998**

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# Contents

Select the HAND tool. Position it over the Contents list below and when an ARROW appears on the hand click the mouse button once to enlarge the text. Continue clicking the arrowed hand tool to advance down the page. When the HAND tool changes to a POINTED FINGER click the mouse button once to link to the listed item.

## 1 Introduction

1.1	Recent changes affecting mortality data	ix
1.2	Tables in this volume	ix
1.3	Data analysed in this volume	xi
1.4	Associated publications	xiv
	<i>Historic data, and figures for UK countries</i>	
	<i>Other ONS annual volumes</i>	
	<i>Unpublished tables</i>	
	<i>Quarterly publications, and StatBase®</i>	
1.5	Other publications	xv

## 2 Notes and definitions

2.1	Base populations	xvi
2.2	Occurrences and registrations	xvii
2.3	Areal coverage	xviii
2.4	Definitions of areas	xviii
2.5	Usual residence of deceased, and place of occurrence	xx
	<i>Usual residence of deceased</i>	
	<i>Place of occurrence</i>	
	<i>Deaths in hospices</i>	
	<i>Usual residence, and area of occurrence</i>	
2.6	Country of birth	xxi
2.7	Death rates and ratios	xxii
	<i>Basic rates</i>	
	<i>Standardised mortality ratios</i>	
	<i>Annualised death rates and ratios</i>	
2.8	Certification of cause of death	xxiv
	<i>Referral to the coroner</i>	
	<i>Coroners' inquests</i>	
	<i>Legally uncertified deaths</i>	
2.9	Coding the underlying cause of death	xxv
2.10	Causes of death	xxv
2.11	Secondary causes (ICD codes 800-999)	xxviii
2.12	Amended cause of death	xxviii
2.13	Accelerated registrations	xxix
2.14	Registration of deaths by declaration	xxix
2.15	Neonatal deaths	xxxi
2.16	Expectation of life, and years of life lost	xxxi
	<i>Life tables</i>	
	<i>Years of life lost</i>	
2.17	Legislation	xxxii
2.18	Historical changes in mortality data	xxxii
2.19	Symbols and conventions	xxxiv
2.20	Further information	xxxiv

	Page
<b>3 Other information</b>	
3.1 Redevelopment of mortality statistics	xxxv
<i>Registration practice</i>	
<i>The deaths databases</i>	
<i>Automated cause coding</i>	
3.2 Use of medical enquiries	xxxv
3.3 Use of WHO Rule 3	xxxv
3.4 Using cause of death data from 1993	xxxvi
<b>4 Quality of mortality data</b>	
4.1 Writing the medical certificate of cause of death	xxxvii
4.2 Registration of the death	xxxvii
4.3 Entry of data into Registration Service Software (RSS)	xxxvii
4.4 Other checks made by the registration service	xxxvii
<i>At the time of registration</i>	
<i>By Superintendent Registrars and Inspectors of Registration</i>	
4.5 Receipt of death registration data at Titchfield	xxxviii
4.6 Validation processes	xxxviii
4.7 Routine checks in Titchfield	xxxviii
4.8 Automated Cause Coding system (ACCS)	xxxix
4.9 Checks before and after extraction of data for analysis	xxxix
4.10 Checks on routine outputs	xxxix
4.11 Analysis of ill-defined causes of death	xl
<b>Text tables</b>	
A Presentation of main tables for deaths by age, sex and marital status	x
B Deaths at ages 110 and over, 1996-98	x
C Tables formerly appearing in the serial tables volume	xi
D Listing of tables in this volume	xii
E Deaths by year of occurrence and registration, 1993-99	xvii
F Number of deaths in occurrence and registration extracts, 1993-99	xviii
G Deaths by usual residence of deceased, 1995-98	xviii
H Country groupings for birthplace of deceased	xxii
I Deaths by method of certification and registration, 1995-98	xxv
J ONS short list of cause of death codes in ICD9	xxvii
K Deaths registered by declaration, 1997-99	xxx
L Age-standardised death rates for selected ill-defined conditions, 1992-98	xl
<b>Figure A</b> Certification and registration of deaths occurring in 1998	xxvi
<b>Figure B</b> Percentage distribution of period between occurrence and registration, for deaths by declaration and all other deaths, 1997-99	xxxix
<b>References</b>	xli

## Tables

### Population

<b>Table 1</b>	Estimated resident population (1991 Census based): sex and age, as at 30 June 1998	England and Wales	<b>1</b>
<b>Table 2</b>	Estimated resident population (1991 Census based): sex and age-group by area of usual residence, as at 30 June 1998	England and Wales, England, Wales, government office regions, regional offices	<b>2</b>

### Trends

<b>Table 3</b>	Deaths, death rates, Standardised Mortality Ratios, infant and perinatal mortality and live and stillbirth rates, 1841-1998	England and Wales	<b>4</b>
<b>Table 4</b>	Death rates per 1,000 population within sex and age groups, and infant mortality rates per 1,000 live births, 1841-1998	England and Wales	<b>5</b>
<b>Table 5</b>	Deaths and death rates per million population: sex and age-group, 1911-1995	England and Wales	<b>8</b>

### Age, sex and marital status

<b>Table 6</b>	Deaths and death rates per 1,000 population: age-group and sex, 1998	United Kingdom, England and Wales, England, Wales, Scotland, Northern Ireland	<b>10</b>
<b>Table 7</b>	Death rates per 1,000,000 population: age-group and sex, infant mortality rates and Standardised Mortality Ratios for selected underlying causes, 1998	United Kingdom, England, Wales, Scotland, Northern Ireland	<b>12</b>
<b>Table 8</b>	Death rates per 1,000 population: age and sex, 1998	England and Wales	<b>38</b>
<b>Table 9</b>	Deaths: age, sex and marital status, 1998	England and Wales	<b>39</b>
<b>Table 10</b>	Death rates per 1,000 population: age-group, sex and marital status, 1998	England and Wales	<b>41</b>

### Period of occurrence

<b>Table 11</b>	Deaths: numbers, annual rates by quarter of registration, and ratios of these rates to yearly rates, 1841-1998	England and Wales	<b>42</b>
-----------------	--	-------------------	-----------

		Page
<b>Table 12</b>	Deaths: month of occurrence, annualised monthly ratios, age-group and sex, 1998	England and Wales 45
<b>Table 13</b>	Deaths: month of occurrence, numbers and annualised monthly ratios, underlying cause and sex, 1998	England and Wales 46
<b>Usual residence</b>		
<b>Table 14</b>	Death rates per 1,000 population: sex and age-group, by area of usual residence, 1998	England and Wales, England, Wales, government office regions, metropolitan and non-metropolitan counties, regional offices 48
<b>Table 15</b>	Standardised Mortality Ratios: area of usual residence, underlying cause and sex, 1998	England, Wales, government office regions, metropolitan and non-metropolitan counties, regional offices 50
<b>Table 16</b>	Deaths: area of occurrence by area of usual residence and sex, all causes and external causes of injury and poisoning, a. 1996 b. 1997 c. 1998	England and Wales, England, Wales, regional offices, health authorities 68
<b>Place of occurrence</b>		
<b>Table 17</b>	Deaths: place of occurrence and sex by underlying cause and age-group, 1998	England and Wales 92
<b>Table 18</b>	Deaths: place of occurrence by certifier, and for deaths certified by doctor, whether body seen after death and interval since last seen alive, 1998	England and Wales 98
<b>Table 19</b>	Deaths: area of usual residence and sex, by place of occurrence, (numbers and percentages) 1998	England and Wales, England, Wales, regional offices, health authorities 100
<b>Country of birth</b>		
<b>Table 20</b>	Deaths: country of birth of deceased and sex, 1971, 1981, 1991 and 1998	England and Wales 108
<b>Certification and registration</b>		
<b>Table 21</b>	Deaths: coroner consultation and final method of certification, 1998	England and Wales 110
<b>Table 22</b>	Deaths: method of certification, underlying cause and sex, 1998	England and Wales 111

	<b>Page</b>
<b>Expectation of life</b>	
<b>Table 23</b> Expectation of life at birth and at ages 1 year, 15 years, 45 years and 65 years, 1838 to 1998	<b>114</b>
<b>Table 24</b> Interim Life Table, 1996 to 1998	<b>115</b>
<b>Table 25</b> Years of life lost due to mortality from certain underlying causes: numbers of deaths, death rates per 10,000 population, mean ages at death, years of 'working life' lost and years of 'total life' lost per 10,000 population, 1998	<b>116</b>
<b>Occurrences and registrations</b>	
<b>Table 26</b> Deaths occurring in 1998 and deaths registered in 1998: age-group and sex	<b>117</b>
<b>Table 27</b> Deaths occurring in 1998 and deaths registered in 1998: area of usual residence and sex	<b>118</b>
	England and Wales, England, Wales, government office regions, unitary authorities, Greater London, London boroughs, metropolitan and non-metropolitan counties, county districts, regional offices and health authorities
<b>Annex A</b> Medical certificate of cause of death	<b>127</b>
<b>Annex B</b> Draft entry form used in the current system for registering deaths (Form 310(Rev))	<b>128</b>
<b>Annex C</b> Coroner's certificate after inquest (Form 99(REV)A&B - white)	<b>129</b>
<b>Annex D</b> Notification to the registrar by the coroner that he does not consider it necessary to hold an inquest - no post mortem held (Form 100A - salmon pink)	<b>131</b>
<b>Annex E</b> Notification to the registrar by the coroner that he does not consider it necessary to hold an inquest - post mortem held (Form 100B - pink)	<b>132</b>
<b>Annex F</b> Coroner's certificate after inquest adjourned (Form 120A&B - yellow)	<b>133</b>
<b>Annex G</b> Coroner's certificate (reporting on action subsequent to an adjourned inquest) (Form 121 - blue)	<b>135</b>
<b>Annex H</b> Declaration of particulars for the registration of a death (Form 400)	<b>136</b>

## Summary of contents for recent volumes in the DH series\*

	DH1 no 31 1998 (general)	DH2 no 25 1998 (cause)	DH3 no 31 1998 (childhood, infant and perinatal)	DH4 no 23 1998 (injury & poisoning)
<b>Introduction</b>				
Recent changes affecting mortality data	1.1	1.1		1.1
Tables in this volume	1.2	1.2	1.1	1.2
Data analysed in this volume	1.3	1.3	1.2	1.3
Associated publications	1.4	1.4	1.3	1.4
Other publications	1.5	1.5	1.4	1.5
<b>Notes and definitions</b>				
Base populations	2.1	2.1	2.1	2.1
Occurrences and registrations	2.2	2.2	2.2	2.2
Usual residence (and place of occurrence)	2.5		2.3	
Areal coverage	2.3	2.3	2.4	2.3
Definitions of areas	2.4		2.5	
Country of birth of deceased	2.6			
Death rates and standardisation	2.7	2.4	2.6	2.4
Registration of births and deaths			2.7	
Certification of cause of death	2.8	2.5		2.5
Coding the underlying cause of death	2.9	2.6	2.8	2.6
ONS cause groups			2.9	
Causes of death listed in this volume	2.10	2.7	2.10	
Secondary causes (ICD codes 800-999)	2.11	2.8	2.11	2.7
Analysis of conditions mentioned on the death certificate		2.9		
Amended cause of death	2.12	2.10	2.12	2.8
Accelerated registrations	2.13	2.11	2.13	2.9
Associated digits		2.12		
Registration of deaths by declaration	2.14			
Stillbirths			2.14	
Infant deaths			2.15	
Neonatal deaths	2.15	2.13	2.16	2.10
Expectation of life and years of life lost	2.16			
Late registrations				2.11
Deaths from poisoning by drugs, drug abuse and drug dependence				2.12
Linkage of births and deaths			2.17	
Unlinked cases			2.18	
Social class as defined by occupation			2.19	
Births within/outside marriage, and sole/joint registration			2.20	
Country of birth of mother			2.21	
Birthweight			2.22	
Parity			2.23	
Legislation	2.17	2.14	2.24	2.13
Historical changes in mortality data	2.18	2.15	2.25	2.14
Symbols and conventions	2.19	2.16	2.26	2.15
Further information from ONS	2.20	2.17	2.27	2.16
<b>Other information</b>				
Redevelopment of mortality statistics	3.1	3.1	3.1	3.1
Use of medical enquiries	3.2	3.2	3.2	3.2
Use of WHO Rule 3	3.3	3.3	3.3	3.3
Using cause of death data from 1993	3.4	3.4	3.4	3.4
Homicides				3.5
Suicides				3.6
<b>Quality of mortality data</b>				
Writing the medical certificate of cause of death	4.1	4.1	4.1	4.1
Registration of the death	4.2	4.2	4.2	4.2
Entry of data into Registration Service Software (RSS)	4.3	4.3	4.3	4.3
Other checks made by the registration service	4.4	4.4	4.4	4.4
Receipt of death registration data at ONS Titchfield	4.5	4.5	4.5	4.5
Validation processes	4.6	4.6	4.6	4.6
Routine checks in Titchfield	4.7	4.7	4.7	4.7
Automated Cause Coding System	4.8	4.8	4.8	4.8
Checks before and after extraction of data for analysis	4.9	4.9	4.9	4.9
Checks on routine outputs	4.10	4.10	4.10	4.10
Ill-defined causes	4.11	4.11	4.11	4.11
<b>Quality of births data</b>				
Summary of checks and validations			5.1	
Missing information and imputation			5.2	

\* numbers shown refer to sections in each of the latest issues of the volumes



# 1. Introduction

*Mortality statistics: general 1998* deals with statistics of deaths relating to England and Wales, classified by sex and age, and by certain information collected at the time of registration - such as method of certification and place of death. The previous annual reference volume (ARV) in this series covered deaths occurring in 1997<sup>1</sup>.

The Office for National Statistics (ONS) was formed on 1 April 1996, bringing together the Office of Population, Censuses and Surveys (OPCS) and the Central Statistical Office (CSO). OPCS and CSO are referred to in this volume, as appropriate, for historic events and publications.

This volume is the first in the DH1 series to be published under the National Statistics logo, a new designation applied to statistical outputs which guarantees that they have been produced to high professional standards set out in a Code of Practice, and have been produced free from political interference. The registration of life events - that is, births, deaths and marriages - is carried out by the Local Registration Service in partnership with the General Register Office (GRO) in Southport, which is part of ONS.

## 1.1 Recent changes affecting mortality data

In the early 1990's OPCS redeveloped its systems for collecting, processing and handling population, health and registration data, as well as procedures for providing outputs such as tables and extract listings. The redevelopment programme included all events covered by the Office, in particular births and deaths. The main changes affecting mortality data (summarised in section 3.1) included :

- the progressive computerisation of registration - so that registrars in nearly all local offices are now able to enter details on PCs and then supply data to ONS on floppy disk
- the automation of cause of death coding - so that ONS procedures for assigning underlying cause are now automatic for some 80% of all deaths
- the use of a dynamic database to hold all deaths data - so that up-to-date information may be easily retrieved.

Other changes, including a move to presenting mortality data by the year of occurrence rather than the year in which the death was registered, are described in section 2.

As a result of introducing automated cause coding in 1993, based on software developed by the US National Center for Health Statistics (NCHS), ONS now uses coding rules which are in line with international practice. However, these changes affected cause of death data from 1993 when compared with 1992 and earlier years. The effects of these changes are outlined in section 3 and have been analysed elsewhere<sup>2</sup>. Further details were provided in the annual reference volume in the DH2 series for 1993-94<sup>3</sup>.

ONS plans to produce volumes in the DH1 series within 21 months of the end of the data year. Thus, the 1999 volume should appear in the third quarter of 2001. Much of the apparent delay in producing this volume arises from a delay of nine months before ONS take an annual extract of deaths occurring in a year (see section 2.2). The first volume in the DH series to appear each year is DH2, by about December following the end of the data year.

## 1.2 Tables in this volume

The tables in this volume are similar to those in the 1993 to 1997 volumes, with a structured layout containing sections on separate topics. These topics include the certification and registration of deaths, the place of death, and seasonal mortality. The volume also includes some serial tables, showing long term trends.

**Tables 1 and 2** show population data by age and sex. **Table 1** is for England and Wales, by single year of age, while **Table 2** gives regional data for age groups.

**Tables 3 to 5** show historic trends in numbers of deaths and death rates, as well as in rates for live births and stillbirths, and infant deaths. These tables formerly appeared in the serial table volume in the DH1 series<sup>4</sup>. **Table 3** summarises rates for vital events since 1841, while **Table 4** gives age-specific death rates over the same period for broad age groups. Age-specific rates are also given in **Table 5**, but in five-year age groups, and from 1911.

In **Table 3** infant mortality rates for years up to 1974 are based on unlinked data<sup>5</sup>. For years 1975-80 (and the quinquennium 1976-80) the rates in parentheses are based on linked data, while those not in parentheses are based on unlinked data. From 1981 onwards these rates are based on linked data.

**Table A Presentation of main tables for deaths by age, sex and marital status**

Table	Areas	Numbers/rates	Age detail
6	UK and constituent countries	numbers and rates	5 year groups
7	UK and constituent countries	rates	10 year groups (includes detail by cause)
8	E&W	rates	single years
9	E&W	numbers	single years (includes detail by marital status)
10	E&W	rates	5 year groups (includes detail by marital status)

**Tables 6 to 10** present figures on deaths by age, sex and marital status at varying levels of detail, for England and Wales and for other constituent countries of the United Kingdom. These five tables are summarised in **Table A** above.

In **Tables 6** and **7** the numbers of deaths for England and Wales include those of residents outside England and Wales, while deaths for Scotland and Northern Ireland are treated similarly. Deaths for England and Wales in each year represent annual *occurrences* (see section 2.2), but deaths for Scotland and Northern Ireland are those *registered* in each year. The United Kingdom figures are thus based on a mixture of occurrence and registration data for each year, but this is considered to have little effect on the accuracy of these summary tables.

Figures in **Table 7** for deaths from HIV infection are now consistent across all countries of the United Kingdom. Deaths from these causes were coded to ICD9 042-044 from 1993 for both England and Wales, and Northern Ireland. For Scotland however such deaths were coded to ICD9 279.1 (deficiency of cell-mediated immunity) up to and including 1995, but to codes 042-044 from 1996.

**Table 9** gives the number of deaths of those aged 110 years and over. A breakdown of these deaths by single year of age is given in **Table B** for each year from 1996 to 1998. The table also shows the numbers in this group whose ages were verified from the birth entry.

Comparable details were issued in previous volumes in this series back to 1993, and before then in the 1979 annual volume<sup>6</sup>.

**Tables 11** to **13** provide some seasonal analyses of mortality data, with **Table 11** showing quarterly variations since 1841. **Table 12** gives monthly variations by age and sex for 1998, while **Table 13** presents monthly variations for the

**Table B Deaths at ages 110 and over, 1996-98**

Age		Total deaths			Deaths with verified ages		
		1996	1997	1998	1996	1997	1998
110	M	-	-	-	-	-	-
	F	4	2	2	2	2	2
111	M	-	-	-	-	-	-
	F	3	1	-	1	1	-
112	M	-	-	-	-	-	-
	F	-	1	-	-	-	-
113	M	-	-	-	-	-	-
	F	-	-	1	-	-	1
114	M	-	-	-	-	-	-
	F	-	1	-	-	1	-
115	M	-	-	-	-	-	-
	F	-	-	-	-	-	-
116	M	-	-	-	-	-	-
	F	-	-	-	-	-	-

same period, by cause of death. **Table 12** also includes annualised monthly ratios (see section 2.7). These ratios are also shown in the annual volume in the DH4 series, for selected external causes of injury and poisoning<sup>7</sup>.

**Tables 14** and **15** formerly appeared in the annual volume in the DH5 series<sup>8</sup>, providing data at a regional level. They show sex and age-specific mortality rates (**Table 14**), and Standardised Mortality Ratios (SMRs) by cause of death (**Table 15**). **Table 16** analyses for each health district the number of deaths of residents, and the number of deaths occurring there - see section 2.5. Note that errors have been found in **Table 16** for 1996 and 1997, published in earlier DH1 volumes, and that correct versions are included in this volume.

In **Tables 17** to **19** deaths are analysed by the place of occurrence eg hospital, or at home (see section 2.5). **Table 17** includes the cause of death and age of deceased, while **Table 18** contains details of certification of the death (see also section 2.8). **Table 19** analyses the place where the death occurred, by usual residence of the deceased.

Deaths by country of birth of deceased are shown in **Table 20**; details of country groupings for this table are given in section 2.6.

Deaths by method of certification are shown in **Tables 18**, **21** and **22**: by whether a coroner was involved in **Table 21**, and by underlying cause in **Table 22**. For deaths certified by doctors **Tables 21** and **22** give the detail of whether a post-mortem was carried out. A description of certification and registration procedures is given in section 2.8.

**Tables 23** and **24** show extracts from standard life tables, including the expectation of life at different ages, and years of life lost from premature death. Summaries of English Life Tables<sup>9</sup> from 1838 to 1998 are given in **Table 23**.

**Table C** Tables formerly appearing in the serial tables volume

Table no	Description	New location
1	Deaths, death rates, SMRs, infant mortality rates, 1841-1998	Table 3 in this volume
2	Death rates by sex and age, and infant mortality rates, 1841-1998	Table 4 in this volume
3	Deaths and death rates by sex and age, 1911-1995	Table 5 in this volume
4	Deaths by quarter of registration and annualised ratios, 1841-1998	Table 11 in this volume
5	SMRs by cause of death, 1851-1998	ARV DH2 no 25 for 1998, table 5 (years 1971-1998)
6	Cancer deaths and death rates by sex and age, 1971-1995	ARV DH2 no 23 for 1996, table 6
7	Live and still births and infant deaths by age at death under one year, 1921-1998	ARV DH3 no 31 for 1998, table 34
8	Stillbirth and infant death rates by age at death under one year, 1921-1998	ARV DH3 no 31 for 1998, table 35
9	Deaths from injury and poisoning, 1901-1998	ARV DH4 no 23 for 1998, table 3

**Table 25** analyses years of life lost and years of working life lost for deaths from selected causes (see section 2.16).

**Tables 26** and **27** give numbers of deaths occurring in 1998, with numbers of deaths registered in 1998. They show differences between the two datasets. **Table 26** shows deaths by sex and age, while **Table 27** includes deaths by sex and area of usual residence. Reasons for presenting mortality data both by year of occurrence and by year of registration are discussed in section 2.2.

The equivalent of Table 12 in the 1992 volume of the DH1 series<sup>10</sup> is not included in this volume. This table gave SMRs for certain cancer sites at the regional level but it may now be found with deaths from other causes for 1998 in **Table 15** of the current volume.

Tables from the former volume of serial tables<sup>4</sup> have been relocated as shown in **Table C**.

The 1992 volume in this series listed certain unpublished tables which were available on application to OPCS (at that time). Some of these are published in the current volume, while others have been discontinued. Those still available are:

- \* **DH1 Table A** Deaths: month of occurrence, sex and age-group - published as **Table 12** in this volume.
- \* **DH1 Table B** Deaths: month of occurrence, sex and cause - published as **Table 13** in this volume.
- \* **DH1 Table E** Deaths: method of certification and cause, by sex and age-group - not published in this form, but **Table 22** in this volume provides details of deaths by method of certification and cause.

The following tables are not now produced regularly:

- \* **DH1 Table C** Diseases of the circulatory system and vascular lesions affecting the central nervous system: death rates per million population by sex at ages 45-64 and 65 and over, for England and Wales and regions.
- \* **DH1 Table D** Deaths from selected causes, autopsy or operation known to have been performed: numbers and percentages, sex and age-group.
- \* **DH1 Table F** Deaths certified as associated with pregnancy or childbirth but not assigned to those causes: assigned cause and age-group.

Tables **3** to **27** in this volume are summarised in the listing in **Table D**.

### 1.3 Data analysed in this volume

The information used in tables in this volume is based on the details collected when deaths are certified and registered. Most deaths are certified by a medical practitioner, using the Medical Certificate of Cause of Death (MCCD), shown at **Annex A**. This certificate is then usually taken to a registrar of births and deaths by a person known as an informant - usually a near relative of the deceased. In certain cases deaths are referred to, and sometimes then investigated by, a coroner. The coroner sends information to the registrar which is used instead of that on the MCCD to register the death. In some cases additional information provided on part V of the coroner's certificate (**Annex C**) is forwarded to ONS by the registrar. Consequently the information used in ONS mortality statistics may come from four sources:

1. **Details supplied by the doctor** when certifying a death eg whether body seen after death, cause of death, when deceased last seen alive, whether a post-mortem carried out.

Table D Listing of tables in this volume

Table no	Year(s)	Areas	Nos/ rates & ratios	Cause	Sex	Age	Life table	Years of life lost	Marital status	Month of occ	Area of occ	Usual res	Place of death	Certif	Coroner consult	Seen/ not seen	Interval	Country of birth
	Trends																	
3	1841-1998	E&W	N&R		*													
4	1841-1998	E&W	R		*	*												
5	1911-1995	E&W	N&R		*	*												
	Age, sex and marital status																	
6	1998	UK*	N&R		*	*												
7	1998	UK*	R	*	*	*												
8	1998	E&W	R		*	*												
9	1998	E&W	N		*	*			*									
10	1998	E&W	R		*	*			*									
	Period of occurrence																	
11	1841-1998	E&W	N&R		*													
12	1998	E&W	N&R		*	*				*								
13	1998	E&W	N&R	*	*					*								
	Usual residence																	
14	1998	E&W +	R		*	*						*						
15	1998	E&W +	R	*	*							*						
16	1996-98	E&W +	N	*	*						*	*						
	Place of death																	
17	1998	E&W	N	*	*	*							*					
18	1998	E&W	N										*	*		*	*	
19	1998	E&W +	N		*							*	*					
	Country of birth																	
20	1971/1998	E&W	N		*													*
	Certification and registration																	
21	1998	E&W	N											*	*			
22	1998	E&W	N	*	*									*				
	Expectation of life																	
23	1838-1998	E&W			*	*	*											
24	1996-1998	E&W			*	*	*											
25	1998	E&W		*	*			*										
	Occurrences & registrations																	
26	1998	E&W	N		*	*												
27	1998	E&W +	N		*							*						

- Details supplied by the informant** to the registrar eg occupation of deceased, date and place of birth, marital status, date of death, place of death.
- Details supplied by a coroner** to the registrar following investigation eg cause of death (following post-mortem), place of accident (following inquest). In the case of deaths certified after inquest, the coroner supplies the registrar with all the particulars that would have been supplied by the informant.

- Details derived from information supplied by one or other of the above** eg age of deceased, interval since last seen alive, coded cause of death, coded occupation.

The data used in this volume are summarised below.

- Usual residence of deceased** is supplied by the informant and is the place where the deceased was normally resident. Deaths of those usually resident outside England and Wales are included in tables in this volume, except where there is detail by sub-national areas such

as regions or health districts (**Tables 14 and 15**). In **Tables 16, 19 and 27** deaths of residents ‘elsewhere’ are included separately.

- **Area of occurrence** is derived from the geographical location of the death. A death is registered in the district where it occurs. **Table 16** shows deaths by area of occurrence.
- **Age** is derived from the date of birth supplied by the informant, and the date of death (supplied by the informant - except after inquest). Sex is as given by the informant. Marital status is supplied by the informant in confidence, under the Population (Statistics) Acts, and is not entered in the register.
- **Place of occurrence** is given by the informant, except after inquest. This may be a hospital or some other establishment, in which case a unique code is assigned to it by the registrar. These codes are then classified by ONS to give the type of establishment, and then grouped to the categories shown in **Tables 17 to 19**. The place of occurrence could also be the deceased’s residence, or elsewhere - possibly another private residence, or not in a building. These latter deaths are summarised as home or elsewhere, respectively. Section 2.5 provides further information.
- Information on **interval since last seen alive** is obtained only for a death certified by a doctor, who will state on the MCCD when the deceased was last seen alive by him/her. The corresponding interval is derived by ONS from information on date of death. The categories used (in **Table 18**) do not distinguish periods under one day.
- As mentioned above, the certification of deaths is carried out by doctors or by coroners. **Final method of certification** summarises the certification eventually used to register the death, in one of the following categories:
  - a. by a coroner, after inquest, with or without a post-mortem
  - b. by a coroner, after a post-mortem only
  - c. by the doctor, with or without a post-mortem, and with no formal involvement by a coroner
  - d. uncertified

These categories, explained in more detail in section 2.8, are used in **Tables 21 and 22**.

- Information on **whether a post-mortem examination was carried out** was omitted from the previous volume in this series, but was analysed in DH1 volumes up to 1992. From 1993 to 1996 it was not possible to identify accurately in the registration system all those deaths

subject to post-mortem, particularly deaths certified by doctors. However, with the introduction of revised registration software in April 1997 these deaths certified by doctors with post-mortem can now be identified and tabulated. They are distinguished in **Tables 21 and 22**.

- **Whether body seen after death:** the certifying doctor is required to state on the MCCD (Annex A) one of the following:
  - a. body seen after death by me
  - b. body seen after death by another medical practitioner but not by me
  - c. body not seen after death by a medical practitioner.

**Table 18**, which uses this classification, shows that for very few deaths certified by doctors is the body not seen, although occasionally this information is not recorded.

- **Coroner consultation** relates to deaths referred to the coroner (see **Table 21**). Most of these are initially certified by the attending doctor who is the medical practitioner in attendance during the deceased’s last illness. The form of consultation may be:
  - a. by the registrar
  - b. by any person other than the registrar, but usually the certifying doctor.

In other cases there is no formal record of reference to the coroner, but there may have been informal discussion before certification.

- Details of the **birthplace of deceased** are as supplied by the informant. These data were not tabulated in the 1993-95 volume in this series, as explained in section 2.6. They were re-introduced in the 1996 volume, and are found in **Table 20**.
- The **life table** is a statistical model which uses current mortality rates to produce measures such as the probabilities of death or survival at various ages. The best known measure is the expectation of life which gives the number of years that a person may be expected to live if subject to current mortality rates. More details are given in section 2.16; see **Table 23 and 24**.
- **Years of life lost** denotes the number of years lost due to deaths at a ‘premature’ age. It is assumed here that 85 is a suitable cut-off age, and the age at death is subtracted from this. **Years of working life lost** are the number of years lost if death takes place before the end of the assumed working life. This is conventionally taken as 65. Section 2.16 provides more information; see also **Table 25**.



- **Death occurrences** refer to the number of deaths occurring in a period, while **death registrations** refer to the number of deaths which were registered in a period. The reasons for using one or other of these datasets are given in section 2.2. Comparative figures are shown in **Table 26** and **27**.

## 1.4 Associated publications

### *Historic data, and figures for UK countries*

Comparable statistics for earlier years, and separate statistics for Scotland and Northern Ireland, are published as follows:

**England and Wales:** from 1974-1997 in the annual reference volumes *Mortality statistics: general* (series DH1); for earlier years in the *Registrar General's Statistical Review of England and Wales*. Between 1974 and 1986 volumes in the series DH1 were entitled *Mortality statistics*.

**Scotland:** in the *Annual Report of the Registrar General for Scotland*.

**Northern Ireland:** in the *Annual Report of the Registrar General for Northern Ireland*.

A summary of mortality statistics for the United Kingdom and constituent countries appears in the *Annual Abstract of Statistics*, issued by ONS. Similar data also appear in the World Health Organisation (WHO) *World Health Statistics Annual*.

### *Other ONS annual volumes*

Other annual reference volumes on mortality published by ONS include:

- **DH2** (*Mortality statistics : cause*), which provides data on deaths by underlying cause, including age-specific rates, SMRs, age-standardised rates and time trends in mortality<sup>11</sup>.
- **DH3** (*Mortality statistics : childhood, infant and perinatal*), containing data on stillbirths, infant deaths and childhood deaths<sup>5</sup>. It includes figures on infant deaths linked to their corresponding birth records.
- **DH4** (*Mortality statistics : injury and poisoning*), provides data on accidental and violent deaths by place of accident, nature of injury, cause of accident, and verdict at coroner's inquest<sup>7</sup>.

A listing following the contents pages of this volume

summarises the coverage of all four volumes in the DH series.

ARV **DH6** (*Mortality statistics : childhood*)<sup>13</sup> was discontinued after the 1992 volume, and tables from it may now be found in ARV DH3. Series **DH5** (*Mortality statistics : area*)<sup>8</sup> will not appear again, and such tables as have been retained from it now appear in volume DH1. The volume in the DH1 series giving serial tables<sup>4</sup> has also been discontinued, and tables from it now appear in a range of other volumes (see section 1.2). Table 4 from the DH5 series, showing deaths by age, sex and selected underlying cause for health and local authority areas, is now produced only in unpublished form as table VS3 (see below). It is available from ONS both on paper and on floppy disk (see section 2.20).

Commentary for each of the four mortality annual volumes is published as an Annual Update in *Health Statistics Quarterly*. These appear soon after the publication of the corresponding volume so that, for instance, the commentary for this current DH1 volume will appear in *Health Statistics Quarterly* 08, published in November 2000.

Mortality data are also published annually in the volume *Key population and vital statistics*<sup>14</sup>. This provides data on population, births, deaths, and migration, for different areas in England and Wales, including local and health authorities.

### *Unpublished tables*

Unpublished annual tables of vital statistics (the VS series) have been produced since 1981 for local and health authorities. At present the series comprises six tables (listed below), of which all but one include mortality data.

- **VS1** Vital statistics summary, giving population, numbers of births and deaths, fertility and mortality rates, and comparisons with the region and with England and Wales.
- **VS2** Birth statistics, showing numbers of births by age of mother, number of previous children, type of institution in which the birth occurred, and birthweight.
- **VS3** Mortality statistics - numbers of deaths by underlying cause, sex and age.
- **VS4** Vital statistics for wards, showing numbers of live births and stillbirths, and deaths by age, for males and females.
- **VS4D** Mortality statistics for wards, with numbers of deaths from major causes, for males and females.
- **VS5** Infant and perinatal mortality, covering numbers of births, infant deaths, birthweights, and gestation periods.

Specimen copies of most of the above tables may be seen in a recent issue of *Key population and vital statistics*<sup>14</sup>. More information on these tables, and on their availability, may be obtained from ONS - see section 2.20.

#### *Quarterly publications, and StatBase®*

From the beginning of 1999 ONS has published two quarterly journals: *Health Statistics Quarterly*, which covers health topics, including mortality; and *Population Trends*, with an emphasis now on population and demography, but including some mortality data. The first issue of *Health Statistics Quarterly* appeared in February 1999, and the first issue of *Population Trends* (no 95), with a revised coverage, in March 1999.

Up to 1998 ONS also published an annual monitor in the DH2 series viz *Deaths registered by cause, and by area of residence*. This contained basic information on annual death registrations, issued soon after the data became available. From 1999 these data have appeared in the new quarterly publications, as Reports. The Report on annual deaths by cause is published in the May issue of *Health Statistics Quarterly*, and that on annual deaths by usual residence of deceased in the June issue of *Population Trends* (and in the August issue of *Health Statistics Quarterly*).

*Population Trends* and *Health Statistics Quarterly* both contain regular quarterly reference tables on a variety of population and health topics; for mortality these include analyses of deaths by age and sex, by selected underlying cause, and by health region. These quarterly tables are also available on StatBase®, the Government Statistical Service (GSS) database set up to provide customers with a comprehensive set of key statistics drawn from the range of official statistics. StatBase may be accessed via the Internet. Some tables in the DH1 volume – and in other volumes in the DH series – will also be available in StatBase from publication day.

Both data and metadata ie information about data, are contained within two linked systems: *StatSearch* contains information (by Theme, Subject and Topic) about all statistical resources in the GSS; *StatStore* contains a wide range of GSS data.

To access either of these, click StatBase under ‘Other features’ on the National Statistics Website <http://www.statistics.gov.uk>). This will take you to an intermediate page, where you can select one of a number of text links on the left hand side of the page. For tables in the quarterly publications, use the bullet point link for **publications datasets**; this will offer you a selection of hardcopy publications. Once you have selected either *Health Statistics Quarterly* or *Population Trends* use the **contents** button to select Reference tables, or perhaps Report tables.

Tables from annual volumes may be accessed as above, or – click on StatStore and select the Population theme, and a list of tables will appear.

More information on StatBase, and on access to it, may be obtained from the contact in section 2.20.

## **1.5 Other publications**

Some other publications providing recent background information on mortality data, and other relevant articles and publications are listed below. Most are from the journals *Population Trends* and *Health Statistics Quarterly*, but copies of any not easily available may be obtained from ONS (see section 2.20). They cover the background to changes in the handling of mortality data by ONS, including the effects of these changes, as well as various subsequent analyses.

### *Automated cause coding*

- Birch D. Automatic coding of causes of death. *Population Trends* 73 (1993), 36-38.
- Devis T and Rooney C. Automated cause of death coding. Paper presented at Seminar on Integrated Statistical Information Systems, Bratislava (1996).

### *Certification and registration*

- Devis T and Rooney C. The time taken to register a death. *Population Trends* 88 (1997), 48-55.
- Devis T and Rooney C. Death certification and the epidemiologist. *Health Statistics Quarterly* 01 (1999), 21-33.
- Devis T. Recording of births and deaths in the countries of the United Kingdom. *Health Statistics Quarterly* 06 (2000), 32-39.

### *Effects of changes*

- Rooney C and Devis T. Mortality trends by cause of death in England and Wales 1980-94: the impact of introducing automated cause coding and related changes in 1993. *Population Trends* 86 (1996), 29-35.

### *Expectation of life*

- Devis T. The expectation of life in England and Wales. *Population Trends* 60 (1990), 23-24.
- Bebbington A C. The expectation of life without disability in England and Wales, 1976-88. *Population Trends* 66 (1991), 26-29.

### Seasonal mortality

- Curwen M, Dunnell K, and Ashley J. Hidden influenza deaths: 1989-90. *Population Trends* 61(1990), 31-33.
- Ashley J, Smith T and Dunnell K. Deaths in Great Britain associated with the influenza epidemic of 1989/90. *Population Trends* 65 (1991), 16-20.
- Christophersen O. Mortality during the 1996/7 winter. *Population Trends* 90 (1997), 11-17.
- Kelly S and Lawes H. Weekly deaths in England and Wales. *Health Statistics Quarterly* 01 (1999), 40-43.

### Accidental deaths

- Christophersen O, Rooney C and Kelly S. Drug-related mortality: methods and trends. *Population Trends* 93 (1998), 29-37.
- Chantler C and Kelly S. Deaths from hypothermia in England and Wales. *Health Statistics Quarterly* 02 (1999), 50-52.
- Christophersen O, Dix D and Rooney C. Road traffic deaths: trends and comparisons with DETR figures. *Health Statistics Quarterly* 03 (1999), 14-23.

### Homicide and suicide

- Kelly S and Bunting J. Trends in suicide in England and Wales, 1982-96. *Population Trends* 92 (1998), 29-41.
- Bunting J and Kelly S. Geographic variations in suicide mortality, 1982-96. *Population Trends* 93 (1998), 7-18.
- Rooney C and Devis T. Recent trends in deaths from homicide in England and Wales. *Health Statistics Quarterly* 03 (1999), 5-13.

### Occupation and health

- OPCS/HSE. *Occupational Health Decennial Supplement*, series DS no 10. HMSO (London, 1995).
- Drever F and Whitehead M (eds.). *Health Inequalities*, series DS no 15. The Stationery Office (London, 1997).
- Hattersley L. Trends in life expectancy by social class – an update. *Health Statistics Quarterly* 02 (1999), 16-24.
- Fitzpatrick J and Dollamore G. Examining adult mortality rates using the National Statistics Socio-Economic Classification. *Health Statistics Quarterly* 02 (1999), 33-40.

### Other analyses

- Carstairs V. Dying away from home: the influence on mortality statistics. *Population Trends* 66 (1991), 22-25.
- Tickle L. Mortality trends in the United Kingdom, 1982 to 1992. *Population Trends* 86 (1996), 21-28.
- Charlton J and Murphy M. (eds.). *The Health of Adult Britain, 1841-1994* (volumes 1 and 2), series DS no 12 and 13. The Stationery Office (London, 1997).

- Maxwell R and Harding S. Mortality of immigrants from outside England and Wales by marital status. *Population Trends* 91 (1998), 15-22.
- Aylin P, Dunnell K and Drever F. Trends in mortality of young adults aged 15 to 44 in England and Wales. *Health Statistics Quarterly* 01 (1999), 34-39.
- Atcha Z, and Majeed A. Paracetamol related deaths in England and Wales, 1993-97. *Health Statistics Quarterly* 07 (2000), 5-9.
- Fitzpatrick J, Griffiths C, and Nelleher M. Geographic inequalities mortality in the United Kingdom during the 1990s. *Health Statistics Quarterly* 07 (2000), 18-31.

## 2 Notes and definitions

### 2.1 Base populations

The population figures shown in **Tables 1** and **2**, used to calculate death rates given in this volume, are mid-year estimates of the resident population of England and Wales, based on the 1991 Census of Population. These estimates include members of HM and non-UK armed forces stationed in England and Wales, but exclude those stationed outside. The estimates are updated annually by allowing for births, deaths, and migration.

The estimates use a slightly different definition of residents from the pre-1981 estimates. Up to 1981, residents who were outside Great Britain on census night were excluded, but they have been included since that year. Also, up to 1981 visitors to Great Britain were included in the population base but have been excluded since that year. Consequently, the population estimates for mid-1981 onwards are not directly comparable with those produced for years before 1981. The differences will generally be small for the purpose of calculating rates. Further details about the definitional change may be found elsewhere<sup>15</sup>.

Estimates of the population by legal marital status, used in **Table 10**, are based upon proportions from Census figures, with due allowance for marriages, divorces, deaths, and migration.

In **Tables 3** and **4** the base populations used historically are defined as follows<sup>16</sup>:

- **Home population**, defined as the population, of all types, actually in England and Wales. This included the civilian population resident in England and Wales; members of HM Armed Forces stationed in England and Wales; and members of foreign Armed Forces stationed temporarily in England and Wales. This population was used from 1950-1970.



- **Total population**, defined as the home population but including also HM Forces stationed outside England and Wales, while deducting foreign Armed Forces stationed temporarily in England and Wales. This definition was used between 1915 and 1920, and also between 1940 and 1950.
- **Resident population**, defined as the population resident in England and Wales, including members of HM and foreign Forces stationed in England and Wales, and residents who were outside the country on census night, but excluding HM and foreign Forces stationed outside the country and overseas visitors. This has been used since 1971.

## 2.2 Occurrences and registrations

Up to 1992, OPCS publications gave numbers of deaths registered in the period concerned, but from 1993 the figures in annual reference volumes represent deaths which occurred in that period. This change has little effect on annual totals but makes it easier to analyse seasonal variations in mortality. In this volume the figures shown for years from 1991 represent all deaths occurring in each year. (Figures for years before 1991, in **Tables 3 to 5**, and **11**, represent deaths registered in each year.) Most of the deaths occurring in a particular year are registered in the same year, with a few registered in the subsequent year or later. For instance, most deaths occurring in 1998 were also registered in 1998, but some were not registered until 1999.

The dataset for 1998 from which tables here were produced was taken from the deaths database on 13 September 1999 (see sections 3.1 and 4.9 for more details).

**Table E** gives relevant numbers of 1998 deaths on the database on this date, together with comparable figures for 1993 to 1997. It shows that for 1993 occurrences of deaths from all causes the numbers ‘lost’ from 1992 generally balance those ‘gained’ from 1994. For 1994 occurrences the net number of deaths ‘gained’ is about 20 per cent larger than for 1993. This is mainly due to New Year’s Eve 1994 falling on a Saturday, which meant that most deaths occurring on that day would not have been registered until 1995. This effect is even greater for 1995 occurrences, with New Year’s Eve on a Sunday. Apart from a very few special cases, all deaths occurring on that day in 1995 would have been registered in 1996.

For 1996, the 1995 effect was reversed, with New Year’s Eve on a Tuesday - this meant that registrations for the year now exceeded the number of occurrences. This was repeated for 1997, but for 1998 there was a reversal of this pattern, with total occurrences now exceeding total registrations.

The table also gives comparable figures for deaths from injury and poisoning, showing that the numbers ‘lost’ and ‘gained’ are very similar from one year to another. However, the numbers transferred form a quarter of the annual total for these causes, and the two balancing components for one year may conceal trends and variations not immediately apparent. This was studied recently in an analysis of the effects of using death occurrences and/or registrations<sup>17</sup>.

**Table E Deaths by year of occurrence and registration, 1993-1999**

Deaths occurring in	Deaths registered in							Total
	1993	1994	1995	1996	1997	1998	1999	
All causes								
1992 or earlier	8,320	133	35					
1993	570,176	8,495	128					578,799
1994		543,107	10,087					553,194
1995			555,464	14,219				569,683
1996				548,214	11,921			560,135
1997					545,551	9,730		555,281
1998						542,966	12,049	555,015
Total	578,496	551,735	565,714	562,433	557,472	552,696		
Deaths from injury and poisoning								
1992 or earlier	3,882	100	20					
1993	12,379	3,903	72					16,354
1994		12,179	3,912					16,091
1995			12,021	4,028				16,049
1996				11,680	4,381			16,061
1997					11,822	4,489		16,311
1998						11,737	4,464	16,201
Total	16,261	16,182	16,025	15,708	16,203	16,226		

**Table F** Number of deaths in occurrence and registration extracts, 1993-1998

	Registrations	Occurrences
1993	578,512 (taken 9 September 1996)	578,799 (2 February 1996)
1994	551,780 (9 September 1996)	553,194 (21 December 1995)
1995	565,902 (28 March 1996)	569,683 (11 September 1996)
1996	563,007 (1 April 1997)	560,135 (17 September 1997)
1997	558,052 (30 March 1998)	555,281 (15 September 1998)
1998	553,435 (23 April 1999)	555,015 (13 September 1999)

Note that, while the 8,182 deaths occurring in 1992 but registered in 1993 are not included in this volume (or in ARVs DH2 and DH4) for tables from 1993 onwards, the information they represent is retained on the database to be accessed when required. More details on the extraction of datasets may be found in section 3.1.

A disadvantage of using an annual extract of death occurrences is that, to be acceptably complete, it must be taken some months after the end of the data year. In particular, the registration of deaths from external causes of injury and poisoning may be delayed for many weeks (or even months) when a coroner's inquest is held. Thus, the occurrence extract for 1998 was not taken until September 1999. However, some users require annual deaths data earlier than this, and to meet this demand ONS also takes an annual extract of death registrations in March following the data year. As noted earlier, these registration figures are now published as Reports in both *Health Statistics Quarterly* and *Population Trends*, as well as being supplied in unpublished VS tables.

For 1993 to 1998 the numbers of deaths in these standard annual extracts are shown in **Table F**.

**Tables 26** and **27** give more detail for occurrences and registrations for the year 1998. They present the numbers of deaths occurring in the year and the number registered, by age and sex, and by sex and usual residence of deceased, respectively. Comparisons for 1998 by underlying cause of death may be found in the most recent annual volume in the DH2 series<sup>11</sup>.

The quinquennium 1991-95 in **Tables 3** to **5**, and **11** includes numbers of deaths occurring in the years 1991 and 1992. For 1991 this annual figure includes occurrences in that year which were also registered in 1991, together with deaths occurring in 1991 which were registered in 1992 or 1993. Deaths occurring in 1992 were estimated similarly, using registrations in the subsequent two years.

### 2.3 Areal coverage

The deaths recorded in this volume are those occurring (and then registered) in England and Wales. No distinction is

**Table G** Deaths by usual residence of deceased, 1995-1998

	1995	1996	1997	1998
<b>Deaths from all causes</b>	<b>569,683</b>	<b>560,135</b>	<b>555,281</b>	<b>555,015</b>
<i>of which</i> deaths of residents outside England and Wales	1,552	1,541	1,560	1,429
<i>Per cent of total</i>	0.27	0.28	0.28	0.26
<b>Deaths from external causes of injury and poisoning</b>	<b>16,049</b>	<b>16,061</b>	<b>16,311</b>	<b>16,201</b>
<i>of which</i> deaths of residents outside England and Wales	107	127	144	120
<i>Per cent of total</i>	0.67	0.79	0.88	0.74

made between deaths of civilians and deaths of non-civilians.

The death of a person whose usual residence is outside England and Wales is assigned to the country of residence. These deaths are included in total figures for England and Wales, but excluded from any sub-division of England and Wales. **Table G** gives recent numbers of deaths by residence.

## 2.4 Definitions of areas

### *Government office regions*

These regions were established in 1994, and are constituted as below. They are defined in terms of Unitary Authorities (UAs) and counties. Unitary Authorities have been established over the years 1995-98, and those shown in the listing are the UAs in existence at 1 April 1998. Former Counties are shown in the presentation of **Table 27** as appropriate.

### *North East*

Darlington UA, Hartlepool UA, Middlesbrough UA, Redcar and Cleveland UA, Stockton-on-Tees UA, Durham County, Northumberland, Tyne and Wear Metropolitan County.

### *North West*

Blackburn with Darwen UA, Blackpool UA, Halton UA, Warrington UA, Cheshire County, Cumbria, Greater Manchester Metropolitan County, Lancashire County, Merseyside Metropolitan County.

## ***Yorkshire and the Humber***

East Riding of Yorkshire UA, Kingston upon Hull UA, North East Lincolnshire UA, North Lincolnshire UA, York UA, North Yorkshire County, South Yorkshire Metropolitan County, West Yorkshire Metropolitan County.

## ***East Midlands***

Derby UA, Leicester UA, Nottingham UA, Rutland UA, Derbyshire County, Leicestershire County, Lincolnshire, Northamptonshire, Nottinghamshire County.

## ***West Midlands***

Herefordshire County of UA, Stoke-on-Trent UA, Telford and Wrekin UA, Shropshire County, Staffordshire County, Warwickshire, West Midlands Metropolitan County, Worcestershire County.

## ***East***

Luton UA, Peterborough UA, Southend-on-Sea UA, Thurrock UA, Bedfordshire County, Cambridgeshire County, Essex County, Hertfordshire, Norfolk, Suffolk.

## ***London***

Greater London.

## ***South East***

Bracknell Forest UA, Brighton & Hove UA, Isle of Wight UA, Medway UA, Milton Keynes UA, Portsmouth UA, Reading UA, Slough UA, Southampton UA, West Berkshire UA, Windsor and Maidenhead UA, Wokingham UA, Buckinghamshire County, East Sussex County, Hampshire County, Kent County, Oxfordshire, Surrey, West Sussex.

## ***South West***

Bath and North East Somerset UA, Bournemouth UA, Bristol City of UA, North Somerset UA, Plymouth UA, Poole UA, South Gloucestershire UA, Swindon UA, Torbay UA, Cornwall and the Isles of Scilly, Devon County, Dorset County, Gloucestershire, Somerset, Wiltshire County.

## ***Wales***

Blaenau Gwent, Bridgend, Caerphilly, Cardiff, Carmarthenshire, Ceredigion, Conwy, Denbighshire, Flintshire, Gwynedd, Isle of Anglesey, Merthyr Tydfil, Monmouthshire, Neath Port Talbot, Newport,

Pembrokeshire, Powys, Rhondda Cynon Taff, Swansea, Torfaen, The Vale of Glamorgan, Wrexham.

## ***Regional offices and health authorities***

Regional offices for health statistics are given below, in terms of health authorities, as at 1 April 1998.

## ***Northern and Yorkshire***

Bradford, Calderdale and Kirklees, County Durham, East Riding, Gateshead and South Tyneside, Leeds, Newcastle and North Tyneside, North Cumbria, Northumberland, North Yorkshire, Sunderland, Tees, Wakefield.

## ***Trent***

Barnsley, Doncaster, Leicestershire, Lincolnshire, North Derbyshire, North Nottinghamshire, Nottingham, Rotherham, Sheffield, Southern Derbyshire, South Humber.

## ***Anglia and Oxford***

Bedfordshire, Berkshire, Buckinghamshire, Cambridge and Huntingdon, East Norfolk, Northamptonshire, North West Anglia, Oxfordshire, Suffolk.

## ***North Thames***

Barking and Havering, Barnet, Brent and Harrow, Camden and Islington, Ealing Hammersmith and Hounslow, East and North Hertfordshire, East London and The City, Enfield and Haringey, Hillingdon, Kensington & Chelsea and Westminster, North Essex, Redbridge and Waltham Forest, South Essex, West Hertfordshire.

## ***South Thames***

Bexley and Greenwich, Bromley, Croydon, East Kent, East Surrey, East Sussex Brighton and Hove, Kingston and Richmond, Lambeth Southwark and Lewisham, Merton Sutton and Wandsworth, West Kent, West Surrey, West Sussex.

## ***South and West***

Avon, Cornwall and Isles of Scilly, Dorset, Gloucestershire, Isle of Wight, North and East Devon, North and Mid Hampshire, Portsmouth and South East Hampshire, Somerset, Southampton and South West Hampshire, South and West Devon, Wiltshire.

## ***West Midlands***

Birmingham, Coventry, Dudley, Herefordshire, North Staffordshire, Sandwell, Shropshire, Solihull, South Staffordshire, Walsall, Warwickshire, Wolverhampton, Worcestershire.

## *North West*

Bury and Rochdale, East Lancashire, Liverpool, Manchester, Morecambe Bay, North Cheshire, North West Lancashire, St Helens and Knowsley, Salford and Trafford, Sefton, South Cheshire, South Lancashire, Stockport, West Pennine, Wigan and Bolton, Wirral.

## *Wales*

Bro Taf, Dyfed Powys, Gwent, Morgannwg, North Wales.

### **2.5 Usual residence of deceased, and place of occurrence**

#### *Usual residence of deceased*

As mentioned earlier, details of the usual residence of the deceased are supplied by the informant to the registrar. For persons living in private households this is generally straightforward, and if the deceased was away from home this address is still recorded. The registrar asks the informant for the usual address of the deceased. It is completely up to the informant to decide what address to give, if more than one might be applicable. For instance, if a university student dies during term time the parent registering the death may give either the parental home or a university hall of residence or lodgings as the student's usual address. No definitions or restrictions are applied by the registrar, who simply records the information given.

However, the death has to be registered in the area in which it occurred, although the recently introduced procedure of death registration by declaration (see section 2.14) means that the informant can supply the necessary details to a registrar elsewhere. Where the death occurred in a communal establishment, or the deceased could have been regarded as living in such an establishment, the determination of usual residence may be more complicated.

The National Assistance Act of 1948 set out different types of accommodation to be provided for the sick and needy, of which that classified in Parts III and IV is regarded as the place of residence of persons dying there. These establishments include residential old persons homes, managed either by the local authority (Part III), or privately (Part IV). Even if the deceased had been resident there for only a day the residential home was to be regarded as the usual residence. This rule was used by OPCS for these homes up to 1992.

From 1958 to 1992 OPCS used a 'six month rule' for deaths of persons in chronic sick and psychiatric hospitals, so that such an establishment would be regarded as the usual residence only if the deceased had been there for at least six

months. With a stay of less than six months the usual residence would be that occupied by the deceased before admission to the establishment. A similar change was made from 1980 for deaths of patients in geriatric hospitals. This rule applied only to the institution in which the death occurred, not any other institution in which they had been resident if the death occurred outside it. For instance, where a patient died in hospital, the informant was asked how long the deceased had been in hospital.

However, from 1993 this rule was dropped in favour of using information on usual residence supplied by the informant to the registrar. At present, if the informant considers that the deceased was not resident in the communal establishment where the death took place, the registrar will record another address (usually a private address) - even if the deceased had lived at the establishment for more than six months. Similarly, if the informant feels that the deceased was resident in an establishment, although there for only a few days or weeks, the registrar will record the establishment as the usual address. This more liberal interpretation of residence in a communal establishment now applies also to old persons homes in the Part III and IV categories.

#### *Place of occurrence*

For the place where the death occurred, the groups of establishments used in **Tables 17 to 19** are defined below. Those described as NHS establishments are under NHS management, while 'non-NHS' refers to establishments not under NHS management, even if care of the deceased was funded through the NHS.

- **NHS psychiatric hospitals** include psychiatric hospitals and units, mental nursing homes, and special security psychiatric hospitals.
- **Non-NHS psychiatric hospitals** include mental nursing homes, special security psychiatric hospitals, psychiatric hospitals, and establishments for the aged mentally infirm and for mental rehabilitation.
- **Other NHS hospitals and communal establishments for the care of the sick** cover nursing homes, general hospitals, sanatoria, geriatric hospitals and units, establishments for the chronic sick, mental hostels, homes or hostels for the mentally handicapped, maternity hospitals, and multi-function sites such as large hospitals.
- **Other non-NHS hospitals and communal establishments for the care of the sick** cover private nursing homes (including those for the aged), general hospitals, establishments for the geriatric and chronic sick, homes or hostels for the mentally handicapped, maternity hospitals, military hospitals, and multi-function sites such as large hospitals.

- **Other communal establishments** include schools for the mentally retarded and subnormal, holiday homes and hostels, common lodging houses, aged persons accommodation, assessment centres, schools, homes for the disabled or handicapped, rehabilitation centres, convents and monasteries, nurses homes, university and college hostels and halls of residence, approved schools, borstals and custody centres, detention centres, prisons, remand homes, YMCA and YWCA hostels.

- **Hospices** include Sue Ryder Homes, Marie Curie Centres, oncology centres, voluntary hospice units, and palliative care centres.

- Deaths at **home** are those at the usual residence of the deceased (according to the informant), where this is not a communal establishment.
- **Other private houses and other places** include all places not covered above, such as deaths on a motorway, at the beach, climbing a mountain, walking down the street, at the cinema, at a football match, while out shopping, or in someone else's home.

**Table 19** analyses for each health authority the place where a death occurred ie the physical location, as summarised in the groups described above.

#### *Deaths in hospices*

Of approximately 200 hospices, most are separately located or 'free standing' but about a dozen are found within NHS hospitals. At present the latter are not identified separately at death registration, and ONS is unable to include deaths which occurred in them with deaths in free standing hospices. Consequently the number of deaths shown as occurring in hospices in **Tables 17** and **18** is an under-estimate for 1998, as also for 1996 and 1997.

For 1998 it has been estimated that the number of deaths thus mis-classified is about 1,700. This estimate is based on the number of beds available in all hospices and the number of deaths occurring in free standing hospices. Thus, a more accurate overall figure for 1998 deaths in hospices is about 25,000. If this estimate is used, the overall figure for deaths in NHS hospitals should be adjusted downwards by 1,700.

#### *Usual residence, and area of occurrence*

**Table 16**, first introduced in the 1996 volume, provides analyses of deaths by geographic area of usual residence and by area of occurrence. It shows for each health authority (HA):

- (1) the number of deaths of persons usually resident there

- (2) the number of deaths occurring in the area
- (3) the number of deaths of persons usually resident in the area, which occurred elsewhere in England and Wales
- (4) the number of deaths of persons usually resident elsewhere in England and Wales, which occurred in the area.

The numbers in parentheses correspond to columns within the table. These columns are related by

$$(1) - (2) = (3) - (4), \text{ or } (1) = (2) + (3) - (4)$$

From them are derived two useful measures:

- among deaths of residents of an HA, the proportion which occurred elsewhere in England and Wales, represented in the table by  $(5) = [(3)/(1)] \%$
- the proportion of deaths in the HA which were of non-residents, represented in the table by  $(6) = [(4)/(2)] \%$ .

These give an indication of the use by residents of each HA of medical services elsewhere, and the use of services in each HA by non-residents of it. The table gives figures for males and females separately, and for all causes and external causes of injury and poisoning separately.

Note that the 'areal unit' in this table is the HA. This means that summary numbers of deaths of non-residents (and of resident deaths elsewhere in England and Wales) are based upon HA boundaries. Thus, the number of deaths of non-residents for a Regional office (RO) is the sum of such deaths for each HA in the RO. Similarly for the summary totals for England and Wales. Also, the table analyses only deaths of residents of England and Wales which occurred in England and Wales. Deaths of persons usually resident outside England and Wales are excluded from this table.

*Users should note that the equivalent of Table 16 in the volumes for 1996 and 1997 contained errors in some columns. These have now been corrected, and the current volume includes revised versions of this table for these two years, as well as the 1998 version.*

## **2.6 Country of birth**

Details of the place of birth of the deceased are supplied to the registrar by the informant. Within the registration software (see section 3.1) there is a later question to check whether the birthplace was within England and Wales. However, owing to a misunderstanding by some registrars in the use of this check question, it was found that some deaths where the deceased was born outside England and Wales were coded incorrectly to England and Wales. This affected mortality data from 1993 to 1995, so that during that period the number born outside England and Wales was under recorded.



Over 1990-92 about 9 per cent of deaths were of persons born outside England and Wales, but for the three years 1993-95 the corresponding percentages were 7.5, 6.4 and 6.9, averaging just under 7 per cent. This suggests that over these three years about one fifth of the deaths of those born outside England and Wales were not identified as such. ONS was not able to identify and re-code these deaths to individual countries, for the years 1993-95. However, checking procedures were amended so that place of birth would be accurately coded from 1997 onwards. Deaths for 1996 where birthplace was wrongly coded were also identified and re-coded.

**Table 20** shows deaths in 1998 by deceased's place of birth, comparable to Table 13 in the 1992 annual volume of the DH1 series<sup>10</sup>. It shows that in 1998 10.0 per cent of deaths were of persons born outside England and Wales. Corresponding figures for 1996 and 1997 were 9.4 per cent and 9.8 per cent, respectively, showing an upward trend.

The detail for country of birth groupings is shown in **Table H**. These differ slightly from the groupings used up to 1992.

## 2.7 Death rates and ratios

The death rates shown in this volume are derived from total deaths occurring in England and Wales, and the resident population (from **Tables 1** and **2**).

### Basic rates

A basic measure of the level of mortality in a population is given by the **crude death rate**. This is defined as total deaths per thousand population, or

(Total deaths/Total population) expressed per 1,000.

This rate is used in **Tables 3** to **8**, and **10**.

In **Table 10** a crude death rate is also given for populations defined by marital status – for instance, deaths of single males per thousand single males in the population.

The crude death rate takes no account of any variation in mortality levels by age, and to allow for this death rates may be calculated for each age group. These measures, or **age-specific death rates**, are defined as the number of deaths in the age group per thousand population in the same group, or

$$M_k = d_k/p_k$$

where  $M_k$  = age-specific death rate for age group  $k$   
 $d_k$  = deaths in age group  $k$   
 $p_k$  = population in age group  $k$   
 $k$  = age group 1–4, 5–9. ...

**Table H Country groupings for birthplace of deceased**

<b>United Kingdom</b>	England, Wales, Scotland, Northern Ireland
<b>Elsewhere in United Kingdom</b>	Channel Islands, Isle of Man, UK (part not stated)
<b>Outside United Kingdom</b>	
<b>Irish Republic</b>	Irish Republic, Ireland (part not stated)
<b>Other European union countries</b>	Austria, Belgium, Denmark, Finland, France, Germany, Greece, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden
<b>Rest of Europe</b>	All other European countries, including Turkey, and including Russia and former Soviet republics
<b>Commonwealth</b>	
<i>Australia, Canada and New Zealand</i>	
<i>New Commonwealth</i>	
Asia	Bangladesh, India, Pakistan
East Africa	Kenya, Malawi, Tanzania, Uganda, Zambia
Southern Africa	Botswana, Lesotho, Namibia, South Africa, Swaziland
Rest of Africa	Cameroon, The Gambia, Ghana, Mauritius, Mozambique, Nigeria, Seychelles, Sierra Leone, Zimbabwe
Far East	Brunei, Malaysia, Singapore
Mediterranean	Cyprus, Gibraltar, Malta
Caribbean	Anguilla, Antigua, Bahamas, Barbados, Belize, Bermuda, British Virgin Islands, Cayman Islands, Dominica, Grenada, Guyana, Jamaica, Montserrat, St Christopher and Nevis, St Lucia, St Vincent, Trinidad and Tobago, Turks and Caicos Islands
Rest of the New Commonwealth	Cook Islands, Falkland Islands, Fiji, Kiribati, Maldives, Nauru, Papua New Guinea, St Helena, Solomon Islands, Sri Lanka, Tonga, Tuvalu, Western Samoa, British Indian Ocean Territory
<b>Rest of the world, and not stated</b>	

Age-specific rates may be calculated separately for males and females, or for both sexes combined. In this volume they are used in **Tables 4** to **8**, and **10**.

In **Table 3** the 'infant mortality rate' (actually a ratio) is defined as the number of deaths at ages under one year per thousand live births in the same period. Likewise, the **perinatal mortality rate** is the number of deaths at ages under seven days (early neonatal deaths), and stillbirths, per thousand live births in the same period. The table includes the **live birth rate** (as the number of live births per thousand population per year), and the **stillbirth rate** (the number of stillbirths per thousand live births and stillbirths in the same period).

**Table 3** shows standardised mortality ratios (SMRs) for males, females and all persons over the years 1841-1998. Here the SMRs compare mortality in one year with mortality in a 'standard' year, while allowing for differences in age structure. The ratio is of 'observed' to 'expected' deaths. 'Expected' annual deaths are the number which would have occurred if the sex- and age-specific mortality rates of the standard year had applied to the population in the study year.

Thus:  $SMR = (\text{observed deaths} / \text{expected deaths}) \times 100$   
 where expected deaths =  $\sum p_k M_k$   
 and  $p_k$  = population in age group k in a particular year;  
 $M_k$  = age-specific death rate for age group k for the standard year;  
 $k$  = age group 0-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75 years and over.

SMRs for males and females are calculated using the appropriate sex and age specific standard rates. For persons, the SMRs are based on age specific standard rates for males and females combined.

The standard mortality rates used are those for England and Wales, over the years 1950-52.

In **Table 7** SMRs are presented which show differences in mortality levels between constituent countries of the United Kingdom for 1998. Here the comparison is between mortality for the United Kingdom as a 'standard', and mortality in each country, for a selection of causes of death. For each cause, 'expected' annual deaths in a particular country are the number which would have occurred if UK rates (for that cause) had applied in that country.

The SMR here =  $(\text{observed deaths} / (\text{expected deaths}) \times 100$   
 where expected deaths =  $\sum p_k M_k$   
 and  $p_k$  = population in age group k for a particular country;  
 $M_k$  = age-specific death rate for age group k for the United Kingdom;  
 $k$  = age group 0, 1-4, 5-9, ...., 80-84, 85 years and over.

The standard mortality rates used are for each selected cause for the United Kingdom, and are for 1993. Again, separate male and female standard rates are used, to give separate SMRs for males and females.

In **Table 15** the SMRs show differences in mortality levels at the regional level in England and Wales, for 1998. Here

the comparison is between mortality levels for England and Wales as a 'standard', and mortality levels in each sub-national area. For each cause, 'expected' annual deaths in an area are the number which would have occurred if rates for England and Wales (for that cause) had applied. SMRs are calculated separately for males and females, using the sex specific standard rates.

Here the  $SMR = [(\text{observed deaths}) / (\text{expected deaths})] \times 100$   
 where expected deaths =  $\sum p_k M_k$   
 and  $p_k$  = population in age group k for a particular area;  
 $M_k$  = age-specific death rate for age group k for England and Wales;  
 $k$  = age group 0, 1-4, 5-9, ...., 80-84, 85 years and over.

The standard mortality rates used are for each cause for England and Wales, for the year 1998.

#### Annualised death rates and ratios

In **Table 11** the annualised crude death rates for quarters of the year allow for variation in the number of days in the year, and in the number of days in each quarter. For each quarter the rate is given by

$$(D_i/P) \times (A/A_i)$$

where  $D_i$  = deaths in quarter i;  
 $P$  = mid-year population estimate;  
 $A$  = number of days in the year;  
 $A_i$  = number of days in quarter i,  
 $i$  = quarter 1, 2, 3, 4.

Also, in **Table 11** the annualised ratio for each quarter is defined as

$$(r_i/R)$$

where  $r_i$  = annualised crude death rate for quarter i;  
 $R$  = crude death rate for the year.

**Tables 12** and **13** show deaths by month of occurrence, expressed as annualised ratios. These ratios show seasonal variation in mortality over the year, and enable comparisons between years. They allow for the variation in number of days between months, and are based on total deaths occurring in each year where the date of occurrence was known. This takes account of the negligible number of deaths where date of occurrence was not known - these deaths are also excluded from quarterly numbers, rates and ratios in **Table 11**.

For **Table 12** ratios are presented for each sex/age group, and are calculated as follows:

annualised ratio for month  $k = \{(T/t_k) \times D_k\} \times 100/D$

where  $T$  = total days in the year;

$t_k$  = number of days in month  $k$ ;

$D_k$  = deaths in month  $k$  for a particular sex/age group;

$D$  = annual deaths (excluding deaths where month of occurrence was not known) for a particular sex/age group);

$k$  = month 1, 2, ..., 12.

The ratios for **Table 13** are similar, and are for selected causes of death, for males and females. They enable an analysis of seasonal mortality for causes of particular interest, including infectious diseases, pneumonia, and certain types of accidental and violent death such as suicides or motor vehicle traffic accidents. A similar analysis is given for particular external causes of injury and poisoning in **Table 6** of the annual volume in the DH4 series<sup>7</sup>.

## 2.8 Certification of cause of death

When a death occurs, the attending doctor is required to complete a medical certificate of cause of death to be taken to the local registrar of births and deaths<sup>18</sup>. The person delivering the doctor's certificate to the registrar, known as the informant, is often a relative of the deceased. The majority of deaths are handled in this way, and unless the registrar considers it necessary to refer the case to a coroner - which is unusual - the death is registered without further ado. The certifying doctor must have been in attendance during the last illness of the deceased.

### *Referral to the coroner*

For some deaths the doctor may certify the cause and report the case to the coroner, or the registrar may report it. Deaths which should be referred to the coroner<sup>19</sup> include those where:

- the cause is unknown
- the deceased was not seen by the certifying doctor either after death or within 14 days before death
- the cause was violent, or unnatural, or suspicious
- the death may have been due to an accident (whenever it occurred)
- the death may have been due to self-neglect or neglect by others
- the death may have been due to an industrial disease, or

related to the deceased's employment

- the death occurred during an operation or before recovery from the effects of an anaesthetic
- the death may have been a suicide
- the death occurred during or shortly after detention in police or prison custody.

Deaths for which there was no doctor in attendance, such as sudden or unexpected or violent deaths, may be referred directly to the coroner by the police. The coroner has a number of possible courses of action. Where he is satisfied that the death is due to natural causes and the cause is correctly certified, he will instruct the local registrar (on Form 100A - **Annex D**) to register the death, using the cause of death given on the original medical certificate.

Alternatively, the coroner may order a post-mortem examination, particularly where the death was sudden and the cause unknown. If this shows unequivocally that the death was due to natural causes he may dispense with the requirement to hold an inquest. He will then certify the cause of death from the pathologist's report on the post-mortem (Form 100B - see **Annex E**). The registrar will use this certificate to register the death.

### *Coroners' inquests*

If an inquest is necessary, the death can be registered only after the inquest. In a very few cases the coroner may hold an inquest without a post-mortem. In most cases the inquest concludes the investigation and the death is then certified by the coroner (Form 99(REV) - **Annex C**). This provides the registrar with details of the deceased and the inquest findings as to cause of death.

If it appears that someone is to be charged with an offence in relation to the death, the coroner must adjourn the inquest until legal proceedings are completed. Since 1978 (see section 2.13) it has been possible to register these deaths at the time of adjournment, when the coroner issues Form 120 (**Annex F**). This form includes details of injuries which led to the death, but no verdict. In the case of motor vehicle incidents, there is enough information to code the cause of death. Other deaths, such as possible homicides, are given a temporary code for underlying cause of death until final information becomes available. This is supplied by the coroner to the registrar on Form 121 (**Annex G**).

### *Legally uncertified deaths*

A very small proportion of deaths remain legally 'uncertified'. ONS receives copies of at least one certificate of cause of death for these cases, which are registered and coded as normal. This group includes deaths for which the



doctor who completed the medical certificate did not fulfil all the legal requirements for doing so. For instance, the doctor was not in attendance on the deceased during the last illness and did not see the body, and the coroner did not order a post-mortem but issued Form 100A. It also includes deaths of foreign military personnel in England and Wales where the certifying doctor was not a registered medical practitioner for the purpose of issuing certificates.

**Table I** gives relevant numbers of deaths by type of certification for the years 1995 to 1998, and **Figure A** illustrates the processes in certification and registration, with numbers for 1998.

A specimen of the medical certificate of cause of death for ages 28 days and over is reproduced at **Annex A** on page 127, and a specimen of the draft death entry completed at the time of registration is reproduced at **Annex B** on page 128. The draft death entry form extends over two pages, and both sides are shown.

## 2.9 Coding the underlying cause of death

The death certificate used in England and Wales accords with that recommended by WHO in the Ninth Revision of the International Classification of Diseases (ICD). It is set out in two parts. Part I gives the condition or sequence of conditions leading directly to death, while part II gives details of any associated conditions which contributed to the death, but were not part of the sequence.

The selection of the underlying cause of death is made from the condition or conditions mentioned on the certificate. The choice is made in accordance with international procedures, determined in the main from the statement of

the certifier. These procedures have been established by WHO<sup>20</sup>.

The classification of causes of death used in these tables is ICD9, to which mortality statistics for England and Wales have been coded since January 1979.

## 2.10 Causes of death

The conditions listed in **Table 7** are based on a standard tabulation list developed in 1993 by ONS (then OPCS), in consultation with the Department of Health. This list of 104 conditions includes the following :

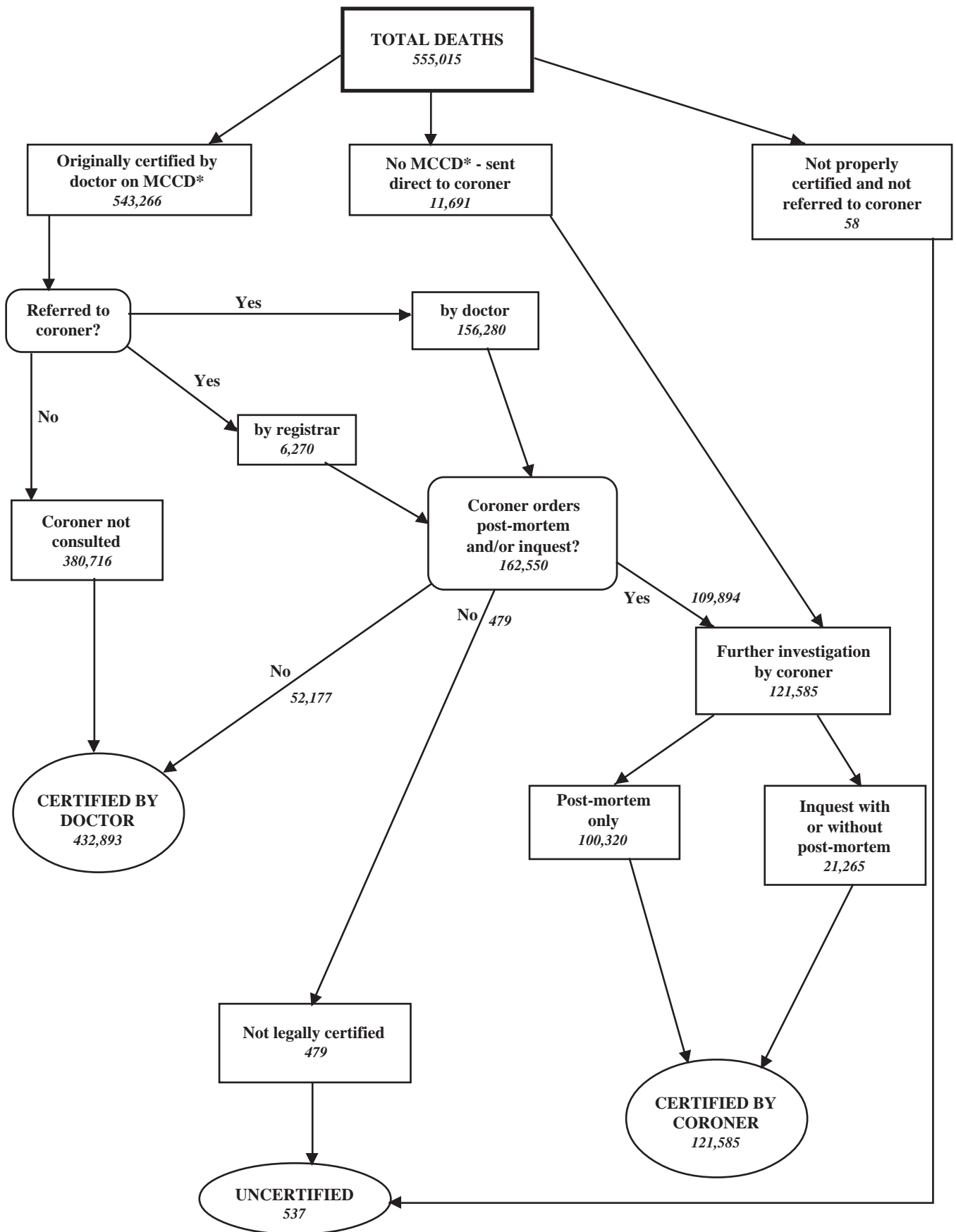
- all conditions given in the WHO basic tabulation list<sup>21</sup>, with the exception of tetanus (ICD 037), smallpox (050), nutritional marasmus (261), and other protein-calorie malnutrition (262,263); these four conditions were so rare as certified causes of death in England and Wales that they could safely be excluded from the list;
- totals for each ICD9 chapter;
- other conditions used in monitoring public health targets, such as for the *Our Healthier Nation* strategy and the Public Health Common Data Set;
- other conditions often referred to by ONS.

The aim is to provide a standard listing for tables of mortality statistics containing conditions frequently referred to by all users of the data. In this way users can find, where appropriate, the same conditions in different tables and in different annual reference volumes and Reports. Many tables also contain statistics for conditions in the standard list as well as others of particular interest. The standard listing is given in **Table J**.

**Table I Deaths by method of certification and registration, 1995-1998**

	1995		1996		1997		1998	
	number	%	number	%	number	%	number	%
<b>Total deaths</b>	<b>569,683</b>	<b>100</b>	<b>560,135</b>	<b>100</b>	<b>555,281</b>	<b>100</b>	<b>555,015</b>	<b>100</b>
<b>Certified by doctor, with coroner not involved</b>	<b>402,030</b>	<b>70.6</b>	<b>389,662</b>	<b>69.6</b>	<b>383,024</b>	<b>69.0</b>	<b>380,716</b>	<b>68.6</b>
Without post-mortem	..		..		379,963	68.4	377,192	68.0
With post-mortem	..		..		3,061	0.6	3,524	0.6
<b>Certified by doctor after referral to coroner</b>								
Registered with no post-mortem or inquest	43,010	7.5	46,145	8.2	51,215	9.2	52,177	9.4
<b>Certified by coroner:</b>								
Coroner's post-mortem held, with no inquest	103,700	18.2	103,229	18.4	99,796	18.0	100,320	18.1
Coroner's inquest completed, with or without post-mortem	19,596	3.4	19,695	3.5	19,859	3.6	20,365	3.7
Coroner's inquest adjourned	935	0.2	875	0.2	879	0.2	900	0.2
<b>Uncertified</b>	<b>412</b>	<b>0.1</b>	<b>529</b>	<b>0.1</b>	<b>508</b>	<b>0.1</b>	<b>537</b>	<b>0.1</b>

Figure A: Certification and registration of deaths occurring in 1998



\* medical certificate of cause of death

<b>TABLE J</b>	<b>ONS SHORT LIST OF CAUSE OF DEATH CODES IN ICD9</b>		
<b>001-999</b>	<b>All causes</b>	<b>320-389</b>	<b>Diseases of the nervous system and sense organs (chapter VI)</b>
		320-322	Meningitis
		332	Parkinson's disease
		340	Multiple sclerosis
<b>001-139</b>	<b>Infectious and parasitic diseases (chapter I)</b>	<b>390-459</b>	<b>Diseases of the circulatory system (chapter VII)</b>
001-009	Intestinal infectious diseases	390-392	Acute rheumatic fever
010-018	Tuberculosis	393-398	Chronic rheumatic heart disease
010-012	Pulmonary and other respiratory tuberculosis	401-405	Hypertensive disease
033	Whooping cough	410-414	Ischaemic heart disease
034,035	Streptococcal sore throat, scarlatina and erysipelas	410	Acute myocardial infarction
036	Meningococcal infection	415-429	Diseases of pulmonary circulation and other forms of heart disease
038	Septicaemia	430-438	Cerebrovascular disease
042-044	HIV infection	433,434	Cerebral infarction
055	Measles	440	Atherosclerosis
084	Malaria	451-453	Phlebitis, thrombophlebitis, venous embolism and thrombosis
137	Late effects of tuberculosis		
<b>140-239</b>	<b>Neoplasms (chapter II)</b>	<b>460-519</b>	<b>Diseases of the respiratory system (chapter VIII)</b>
140-208	Malignant neoplasms	480-486	Pneumonia
140-149	Malignant neoplasm of lip, oral cavity and pharynx	487	Influenza
150-159	Malignant neoplasm of digestive organs and peritoneum	490-496	Chronic obstructive pulmonary disease and allied conditions
150	Malignant neoplasm of oesophagus	490-493	Bronchitis, chronic and unspecified, emphysema and asthma
151	Malignant neoplasm of stomach	493	Asthma
153	Malignant neoplasm of colon		
154	Malignant neoplasm of rectum, rectosigmoid junction and anus	<b>520-579</b>	<b>Diseases of the digestive system (chapter IX)</b>
157	Malignant neoplasm of pancreas	531-533	Ulcer of stomach and duodenum
161	Malignant neoplasm of larynx	540-543	Appendicitis
162	Malignant neoplasm of trachea, bronchus and lung	550-553	Hernia of abdominal cavity
172	Malignant melanoma of skin	562	Diverticula of intestine
173	Other malignant neoplasm of skin	571	Chronic liver disease and cirrhosis
174	Malignant neoplasm of female breast		
179-189	Malignant neoplasm of genitourinary organs	<b>580-629</b>	<b>Diseases of the genitourinary system (chapter X)</b>
179,182	Malignant neoplasm of uterus, other and unspecified	580-589	Nephritis, nephrotic syndrome and nephrosis
180	Malignant neoplasm of cervix uteri	600	Hyperplasia of prostate
183	Malignant neoplasm of ovary		
185	Malignant neoplasm of prostate	<b>630-676</b>	<b>Complications of pregnancy, childbirth and the puerperium (chapter XI)</b>
186	Malignant neoplasm of testis	630-639	Pregnancy with abortive outcome
188	Malignant neoplasm of bladder	640-646,	Direct obstetric causes
200-208	Malignant neoplasm of lymphatic and haematopoietic tissue	651-676	
204-208	Leukaemia	647,648	Indirect obstetric causes
210-239	Benign, in situ, other and unspecified neoplasms		
<b>240-279</b>	<b>Endocrine, nutritional and metabolic diseases and immunity disorders (chapter III)</b>	<b>680-709</b>	<b>Diseases of the skin and subcutaneous tissues (chapter XII)</b>
250	Diabetes mellitus		
260-269	Nutritional deficiencies	<b>710-739</b>	<b>Diseases of the musculoskeletal system and connective tissue (chapter XIII)</b>
<b>280-289</b>	<b>Diseases of blood and blood-forming organs (chapter IV)</b>		
280-285	Anaemias	<b>740-759</b>	<b>Congenital anomalies (chapter XIV)</b>
<b>290-319</b>	<b>Mental disorders (chapter V)</b>		
290	Senile and presenile organic psychotic conditions		

<b>760-779</b>	<b>Certain conditions originating in the perinatal period (chapter XV)</b>
764,765	Slow fetal growth, fetal malnutrition and immaturity
767	Birth trauma
768-770	Hypoxia, birth asphyxia and other respiratory conditions
<b>780-799</b>	<b>Signs, symptoms and ill-defined conditions (chapter XVI)</b>
797	Senility without mention of psychosis
798.0	Sudden infant death syndrome
<b>800-999</b>	<b>Injury and poisoning (chapter XVII)</b>
800-829	Fractures
850-869, 950-957	Intracranial and internal injuries, including nerves
940-949	Burns
960-989	Poisonings and toxic effects
994.1	Drowning and non-fatal submersion
<b>E800-E999</b>	<b>External causes of injury and poisoning (chapter EXVII)</b>
E800-E949	Accidents and adverse effects
E800-E848	Transport accidents
E810-E819	Motor vehicle traffic accidents
E850-E869	Accidental poisoning
E880-E888	Accidental falls
E890-E899	Accidents caused by fire and flames
E900-E929	Other accidents and late effects of accidents
E950-E959	Suicide and self inflicted injury
E960-E969	Homicide and injury purposely inflicted by other persons
E980-E989	Injury undetermined whether accidentally or purposely inflicted

Note that from 1993 conditions related to HIV infection have been coded to ICD 042-044, as used by NCHS. This replaced the use of ICD 279.1 (deficiency of cell-mediated immunity) for these conditions.

The standard listing is also used in **Table 15** but is inappropriate for use in other tables where cause of death is analysed (**Tables 17, 22 and 25**).

## 2.11 Secondary causes (ICD codes 800-999)

Deaths where the underlying cause is assigned to an external cause are also assigned at least one nature of injury code. These codes appear in the range 800-999 of ICD9 Chapter XVII. However, it is possible to have more than one nature of injury code for a single death. For example, a car driver dying as a result of a motor vehicle traffic accident (ICD E813.0) may have suffered fractures of the

skull (ICD 800), of the neck of femur (820), as well as injuries of spleen (865). WHO provides guidelines for deciding which of the injuries is to be selected as that causing death<sup>22</sup>. The resulting summary cause code is referred to by ONS as the secondary cause - in the example above, the secondary cause would be skull fracture. The information on injuries is derived from coroner's forms supplied to ONS, in particular the coroner's certificate of cause of death after inquest (Form 99(REV)A - **Annex C**).

A revised version of this form was issued in May 1993 to bring it in line with the medical certificate of cause of death and with WHO recommendations, in particular the use of a causal sequence in part I and of associated conditions in part II. Because the form no longer includes specific questions about type of injury and parts of body injured, in addition to the section on cause of death, coroners now often provide less detail than before. As a result, relatively more deaths are now assigned to residual categories for nature of injury. For instance, the statement 'head injury' is coded to 'intracranial injury of other and unspecified nature' (ICD 854), where previously with additional detail from these questions the deaths might well have been assigned to 'skull fracture' (800-804). Another example is 'multiple injuries', which tends to be coded to 'internal injury to unspecified or ill-defined organs' (869), and which might have been assigned to 'fracture of neck and trunk' (805-809).

Analysis of recent trends in deaths by secondary cause shows patterns which reflect this change from 1993. Compared with earlier years the 1993 to 1998 figures show an unexpected fall in deaths from fracture of skull (ICD 800-804), fracture of neck and trunk (805-809), injury to blood vessels (900-904), and toxic effects of non-medicinal substances (980-989). With this is found an unexpected rise in deaths from intracranial injury, excluding skull fracture (850-854), internal injury of chest, abdomen and pelvis (860-869), and certain traumatic complications (958-959). Such trends are considered more likely to arise from using a less well-defined set of categories, than from the secular change.

## 2.12 Amended cause of death

As noted above, the conditions mentioned on the death certificate are used to derive an underlying cause of death. In some cases, however, more information on causes of death may become available at a later stage, such that the underlying cause may be subsequently amended. ONS uses these confidential details of amended cause wherever possible in its statistics and tables. Users with access to individual records of deaths as shown in the public record (which is not amended) may thus find some differences with published statistics.

At present, further details on the causes of death may be obtained in one or other of the following ways:

- by the certifying doctor indicating on the back of the medical certificate of cause of death (Box B), that more information may be provided to ONS on request
- where deaths are certified by coroners, further information may also be available after post-mortem
- following an inquest, coroners submit to ONS details of how a fatal accident occurred and
- coroners may also provide a final underlying cause of death and verdict much later for an accelerated registration following an adjourned inquest (see section 2.13).

Before 1993, ONS (then OPCS) sent medical enquiries to certifiers if insufficient details had been provided on the certificate for coding the cause of death. Of the 14,351 medical enquiries sent in 1992, 7,425 (52 per cent) resulted in a change to the code for the underlying cause of death. Medical enquiries have not been carried out since 1992 but may be re-introduced in the future, possibly in conjunction with the adoption of the Tenth Revision of ICD (ICD-10).

## 2.13 Accelerated registrations

On 1 January 1978 certain provisions of the Criminal Law Act 1977, the Coroners (Amendment) Rules 1977, and the Registration of Births, Deaths and Marriages (Amendment) Regulations 1977 came into force. The two principal changes arising from the legislation were :

- (a) The abolition of the duty of a coroner's jury to name a person it finds guilty of causing a death, and of a coroner to commit that person for trial.
- (b) An inquest might be adjourned because a person has been charged with an offence in connection with the death, or the police are investigating the circumstances surrounding the death. In such cases there was now provision for the death to be registered at the time of adjournment instead of, as previously, having to await the outcome of the criminal proceedings. The result of such proceedings would be notified by the coroner at a later date.

By thus accelerating the registration of deaths where an inquest had been adjourned, the legislation had a significant effect in the compilation of mortality statistics from injury or poisoning. All deaths assigned to these causes are coded in two ways, as recommended in the Ninth Revision of the

ICD, both to nature of injury codes and to external cause of injury (E) codes (see section 2.11). It is not possible to assign the correct E code to some of these accelerated registration cases until results of proceedings are known.

All accelerated registrations which are not transport incidents are assigned to code E988.8 (injury by other specified means, undetermined whether accidentally or purposely inflicted). Most are eventually reassigned to homicide (E960-E969), but the delays before this happens can affect the published figures<sup>23,24</sup>. Accelerated registrations which are motor vehicle incidents are assigned to a code in the range E810-E825 (motor vehicle traffic and non-traffic accidents) as sufficient data are available on the coroner's certificate of adjournment. More detailed analyses of the eventual code assigned to accelerated registrations may be found in the latest volume in the DH4 series<sup>25</sup>.

## 2.14 Registration of deaths by declaration

The role of the informant in death registration was described in section 2.8, noting that this person is required to visit a registrar's office to supply certain information about the deceased. However, since April 1997 it has been possible for relatives to provide this information to a registrar in another district from that in which the death occurred. This arrangement, similar to one already in place for birth registration, is known as registration of a death by declaration. Appropriate medical evidence must be presented at the time the declaration is made. This will be either a MCCD (**Annex A**) or a coroner's notification of post-mortem with no inquest (**Annex E**). The registrar will complete a Form 400 (**Annex H**) as well as the usual Form 310 (**Annex B**), which are both sent on to a registrar in the district where the death took place, who must carry out the actual registration. The latter registrar also retains the statutory duty to refer deaths to a coroner where appropriate. If there was an inquest the death would not need to be registered by declaration because no informant is required to attend the register office.

From April to December 1997 1,643 deaths were registered by declaration (0.41 per cent of all deaths), while during 1998 and 1999 2,867 and 3,173 respectively were thus registered (0.52 per cent and 0.57 per cent respectively). **Table K** gives the monthly distribution over these three years, showing a gradual increase in the use of deaths by declaration, from 0.26 per cent in April 1997 to a level in 1999 where in all but one month the proportion registered was between 0.5 and 0.7 per cent. Note that in this analysis total deaths represent the number of registrations in a period, rather than - as elsewhere in this volume - the number of occurrences.



**Table K Deaths registered by declaration 1997-1999**

	Registered by declaration			Total deaths registered			Rates, per 1,000 total deaths		
	1997	1998	1999	1997	1998	1999	1997	1998	1999
<i>By month of registration</i>									
January	0	211	376	71,403	50,452	63,436	-	4.2	5.9
February	0	176	236	47,929	45,744	47,055	-	3.8	5.0
March	0	229	257	40,691	50,740	51,177	-	4.5	5.0
April	128	238	244	48,962	48,002	43,251	2.6	5.0	5.6
May	167	193	215	42,393	41,647	38,697	3.9	4.6	5.6
June	163	244	304	41,868	44,392	44,198	3.9	5.5	6.9
July	226	250	256	43,323	43,251	40,199	5.2	5.8	6.4
August	150	215	225	38,551	37,819	39,901	3.9	5.7	5.6
September	197	334	284	42,852	44,762	42,315	4.6	7.5	6.7
October	204	274	262	45,101	44,367	41,681	4.5	6.2	6.3
November	218	265	257	42,805	45,809	46,222	5.1	5.8	5.6
December	190	238	257	52,174	56,450	55,400	3.6	4.2	4.6
(April to December)	1,643 (1,643)	2,867	3,173	558,052 (398,029)	553,435	553,532	.. (4.1)	5.2	5.7
<i>By sex</i>									
Male	895	1,585	1,712	191,884	264,202	263,166	4.7	6.0	6.5
Female	748	1,282	1,461	206,145	289,233	290,366	3.6	4.4	5.0
<i>By age</i>									
Under 28 days	91	120	128	1,909	2,410	2,439	47.7	49.8	52.5
Under 1 year	111	148	157	2,848	3,605	3,635	39.0	41.1	43.2
1-14	5	22	23	1,252	1,671	1,613	4.0	13.2	14.3
15-44	87	127	136	13,844	18,734	18,429	6.3	6.8	7.4
45-64	330	523	569	51,562	69,502	69,113	6.4	7.5	8.2
65-74	353	576	604	84,893	112,731	108,975	4.2	5.1	5.5
75 and over	757	1,471	1,684	243,630	347,192	351,767	3.1	4.2	4.8
<i>By cause* of death</i>									
Neonatal deaths	91	120	128	1,909	2,410	2,439	47.7	49.8	52.5
001-139 Infectious diseases	15	16	29	2,519	3,379	3,611	6.0	4.7	8.0
140-239 Neoplasms	197	349	396	104,610	138,251	135,791	1.9	2.5	2.9
390-459 Diseases of the circulatory system	909	1,617	1,669	164,634	225,812	218,062	5.5	7.2	7.7
460-519 Diseases of the respiratory system	167	358	426	57,766	89,263	96,453	2.9	4.0	4.4
520-579 Diseases of the digestive system	94	138	143	15,098	20,936	21,606	6.2	6.6	6.6
740-759 Congenital anomalies	18	28	26	929	1,253	1,175	19.4	22.3	22.1
E800-E999 External causes of injury and poisoning	11	19	17	12,408	16,704	16,905	0.9	1.1	1.0
All other causes	141	222	339	38,156	55,427	57,490	3.7	4.0	5.9
<i>Period between occurrence and registration</i>									
0-1 day	30	43	40	178,499	245,203	233,203	..	..	..
2-3 days	278	497	521	132,927	187,065	188,428	..	..	..
4-5 days	487	805	840	49,320	68,749	73,851	..	..	..
6-7 days	393	659	787	13,639	19,366	21,762	..	..	..
8-14 days	377	688	794	6,987	10,096	11,906	..	..	..
15- days	78	175	191	16,657	22,956	24,382	..	..	..

\* ICD9 codes shown; underlying cause of death is shown for non-neonatal deaths

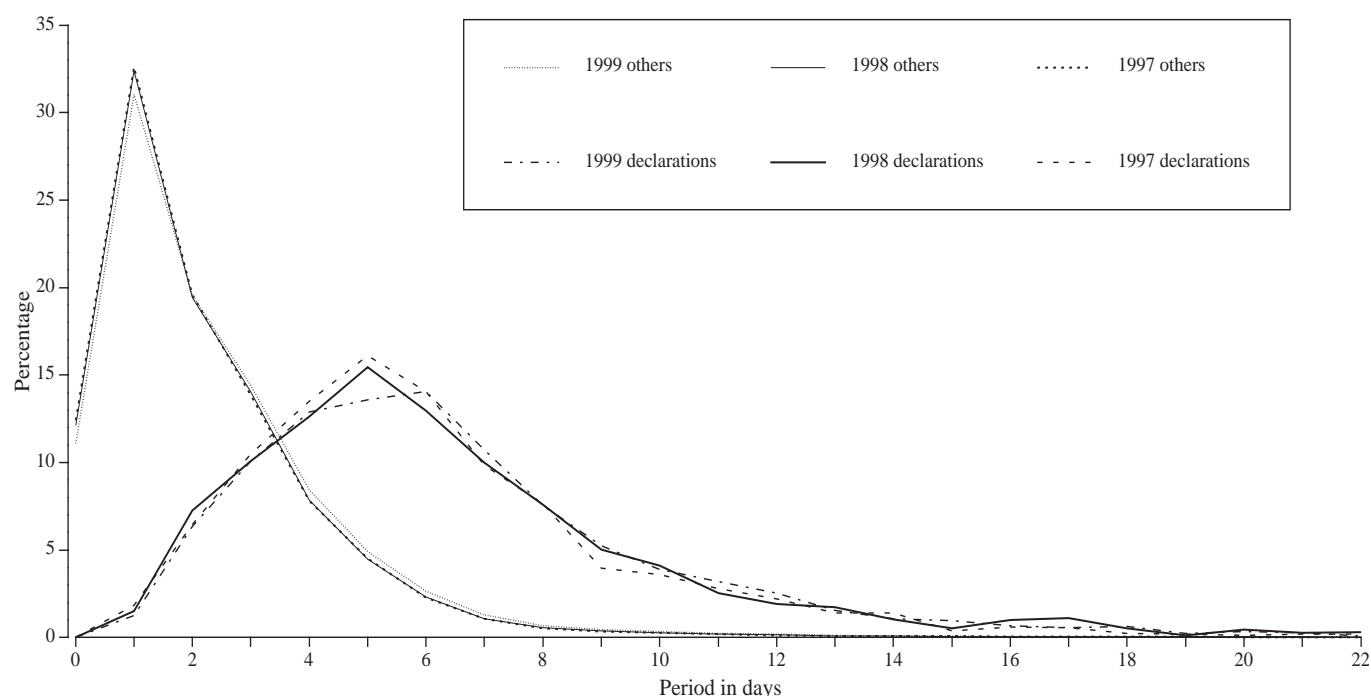
Analysed by age, infant deaths are most likely to be registered by declaration. About 4 per cent of deaths under one year were by declaration in 1997-99, and for neonatal deaths this rises to 5 per cent (**Table K**). Deaths at the oldest ages are least likely to be by declaration, with only 0.3 per cent in 1997, rising to 0.5 per cent in 1999.

The greater likelihood of infant deaths being registered by declaration is also evident when the data are analysed by cause of death (**Table K**). In all three years the most likely causes are congenital anomalies, with about 2 per cent by declaration. Least likely are deaths from external causes of injury and poisoning. Most of the latter are registered following an inquest, and all details are taken from the coroner's certificate with no requirement for any informant

to provide details at any register office. The greater frequency for infant deaths is explained by the practice of referring infants or pregnant women to regional care units when appropriate, which may often be some distance from the parents' home. If the infant then dies the declaration procedure may be a useful option. It may also be related to the fact that registration by declaration for births has been available for some time, and parents who have recently registered a birth may be more aware of its existence. Many neonatal deaths are registered at the same time as the birth registration.

When a death is registered by declaration there is necessarily some delay as registrars in two separate districts are involved, and it may take a day or two to send a form from

**Figure B** Percentage distribution of period between occurrence and registration, for deaths by declaration and all other deaths, 1997–99



the first to the second. Paper copies are required, as it is not sufficient for the registrar to receive an e-mail or fax. An analysis of deaths by the period between occurrence and registration (**Figure B**) shows a median delay of 5.1 days for deaths by declaration in 1997, rising to 5.3 days in 1998 and 5.5 in 1999. Corresponding median delays for all deaths were 1.3 days in 1997 and 1998, rising to 1.5 days in 1999. While 89 per cent of all deaths in 1999 were registered within five days, only 44 per cent of those registered by declaration were completed by this point. Note in passing that in general the delay in completing death registration has risen recently, which may be due to the introduction of appointment systems for informants in many register offices. Instead of queuing for long periods as soon as they have obtained the MCCD, informants may choose to visit an office by appointment a day or two later.

In summary, the take up of this procedure has been very low to date, although it is rising slowly. Registering a death by declaration is most likely to be used for infant deaths. And on average the procedure means that registration may take about four days longer than it would otherwise.

## 2.15 Neonatal deaths

In this volume the numbers of deaths by cause exclude neonatal deaths (deaths to infants aged under 28 days). In January 1986 a neonatal death certificate was introduced, from which it is not possible to assign an underlying cause of death. This certificate follows recommendations of WHO in the Ninth Revision of ICD<sup>26</sup>, whereby causes of death are given separately in the following categories:

- main diseases or conditions in fetus or infant
- other diseases or conditions in fetus or infant
- main maternal diseases or conditions affecting fetus or infant
- other maternal diseases or conditions affecting fetus or infant
- other relevant causes.

While conditions arising in the mother which affected the fetus or infant could be mentioned on certificates prior to 1986, no specific requirement was made for the certifier to state that both maternal and fetal conditions contributed to the death. However, since equal weighting is given to main conditions in the fetus and in the mother, it is no longer possible to identify a single underlying cause of death for neonatal deaths (and stillbirths). More details may be found in the latest volume in the DH3 series<sup>12</sup>.

## 2.16 Expectation of life, and years of life lost

### *Life tables*

The life table is a useful statistical model which represents current levels of mortality in a summary form. Its best known measure is the expectation of life at different ages – that is, how many years a person can expect to live from their present age, if subject to current mortality rates. The life table population is not subject to variations in the sex and age structure of the population, nor is it affected by migration, because it is a model produced by applying current mortality rates to an imaginary birth cohort.

The English Life Table (ELT) is prepared by the Government Actuary's Department (GAD) every ten years (for England and Wales), based on mortality around the time of the decennial population census. The latest ELT (number 15)<sup>9</sup> was issued in 1997, based on mortality in the years 1990-92. A summary of life expectancies from 1838-1998 is given in **Table 23**. GAD also prepare annual life tables, based on three years mortality data, this period being used to reduce the effect of short-term fluctuations, such as a severe winter or an influenza epidemic. Summary measures from these, showing (a) life expectancy at different ages, and (b) the number of survivors at these ages, are given in **Table 24**. Life table summaries also appear in tables in *Population Trends*, and more information may be found in a recent article<sup>27</sup>.

### *Years of life lost*

Linked with the life table are analyses of the effects of premature death. Here it is assumed that everyone may live to some arbitrarily chosen age, and that death at a younger age means that some future years of life have been lost. Calculations of years of life lost are made for deaths from selected causes, with the aim of illustrating the relative effects from different diseases. The 'cut-off' age used in this volume is 85, which will exclude deaths at high ages where the cause is uncertain<sup>28</sup>. This approach is also used to calculate years of working life lost due to premature death, with a 'cut-off' age of 65. The period of working life is regarded as covering ages 15 to 64, for both males and females.

$$\text{Total years of life lost} = \sum (85 - a_i) \times d_i$$

$$\text{Years of working life lost} = [\sum (65 - a_j) \times d_j] + 50 \sum d_k$$

where  $d_i, d_j, d_k$  = number of deaths in age-group  $i/j/k$ ;

$$a_i, a_j, a_k = \text{age } i/j/k + 0.5;$$

$$i = 1 \text{ to } 84;$$

$$j = 15 \text{ to } 64;$$

$$k = 1 \text{ to } 14.$$

Since there is no information on underlying cause of death when the deceased was aged under 28 days, the only category including both neonatal and non-neonatal deaths is that for 'all causes'.

The mean age at death is included in **Table 25** as a further indicator of the relative effects of premature death. It is based on the sum of ages at death for each person.

## 2.17 Legislation

The main provision for registration of deaths and the processing, reporting and analysis of mortality data is given under the following legislation :

- **Census Act 1920**, which in section 5 provides for the collection and publication by the Registrar General, of statistical information on the population
- **Population (Statistics) Act 1938**, which deals with the collection of certain items of information at registration which may be used only for statistical purposes within ONS
- **Births and Deaths Registration Act 1953**, which covers all aspects of the registration of births and deaths
- **Registration Service Act 1953**, which in section 19 requires the Registrar General to produce annual abstracts of the number of live births, stillbirths, and deaths
- **Population (Statistics) Act 1960**, which makes further provision for collecting statistical detail at registration
- **Registration of Births and Deaths Regulations 1987**, which cover further aspects of the registration of births and deaths
- **Coroners Act 1988**, which sets out the procedures to be followed by coroners in handling deaths
- **Deregulation (Stillbirth and Death Registration) Order 1996**, which allows for the registration of deaths by declaration
- **Health Act 1999**, a section of which includes specific provision for the supply of information on individual deaths to the National Health Service.

## 2.18 Historical changes in mortality data

Users of this volume should note certain changes to the collection and coding of deaths data in recent years, which may affect their interpretation of trends in mortality. These changes include:

- 1979 Introduction of the Ninth Revision of the International Classification of Diseases.** This replaced the Eighth Revision, which was used from 1968 to 1978. OPCS selected a 25 per cent sample of death certificates for 1978, and coded these to both the Eighth and Ninth Revisions to give a guide to the effect of these changes on specific categories. The results of this bridge-coding exercise were published in 1983<sup>29,30</sup>.
- 1981-82 Industrial action taken by registration officers,** which affected the quality of information about deaths from injury and poisoning. This action meant that details normally supplied by



coroners were not available and the statistics were significantly affected. Information normally requested to aid coding of underlying cause of death was also unavailable. Figures on injury and poisoning for 1981, with the exception of suicides, must thus be treated with caution. Categories such as 'transport accidents' and 'homicide' were significantly understated whereas 'non-specific accidents' and 'undetermined injuries' were overstated. Statistics relating to nature of injury were less affected by the absence of the coroners information.

Although industrial action extended into 1982 the coroners information was collected retrospectively for that year, so enabling more accurate figures to be produced. However, complete details to help code the cause of death were still unavailable in 1982. This resulted in more deaths than usual being assigned to 'unspecified' categories. Although mortality statistics were not published by OPCS for 1981 in the DH4 series, they were issued for that year in the DH2 series. More information may be found in the other volumes of that period<sup>31,32,33,34</sup>.

**1984** **OPCS decided to amend its interpretation of WHO Rule 3** in the assignment of underlying cause of death. This amendment is covered in more detail in section 3.3. It resulted in a decrease in the numbers of deaths coded to pneumonia and a few other causes, and an increase in deaths from many other conditions - most of the latter being small increases. The background to this change is given in the annual volume for 1984 in the DH2 series<sup>35</sup>, which includes a table assessing the numerical effects of changes, by underlying cause. Deaths from injury and poisoning were excluded from this exercise.

**1986** As from January 1986, registrars have recorded the following information on the draft entry form:

- the date when the certifying doctor last saw the deceased alive;
- whether the deceased was seen after death by a medical practitioner;
- whether the death was reported to a coroner, and by whom;
- whether the certifying practitioner indicated

that death might have been linked to the deceased's employment.

The first three items had been recorded on the medical certificate for many years for legal and administrative purposes. The fourth resulted from legislation passed in 1985. Analysis of the numbers of deaths for 1987 which identified this possible link showed that the procedures for recording and reporting them were not in place<sup>36</sup>. Until these arrangements are revised the information will be poorly recorded.

**1986** **New stillbirth and neonatal death certificates** were introduced in January 1986. The new neonatal certificate included both maternal and fetal conditions. This means that it is not possible to assign an underlying cause for deaths under 28 days. From 1986, therefore, tables of deaths by cause and age do not include neonates, although the all cause total for neonates is often given. Details of neonatal deaths by cause may now be found in the annual volume on childhood, infant and perinatal mortality statistics<sup>12</sup>.

**1993** **Redevelopment of OPCS collection and processing systems**, which took effect on published mortality data from January 1993. Changes included:

- the computerisation of registration, with registrars in most local offices entering details on microcomputers and supplying data to ONS on floppy disk;
- the automation of cause of death coding, so that procedures for assigning codes to underlying cause are now automatic for about 80 per cent of all deaths;
- the use of a dynamic database to hold all deaths data, for easy retrieval of up-to-date information.

These and other changes are described in part 3 and (in more detail) in the annual volume of mortality statistics in the DH2 series for 1993-94<sup>3</sup>.

**1993** **A revised coroner's reporting form** was introduced in May 1993, which resulted in less detail for many deaths from injury and poisoning - both for the description of injury sustained and for the classification of some suicides. More information may be found in section 3.4.

**1997 Provision for registration of a death by declaration** was introduced in April 1997, whereby details of a death could be supplied to a registrar in a district other than that where the death took place.

## 2.19 Symbols and conventions

In this volume: 0 denotes less than 0.5,  
.. denotes not applicable, and  
- denotes nil.

Rates, ratios and percentages in Tables **6, 7, 10, 13 to 15, 19** and **22** which are calculated from fewer than 20 deaths are distinguished by *italic* type as a warning to the user that their reliability as a measure may be affected by the small number of events.

## 2.20 Further information

The full list of ICD categories used in cause of death coding is available for reference at the Office for National Statistics, or a copy can be supplied on payment.

Orders and enquiries to:

Births and Deaths Processing  
Office for National Statistics  
Segensworth Road  
Titchfield  
Fareham  
Hants PO15 5RR  
(Telephone: 01329 813383; fax 01329 813289)

Requests for mortality data should be made to the address below. In addition, more information on the data in this volume, on unpublished tables (section 1.4), and on the quality of deaths data, may be obtained from:

Vital Statistics Outputs Branch  
Population and Vital Statistics  
Office for National Statistics  
Segensworth Road  
Titchfield  
Fareham  
Hants PO15 5RR  
(Telephone: 01329 813758; fax 01329 813548; e-mail  
vsob@ons.gov.uk)

Enquiries on StatBase and its use may be made to:

IDD StatBase Support  
Office for National Statistics  
Segensworth Road  
Titchfield  
Fareham  
Hants PO15 5RR  
(Telephone 01329 813521; e-mail  
idb.dataunit@ons.gov.uk)

## 3 Other information

### 3.1 Redevelopment of mortality statistics

ONS recently carried out an extensive redevelopment of its collection and processing systems for population, health and registration data - in particular, for births and deaths. For deaths this has included: the progressive computerisation of registration in local offices; the move to a large deaths database to hold all deaths data from 1993; and the introduction of automated coding of cause of death. Further information about these changes is given below, with more details in the annual volume in the DH2 series for 1993 and 1994<sup>3</sup>. Users should note that changes to the rules for selecting and coding the underlying cause of death bring England and Wales into line with international practice.

#### *Registration practice*

When a death occurs, the attending doctor will usually complete a medical certificate of cause of death. The next of kin, or other informant then takes this to the local registrar, who enters details of the death in the official death register and provides a copy of this to the informant. Until recently the registrar carried out the registration by filling out a form by hand, but this practice is now uncommon. Since 1987 the registration service has gradually become computerised. The details from the medical certificate of cause of death, and other particulars supplied by the informant, are entered into a microcomputer by the registrar. A copy of the draft entry in the death register (**Annex B**) is then printed automatically, and the information is stored and sent weekly on floppy disk to ONS for processing.

At the time of writing (August 2000) 99 per cent of death registrations are handled in computerised offices. This change has enabled information about most deaths to be handled more consistently and efficiently than before.

#### *The deaths databases*

An important part of redevelopment at ONS has been the introduction of a new database to store information on deaths. In the new system there are two deaths databases, one for **public record** information and the other for **statistical** data. The public record database contains mainly textual information which appears on the death certificate. This corresponds to most of the details supplied by informants to a registrar and available to applicants requesting a copy of the death certificate.

The deaths statistical database contains only coded details of each death, held at varying levels of security. When outputs are required, the database can be accessed to supply information on individual deaths or to provide datasets for tabulation. The database is continually being updated and amended as further information becomes available. However, once ONS has created a standard dataset from which to produce outputs, any tabulations based on a later extract are unlikely to be much different (see section 2.2).

#### *Automated cause coding*

The Automated Cause Coding system (ACCS) is based largely on software developed by the US National Center for Health Statistics (NCHS). About 80 per cent of deaths are coded in this way. The cause coding of deaths certified after inquest is still done manually to ensure a consistent handling of these cases (see section 3.4).

The rules and procedures used in ACCS provide a consistent way of assigning the underlying cause for each death, by reducing the variation that arises when deaths are coded by even the most experienced individual coders. They allow ONS to present mortality statistics which are more comparable with international practice. In addition, they make it easier to analyse all the causes of death mentioned on each certificate. However, they also mean that from 1993 some data may not be strictly comparable with those for 1992 and earlier years. Reasons for this are discussed below.

### 3.2 Use of medical enquiries

In the coding of underlying cause of death, certain conditions, as reported on the death certificate, cannot be assigned precisely. Up to 1992, OPCS handled these cases by applying to the certifier for further information in order to assign a more precise code. This procedure has not been used from 1993 because we were unable to deal with these deaths in a timely way. However, ONS intend to re-introduce medical enquiries in the future, possibly in conjunction with the adoption of the Tenth Revision of ICD (ICD-10).

### 3.3 Use of WHO Rule 3

In general, the main change in introducing automated cause coding was in the interpretation of WHO Rule 3, one of the rules used to select the underlying cause of death. The death certificate is set out in two parts: part I gives the condition or sequence of conditions leading to death, while part II gives details of any associated conditions. Rule 3 states that

‘if the condition selected by the General rule or Rules 1 or 2 can be considered a direct sequel of another reported condition, whether in part I or part II, select this primary condition’<sup>37</sup>.

The interpretation of Rule 3 was broadened by OPCS in 1984 so that certain conditions which are often terminal, such as bronchopneumonia (ICD 485) or pulmonary embolism (415.1), could be considered a direct sequel of any more specific condition reported. The more specific condition would then be regarded as the underlying cause.

This change in interpretation meant that deaths from certain conditions such as pneumonia declined in 1984, while deaths from conditions often mentioned in part II increased. The change in 1993 was thus to move back to the internationally accepted interpretation of Rule 3 operating in England and Wales before 1984.

The effects of moving back to this earlier interpretation of Rule 3 have been studied elsewhere<sup>2,3</sup>. The expected numerical effects are based on the assumption that any allowance for them was the same in 1993 as it was in 1984, which is unlikely to be exactly true. However, the effects of change appear to be generally in the opposite direction to those of 1984, and of a similar magnitude.

Deaths assigned to external causes were excluded from the Rule 3 change in 1984 because the procedures for assigning underlying cause of death based on coroners verdicts were unaffected by WHO rules. From 1993 the numbers of deaths from external causes which were certified without inquest rose; these were largely falls and fractures in the elderly (ICD E880-E888). This happened because of the reversion to international practice by following ICD9 rules, which do not allow external cause deaths to be due to diseases except in a very few specific circumstances, such as drowning due to epilepsy. Prior to this, and in England and Wales only, these deaths from falls were allowed to be certified and coded as due to osteoporosis (ICD 733.0).

### 3.4 Using cause of death data from 1993

The previous sections discuss the effect of two main changes in 1993 in the collective processing of mortality statistics. Other changes affected the way causes of death were coded; these have mainly affected deaths from external causes of injury and poisoning (E800-E999). For deaths from external causes the changes were complex. A revised coroner’s reporting form was introduced in May 1993. The form, for deaths certified after inquest, has two pages, the first of which invites the registrar to register the death. The second, which contains additional detail about some accidental deaths, is sent on by the registrar to ONS

deaths processing section. It appears that ONS did not receive this second page for all relevant deaths, and the effects of this shortfall are unclear.

As a result of this and the reduction in detail mentioned in section 2.11, more deaths are being assigned to residual categories such as ‘other and unspecified causes’ (ICD E928.9). The numbers of deaths coded to suicide and self-inflicted poisoning by motor vehicle exhaust gas (E952.0) have declined substantially for this reason, while those from suicide and self-inflicted poisoning by other carbon monoxide (E952.1) have risen.

Following recent detailed investigation of the data, ONS has amended its systems to take account of errors in coding to external causes. In the meantime users are advised to be cautious in analysing these figures, especially when studying trends.

## 4 Quality of mortality data

Mortality statistics in England and Wales are derived from the registration of deaths certified by a doctor or a coroner. The data pass through a number of processes before becoming usable for analysis. These processes are complex, and involve a wide range of people, organisations and computer systems. The scope for error is correspondingly wide. However, ONS aims to produce mortality statistics with the highest achievable quality given available resources.

The following sections describe briefly the quality checks and validations carried out in the creation of mortality statistics. They are arranged in chronological order – from the certifier completing a death certificate and the death being registered to the production of routine statistics. To achieve these routine outputs, annual extracts are taken from the deaths database, as described in sections 2.2 and 3.1. These extracts are then used to produce annual tables (as in this and other volumes), unpublished tables (see section 1.4), and files of individual death records for other government departments and health authorities.

Assessments of particular aspects of deaths data quality are planned for future volumes in the DH series. These will include reports on dual cause coding (section 4.8) and on the frequency of ‘ill defined and vague’ categories in ICD9 as underlying cause of death.

More detail on checks and validations within particular processes may be obtained on request from ONS (section 2.20).

## 4.1 Writing the medical certificate of cause of death

This is done by the certifying doctor for 75 per cent of deaths, and by coroners for the remainder. A variety of studies have looked at the quality of information on death certificates, in particular the details on cause of death. With many thousands of doctors writing certificates, and with the variation in their training, habits and knowledge, the quality will inevitably be inconsistent. The pool of doctors is constantly changing, with death or retirement at one end and newly qualified doctors at the other, while doctors trained in a variety of countries may produce more diversity.

It is difficult to train doctors already in practice. ONS can send out circulars<sup>38</sup> and promote continuing medical education on good certification practice and its benefits, perhaps through the Royal Colleges. More attention is being paid to the education of junior doctors and medical students, and to the form used. Targeted querying ('medical enquiries') of cause of death when certification is poor has been found to be a useful educational tool in both France and the USA.

ONS has developed a training video, **Death Counts**, together with a training pack including test histories and pocket cards. 257 of these had been sold by July 2000, mainly to hospitals and medical schools. A new medical certificate of cause of death has been piloted. Information from this exercise has been used to inform the development of guidelines to certifiers in booklets of medical certificates of cause of death, which were issued in April 1997.

Coroners who certify deaths following post-mortem or inquest, or both, provide information similar to that from a certifying doctor. Details of cause of death may in such cases come from a pathologist who performs a post-mortem examination. The process of referral to a coroner is itself subject to variation, due to local coronial practice: this may in turn lead to artefactual differences in mortality rates between districts.

## 4.2 Registration of the death

As noted in section 1.3, data items other than the cause of death depend largely on information supplied by the informant. For deaths certified after inquest, police officers or other witnesses may supply this information at inquest. It cannot later be checked by the registrar.

For some items of information, e.g. occupation, there may be no good way of checking the accuracy without detailed 'follow back' research. For others, internal validity may be checked (age and date of birth), or 'reasonability' (age and cause of death). But there is some dependence on the

registrar for information that sounds reasonable but which may not be checkable. Some details may also be checkable later, e.g. date of birth and usual address, with records at the National Health Service Central Register (NHSCR).

## 4.3 Entry of data into Registration Service Software (RSS)

This covers the way in which data are keyed in to the RSS by registrars, and the way in which RSS checks these details. Some of the ways in which RSS performs internal checks have been investigated, as well as how good it is at spotting errors and inconsistencies, and how well any corrections are made. Under-recording of the fact of a post-mortem examination for deaths certified by a doctor has prompted changes that were incorporated in version 7.1 of RSS, released in April 1997; more details on the recording of post-mortems may be found in section 2.8.

The deaths statistical fields used in RSS are validated in three respects:

- range:** checking that codes fall into an expected range of values
- data type:** checking that text appears where it should, and numeric data where it should
- logic:** cross-checking with values in one or more other fields.

Cross-validations are now carried out by some on-line checking of logical consistency between various items recorded by the registrar. These include information collected on type of certification, referral to coroner, and whether a post-mortem was carried out.

## 4.4 Other checks made by the registration service

Checks are also made on death registration details at various times by registrars, superintendent registrars, and inspectors of registration. They are made on death registration data 'in the field', prior to Quarterly Certified Copies (QCCs) being received at ONS in Southport.

### *At the time of registration*

When someone attends to register a death, the registrar is instructed to make the following checks:

- The death is in their area
- The death occurred within the last 12 months
- The informant is qualified to give information
- The correct medical certificate has been used
- The certificate relates to correct person
- The certificate has been filled in properly, ie signed, the



declaration not amended in any way, the doctor's qualifications filled in, the certifier has seen deceased within 14 days of death or after death, and the cause of death is not one which needs reference to the Coroner.

The registrar then carries out the registration. This process includes going through the RSS screens and a printed draft entry (or just the draft entry in non-computerised districts) with the informant, prior to writing the register entry. The registrar then copies the register entry from the draft, and this is also checked and signed by the informant. The register entry should thus be an exact replica of what has gone on the computer system.

The Quarterly Certified Copy (QCC) is produced either by printing from the RSS, or by photocopying the register, or by typing/handwriting.

#### *By Superintendent Registrars and Inspectors of Registration*

Four times a year, each Superintendent Registrar carries out the following checks, amongst others:

- the QCC entries agree with each register entry
- the entries appear to be in sequence
- there is a medical certificate/Coroner's form to accompany each death entry
- each entry has been signed by an informant (if required) and by the registrar
- a general check on any apparent erasure, illegibility etc.

Inspectors visit each registration officer on a cycle of inspections. The frequency of inspection varies depending on the officer's performance, but is usually between 12 and 24 months. The inspector examines a full range of an officer's work; for death registration, this will include:

- sitting in on actual registrations to check questioning technique
- examining a sample of register entries & supporting documentation & draft entries
- checking some QCCs against the register.

#### **4.5 Receipt of death registration data at Titchfield**

At present, details of about 99 per cent of deaths are received from register offices on disk at Titchfield, and the remainder from non-computerised offices on paper. The latter are then keyed into the system using a clone of RSS software. The combined data are then loaded on to the deaths database. Any errors found are dealt with by processing staff. Details of these checks and reports are given below.

Diagnostic reports are produced fortnightly for records received on disk, and every two months for records keyed from paper. Each week, about 20 of the 650 or so registrars are contacted to resolve queries of this nature.

Staff at ONS Titchfield who receive data from registrars carry out checks for failed or corrupted disks - and for viruses. They also check registrars whose disks (or paper drafts) have not been received by the fourth working day after the end of each week (usually Thursday).

Other checks include:

- checks for missing entries, so that death registration details received are in sequence
- checks for duplicate records
- misplaced records eg checking that each registrar is using the register allocated
- for paper records - that date of death and date of registration are in the correct range
- for paper records - keyers look for obvious errors such as missing details.

When an apparent error is found the registrar is contacted direct, and an amendment made.

#### **4.6 Validation processes**

Once on the database the data are passed through a series of validation processes. These resemble the checks and validations carried out on deaths data up to 1992, before redevelopment of the computer system. They are carried out automatically, and most mean a return to check source details if an error is found. Many concern details of a date with an accompanying age. Simple validations include examination of (say) dates or employment status, to ensure that they are likely. More complicated validations include checks for consistency between dates of birth, death and registration, or between age and marital status.

#### **4.7 Routine checks in Titchfield**

All deaths accepted onto the database which need routine coding are periodically identified, and coded as required. In addition, once coding of the cause of death is complete, ad hoc checks are carried out on variables such as date of death, sex, year of birth, and marital status, and on certain geographic areas with known coding problems related to communal establishments. The ad hoc checks evolve continuously during exploratory surveillance of data quality, and some of these are later incorporated as routine checks.

The detailed routine coding falls into five main areas:

- post coding - to give usual residence of deceased
- occupation ie last gainful occupation of deceased/spouse/father, where age of deceased under 75
- communal establishment coding ie for place of death of deceased
- place of birth of deceased
- cause of death (see below).

Causes of death are coded either through ACCS (see below) or by a manual process. There are also routine checks of cause of death data. Those carried out monthly include:

- checking cause fields against inquest verdict fields for compatibility
- the presence or absence of original and amended cause of death fields
- presence of the 'E' prefix for ICD cause codes 800-999, as appropriate
- codes for ONS cause groups<sup>12</sup> (or Wigglesworth codes) are present for neonatal deaths, and absent for non-neonatal deaths
- validity of suicides at very young ages
- mentioned conditions on death certificate are compatible with gender.

Annual checks include:

- whether the ICD fourth digit is present, when the three digit code requires it
- whether the ICD fourth digit is absent, when the three digit code requires it to be present.

Various ad hoc checks are also carried out to ensure data quality

#### 4.8 Automated Cause Coding system (ACCS)

Data for most deaths are fed into the ACCS system at Titchfield (section 3.1) to derive codes for each medical condition on the certificate, and to select the underlying cause. The switch to ACCS from 1993 has made interpretation of time trends in mortality from certain specific causes problematic across the change, since there was no dual running of old and new systems and no reliable comparison between manually and automatically coded data. Until recently the accuracy of automated coding was checked in a 10 per cent sample each week, coded both manually and via ACCS. Procedures to perform these checks became routine in late 1996.

The sample was reduced to 7 per cent in 1998, and the checks terminated in early 1999. Weekly reports gave details of the checks, which were followed up by a medical epidemiologist.

Results from dual cause coding were used to help train cause coding staff and to update the TRACER<sup>39</sup> module of the automated cause coding software (ACCS). They were also provided as feedback to NCHS, authors of the software, and to highlight areas of concern for the ICD10 version. This identified, for example, that the US software erroneously coded some deaths from 1993 onwards to acute rheumatic heart disease (ICD9 390-392) in certain circumstances. Further scrutiny has shown that only a small number of deaths should be coded annually to this range. Future data will be corrected before publication.

#### 4.9 Checks before and after extraction of data for analysis

The first of these are carried out as a final check of what is held on the deaths database before an annual extract of data is taken. These comprise frequency checks for a range of fields, covering age, sex, underlying cause, and area of residence. Also checked are possibly incorrect combinations of fields - for instance, whether Wigglesworth codes for neonatal deaths appear for non-neonatal deaths, or whether deaths with an inquest verdict of suicide are assigned an underlying cause in the appropriate ICD range (E950-E959). Any apparent errors or inconsistencies result in checks of individual cases by coders, and amendments made as required. Some of these checks are also carried out routinely every month.

Further checks are carried out once the data extract has been taken. They include checks similar to those done before extraction, to ensure that corrections made at that stage were properly carried out. After the annual dataset used for mortality analyses has been produced as a dataset in SAS, a further set of frequency counts and two-way tables are prepared to ensure that no new errors have been introduced at this stage. These checks are to ensure that the frequency distributions are both valid and plausible, and broadly similar to those for the previous years' data.

Some of the checks before and after extract use automated procedures.

#### 4.10 Checks on routine outputs

At present these include :

- (a) systematic checks of totals (row, column, and other) against known correct figures, such as frequency counts mentioned above or other outputs already accepted, based on similar data. The 'known correct' figures are those extracted from the database, and from a SAS dataset. These are checked against each other, and against 'accepted as correct' figures from previous years. Staff also refer back to original table specifica-

tions, where necessary. An example is deaths by underlying cause and inquest verdict (table 23 in volume DH4 for 1998). One check here would be with the corresponding table for 1997, and another (of the marginal totals) with frequency counts already accepted for 1998.

- (b) checks of individual cells in at least part of a table against correct figures, as in (a).
- (c) an overall check of figures for consistency and 'sense', i.e. do the numbers look sensible, and are they what would be expected from the previous year's tables and underlying secular trends?

These checks are carried out by the Primary Mortality Outputs team in Vital Statistics Outputs Branch of Population and Vital Statistics division, supervised by a statistician, and in consultation with a medical epidemiologist.

#### 4.11 Analysis of ill-defined causes of death

Although the majority of deaths can be described accurately in terms of the causes leading sequentially to death, there are a few which can not be accurately and precisely classified as regards underlying cause. This may arise from the certifier using vague or unhelpful terms to describe the causes, or from the certifier simply not knowing what the causes were. Sometimes it may be possible to throw light on the latter from later investigation, such as a post-mortem or laboratory tests, and this may result from the coroner's enquiries or from hospital investigations where the certifier has used Box B (see section 2.12). The extent to which deaths are ascribed to ill-defined

causes will depend on circumstances which affects what the certifier writes on the certificate – for example, when the instructions in books of certificates are amended, or which deaths are referred to the coroner.

Chapter XVI of ICD9 viz 'Symptoms, signs and ill-defined conditions' is intended for deaths where 'no diagnosis classifiable elsewhere is recorded'. Within this chapter, codes 780-789 cover symptoms, codes 790-796 include nonspecific abnormal findings, and codes 797-799 ill-defined and unknown causes of morbidity and mortality.

None of these conditions are selected as the underlying cause of death if any more specific condition is mentioned anywhere on the death certificate<sup>40</sup>. Deaths assigned to 'other unknown and unspecified cause' (799.9) have generally been subject to both post-mortem and coroner's inquest but the certifier has stated that the cause was 'unascertainable'. These deaths also include some (in the elderly) with inconsistent information about the medical condition (usually bronchopneumonia) and its duration (usually more than one year), which the coding software interprets as an absence of meaningful information.

Elsewhere in the ICD the fourth digit 9 is often used to classify conditions where not enough detail is known or given – for instance, code 593.9 (other diseases of kidney and ureter, unspecified). Other codes in chapter X (diseases of the genitourinary system) refer to specific conditions of the kidney, such as glomerulonephritis or calculus of kidney, but 593.9 is provided as a 'residual code' for kidney conditions or renal diseases which were not specified in enough detail for whatever reason.

**Table L** Age-standardised death rates for selected ill-defined conditions, 1992-98 (rates per million)

ICD9 code		1992	1993	1994	1995	1996	1997	1998
038.9	septicaemia unspecified	7.7	10.2	10.3	8.9	11.6	11.5	9.0
239.9	neoplasm of unspecified nature, site unspecified	0.2	0.2	0.3	0.2	0.2	0.2	0.1
427.5	cardiac arrest	1.5	4.4	3.4	2.8	3.5	4.0	2.7
428	heart failure	46.0	87.6	83.4	70.2	78.4	80.5	64.2
428.9	unspecified heart failure	6.8	15.6	13.6	12.9	14.1	12.4	9.9
429.9	unspecified heart disease	0.5	0.7	0.6	0.7	0.7	0.7	0.6
437.9	unspecified cerebrovascular disease	50.3	49.3	51.5	47.4	56.2	60.9	53.6
440.9	atherosclerosis generalised and unspecified	36.1	30.2	26.3	21.6	20.0	17.3	13.2
459.9	unspecified disorders of the circulatory system	1.6	0.9	1.0	0.8	0.8	0.9	0.7
519.9	unspecified disorders of circulatory system	0.2	0.6	0.3	0.2	0.3	0.2	0.1
537.9	unspecified disorders of stomach and duodenum	0.2	0.3	0.5	0.3	0.5	0.3	0.2
572.8	other sequelae of chronic liver disease	0.8	2.6	2.1	1.9	2.5	2.2	1.6
573.9	unspecified disorders of liver	1.1	0.5	0.9	0.7	0.9	1.1	1.1
575.9	unspecified disorders of gallbladder	0.5	0.4	0.5	0.3	0.6	0.6	0.3
584	acute renal failure	2.5	6.2	6.2	5.0	6.1	6.1	4.2
585	chronic renal failure	10.3	15.5	15.1	12.0	13.6	12.4	10.2
586	unspecified renal failure	8.0	17.3	15.5	11.8	13.8	13.5	10.3
593.9	unspecified disorders of kidney	1.8	1.3	1.2	1.3	1.9	1.9	1.6
779.8	other & ill-defined perinatal conditions	0.0	0.5	0.1	0.0	0.1	0.0	0.0
780-799	symptoms, signs and ill-defined conditions	69.6	84.0	94.2	110.7	121.8	136.3	145.1
780-789	symptoms	0.7	1.0	0.9	1.0	1.1	1.0	0.8
797	senility without mention of psychosis	50.2	63.6	72.8	91.2	100.1	112.4	124.4
798.0	sudden infant death syndrome	10.6	9.1	8.7	7.4	8.3	8.0	5.8
798.1	instantaneous death	0.0	0.4	0.6	0.7	0.6	0.8	1.2
799	other ill-defined and unknown causes of morbidity and mortality	5.3	9.8	11.0	10.3	11.6	14.1	12.9
799.9	other unknown and unspecified causes	4.2	8.5	9.5	8.7	10.3	12.6	11.6



To illustrate the extent of these coding assignments **Table L** shows recent trends in deaths with underlying cause assigned to certain conditions regarded as ill-defined. They are presented as age-standardised rates (per million population) for the years 1992 to 1998. The table includes conditions in chapter XVI, as well as various others regarded as vague or ill-defined. There is provision in ICD9 for many more conditions with unspecified detail, using fourth digit 9, but most have very few or no deaths assigned to them and are not included here. The European standard population was used in this analysis (see section 2.7).

Given that the age-standardised rate for all deaths was about 7,000 per million in 1998, the level of mortality from ill-defined causes is very low. The two conditions with highest levels in this group are heart failure (ICD9 428), and senility without mention of psychosis (797), where mortality has been rising in recent years. Mortality from unspecified cerebrovascular disease (437.9) is also relatively high, but is at a steady level, while that from atherosclerosis general and unspecified (440.9) was high earlier in the decade but has declined in recent years. Note that the year 1992 is included in the analysis to show the effects, if any, of moving to automated cause coding in 1993 (see section 3.1).

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39. TRACER - Target Recognition of Automatically Coded Entity References. This routine converts text from death certificates to 'entity codes', to ensure that all synonyms are correctly assigned before final coding to the ICD.
40. WHO *op cit* pp 706-707.

**Table 1 Estimated resident population (1991 Census-based): sex and age, as at 30 June 1998**

**England and Wales**  
*thousands*

Age	Persons	Males	Females	Age	Persons	Males	Females
<b>All ages</b>	<b>52,427.9</b>	<b>25,816.7</b>	<b>26,611.2</b>				
<b>0-4</b>	<b>3,248.2</b>	<b>1,665.8</b>	<b>1,582.5</b>	<b>50-54</b>	<b>3,500.1</b>	<b>1,746.3</b>	<b>1,753.8</b>
0	633.0	324.2	308.8	50	760.7	379.7	381.1
1	651.3	334.0	317.3	51	829.2	415.2	414.0
2	637.5	327.3	310.2	52	642.7	320.2	322.5
3	651.5	334.0	317.5	53	632.8	314.9	317.9
4	674.9	346.3	328.5	54	634.7	316.3	318.3
<b>5-9</b>	<b>3,456.8</b>	<b>1,771.2</b>	<b>1,685.6</b>	<b>55-59</b>	<b>2,709.4</b>	<b>1,345.2</b>	<b>1,364.2</b>
5	672.7	344.7	328.0	55	600.0	298.8	301.2
6	698.4	357.7	340.7	56	546.3	271.9	274.4
7	706.1	361.4	344.7	57	501.6	249.0	252.6
8	691.9	354.8	337.1	58	529.2	262.6	266.7
9	687.7	352.5	335.2	59	532.3	263.0	269.3
<b>10-14</b>	<b>3,336.5</b>	<b>1,712.8</b>	<b>1,623.7</b>	<b>60-64</b>	<b>2,489.9</b>	<b>1,224.0</b>	<b>1,265.9</b>
10	695.1	356.8	338.4	60	525.4	259.5	265.9
11	674.1	345.8	328.3	61	511.6	252.6	259.0
12	666.5	342.6	323.9	62	499.7	245.3	254.4
13	663.8	340.7	323.1	63	485.9	238.6	247.3
14	637.0	327.0	310.1	64	467.2	227.9	239.3
<b>15-19</b>	<b>3,218.7</b>	<b>1,653.6</b>	<b>1,565.1</b>	<b>65-69</b>	<b>2,314.7</b>	<b>1,100.0</b>	<b>1,214.7</b>
15	640.5	329.4	311.2	65	462.5	223.8	238.8
16	639.4	329.0	310.4	66	469.5	226.8	242.7
17	649.6	333.2	316.5	67	473.3	225.2	248.1
18	655.6	336.4	319.2	68	463.6	217.3	246.3
19	633.5	325.6	307.9	69	445.7	206.9	238.8
<b>20-24</b>	<b>3,084.1</b>	<b>1,579.4</b>	<b>1,504.7</b>	<b>70-74</b>	<b>2,085.7</b>	<b>939.6</b>	<b>1,146.1</b>
20	588.8	302.2	286.6	70	432.6	199.7	232.8
21	582.3	298.8	283.4	71	427.6	195.7	231.9
22	609.9	312.2	297.8	72	423.2	192.0	231.2
23	638.8	326.7	312.1	73	406.8	180.2	226.5
24	664.4	339.5	324.9	74	395.6	171.9	223.7
<b>25-29</b>	<b>3,883.4</b>	<b>1,993.9</b>	<b>1,889.5</b>	<b>75-79</b>	<b>1,781.2</b>	<b>728.3</b>	<b>1,052.9</b>
25	712.6	365.6	347.0	75	384.7	163.5	221.2
26	758.1	389.8	368.3	76	385.7	161.6	224.1
27	798.9	409.4	389.5	77	386.5	157.3	229.2
28	793.0	408.3	384.7	78	382.3	152.4	229.9
29	820.8	420.8	400.0	79	242.1	93.6	148.5
<b>30-34</b>	<b>4,294.1</b>	<b>2,196.2</b>	<b>2,097.9</b>	<b>80-84</b>	<b>1,089.6</b>	<b>384.9</b>	<b>704.7</b>
30	824.5	421.7	402.8	80	217.9	81.6	136.4
31	847.9	433.5	414.3	81	227.5	83.2	144.2
32	864.4	441.9	422.5	82	226.6	80.5	146.1
33	879.5	449.9	429.6	83	218.5	74.1	144.3
34	877.7	449.1	428.6	84	199.1	65.4	133.7
<b>35-39</b>	<b>4,035.3</b>	<b>2,053.2</b>	<b>1,982.1</b>	<b>85-89</b>	<b>669.0</b>	<b>197.5</b>	<b>471.5</b>
35	858.4	438.3	420.1	85	174.7	56.0	118.7
36	836.0	426.0	410.0	86	151.1	46.3	104.8
37	812.9	414.7	398.1	87	132.4	38.7	93.7
38	773.9	393.8	380.1	88	113.2	31.2	82.0
39	754.2	380.5	373.7	89	97.6	25.3	72.3
<b>40-44</b>	<b>3,479.8</b>	<b>1,749.7</b>	<b>1,730.0</b>	<b>90 and over</b>	<b>347.7</b>	<b>71.9</b>	<b>275.7</b>
40	736.9	371.4	365.5				
41	713.3	358.9	354.4	<b>All ages</b>			
42	686.8	345.3	341.6	<b>under 16</b>	<b>10,682.0</b>	<b>5,479.1</b>	<b>5,202.9</b>
43	666.3	334.9	331.4				
44	676.5	339.3	337.1	<b>All ages</b>	<b>11,971.1</b>	<b>6,141.3</b>	<b>5,829.8</b>
				<b>under 18</b>			
<b>45-49</b>	<b>3,403.8</b>	<b>1,703.1</b>	<b>1,700.7</b>	<b>16-44</b>	<b>21,354.9</b>	<b>10,896.7</b>	<b>10,458.1</b>
45	672.1	337.1	335.1				
46	659.2	329.4	329.8	<b>45-64/59*</b>	<b>10,837.3</b>	<b>6,018.6</b>	<b>4,818.6</b>
47	670.6	336.2	334.4				
48	689.4	344.2	345.1	<b>65/60 and</b>			
49	712.5	356.2	356.3	<b>over**</b>	<b>9,553.7</b>	<b>3,422.2</b>	<b>6,131.5</b>

\* 45-64 for males; 45-59 for females

\*\* 65 and over for males; 60 and over for females

Note : Figures may not add exactly due to rounding.

Population Series DH1 no. 31

To link to Excel version of the table - click on red box surrounding the table title

**Table 2 Estimated resident population (1991 Census based):  
sex and age-group by area of usual residence, as at 30 June 1998**

Area		All ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
<b>England and Wales</b>	<b>M</b>	<b>25,816.7</b>	<b>324.2</b>	<b>1,341.6</b>	<b>1,771.2</b>	<b>1,712.8</b>	<b>1,653.6</b>	<b>1,579.4</b>	<b>1,993.9</b>	<b>2,196.2</b>	<b>2,053.2</b>
	<b>F</b>	<b>26,611.2</b>	<b>308.8</b>	<b>1,273.6</b>	<b>1,685.6</b>	<b>1,623.7</b>	<b>1,565.1</b>	<b>1,504.7</b>	<b>1,889.5</b>	<b>2,097.9</b>	<b>1,982.1</b>
<b>England</b>	<b>M</b>	<b>24,378.0</b>	<b>307.0</b>	<b>1,269.7</b>	<b>1,672.5</b>	<b>1,612.7</b>	<b>1,558.3</b>	<b>1,494.1</b>	<b>1,890.7</b>	<b>2,087.4</b>	<b>1,948.3</b>
	<b>F</b>	<b>25,116.5</b>	<b>292.3</b>	<b>1,205.4</b>	<b>1,591.8</b>	<b>1,528.5</b>	<b>1,474.5</b>	<b>1,427.0</b>	<b>1,794.0</b>	<b>1,992.7</b>	<b>1,878.1</b>
<b>Wales</b>	<b>M</b>	<b>1,438.6</b>	<b>17.2</b>	<b>71.9</b>	<b>98.6</b>	<b>100.1</b>	<b>95.3</b>	<b>85.4</b>	<b>103.2</b>	<b>108.8</b>	<b>104.9</b>
	<b>F</b>	<b>1,494.7</b>	<b>16.5</b>	<b>68.3</b>	<b>93.8</b>	<b>95.2</b>	<b>90.6</b>	<b>77.7</b>	<b>95.5</b>	<b>105.1</b>	<b>104.0</b>
<b>Government office regions</b>											
North East	M	1,268.4	14.8	62.9	86.8	88.0	86.6	77.9	91.3	100.0	99.3
	F	1,321.2	14.0	60.0	82.4	83.7	81.9	72.5	87.4	99.9	99.0
North West	M	3,384.1	41.4	174.5	241.1	236.4	222.3	202.0	263.3	278.2	262.9
	F	3,506.7	39.5	166.0	228.4	225.4	212.6	190.8	245.7	267.6	258.2
Yorkshire and the Humber	M	2,489.5	30.6	128.1	173.4	168.3	162.0	157.1	185.6	210.4	198.5
	F	2,553.4	29.1	122.3	164.9	159.9	152.3	144.2	172.7	197.5	189.5
East Midlands	M	2,063.0	24.6	103.7	140.3	137.5	131.8	123.9	154.7	169.3	159.8
	F	2,106.3	23.3	98.3	132.9	129.5	124.2	117.0	147.8	162.7	155.3
West Midlands	M	2,638.9	33.5	138.4	185.0	180.7	172.7	156.6	200.5	217.2	201.9
	F	2,693.6	31.8	131.6	176.1	170.7	163.7	147.1	187.9	206.9	193.9
East	M	2,654.2	32.9	137.9	180.1	171.0	163.5	151.9	218.2	219.1	203.0
	F	2,722.8	31.3	131.1	172.2	162.5	155.5	144.0	207.9	211.8	195.7
London	M	3,547.9	53.2	206.6	244.9	216.9	218.1	267.8	295.7	368.3	333.6
	F	3,639.3	50.6	194.8	234.7	206.3	209.2	266.6	288.9	349.4	313.0
South East	M	3,934.3	48.7	202.0	265.4	257.6	250.4	220.6	305.2	335.1	311.4
	F	4,069.5	46.3	191.6	252.1	243.4	234.5	216.8	292.5	316.9	299.2
South West	M	2,397.7	27.4	115.6	155.5	156.3	150.8	136.2	176.1	190.0	178.0
	F	2,503.6	26.3	109.6	148.2	147.1	140.6	128.0	163.3	180.0	174.3
<b>Regional offices</b>											
Northern and Yorkshire	M	3,116.8	37.5	157.9	214.7	213.0	208.0	195.1	227.5	253.6	244.9
	F	3,222.3	35.7	150.2	205.2	202.5	196.0	181.6	213.5	244.9	238.7
Trent	M	2,540.7	30.2	127.6	172.8	168.1	160.7	152.8	191.9	211.9	199.6
	F	2,593.1	28.6	120.8	162.8	159.2	151.1	140.6	183.3	200.3	191.5
Anglia and Oxford	M	2,708.2	33.8	142.0	187.3	178.8	173.9	158.3	222.9	230.3	215.3
	F	2,744.1	32.3	134.7	177.9	168.7	163.7	152.3	212.1	220.8	204.0
North Thames	M	3,487.6	49.7	196.4	238.8	218.7	218.3	246.0	285.7	334.6	304.0
	F	3,564.4	47.3	185.9	228.7	207.0	207.6	238.9	277.0	317.8	287.4
South Thames	M	3,370.8	44.7	180.1	228.3	212.3	203.3	200.7	265.4	307.8	282.4
	F	3,537.9	42.7	171.3	217.2	201.2	195.0	202.9	259.5	296.4	273.8
South and West	M	3,272.9	37.8	159.5	213.7	213.7	207.6	189.4	244.7	264.7	247.7
	F	3,399.4	36.0	150.9	204.2	202.0	192.8	178.9	225.4	248.4	240.5
West Midlands	M	2,638.9	33.5	138.4	185.0	180.7	172.7	156.6	200.5	217.2	201.9
	F	2,693.6	31.8	131.6	176.1	170.7	163.7	147.1	187.9	206.9	193.9
North West	M	3,242.2	39.8	167.8	231.9	227.5	213.8	195.1	252.0	267.2	252.5
	F	3,361.8	38.0	160.0	219.8	217.1	204.6	184.7	235.2	257.3	248.2
Wales	M	1,438.6	17.2	71.9	98.6	100.1	95.3	85.4	103.2	108.8	104.9
	F	1,494.7	16.5	68.3	93.8	95.2	90.6	77.7	95.5	105.1	104.0

Note: Figures may not add exactly due to rounding.

**England and Wales, England, Wales,  
government office regions, regional offices**  
*thousands*

40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 and over	Area	
<b>1,749.7</b>	<b>1,703.1</b>	<b>1,746.3</b>	<b>1,345.2</b>	<b>1,224.0</b>	<b>1,100.0</b>	<b>939.6</b>	<b>728.3</b>	<b>384.9</b>	<b>269.4</b>	<b>M</b>	<b>England and Wales</b>
<b>1,730.0</b>	<b>1,700.7</b>	<b>1,753.8</b>	<b>1,364.2</b>	<b>1,265.9</b>	<b>1,214.7</b>	<b>1,146.1</b>	<b>1,052.9</b>	<b>704.7</b>	<b>747.3</b>	<b>F</b>	
<b>1,655.1</b>	<b>1,606.5</b>	<b>1,647.6</b>	<b>1,265.3</b>	<b>1,150.5</b>	<b>1,032.9</b>	<b>880.3</b>	<b>683.5</b>	<b>361.7</b>	<b>253.9</b>	<b>M</b>	<b>England</b>
<b>1,635.6</b>	<b>1,603.5</b>	<b>1,654.0</b>	<b>1,282.9</b>	<b>1,189.4</b>	<b>1,140.3</b>	<b>1,073.9</b>	<b>987.6</b>	<b>661.5</b>	<b>703.5</b>	<b>F</b>	
<b>94.6</b>	<b>96.6</b>	<b>98.7</b>	<b>80.0</b>	<b>73.5</b>	<b>67.1</b>	<b>59.3</b>	<b>44.9</b>	<b>23.2</b>	<b>15.5</b>	<b>M</b>	<b>Wales</b>
<b>94.5</b>	<b>97.1</b>	<b>99.8</b>	<b>81.3</b>	<b>76.5</b>	<b>74.4</b>	<b>72.2</b>	<b>65.3</b>	<b>43.2</b>	<b>43.7</b>	<b>F</b>	
<b>Government office regions</b>											
89.5	85.9	85.5	65.7	63.7	58.4	49.3	35.7	16.5	10.6	M	North East
89.0	85.8	85.0	67.9	67.5	66.0	61.2	52.7	32.6	32.7	F	
225.4	225.4	229.0	180.9	164.7	144.7	122.2	91.8	46.3	31.7	M	North West
224.5	221.3	228.6	184.1	171.7	162.9	153.2	139.3	91.2	95.8	F	
169.0	164.0	167.4	128.7	119.3	104.9	92.0	69.9	35.5	24.8	M	Yorkshire And The Humber
165.2	162.0	167.0	129.7	126.0	118.7	112.2	101.1	67.8	71.3	F	
139.2	140.5	146.1	110.8	99.4	90.2	78.6	60.7	31.2	20.5	M	East Midlands
138.1	138.8	144.0	109.5	101.2	97.8	93.0	82.8	54.3	55.7	F	
175.1	174.5	180.3	144.7	129.2	115.9	98.2	72.9	37.6	24.1	M	West Midlands
171.7	172.5	178.2	143.4	131.3	125.7	116.8	107.2	69.1	68.0	F	
179.1	178.1	188.5	138.8	127.8	116.2	98.6	78.3	42.0	29.2	M	East
175.9	177.6	188.7	140.4	130.3	125.9	117.3	108.2	71.8	74.4	F	
247.7	213.2	202.6	159.0	142.0	122.7	100.8	78.9	43.1	32.7	M	London
243.5	216.6	211.2	164.8	145.6	132.9	123.8	114.8	81.1	91.6	F	
271.8	265.5	278.7	205.9	185.3	166.9	140.7	113.0	63.7	46.5	M	South East
267.0	266.3	279.7	209.8	190.8	184.6	173.6	164.9	114.0	125.6	F	
158.4	159.3	169.6	130.8	119.2	112.9	99.8	82.2	45.8	33.7	M	South West
160.5	162.7	171.5	133.2	125.1	125.7	122.8	116.5	79.6	88.5	F	
<b>Regional offices</b>											
215.3	209.8	210.7	161.5	152.6	137.2	117.3	87.6	42.9	29.6	M	Northern and Yorkshire
212.3	208.2	209.7	165.0	161.4	155.0	144.9	127.7	83.0	86.8	F	
170.4	169.4	176.2	136.1	123.9	111.9	98.6	75.3	38.5	25.0	M	Trent
168.5	166.4	174.5	135.2	128.5	122.9	116.6	104.3	68.7	69.3	F	
186.7	183.3	188.7	139.1	125.2	110.9	92.4	72.9	38.8	27.6	M	Anglia and Oxford
182.2	182.6	187.0	139.0	124.7	117.9	108.7	100.0	66.0	69.6	F	
241.4	218.4	215.7	165.7	150.3	131.2	109.0	84.3	46.0	33.6	M	North Thames
235.8	219.8	222.4	169.9	152.9	141.7	130.4	120.1	83.0	90.8	F	
232.7	219.0	226.9	169.2	151.9	137.8	117.4	96.1	54.4	40.2	M	South Thames
230.8	221.5	230.8	174.8	159.5	155.3	149.1	142.3	100.3	113.4	F	
217.8	216.9	230.5	176.5	160.3	150.5	131.2	107.0	59.6	43.6	M	South and West
219.2	221.0	232.8	179.8	167.6	167.0	161.3	153.2	104.3	114.0	F	
175.1	174.5	180.3	144.7	129.2	115.9	98.2	72.9	37.6	24.1	M	West Midlands
171.7	172.5	178.2	143.4	131.3	125.7	116.8	107.2	69.1	68.0	F	
215.8	215.2	218.6	172.5	157.1	137.4	116.2	87.4	44.0	30.2	M	North West
215.1	211.45	218.6	175.6	163.5	155.0	145.9	132.8	87.1	91.7	F	
94.6	96.6	98.7	80.0	73.5	67.1	59.3	44.9	23.2	15.5	M	Wales
94.5	97.1	99.8	81.3	76.5	74.4	72.2	65.3	43.2	43.7	F	

To link to Excel version of the table - click on red box surrounding the table title

**Table 3 Deaths, death rates, Standardised Mortality Ratios, infant and perinatal mortality and live and stillbirth rates, 1841-1998**

England and Wales

Period	Deaths			Crude rates per 1,000 living			Standardised mortality ratios (1950-52 = 100)			Deaths of infants under 1 year per 1,000 live births†‡			Perinatal mortality rates per 1,000 total births	Live births per 1,000 population**	Stillbirth rates per 1,000 total (live and still) births
	Persons	Males	Females	P	M	F	P	M	F	Total	Within marriage	Outside marriage			
1841-1845	1,746,110	885,168	860,942	21.4	22.1	20.6	344	307	381	148	..	..	..	32.3	..
1846-1850	2,023,286	1,023,957	999,329	23.3	24.1	22.6	369	331	409	157	..	..	..	32.8	..
1851-1855	2,087,236	1,061,271	1,025,965	22.7	23.5	21.8	356	321	392	156	..	..	..	33.9	..
1856-1860	2,123,479	1,077,265	1,046,214	21.8	22.6	21.0	341	306	377	152	..	..	..	34.4	..
1861-1865	2,331,957	1,192,943	1,139,014	22.6	23.7	21.5	353	320	387	151	..	..	..	35.1	..
1866-1870	2,462,541	1,266,546	1,195,995	22.4	23.7	21.2	349	318	380	157	..	..	..	35.3	..
1871-1875	2,572,749	1,330,063	1,242,686	22.0	23.3	20.7	342	314	371	153	..	..	..	35.5	..
1876-1880	2,605,562	1,349,353	1,256,209	20.8	22.1	19.5	328	302	354	145	..	..	..	35.3	..
1881-1885	2,585,164	1,330,461	1,254,703	19.4	20.5	18.3	308	284	333	139	..	..	..	35.5	..
1886-1890	2,659,606	1,367,855	1,291,751	18.9	20.0	17.8	300	278	322	145	..	..	..	31.4	..
1891-1895	2,785,391	1,427,164	1,358,227	18.7	19.8	17.7	296	275	318	151	..	..	..	30.5	..
1896-1900	2,789,984	1,438,062	1,351,922	17.7	18.8	16.6	279	262	297	156	..	..	..	29.3	..
1901-1905	2,671,566	1,379,931	1,291,635	16.0	17.1	15.0	249	234	264	138	..	..	..	28.2	..
1906-1910	2,577,208	1,326,425	1,250,783	14.7	15.6	13.8	221	208	234	117	113	224	..	26.3	..
1911-1915*	2,598,719	1,344,171	1,254,548	14.3	15.4	13.3	205	195	215	110	105	210	..	23.9	..
1916-1920*	2,589,333	1,340,340	1,248,993	14.4	16.5	12.8	190	180	199	90	85	179	..	21.5	..
1921-1925	2,336,270	1,189,865	1,146,405	12.1	12.9	11.4	157	147	166	76	73	140	..	19.9	..
1926-1930	2,386,721	1,217,610	1,169,111	12.1	12.9	11.4	145	137	153	68	65	119	..	16.7	..
1931-1935	2,426,435	1,232,370	1,194,065	12.0	12.7	11.4	134	127	141	62	60	103	62.5	15.0	41
1936-1940*	2,565,773	1,319,242	1,246,531	12.5	13.5	11.6	128	123	132	55	54	86	59.2	14.9	38
1941-1945*	2,497,013	1,301,357	1,195,656	12.8	15.1	11.1	112	110	113	50	48	71	48.6	17.6	30
1946-1950*	2,500,640	1,284,831	1,215,809	11.8	12.8	10.9	101	99	102	36	36	51	39.8	18.4	24
1951-1955	2,571,153	1,325,747	1,245,406	11.7	12.5	10.9	97	98	95	27	27	34	37.6	15.2	23
1956-1960	2,616,963	1,344,000	1,272,963	11.6	12.3	10.9	91	94	89	23	22	28	34.9	16.4	21
1961-1965	2,766,372	1,415,447	1,350,925	11.8	12.4	11.2	90	95	87	21	20	26	29.4	18.1	17
1966-1970	2,837,466	1,448,627	1,388,839	11.7	12.4	11.2	87	92	83	18	18	25	24.6	16.9	14
1971-1975	2,914,762	1,474,783	1,439,979	11.8	12.3	11.4	84	89	80	17	16	23	21.0	13.9	12
1976-1980	2,934,749	1,475,067	1,459,682	11.9	12.2	11.5	80	84	77	13 (13)	13 (12)	18 (19)	15.6	12.3	9
1981-1985	2,896,974	1,443,291	1,453,683	11.7	11.9	11.4	75	78	73	10	9	14	10.7	12.8	6
1986-1990	2,861,323	1,407,628	1,453,695	11.4	11.5	11.3	70	72	69	9	8	12	8.7	13.6	5
1991-1995	2,830,033	1,370,879	1,459,154	11.0	10.9	11.1	67	67	67	6	6	8	8.4	13.1	5
1961	551,752	280,782	270,970	11.9	12.6	11.4	93	96	90	21	21	25	32.0	17.6	19
1962	557,636	285,154	272,482	12.0	12.6	11.3	92	96	89	22	21	27	30.8	18.0	18
1963	572,868	292,410	280,458	12.2	12.9	11.6	94	98	91	21	21	26	29.3	18.2	17
1964	534,737	274,773	259,964	11.3	12.0	10.7	86	91	82	20	19	26	28.2	18.6	16
1965	549,379	282,328	267,051	11.6	12.2	10.9	87	92	83	19	19	25	26.9	18.2	16
1966	563,624	288,622	275,002	11.8	12.4	11.2	89	94	85	19	19	25	26.3	17.8	15
1967	542,516	277,178	265,338	11.3	11.9	10.7	84	88	80	18	18	24	25.4	17.3	15
1968	576,754	293,213	283,541	11.9	12.5	11.4	88	93	85	18	18	23	24.7	17.0	14
1969	579,378	296,561	282,817	11.9	12.6	11.3	88	93	83	18	17	26	23.0	16.4	13
1970	575,194	293,053	282,141	11.8	12.4	11.3	86	91	82	18	17	26	23.5	16.1	13
1971	567,262	288,359	278,903	11.5	12.1	11.0	83	88	79	18	17	25	22.3	15.9	12
1972	591,889	300,389	291,500	12.0	12.5	11.5	86	91	82	17	17	22	21.7	14.7	12
1973	587,478	296,546	290,932	11.9	12.3	11.5	85	89	81	17	16	23	21.0	13.7	12
1974	585,292	295,315	289,977	11.8	12.3	11.4	84	89	80	16	16	23	20.4	12.9	11
1975	582,841	294,174	288,667	11.8	12.2	11.4	83	87	79	16 (15)	15 (14)	23 (24)	19.3	12.2	10
1976	598,516	300,058	298,458	12.1	12.5	11.8	84	88	81	14 (14)	14 (13)	21 (21)	17.7	11.8	10
1977	575,928	289,773	286,155	11.6	12.0	11.3	80	84	77	14 (14)	13 (13)	19 (20)	17.0	11.5	9
1978	585,901	295,505	290,396	11.9	12.3	11.4	80	85	77	13 (13)	13 (12)	17 (18)	15.5	12.1	8
1979	593,019	297,862	295,157	12.0	12.4	11.6	80	84	77	13 (13)	12 (12)	18 (19)	14.7	12.9	8
1980	581,385	291,869	289,516	11.7	12.1	11.4	78	81	74	12 (12)	11 (11)	16 (17)	13.3	13.2	7
1981	577,890	289,022	288,868	11.6	12.0	11.3	76	80	73	11	10	15	11.8	12.8	7
1982	581,861	290,166	291,695	11.7	12.0	11.5	76	79	74	11	10	15	11.3	12.6	6
1983	579,608	289,419	290,189	11.7	12.0	11.4	75	78	72	10	9	13	10.4	12.7	6
1984	566,881	282,357	284,524	11.4	11.6	11.1	73	76	70	9	9	12	10.1	12.8	6
1985	590,734	292,327	298,407	11.8	12.0	11.7	75	77	73	9	8	12	9.8	13.1	6
1986	581,203	287,894	293,309	11.6	11.8	11.4	73	75	71	9	8	13	9.6	13.2	5
1987	566,994	280,177	286,817	11.3	11.4	11.1	70	72	68	9	8	12	8.9	13.6	5
1988	571,408	280,931	290,477	11.3	11.4	11.3	70	71	69	9	8	12	8.7	13.8	5
1989	576,872	281,290	295,582	11.4	11.4	11.4	70	71	69	8	7	11	8.3	13.6	5
1990	564,846	277,336	287,510	11.1	11.2	11.1	68	69	67	8	7	10	8.1	13.9	5
1991	570,044	277,582	292,462	11.1	11.1	11.2	68	68	68	7	6	9	8.0	13.7	5
1992	558,313	271,732	286,581	10.9	10.8	10.9	66	67	66	6	6	8	7.5	13.4	4
1993	578,799	279,561	299,238	11.3	11.1	11.4	69	68	69	6	6	8	8.9	13.1	6
1994	553,194	267,555	285,639	10.7	10.6	10.9	66	65	66	6	5	8	8.9	12.9	6
1995	569,683	274,449	295,234	11.0	10.8	11.2	67	66	67	6	5	8	8.7	12.5	6
1996	560,135	268,682	291,453	10.8	10.5	11.0	65	64	66	6	5	7	8.5	12.5	5
1997	555,281	264,865	290,416	10.6	10.3	10.9	64	62	65	6	5	7	8.3	12.3	5
1998	555,015	264,707	290,308	10.6	10.3	10.9	63	61	65	6	5	7	8.2	12.1	5

\* For the years 1915 to 1920 and from 3 September 1939 to 31 December 1949 for males, and from 1 June 1941 to 31 December 1949 for females, the mortality rates are based upon civilians only, but, as in other years, the number of deaths include those of non-civilians registered in England and Wales. For the years 1915 to 1920, live birth rates are based on civilian population, whereas for other years they are based on home population.

† Based on related live births from 1931 to 1956.

\*\* Based on numbers registered up to 1938 inclusive and on the number of occurrences from 1939.

‡ See section 2.7 for explanation of rates in brackets.



To link to Excel version of the table - click on red box surrounding the table title

Series DH1 no. 31 Trends

**Table 4 Death rates per 1,000 population within sex and age-groups, and infant mortality rates per 1,000 live births, 1841-1998**

England and Wales

Period	Persons													
	All ages	Deaths under 1 year per 1,000 live births†	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over
1841-1845	21.4	148	..	8.7	5.0	7.2	8.8	9.7	12.2	16.1	28.7	62.0	137.2	295.3
1846-1850	23.3	157	..	9.4	5.6	7.7	9.8	10.9	13.6	18.1	31.4	65.9	145.7	306.5
1851-1855	22.7	156	..	8.6	5.2	7.5	9.1	10.1	12.7	17.2	29.6	62.9	143.2	299.6
1856-1860	21.8	152	..	8.3	4.7	6.7	8.3	9.4	12.0	16.1	28.4	61.0	136.7	293.4
1861-1865	22.6	151	36.8	8.4	4.7	6.6	8.4	9.8	12.6	17.2	30.3	62.5	139.1	299.0
1866-1870	22.4	157	35.9	7.6	4.3	6.2	8.0	9.9	12.9	17.6	30.6	63.2	141.7	294.3
1871-1875	22.0	153	30.4	6.9	4.0	5.8	7.7	9.6	13.1	18.0	31.6	65.3	141.7	305.2
1876-1880	20.8	145	31.9	6.1	3.5	4.9	6.5	8.4	12.3	17.5	31.6	64.7	142.9	311.5
1881-1885	19.4	139	27.2	5.8	3.2	4.6	6.0	8.0	11.8	17.2	31.0	63.5	136.2	277.9
1886-1890	18.9	145	26.5	4.9	2.8	4.1	5.3	7.2	11.1	17.1	31.8	66.4	139.0	290.1
1891-1895	18.7	151	24.9	4.6	2.7	4.0	5.0	6.8	11.0	17.3	32.5	67.3	140.7	273.9
1896-1900	17.7	156	23.6	4.1	2.4	3.5	4.5	6.0	10.1	16.2	30.5	62.9	133.8	267.7
1901-1905	16.0	138	19.7	3.7	2.2	3.1	4.0	5.4	8.9	14.9	28.7	59.4	127.3	258.6
1906-1910	14.7	117	17.2	3.4	2.0	2.9	3.6	4.8	7.8	13.7	27.5	58.1	127.0	262.4
1911-1915*	14.3	110	16.2	3.4	2.1	2.9	3.6	4.6	7.3	13.1	26.2	57.3	126.2	257.9
1916-1920*	14.4	90	14.6	3.8	2.5	3.8	5.2	6.6	7.5	12.1	24.0	54.5	124.8	250.7
1921-1925	12.1	76	10.2	2.5	1.7	2.6	3.3	3.8	5.7	10.1	21.6	51.1	121.8	251.4
1926-1930	12.1	68	8.6	2.4	1.6	2.5	3.1	3.5	5.4	9.9	21.0	50.6	120.2	268.2
1931-1935	12.0	62	6.6	2.2	1.4	2.3	3.0	3.2	4.8	9.4	20.1	49.0	119.3	255.7
1936-1940*	12.5	55	4.7	1.8	1.2	2.0	2.7	2.9	4.4	9.1	20.4	48.5	119.7	263.4
1941-1945*	12.8	50	3.5	1.5	1.1	2.0	3.1	3.0	4.0	8.0	18.1	43.0	104.5	213.0
1946-1950*	11.8	36	1.8	0.8	0.6	1.2	1.6	1.8	2.9	6.9	17.1	41.9	103.5	219.3
1951-1955	11.7	27	1.1	0.5	0.4	0.7	1.0	1.2	2.4	6.4	16.6	42.0	105.7	235.7
1956-1960	11.6	23	0.9	0.4	0.3	0.6	0.8	1.0	2.1	5.9	15.9	40.1	99.7	221.0
1961-1965	11.8	21	0.9	0.4	0.3	0.7	0.8	0.9	2.1	5.9	15.8	39.6	96.7	220.2
1966-1970	11.7	18	0.8	0.4	0.3	0.7	0.7	0.8	2.0	5.7	15.4	38.4	90.4	216.7
1971-1975	11.8	17	0.7	0.3	0.3	0.6	0.7	0.8	1.9	5.8	14.9	36.9	87.8	201.0
1976-1980	11.9	13	0.5	0.3	0.3	0.6	0.7	0.7	1.7	5.4	14.1	35.2	83.9	195.9
1981-1985	11.7	10	0.5	0.2	0.2	0.5	0.6	0.7	1.5	4.6	13.4	33.4	78.2	186.3
1986-1990	11.4	9	0.4	0.2	0.2	0.5	0.6	0.7	1.4	4.0	12.1	30.6	73.3	169.6
1991-1995	11.0	7	0.3	0.1	0.2	0.4	0.6	0.7	1.4	3.5	10.3	28.6	70.0	163.0
1961	11.9	21	0.9	0.4	0.3	0.7	0.8	0.9	2.1	5.9	16.0	40.5	100.8	226.9
1962	12.0	22	0.9	0.4	0.3	0.6	0.8	0.9	2.1	5.8	16.1	40.3	99.9	227.9
1963	12.2	21	0.9	0.4	0.3	0.6	0.8	0.9	2.1	6.0	16.2	40.9	101.9	235.5
1964	11.3	20	0.8	0.4	0.3	0.7	0.8	0.9	2.1	5.9	15.4	37.8	90.3	203.0
1965	11.6	19	0.8	0.4	0.4	0.7	0.8	0.9	2.2	5.9	15.5	38.3	91.0	210.0
1966	11.8	19	0.8	0.4	0.3	0.8	0.8	0.9	2.1	5.9	15.5	38.8	93.6	219.5
1967	11.3	18	0.8	0.4	0.4	0.7	0.7	0.8	2.0	5.6	15.0	37.1	86.9	205.3
1968	11.9	18	0.8	0.4	0.3	0.6	0.7	0.8	2.0	5.7	15.4	38.6	93.1	228.5
1969	11.9	18	0.8	0.3	0.3	0.7	0.7	0.8	2.1	5.9	15.7	39.4	90.0	214.2
1970	11.8	18	0.7	0.3	0.3	0.6	0.7	0.8	2.0	5.7	15.3	38.3	88.5	216.3
1971	11.5	18	0.7	0.4	0.3	0.7	0.7	0.8	2.0	5.7	14.8	36.4	86.6	197.5
1972	12.0	17	0.7	0.4	0.3	0.6	0.7	0.8	1.9	5.8	15.2	38.0	89.9	204.7
1973	11.9	17	0.7	0.3	0.3	0.6	0.7	0.8	1.9	5.8	15.0	37.1	89.1	202.7
1974	11.8	16	0.7	0.3	0.3	0.6	0.7	0.8	1.9	5.8	15.0	36.8	87.2	200.7
1975	11.8	16	0.6	0.3	0.3	0.6	0.7	0.8	1.8	5.7	14.6	36.1	86.5	199.2
1976	12.1	14	0.6	0.3	0.3	0.6	0.7	0.7	1.8	5.6	14.7	36.5	88.4	208.0
1977	11.6	14	0.6	0.3	0.2	0.6	0.7	0.7	1.7	5.4	14.1	35.2	83.4	192.5
1978	11.9	13	0.6	0.3	0.3	0.6	0.7	0.8	1.7	5.5	14.1	35.3	83.5	193.1
1979	12.0	13	0.5	0.3	0.3	0.6	0.7	0.8	1.7	5.4	14.1	35.1	83.9	196.5
1980	11.7	12	0.5	0.3	0.2	0.6	0.6	0.7	1.6	5.1	13.8	34.1	80.8	189.9
1981	11.6	11	0.5	0.2	0.2	0.6	0.6	0.7	1.6	5.0	13.4	33.5	79.7	189.4
1982	11.7	11	0.5	0.2	0.2	0.5	0.6	0.7	1.5	4.8	13.4	33.7	79.6	188.6
1983	11.7	10	0.4	0.2	0.2	0.5	0.6	0.7	1.4	4.6	13.4	33.6	78.2	186.5
1984	11.4	9	0.4	0.2	0.2	0.5	0.6	0.7	1.4	4.5	13.2	32.9	75.2	178.8
1985	11.8	9	0.5	0.2	0.2	0.5	0.6	0.7	1.4	4.4	13.3	33.0	78.3	188.5
1986	11.6	10	0.4	0.2	0.2	0.5	0.6	0.7	1.4	4.3	12.8	32.0	76.4	181.3
1987	11.3	9	0.4	0.2	0.2	0.5	0.6	0.7	1.4	4.1	12.5	30.9	73.2	166.6
1988	11.3	9	0.4	0.2	0.2	0.5	0.6	0.7	1.4	4.0	12.2	30.7	72.8	168.6
1989	11.4	8	0.4	0.2	0.2	0.5	0.6	0.7	1.4	3.9	11.7	30.2	73.3	170.7
1990	11.1	8	0.4	0.2	0.2	0.5	0.6	0.7	1.4	3.8	11.4	29.4	71.0	162.7
1991	11.1	7	0.4	0.2	0.2	0.5	0.6	0.7	1.4	3.7	10.9	29.1	70.8	166.6
1992	10.9	7	0.3	0.2	0.2	0.4	0.6	0.7	1.4	3.5	10.6	28.6	69.1	159.7
1993	11.3	6	0.3	0.1	0.2	0.4	0.6	0.7	1.4	3.5	10.5	29.2	72.0	167.8
1994	10.7	6	0.3	0.1	0.2	0.4	0.6	0.7	1.4	3.3	9.8	28.0	69.1	157.1
1995	11.0	6	0.3	0.1	0.2	0.4	0.6	0.7	1.4	3.4	9.7	28.1	69.3	163.9
1996	10.8	6	0.3	0.1	0.2	0.4	0.6	0.7	1.3	3.3	9.5	27.0	66.9	161.4
1997	10.6	6	0.3	0.1	0.2	0.4	0.6	0.7	1.3	3.3	9.2	26.2	65.3	161.8
1998	10.6	6	0.3	0.1	0.1	0.4	0.6	0.7	1.3	3.3	9.0	25.7	64.5	160.9

\* Civilian mortality only in 1915-1920 and from 3 September 1939 to 31 December 1949 for males, and from 1 June 1941 to 31 December 1949 for females: see also section 2.1.

† Based on related live births from 1931 to 1956.



Table 4 (rates) - continued

England and Wales

Period	Males													
	All ages	Deaths under 1 year per 1,000 live births†	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over
1841-1845	22.1	162	..	8.8	4.8	6.8	9.0	9.4	12.2	17.2	30.3	65.5	143.7	305.1
1846-1850	24.1	172	..	9.5	5.4	7.4	10.0	10.5	13.6	19.2	33.2	69.5	152.9	319.5
1851-1855	23.5	172	..	8.8	5.2	7.0	9.2	10.0	12.9	18.6	31.6	66.7	150.9	310.9
1856-1860	22.6	166	..	8.3	4.6	6.4	8.4	9.2	12.2	17.5	30.4	64.3	142.7	305.3
1861-1865	23.7	166	37.3	8.5	4.7	6.4	8.7	9.8	13.2	18.9	32.8	66.4	145.9	316.6
1866-1870	23.7	170	36.4	7.9	4.3	6.0	8.3	10.1	13.7	19.6	33.5	67.8	148.7	313.5
1871-1875	23.3	167	31.0	7.1	4.0	5.7	8.1	10.0	14.3	20.3	34.8	70.1	149.6	323.3
1876-1880	22.1	159	32.8	6.3	3.4	4.8	6.7	8.7	13.4	19.8	34.9	69.4	152.2	331.5
1881-1885	20.5	152	27.9	5.9	3.2	4.5	6.0	8.2	12.8	19.3	34.2	68.8	145.4	297.9
1886-1890	20.0	159	27.3	4.9	2.8	4.1	5.5	7.4	12.1	19.4	35.2	72.1	147.9	313.3
1891-1895	19.8	165	25.5	4.5	2.6	4.0	5.2	7.1	11.9	19.5	35.8	72.5	149.2	290.8
1896-1900	18.8	170	24.2	4.1	2.3	3.6	4.9	6.5	11.1	18.4	34.1	68.3	143.1	282.8
1901-1905	17.1	151	20.1	3.7	2.1	3.2	4.4	5.9	9.7	17.0	32.4	65.3	137.6	274.6
1906-1910	15.6	129	17.7	3.3	2.0	3.0	4.0	5.3	8.6	15.5	31.2	64.4	137.7	283.0
1911-1915*	15.4	121	16.7	3.4	2.1	3.0	4.0	5.2	8.2	14.9	30.2	64.1	139.2	281.6
1916-1920*	16.5	101	14.9	3.8	2.4	3.9	6.6	8.6	9.1	14.0	27.9	63.0	139.4	267.8
1921-1925	12.9	86	10.6	2.6	1.7	2.7	3.5	4.1	6.5	11.6	24.9	58.2	135.5	272.7
1926-1930	12.9	77	9.0	2.5	1.6	2.6	3.3	3.7	6.2	11.6	24.4	58.3	135.4	298.1
1931-1935	12.7	70	6.9	2.3	1.4	2.5	3.2	3.3	5.4	11.2	23.6	56.7	135.2	278.9
1936-1940*	13.5	62	5.0	2.0	1.3	2.2	3.0	3.1	5.0	11.0	25.0	56.8	139.5	286.3
1941-1945*	15.1	56	3.7	1.7	1.2	2.2	5.0	4.2	4.8	9.9	23.1	51.7	121.6	226.1
1946-1950*	12.8	41	1.9	0.9	0.7	1.3	1.8	1.9	3.2	8.6	22.4	51.6	119.0	241.6
1951-1955	12.5	30	1.2	0.6	0.5	0.9	1.2	1.4	2.7	7.9	22.5	54.6	126.7	265.9
1956-1960	12.3	25	1.0	0.5	0.4	0.9	1.1	1.2	2.5	7.4	21.9	53.7	122.7	239.2
1961-1965	12.4	23	0.9	0.5	0.4	1.0	1.1	1.1	2.5	7.4	21.7	54.0	121.3	253.2
1966-1970	12.4	21	0.9	0.4	0.4	1.0	1.0	1.0	2.4	7.2	21.0	55.3	115.9	254.2
1971-1975	12.3	19	0.7	0.4	0.3	0.9	1.0	1.0	2.2	7.2	20.1	51.1	115.1	237.1
1976-1980	12.2	15	0.6	0.3	0.3	0.9	0.9	0.9	2.0	6.7	18.8	48.3	110.9	230.3
1981-1985	11.9	11	0.5	0.3	0.3	0.8	0.8	0.9	1.7	5.7	17.4	45.2	103.5	220.8
1986-1990	11.5	10	0.4	0.2	0.2	0.7	0.9	0.9	1.7	4.9	15.5	40.6	96.4	194.9
1991-1995	10.9	7	0.3	0.2	0.2	0.6	0.8	0.9	1.7	4.2	13.0	37.1	91.0	196.4
1961	12.6	24	1.0	0.5	0.4	0.9	1.1	1.2	2.4	7.3	21.9	54.7	124.4	256.9
1962	12.6	24	0.9	0.4	0.4	0.9	1.1	1.1	2.4	7.3	22.0	55.1	124.7	260.8
1963	12.9	24	1.0	0.5	0.4	0.9	1.1	1.1	2.5	7.5	22.3	55.8	128.0	272.8
1964	12.0	22	0.9	0.5	0.4	1.0	1.1	1.1	2.5	7.4	21.2	51.7	113.8	234.2
1965	12.2	21	0.9	0.5	0.4	1.0	1.1	1.1	2.5	7.4	21.3	52.7	115.7	242.7
1966	12.4	21	0.9	0.4	0.4	1.1	1.1	1.1	2.5	7.3	21.4	53.7	119.6	259.7
1967	11.9	20	0.8	0.4	0.4	1.0	1.0	1.0	2.4	7.0	20.5	51.3	110.9	240.8
1968	12.5	21	0.9	0.4	0.4	0.9	0.9	1.0	2.4	7.1	21.0	53.5	119.6	267.4
1969	12.6	20	0.9	0.4	0.4	0.9	0.9	1.0	2.4	7.4	21.5	54.9	115.5	249.9
1970	12.4	20	0.8	0.4	0.4	0.9	1.0	1.0	2.3	7.2	20.8	53.0	113.9	253.3
1971	12.1	20	0.8	0.4	0.4	0.9	0.9	1.0	2.3	7.1	20.1	50.5	113.0	231.8
1972	12.5	19	0.8	0.4	0.4	0.9	1.0	1.0	2.3	7.3	20.6	52.9	117.5	242.9
1973	12.3	19	0.8	0.4	0.3	0.9	1.0	1.0	2.2	7.2	20.3	51.2	116.4	238.5
1974	12.3	19	0.7	0.4	0.3	0.9	1.0	1.0	2.2	7.3	20.1	50.9	114.3	237.0
1975	12.2	17	0.7	0.3	0.3	0.9	1.0	0.9	2.1	7.1	19.5	49.9	114.5	235.4
1976	12.5	16	0.7	0.3	0.3	0.9	1.0	0.9	2.1	7.0	19.6	50.3	116.4	243.2
1977	12.0	15	0.6	0.3	0.3	0.8	0.9	0.9	2.0	6.8	18.7	48.4	109.7	226.6
1978	12.3	15	0.6	0.3	0.3	0.9	1.0	0.9	2.0	6.8	18.8	48.6	110.7	227.7
1979	12.4	14	0.5	0.3	0.3	0.9	0.9	1.0	2.0	6.6	18.8	48.0	110.9	232.0
1980	12.1	13	0.6	0.3	0.3	0.8	0.9	0.9	1.9	6.4	18.2	46.4	107.2	222.4
1981	12.0	13	0.5	0.3	0.3	0.8	0.8	0.9	1.8	6.1	17.7	45.6	105.2	226.2
1982	12.0	12	0.5	0.3	0.3	0.8	0.9	0.9	1.8	5.9	17.5	45.8	105.4	223.0
1983	12.0	11	0.5	0.3	0.3	0.7	0.8	0.9	1.7	5.7	17.5	45.9	103.6	220.7
1984	11.6	10	0.5	0.2	0.3	0.7	0.8	0.9	1.7	5.5	17.2	44.4	99.7	211.3
1985	12.0	11	0.5	0.2	0.3	0.7	0.8	0.8	1.7	5.4	17.1	44.3	104.1	223.1
1986	11.8	11	0.4	0.2	0.2	0.7	0.8	0.9	1.7	5.3	16.6	42.9	101.1	214.8
1987	11.4	10	0.4	0.2	0.3	0.7	0.9	0.9	1.7	5.0	16.0	44.2	96.3	191.6
1988	11.4	10	0.4	0.2	0.3	0.7	0.9	0.9	1.7	4.9	15.5	40.5	95.8	191.0
1989	11.4	10	0.4	0.2	0.2	0.7	0.9	0.9	1.7	4.7	14.8	39.5	95.7	195.7
1990	11.2	9	0.4	0.2	0.2	0.7	0.9	1.0	1.7	4.6	14.4	38.7	93.3	185.5
1991	11.1	8	0.4	0.2	0.2	0.7	0.8	0.9	1.7	4.6	13.9	38.0	92.5	202.2
1992	10.8	7	0.3	0.2	0.2	0.6	0.8	0.9	1.7	4.3	13.4	37.2	90.0	193.9
1993	11.1	7	0.4	0.2	0.2	0.6	0.8	0.9	1.7	4.2	13.3	37.9	93.3	202.3
1994	10.6	7	0.3	0.2	0.2	0.5	0.8	1.0	1.7	4.0	12.4	36.2	89.5	188.6
1995	10.8	7	0.3	0.2	0.2	0.6	0.9	1.0	1.7	4.1	12.3	36.1	89.4	196.0
1996	10.5	7	0.3	0.1	0.2	0.6	0.8	1.0	1.6	4.0	12.0	34.5	85.1	192.1
1997	10.3	6	0.3	0.1	0.2	0.6	0.9	0.9	1.5	3.9	11.5	33.2	82.5	190.3
1998	10.3	6	0.3	0.1	0.2	0.5	0.8	1.0	1.6	3.9	11.3	32.4	81.2	187.2

\* Civilian mortality only in 1915-1920 and from 3 September 1939 to 31 December 1949 for males: see also section 2.1.

† Based on related live births from 1931 to 1956.

Table 4 (rates) - continued

England and Wales

Period	Females													
	All ages	Deaths under 1 year per 1,000 live births†	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over
1841-1845	<b>20.6</b>	133	..	8.6	5.2	7.7	8.6	9.9	12.1	15.1	27.2	59.1	131.8	288.6
1846-1850	<b>22.6</b>	142	..	9.2	5.7	8.1	9.6	11.2	13.7	17.0	29.7	62.7	140.0	297.7
1851-1855	<b>21.8</b>	141	..	8.5	5.3	7.8	8.9	10.3	12.6	15.8	27.8	59.7	137.2	292.1
1856-1860	<b>21.0</b>	137	..	8.4	4.8	7.1	8.2	9.6	11.8	14.8	26.5	58.1	131.9	285.8
1861-1865	<b>21.5</b>	136	36.2	8.3	4.8	6.9	8.2	9.8	12.1	15.5	27.9	59.1	133.8	287.9
1866-1870	<b>21.2</b>	142	35.5	7.4	4.3	6.4	7.8	9.6	12.1	15.8	27.9	59.1	136.1	282.3
1871-1875	<b>20.7</b>	138	29.9	6.6	4.0	5.9	7.4	9.2	12.0	15.9	28.7	61.3	135.3	293.9
1876-1880	<b>19.5</b>	130	31.0	5.9	3.5	5.0	6.2	8.0	11.3	15.3	28.6	60.8	135.5	299.0
1881-1885	<b>18.3</b>	125	26.4	5.7	3.3	4.7	5.9	7.9	10.9	15.2	28.1	59.1	129.0	265.5
1886-1890	<b>17.8</b>	131	25.7	4.9	2.9	4.2	5.2	6.9	10.3	15.0	28.8	61.7	132.3	276.1
1891-1895	<b>17.7</b>	135	24.4	4.6	2.7	4.0	4.8	6.6	10.1	15.2	29.5	63.0	134.3	264.0
1896-1900	<b>16.6</b>	141	23.0	4.2	2.4	3.4	4.1	5.6	9.1	14.3	27.4	58.5	127.0	258.7
1901-1905	<b>15.0</b>	124	19.2	3.8	2.2	3.0	3.7	5.0	8.1	13.1	25.4	54.8	119.9	249.4
1906-1910	<b>13.8</b>	105	16.7	3.4	2.1	2.8	3.3	4.5	7.1	12.0	24.3	53.1	119.6	250.9
1911-1915*	<b>13.3</b>	97	15.7	3.4	2.1	2.8	3.3	4.1	6.5	11.4	22.7	51.7	117.5	245.4
1916-1920*	<b>12.8</b>	79	14.3	3.8	2.6	3.7	4.5	5.5	6.4	10.4	20.4	47.7	115.1	241.9
1921-1925	<b>11.4</b>	66	9.7	2.4	1.7	2.6	3.1	3.6	5.0	8.8	18.7	45.5	112.9	241.2
1926-1930	<b>11.4</b>	59	8.1	2.3	1.5	2.4	2.9	3.3	5.0	8.4	18.0	44.4	110.4	254.4
1931-1935	<b>11.4</b>	54	6.2	2.1	1.4	2.2	2.8	3.1	4.3	8.0	17.0	42.8	108.9	245.0
1936-1940	<b>11.6</b>	48	4.4	1.7	1.1	1.9	2.5	2.7	3.8	7.5	16.5	41.8	107.1	252.7
1941-1945*	<b>11.1</b>	44	3.3	1.3	1.0	1.7	2.4	2.5	3.3	6.4	14.0	36.0	93.5	206.6
1946-1950*	<b>10.9</b>	32	1.6	0.6	0.5	1.0	1.5	1.8	2.6	5.5	12.8	34.4	93.2	208.9
1951-1955	<b>10.9</b>	23	1.0	0.4	0.3	0.5	0.7	1.1	2.1	4.9	11.8	33.1	92.4	222.0
1956-1960	<b>10.9</b>	20	0.8	0.3	0.3	0.4	0.5	0.8	1.8	4.5	10.9	30.7	86.4	212.5
1961-1965	<b>11.2</b>	18	0.8	0.3	0.3	0.4	0.5	0.7	1.8	4.4	10.6	29.8	83.6	206.7
1966-1970	<b>11.2</b>	16	0.7	0.3	0.3	0.4	0.4	0.7	1.7	4.3	10.3	28.0	77.5	203.0
1971-1975	<b>11.4</b>	15	0.6	0.3	0.2	0.4	0.4	0.6	1.6	4.4	10.2	26.4	74.5	188.9
1976-1980	<b>11.5</b>	12	0.5	0.2	0.2	0.3	0.4	0.6	1.4	4.1	9.9	25.2	70.3	184.9
1981-1985	<b>11.4</b>	9	0.4	0.2	0.2	0.3	0.3	0.5	1.2	3.6	9.6	24.1	64.4	175.9
1986-1990	<b>11.3</b>	8	0.4	0.2	0.2	0.3	0.3	0.5	1.1	3.1	8.9	22.7	60.1	161.3
1991-1995	<b>11.1</b>	6	0.3	0.1	0.1	0.3	0.3	0.4	1.1	2.7	7.7	21.6	57.7	152.0
1961	<b>11.4</b>	19	0.8	0.3	0.3	0.4	0.5	0.7	1.8	4.5	10.8	30.9	87.8	214.2
1962	<b>11.3</b>	19	0.8	0.3	0.3	0.4	0.5	0.8	1.8	4.4	10.8	30.3	86.5	214.0
1963	<b>11.6</b>	18	0.8	0.3	0.2	0.4	0.4	0.7	1.8	4.5	10.8	30.8	88.0	220.2
1964	<b>10.7</b>	17	0.7	0.3	0.3	0.4	0.5	0.7	1.8	4.4	10.2	28.4	77.9	190.4
1965	<b>10.9</b>	16	0.8	0.3	0.3	0.4	0.5	0.7	1.8	4.4	10.3	28.5	78.1	197.2
1966	<b>11.2</b>	16	0.8	0.3	0.3	0.4	0.5	0.7	1.7	4.4	10.3	28.6	80.3	204.2
1967	<b>10.7</b>	16	0.7	0.3	0.3	0.4	0.4	0.7	1.7	4.2	10.0	27.1	74.7	192.1
1968	<b>11.4</b>	16	0.7	0.3	0.3	0.4	0.4	0.7	1.7	4.3	10.3	28.1	79.6	214.2
1969	<b>11.3</b>	16	0.7	0.3	0.2	0.4	0.4	0.6	1.7	4.4	10.6	28.5	77.1	201.4
1970	<b>11.3</b>	16	0.6	0.3	0.2	0.4	0.5	0.6	1.6	4.3	10.3	27.7	75.7	203.3
1971	<b>11.0</b>	15	0.6	0.3	0.2	0.4	0.4	0.6	1.6	4.3	10.0	26.1	73.6	185.7
1972	<b>11.5</b>	15	0.7	0.3	0.2	0.4	0.4	0.6	1.6	4.4	10.4	27.1	76.3	191.8
1973	<b>11.5</b>	15	0.6	0.3	0.2	0.4	0.4	0.6	1.6	4.4	10.2	26.7	75.7	190.8
1974	<b>11.4</b>	14	0.6	0.3	0.2	0.4	0.4	0.5	1.5	4.4	10.3	26.3	74.0	188.7
1975	<b>11.4</b>	14	0.5	0.2	0.2	0.4	0.4	0.6	1.5	4.3	10.1	25.6	72.8	187.4
1976	<b>11.8</b>	12	0.5	0.2	0.2	0.4	0.4	0.6	1.5	4.3	10.1	26.0	74.6	196.6
1977	<b>11.3</b>	12	0.5	0.2	0.2	0.3	0.4	0.5	1.4	4.1	9.8	25.1	70.3	181.6
1978	<b>11.4</b>	12	0.5	0.2	0.2	0.4	0.4	0.6	1.4	4.2	9.8	25.1	69.7	182.2
1979	<b>11.6</b>	11	0.5	0.2	0.2	0.3	0.4	0.6	1.4	4.1	9.9	25.1	70.1	185.3
1980	<b>11.4</b>	11	0.5	0.2	0.2	0.3	0.4	0.5	1.3	3.9	9.7	24.5	67.0	179.7
1981	<b>11.3</b>	9	0.5	0.2	0.2	0.3	0.4	0.5	1.3	3.8	9.5	24.1	66.2	178.2
1982	<b>11.5</b>	9	0.4	0.2	0.2	0.3	0.4	0.5	1.2	3.6	9.7	24.3	65.8	178.2
1983	<b>11.4</b>	9	0.4	0.2	0.2	0.3	0.3	0.5	1.2	3.6	9.6	24.1	64.4	176.2
1984	<b>11.1</b>	8	0.4	0.2	0.2	0.3	0.3	0.5	1.1	3.4	9.5	23.9	61.7	169.0
1985	<b>11.7</b>	8	0.4	0.2	0.2	0.3	0.3	0.5	1.1	3.3	9.7	24.1	64.1	178.0
1986	<b>11.4</b>	8	0.4	0.2	0.2	0.3	0.3	0.5	1.1	3.2	9.2	23.4	62.5	171.0
1987	<b>11.1</b>	8	0.4	0.2	0.2	0.3	0.3	0.5	1.1	3.2	9.1	22.8	60.1	158.6
1988	<b>11.3</b>	8	0.4	0.2	0.2	0.3	0.3	0.5	1.2	3.1	8.9	22.7	59.6	161.2
1989	<b>11.4</b>	7	0.4	0.2	0.2	0.3	0.3	0.5	1.1	3.0	8.8	22.6	60.3	162.4
1990	<b>11.1</b>	7	0.3	0.1	0.2	0.3	0.3	0.4	1.1	2.9	8.6	21.9	58.1	154.9
1991	<b>11.2</b>	6	0.3	0.2	0.2	0.3	0.3	0.4	1.0	2.9	8.2	21.8	58.1	155.4
1992	<b>10.9</b>	6	0.3	0.1	0.1	0.3	0.3	0.4	1.1	2.7	7.9	21.5	56.8	148.7
1993	<b>11.4</b>	6	0.3	0.1	0.2	0.3	0.3	0.4	1.1	2.7	7.9	22.0	59.4	156.5
1994	<b>10.9</b>	5	0.3	0.1	0.1	0.2	0.3	0.4	1.1	2.7	7.3	21.3	56.9	146.6
1995	<b>11.2</b>	5	0.2	0.1	0.1	0.3	0.3	0.5	1.0	2.7	7.3	21.4	57.1	153.1
1996	<b>11.0</b>	5	0.2	0.1	0.1	0.3	0.3	0.5	1.0	2.6	7.1	20.7	55.8	150.8
1997	<b>10.9</b>	5	0.2	0.1	0.1	0.3	0.3	0.4	1.0	2.6	6.9	20.2	54.6	151.7
1998	<b>10.9</b>	5	0.2	0.1	0.1	0.3	0.3	0.4	1.0	2.6	6.8	19.9	53.9	151.5

\* Civilian mortality only in 1915-1920 and from 1 June 1941 to 31 December 1949 for females: see also section 2.1.

† Based on related live births from 1931 to 1956.

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**Table 5 Deaths and death rates per million population: sex and age-group, 1911 - 1995**

	All ages	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
<b>Males</b>									
<b>Deaths</b>									
1911-1915*	1,335,394	394,916	31,798	18,041	24,316	27,428	31,041	37,291	45,695
1916-1920*	1,283,103	296,724	34,955	22,055	29,152	26,267	32,656	38,005	43,766
1921-1925	1,189,865	242,740	20,862	15,339	23,568	27,013	25,604	28,129	35,827
1926-1930	1,217,610	187,715	21,497	13,070	22,724	27,770	26,434	26,159	33,109
1931-1935	1,232,370	149,239	17,957	12,394	19,492	26,800	26,470	27,051	30,290
1936-1940*	1,309,248	125,909	14,267	9,954	18,045	20,973	23,855	26,274	31,694
1941-1945*	1,254,383	117,232	11,999	8,650	13,945	12,994	14,966	20,277	26,876
1946-1950*	1,277,959	95,771	6,574	4,881	7,875	10,625	13,949	15,259	21,476
1951-1955	1,325,747	61,306	4,951	3,549	5,788	8,553	9,771	12,325	15,917
1956-1960	1,344,000	55,045	4,242	3,625	6,349	7,760	7,726	9,724	15,286
1961-1965	1,415,447	57,876	4,079	3,579	8,589	8,216	7,406	9,021	14,377
1966-1970	1,448,627	50,616	4,197	3,402	8,419	8,721	7,063	8,202	12,382
1971-1975	1,474,783	39,094	3,977	3,401	7,696	8,727	7,934	8,021	11,344
1976-1980	1,475,067	26,806	3,058	3,007	8,528	8,285	7,730	8,739	11,095
1981-1985	1,443,291	21,795	1,905	2,637	7,841	8,345	7,120	8,240	11,488
1986-1990	1,407,628	20,522	1,712	1,861	6,717	9,030	8,239	8,544	11,554
1991-1995	1,370,102	14,998	1,453	1,669	4,728	8,001	9,126	10,289	11,960
<b>Rate per million population</b>									
1911-1915*	15,412	40,873	3,416	2,048	3,009	3,981	4,664	5,634	7,291
1916-1920*	16,496	34,395	3,811	2,405	3,905	6,595	8,821	8,393	8,538
1921-1925	12,946	26,974	2,551	1,694	2,657	3,526	3,803	4,298	5,725
1926-1930	12,891	23,120	2,484	1,609	2,580	3,296	3,533	3,840	5,242
1931-1935	12,743	20,133	2,279	1,438	2,449	3,154	3,157	3,475	4,616
1936-1940*	13,495	17,471	1,962	1,270	2,154	2,990	2,960	3,213	4,223
1941-1945*	15,158	15,544	1,690	1,195	2,217	4,990	4,457	4,007	4,269
1946-1950*	12,735	10,462	884	691	1,333	1,746	1,808	2,042	2,588
1951-1955	12,503	6,948	547	481	861	1,234	1,263	1,510	2,108
1956-1960	12,343	6,312	487	402	876	1,120	1,061	1,262	1,894
1961-1965	12,448	5,809	467	407	951	1,102	1,008	1,218	1,855
1966-1970	12,360	4,846	425	389	961	975	930	1,121	1,693
1971-1975	12,278	4,106	384	344	874	976	874	1,062	1,573
1976-1980	12,241	3,457	325	290	859	932	870	975	1,498
1981-1985	11,923	2,747	247	281	748	836	818	946	1,303
1986-1990	11,453	2,439	213	239	710	860	825	984	1,333
1991-1995	10,871	1,708	171	206	597	834	853	1,012	1,364
<b>Females</b>									
<b>Deaths</b>									
1911-1915*	1,254,548	325,149	31,329	18,780	23,364	26,622	29,792	33,796	40,243
1916-1920*	1,248,993	241,766	34,796	23,481	32,181	37,479	43,315	42,699	43,765
1921-1925	1,146,405	191,049	19,461	15,461	22,898	26,675	27,969	29,002	33,234
1926-1930	1,169,111	146,902	19,072	12,322	21,328	25,952	27,111	27,576	31,053
1931-1935	1,194,065	115,576	16,051	11,601	17,674	24,500	26,250	26,706	30,120
1936-1940*	1,246,531	95,305	12,136	8,720	15,874	20,013	22,973	24,144	27,625
1941-1945*	1,194,563	88,978	8,966	6,893	13,036	18,484	18,977	21,637	24,535
1946-1950*	1,215,605	70,930	4,592	3,721	7,439	11,739	14,249	14,619	19,003
1951-1955	1,245,406	45,401	3,380	2,416	3,424	5,083	7,386	10,123	13,132
1956-1960	1,272,963	40,831	2,768	2,337	2,693	3,646	4,808	7,370	11,845
1961-1965	1,350,925	42,795	2,618	2,111	3,306	3,530	4,257	6,197	10,396
1966-1970	1,388,839	37,366	2,662	2,019	3,275	3,896	4,031	5,321	8,757
1971-1975	1,439,979	28,710	2,625	1,975	3,232	3,709	4,255	4,967	7,845
1976-1980	1,459,682	19,879	1,958	1,991	3,219	3,414	4,073	5,577	7,451
1981-1985	1,453,683	16,169	1,344	1,663	2,986	3,162	3,504	5,012	7,830
1986-1990	1,453,695	15,026	1,178	1,192	2,632	3,229	3,612	4,792	7,495
1991-1995	1,458,536	11,278	1,027	1,087	2,005	2,856	3,780	5,125	6,947
<b>Rate per million population</b>									
1911-1915*	13,256	34,008	3,371	2,110	2,750	3,249	3,732	4,452	5,804
1916-1920*	12,777	28,420	3,810	2,556	3,660	4,472	5,417	5,537	5,952
1921-1925	11,418	21,784	2,409	1,722	2,557	3,107	3,406	3,755	4,561
1926-1930	11,369	18,513	2,252	1,534	2,410	2,936	3,211	3,466	4,168
1931-1935	11,378	16,018	2,074	1,373	2,218	2,767	2,976	3,212	3,895
1936-1940*	11,628	13,733	1,707	1,127	1,867	2,486	2,594	2,758	3,372
1941-1945*	11,086	12,314	1,305	970	1,736	2,412	2,436	2,488	2,851
1946-1950*	10,881	8,144	642	544	1,050	1,539	1,693	1,836	2,191
1951-1955	10,871	5,402	391	340	495	703	947	1,214	1,680
1956-1960	10,884	4,931	333	272	376	517	665	952	1,430
1961-1965	11,185	4,517	318	252	380	473	596	856	1,346
1966-1970	11,174	3,722	283	246	387	440	543	755	1,218
1971-1975	11,360	3,182	267	211	385	425	479	679	1,124
1976-1980	11,498	2,707	220	203	339	398	468	636	1,031
1981-1985	11,399	2,145	184	187	300	324	410	582	897
1986-1990	11,261	1,876	154	162	293	318	368	559	865
1991-1995	11,115	1,351	127	142	268	312	368	521	802

\* Civilian mortality only in 1915-1920 and from 3 September 1939 to 31 December 1949 for males, and from 1 June 1941 to 31 December 1949 for females: see also section 2.1.

## England and Wales

40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 and over	
										<b>Males</b>
										<b>Deaths</b>
51,695	60,356	70,787	79,775	92,857	99,315	103,190	82,236	52,271	32,386	1911-1915*
51,493	61,960	72,973	83,128	96,288	108,952	105,473	91,740	54,846	32,670	1916-1920*
45,391	57,366	69,378	82,643	98,083	111,022	112,841	95,944	62,837	35,308	1921-1925
43,816	58,121	74,861	91,185	109,373	127,081	131,171	112,557	69,967	41,000	1926-1930
38,556	54,586	73,754	96,995	118,472	139,696	146,777	127,293	80,734	45,184	1931-1935
36,949	52,123	76,837	105,238	137,818	159,425	169,363	149,935	96,816	53,733	1936-1940*
36,251	47,650	69,405	98,397	131,294	160,970	170,657	153,669	101,710	57,441	1941-1945*
31,563	48,430	65,378	93,922	131,530	163,063	189,362	179,387	124,008	74,906	1946-1950*
26,787	45,754	73,200	98,588	135,806	174,216	201,930	205,912	149,376	92,018	1951-1955
22,769	42,593	73,432	113,137	141,120	174,167	201,378	201,979	158,905	104,763	1956-1960
24,635	39,386	72,719	119,792	167,070	187,083	206,653	202,799	161,205	120,962	1961-1965
23,121	41,826	65,578	116,605	174,701	217,521	216,757	203,245	157,665	128,606	1966-1970
20,462	39,457	69,074	102,009	166,839	227,587	248,414	211,155	163,265	136,327	1971-1975
17,909	33,147	62,509	103,541	145,977	218,870	263,803	243,846	167,488	140,729	1976-1980
16,442	28,315	50,301	90,264	143,038	186,138	255,175	261,298	195,292	147,657	1981-1985
17,898	26,021	42,477	73,590	125,290	184,599	219,345	260,992	217,141	172,096	1986-1990
17,528	27,242	39,018	61,839	102,226	162,793	220,741	232,049	230,499	213,943	1991-1995
<b>Rate per million population</b>										
9,207	12,672	17,591	24,875	37,054	51,943	82,817	122,012	179,010	281,617	1911-1915*
9,573	12,017	16,343	22,812	34,524	51,882	80,946	125,328	171,931	267,787	1916-1920*
7,291	9,880	13,425	20,375	30,632	47,937	73,560	117,723	176,014	273,705	1921-1925
7,142	9,836	13,552	19,673	30,432	47,578	74,656	120,769	168,190	297,101	1926-1930
6,221	9,247	13,155	19,274	28,784	45,856	73,238	116,537	177,554	278,914	1931-1935
5,807	8,617	13,518	20,089	30,681	45,792	73,374	120,740	183,642	286,331	1936-1940*
5,428	7,826	12,008	18,562	28,205	42,834	64,302	104,466	161,959	227,040	1941-1945*
3,880	6,723	10,711	17,438	28,039	41,779	64,563	101,751	157,771	241,632	1946-1950*
3,254	5,721	10,448	17,489	28,459	44,522	67,921	107,977	166,528	265,948	1951-1955
3,048	5,266	9,555	17,270	27,873	43,531	67,418	103,420	161,161	239,185	1956-1960
3,048	5,333	9,327	16,534	28,090	44,193	67,547	102,346	157,936	253,218	1961-1965
3,030	5,307	9,255	15,878	26,829	43,953	67,718	100,781	143,567	254,162	1966-1970
2,844	5,281	9,086	15,245	25,030	41,162	65,505	98,865	146,177	237,132	1971-1975
2,527	4,704	8,666	14,440	24,028	38,429	61,438	96,010	143,054	230,288	1976-1980
2,253	4,084	7,359	13,186	21,811	35,462	56,522	88,157	135,113	220,779	1981-1985
2,040	3,620	6,282	11,262	19,853	32,092	52,153	81,524	123,341	194,921	1986-1990
2,015	3,141	5,566	9,522	16,778	29,004	46,652	74,833	116,194	196,435	1991-1995
										<b>Females</b>
										<b>Deaths</b>
44,240	50,642	58,445	66,339	79,404	91,653	111,494	99,209	70,805	53,242	1911-1915*
46,070	51,812	59,581	67,251	79,881	96,614	108,460	107,120	75,731	57,091	1916-1920*
38,871	47,094	57,232	67,038	82,887	100,255	117,449	115,540	89,104	65,186	1921-1925
37,110	47,346	60,483	72,885	91,129	112,174	131,193	130,440	98,772	76,263	1926-1930
34,934	45,890	60,179	76,683	97,848	121,722	145,708	145,306	112,072	85,245	1931-1935
32,914	43,756	59,427	78,448	107,455	135,881	163,114	167,683	129,775	101,288	1936-1940*
29,798	39,827	52,615	70,619	97,693	130,326	159,514	167,643	136,573	108,449	1941-1945*
24,667	35,290	47,728	64,751	93,263	130,808	176,245	193,644	163,401	139,516	1946-1950*
21,189	32,076	45,893	62,986	91,398	133,545	184,869	219,597	193,001	170,507	1951-1955
17,428	29,448	43,699	62,148	90,170	129,380	182,418	226,513	215,480	199,981	1956-1960
17,905	26,862	43,364	63,373	93,726	132,919	186,745	233,396	236,577	240,848	1961-1965
16,184	27,668	39,863	63,278	94,698	136,929	187,631	232,845	242,081	280,335	1966-1970
14,028	25,769	41,683	57,800	92,825	137,368	193,815	239,990	254,639	324,744	1971-1975
12,116	21,541	37,533	59,417	84,104	133,737	193,417	249,454	265,348	355,453	1976-1980
10,789	17,999	30,744	52,753	85,429	117,222	184,722	247,284	276,702	388,319	1981-1985
12,061	16,781	25,945	44,184	76,552	119,428	162,059	237,978	283,945	435,606	1986-1990
11,418	18,344	24,661	37,219	63,002	105,733	163,895	210,944	283,874	505,341	1991-1995
<b>Rate per million population</b>										
7,196	9,809	13,371	18,671	27,725	40,093	67,984	101,130	151,942	245,355	1911-1915*
6,870	8,867	12,282	16,817	24,955	38,293	61,139	100,300	145,637	241,911	1916-1920*
5,504	7,433	10,353	15,184	22,986	36,167	58,230	94,627	150,514	240,539	1921-1925
5,230	7,007	10,037	14,331	22,613	35,022	57,541	94,181	142,941	255,060	1926-1930
4,796	6,656	9,360	13,593	21,073	33,517	55,773	91,118	145,756	244,957	1931-1935
4,323	6,121	8,910	12,867	20,682	32,805	54,198	90,468	140,510	252,652	1936-1940*
3,709	5,344	7,596	11,081	17,193	28,136	46,792	77,541	125,296	206,964	1941-1945*
2,930	4,473	6,646	9,963	15,956	26,000	45,307	76,904	124,449	208,856	1946-1950*
2,503	3,873	5,986	9,147	14,864	25,022	43,023	74,795	126,310	222,014	1951-1955
2,252	3,536	5,403	8,404	13,828	23,112	40,048	69,312	117,045	212,520	1956-1960
2,180	3,505	5,299	8,094	13,357	22,355	38,903	65,699	114,189	206,719	1961-1965
2,112	3,415	5,342	7,991	12,737	21,218	36,495	62,167	101,446	203,038	1966-1970
1,973	3,414	5,263	8,004	12,319	19,957	34,103	58,740	99,647	188,882	1971-1975
1,755	3,070	5,091	7,756	12,227	19,215	31,990	54,912	95,377	184,939	1976-1980
1,503	2,628	4,459	7,397	11,717	18,446	29,979	50,122	86,378	175,853	1981-1985
1,386	2,352	3,839	6,585	11,258	17,637	28,755	46,715	79,166	161,348	1986-1990
1,318	2,119	3,514	5,667	9,787	16,551	26,842	44,279	74,343	152,010	1991-1995

To link to Excel version of the table - click on red box surrounding the table title

**Table 6 Deaths and death rates per 1,000 population: age-group and sex, 1998** **United Kingdom,  
England and Wales, England, Wales,  
Scotland, Northern Ireland**

Age	United Kingdom		England and Wales**†		England†		Wales†		Scotland†		Northern Ireland†	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
<b>Numbers</b>												
<b>All ages</b>	<b>300,160</b>	<b>329,012</b>	<b>264,707</b>	<b>290,308</b>	<b>247,673</b>	<b>271,931</b>	<b>16,152</b>	<b>17,830</b>	<b>28,132</b>	<b>31,032</b>	<b>7,321</b>	<b>7,672</b>
Under 1	2,327	1,752	2,070	1,555	1,944	1,448	101	87	183	137	74	60
1-4	463	347	413	309	382	287	15	10	37	26	13	12
5-9	283	213	240	177	221	163	14	10	34	28	9	8
10-14	343	215	291	189	266	174	15	13	39	19	13	7
15-19	1,058	486	875	407	794	377	64	26	134	55	49	24
20-24	1,539	568	1,292	480	1,179	439	89	30	200	68	47	20
25-29	2,120	802	1,802	694	1,667	651	108	34	247	87	71	21
30-34	2,564	1,169	2,211	1,030	2,077	975	107	52	277	111	76	28
35-39	2,967	1,732	2,557	1,494	2,384	1,417	138	67	355	188	55	50
40-44	3,935	2,557	3,338	2,184	3,134	2,022	172	141	488	297	109	76
45-49	5,996	3,960	5,150	3,403	4,797	3,183	297	201	676	449	170	108
50-54	9,829	6,470	8,445	5,663	7,903	5,297	478	328	1,120	657	264	150
55-59	13,346	8,324	11,506	7,155	10,720	6,635	724	477	1,492	941	348	228
60-64	20,432	12,550	17,546	10,772	16,366	10,022	1,087	704	2,336	1,475	550	303
65-69	31,005	20,612	26,851	17,662	24,979	16,445	1,764	1,167	3,363	2,414	791	536
70-74	44,713	33,588	39,248	29,232	36,519	27,198	2,617	1,962	4,383	3,541	1,082	815
75-79	54,681	49,473	48,537	43,568	45,431	40,764	3,032	2,738	4,828	4,784	1,316	1,121
80-84	46,787	57,662	41,913	51,145	39,365	47,891	2,494	3,203	3,757	5,129	1,117	1,388
85 and over	55,772	126,532	50,422	113,189	47,545	106,543	2,836	6,580	4,183	10,626	1,167	2,717
<b>Rates</b>												
<b>All ages</b>	<b>10.3</b>	<b>10.9</b>	<b>10.3</b>	<b>10.9</b>	<b>10.2</b>	<b>10.8</b>	<b>11.2</b>	<b>11.9</b>	<b>11.3</b>	<b>11.8</b>	<b>8.8</b>	<b>8.9</b>
Under 1 *	6.3	5.0	6.4	5.0	6.3	4.9	5.9	5.3	6.2	4.9	6.1	5.1
1-4	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.1	0.3	0.2	0.3	0.3
5-9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1
10-14	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
15-19	0.6	0.3	0.5	0.3	0.5	0.3	0.7	0.3	0.8	0.3	0.8	0.4
20-24	0.9	0.3	0.8	0.3	0.8	0.3	1.0	0.4	1.2	0.4	0.8	0.4
25-29	0.9	0.4	0.9	0.4	0.9	0.4	1.0	0.4	1.3	0.5	1.1	0.3
30-34	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.3	0.5	1.2	0.4
35-39	1.3	0.8	1.2	0.8	1.2	0.8	1.3	0.6	1.8	0.9	0.9	0.8
40-44	2.0	1.3	1.9	1.3	1.9	1.2	1.8	1.5	2.8	1.7	2.1	1.4
45-49	3.1	2.1	3.0	2.0	3.0	2.0	3.1	2.1	4.1	2.7	3.5	2.2
50-54	5.0	3.3	4.8	3.2	4.8	3.2	4.8	3.3	6.9	4.0	5.6	3.1
55-59	8.8	5.4	8.6	5.2	8.5	5.2	9.1	5.9	11.3	6.6	8.8	5.5
60-64	14.8	8.7	14.3	8.5	14.2	8.4	14.8	9.2	19.2	10.9	16.2	8.2
65-69	25.1	14.9	24.4	14.5	24.2	14.4	26.3	15.7	31.1	18.7	26.9	15.1
70-74	42.5	25.9	41.8	25.5	41.5	25.3	44.1	27.2	49.6	30.5	43.6	25.0
75-79	67.5	41.9	66.6	41.4	66.5	41.3	67.6	41.9	76.0	48.0	73.2	40.7
80-84	109.5	73.2	108.9	72.6	108.8	72.4	107.7	74.1	115.7	79.1	113.6	75.4
85 and over	188.1	153.3	187.2	151.5	187.3	151.4	182.5	150.4	198.8	174.7	190.4	156.1

\* Deaths under age 1 per thousand live births

\*\* Including deaths of residents outside England and Wales - See section 1.2 of Introduction

† Deaths occurring in 1998 for England and Wales; deaths registered in 1998 for Scotland and Northern Ireland, See section 1.2 of Introduction



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To link to Excel version of the table - click on red box surrounding the table title

**Table 7 Death rates per 1,000,000 population: age-group and sex, infant mortality rates and Standardised Mortality Ratios† for selected underlying causes, 1998**

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
001-999	All Causes	E	10,159.7	10,826.8	6.30	4.93	300.9	238.1	148.2	108.0	646.4	281.2	941.1	429.4
		W	11,227.3	11,928.9	5.92	5.31	208.6	146.5	145.9	121.7	846.8	332.8	1,014.4	428.7
		S	11,323.5	11,774.2	6.20	4.92	297.4	219.5	219.6	148.1	1,016.6	390.9	1,314.8	502.5
		NI	8,848.9	8,907.6	6.09	5.12	259.3	251.0	161.2	115.7	763.5	372.5	1,112.0	378.6
		UK	10,304.7	10,927.7	6.33	5.01	305.4	241.0	158.4	113.9	704.3	300.9	992.2	437.0
001-139	I Infectious and parasitic diseases	E	68.1	60.0	0.20	0.20	30.7	24.1	6.4	4.2	14.1	13.1	19.6	15.6
		W	63.9	79.6	0.06	0.24	13.9	-	-	5.3	16.6	5.9	14.2	10.0
		S	99.8	90.3	0.10	0.04	48.2	59.1	6.0	9.5	3.0	19.1	25.1	20.3
		NI	32.6	30.2	0.08	-	19.9	41.8	7.3	-	-	16.9	-	-
		UK	70.2	63.2	0.19	0.19	31.0	26.4	6.1	4.5	13.3	14.0	19.5	15.3
001-009	Intestinal infectious diseases	E	6.2	9.5	0.08	0.05	0.8	1.7	-	-	-	-	-	-
		W	7.6	10.0	-	0.06	-	-	-	-	-	-	-	-
		S	4.8	8.3	-	0.04	-	-	-	-	-	3.2	-	-
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	6.0	9.2	0.07	0.05	0.7	1.4	-	-	-	0.3	-	-
007-009	Enteritis and other intestinal infectious diseases	E	5.9	9.1	0.08	0.05	0.8	1.7	-	-	-	-	-	-
		W	6.3	9.4	-	0.06	-	-	-	-	-	-	-	-
		S	2.8	8.3	-	0.04	-	-	-	-	-	3.2	-	-
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	5.5	8.8	0.07	0.05	0.7	1.4	-	-	-	0.3	-	-
010-018	Tuberculosis	E	10.1	4.7	-	-	-	-	-	-	0.3	0.3	2.0	1.3
		W	10.4	6.0	-	-	-	-	-	-	-	-	-	-
		S	10.9	7.2	-	-	-	-	-	-	-	-	-	-
		NI	3.6	2.3	-	-	-	-	-	-	-	-	-	-
		UK	10.1	4.9	-	-	-	-	-	-	0.3	0.3	1.7	1.1
010-012	Pulmonary and other respiratory tuberculosis	E	7.8	2.8	-	-	-	-	-	-	0.3	0.3	1.3	-
		W	8.3	4.7	-	-	-	-	-	-	-	-	-	-
		S	8.9	5.3	-	-	-	-	-	-	-	-	-	-
		NI	3.6	1.2	-	-	-	-	-	-	-	-	-	-
		UK	7.9	3.1	-	-	-	-	-	-	0.3	0.3	1.1	-
011	Pulmonary tuberculosis	E	7.7	2.8	-	-	-	-	-	-	0.3	0.3	1.3	-
		W	8.3	4.7	-	-	-	-	-	-	-	-	-	-
		S	8.5	5.3	-	-	-	-	-	-	-	-	-	-
		NI	3.6	1.2	-	-	-	-	-	-	-	-	-	-
		UK	7.7	3.1	-	-	-	-	-	-	0.3	0.3	1.1	-
020-041	Other bacterial diseases	E	29.1	30.9	0.09	0.12	25.2	19.9	3.7	1.9	9.2	10.3	4.0	4.5
		W	33.4	47.5	0.06	0.12	13.9	-	-	-	11.1	5.9	-	5.0
		S	54.3	56.9	0.07	-	48.2	50.6	3.0	6.3	3.0	15.9	5.0	5.1
		NI	23.0	18.6	0.08	-	19.9	41.8	7.3	-	-	8.5	-	-
		UK	31.3	33.8	0.08	0.11	26.4	22.2	3.5	2.1	8.4	10.8	3.8	4.4
033	Whooping cough	E	0.1	0.1	0.01	0.01	-	-	-	-	-	-	-	-
		W	-	-	-	-	-	-	-	-	-	-	-	-
		S	-	-	-	-	-	-	-	-	-	-	-	-
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	0.1	0.1	0.01	0.01	-	-	-	-	-	-	-	-
034,035	Streptococcal sore throat, scarlatina and erysipelas	E	0.1	0.1	-	-	-	-	-	-	-	-	-	0.3
		W	-	-	-	-	-	-	-	-	-	-	-	-
		S	-	-	-	-	-	-	-	-	-	-	-	-
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	0.1	0.1	-	-	-	-	-	-	-	-	-	0.2
036	Meningococcal infection	E	3.7	4.3	0.04	0.06	18.1	15.8	2.4	1.6	8.8	9.0	2.0	1.3
		W	2.8	4.0	0.06	-	13.9	-	-	-	11.1	5.9	-	-
		S	3.2	4.6	-	-	48.2	25.3	3.0	3.2	3.0	15.9	-	-
		NI	3.6	3.5	0.08	-	19.9	41.8	7.3	-	-	8.5	-	-
		UK	3.6	4.4	0.04	0.05	20.4	16.7	2.5	1.6	8.1	9.7	1.7	1.1
038	Septicaemia	E	21.7	23.8	0.03	0.03	6.3	2.5	1.2	0.3	0.3	1.4	1.5	2.4
		W	27.1	40.1	-	0.12	-	-	-	-	-	-	-	5.0
		S	46.7	48.9	0.07	-	-	16.9	-	3.2	-	-	5.0	5.1
		NI	16.9	13.9	-	-	-	-	-	-	-	-	-	-
		UK	24.0	26.7	0.03	0.03	5.3	3.5	1.0	0.5	0.3	1.1	1.7	2.7
042-044	HIV infection	E	5.2	1.2	0.00	0.01	1.6	-	-	-	0.7	-	7.0	3.2
		W	0.7	-	-	-	-	-	-	-	-	-	4.7	-
		S	10.1	2.7	-	-	-	-	-	-	-	-	15.1	10.2
		NI	1.2	-	-	-	-	-	-	-	-	-	-	-
		UK	5.3	1.4	0.00	0.01	1.3	-	-	-	0.5	-	7.6	3.5

† See section 2.7.

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR		ICD 9 code
35-44		45-54		55-64		65-74		75-84		85 and over		All ages		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1,531.3	978.8	3,902.8	2,603.2	11,212.1	6,737.4	32,144.1	19,710.3	81,127.5	53,762.2	187,288.3	151,445.3	98	98	001-999
1,554.1	1,048.0	3,968.6	2,686.0	11,801.7	7,485.9	34,665.6	21,346.1	81,231.3	54,738.1	182,461.6	150,417.2	100	101	
2,229.9	1,270.1	5,511.9	3,317.5	15,113.2	8,720.9	39,415.8	24,274.5	89,451.3	60,280.5	198,783.4	174,663.4	117	115	
1,446.2	1,077.8	4,528.3	2,632.0	12,240.7	6,780.7	34,551.5	19,835.0	87,455.1	54,643.3	190,375.2	156,104.6	105	100	
1,607.2	1,018.5	4,088.0	2,684.1	11,664.1	6,992.0	33,060.2	20,267.5	82,024.8	54,440.7	188,053.0	153,280.2	100	100	
38.9	17.4	41.2	19.6	84.9	49.8	167.8	122.4	385.6	235.3	835.1	570.0	96	94	001-139
15.0	10.1	15.4	35.5	45.6	63.4	158.3	136.4	529.2	322.5	965.1	845.8	86	118	
63.5	31.4	55.2	27.0	122.4	79.4	269.7	171.2	635.6	395.3	1,853.3	1,035.6	148	150	
8.8	8.6	41.7	30.6	40.9	25.5	166.0	73.4	143.8	130.7	489.4	287.3	54	55	
39.4	19.5	42.4	21.9	87.0	53.3	177.7	127.1	407.4	251.0	907.0	613.0	100	100	
-	-	1.8	1.2	2.9	2.8	13.6	10.4	45.0	40.0	157.6	173.4	102	103	001-009
-	-	-	-	13.0	-	15.8	20.5	73.5	36.9	128.7	160.0	118	102	
-	-	-	-	7.9	3.6	25.4	16.3	31.3	42.6	95.0	131.5	87	100	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	1.5	1.0	3.8	2.7	14.8	11.2	44.5	39.1	148.4	166.0	100	100	
-	-	1.8	0.9	2.5	2.4	12.5	9.5	41.1	38.8	153.6	167.7	106	102	007-009
-	-	-	-	6.5	-	15.8	20.5	73.5	36.9	64.3	137.2	106	99	
-	-	-	-	3.9	3.6	10.2	16.3	20.8	42.6	95.0	131.5	56	104	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	1.5	0.8	2.8	2.3	12.7	10.5	40.4	38.1	141.6	159.9	100	100	
3.9	1.4	4.9	2.1	15.3	4.4	32.9	14.5	72.7	23.0	122.1	28.4	99	95	010-018
5.0	-	5.1	10.2	6.5	6.3	23.7	13.6	73.5	27.6	257.4	22.9	96	112	
5.3	2.6	6.1	-	11.8	3.6	35.6	28.5	104.2	48.6	142.6	32.9	113	149	
-	-	10.4	-	-	-	18.4	14.7	35.9	-	-	57.5	43	55	
4.0	1.4	5.4	2.3	14.5	4.4	32.7	15.7	74.4	24.9	128.1	29.1	100	100	
3.3	0.6	3.1	1.2	11.6	1.6	27.2	9.5	52.6	12.7	110.3	25.6	99	91	010-012
5.0	-	-	5.1	-	6.3	23.7	6.8	73.5	27.6	193.0	22.9	98	139	
2.6	2.6	3.1	-	11.8	-	30.5	20.4	83.4	36.5	142.6	32.9	118	179	
-	-	10.4	-	-	-	18.4	-	35.9	-	-	57.5	56	45	
3.3	0.7	3.4	1.3	10.7	1.7	27.5	10.1	55.8	15.2	114.6	26.7	100	100	
3.3	0.6	3.1	1.2	11.6	1.6	27.2	9.0	49.8	12.7	106.4	25.6	99	91	011
5.0	-	-	5.1	-	6.3	23.7	6.8	73.5	27.6	193.0	22.9	100	141	
2.6	2.6	3.1	-	11.8	-	30.5	20.4	72.9	36.5	142.6	32.9	115	181	
-	-	10.4	-	-	-	18.4	-	35.9	-	-	57.5	57	46	
3.3	0.7	3.4	1.3	10.7	1.7	27.5	9.7	52.5	15.2	111.3	26.7	100	100	
6.4	8.3	12.9	8.3	27.7	25.5	78.4	65.5	196.1	121.9	425.4	284.3	92	91	020-041
5.0	10.1	10.2	15.2	19.6	31.7	71.2	68.2	323.4	211.9	450.4	548.6	99	132	
7.9	13.1	15.3	15.0	71.1	50.5	147.6	97.8	406.4	255.4	1,378.1	739.7	183	176	
-	-	10.4	10.2	27.3	12.8	129.1	44.0	107.8	108.9	489.4	172.4	85	63	
6.3	9.0	13.2	9.3	31.1	28.1	85.1	68.4	217.5	137.7	495.7	329.5	100	100	
-	-	-	-	-	-	-	-	-	-	-	-	119	119	033
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	100	100	
-	-	-	-	0.8	-	-	0.5	-	-	3.9	1.4	119	119	034,035
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	0.7	-	-	0.4	-	-	3.4	1.2	100	100	
0.8	1.4	1.2	1.5	1.7	2.4	-	2.7	-	6.7	3.9	4.3	103	99	036
-	-	-	5.1	-	6.3	-	6.8	-	18.4	-	-	79	92	
-	-	-	-	-	-	-	8.2	-	6.1	-	-	90	107	
-	-	-	-	-	-	-	-	-	-	-	-	89	75	
0.7	1.2	1.0	1.5	1.4	2.7	-	3.4	-	7.1	3.4	3.6	100	100	
5.6	5.7	8.3	5.2	19.0	21.4	66.9	58.7	169.3	104.9	405.7	254.4	90	89	038
5.0	5.0	10.2	5.1	13.0	19.0	63.3	61.4	294.0	184.3	386.0	525.8	104	140	
7.9	10.5	15.3	9.0	67.1	50.5	132.3	81.5	375.1	237.2	1,188.0	723.2	207	193	
-	-	10.4	10.2	13.6	12.8	129.1	44.0	71.9	87.1	489.4	172.4	85	63	
5.6	6.4	9.3	5.7	22.8	23.8	73.8	61.0	190.0	119.9	461.9	301.6	100	100	
15.5	2.6	6.5	1.2	5.0	1.2	2.6	-	-	0.6	-	-	98	90	042-044
-	-	-	-	-	-	-	-	-	-	-	-	14	-	
34.4	7.9	12.3	-	7.9	-	-	-	-	-	-	-	187	193	
8.8	-	-	-	-	-	-	-	-	-	-	-	24	-	
16.3	3.3	6.5	1.3	4.8	1.0	2.2	-	-	0.5	-	-	100	100	

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
045-079	Viral diseases	E	9.6	7.8	0.01	0.02	3.2	1.7	2.4	1.0	3.6	2.4	3.5	5.0
		W	7.0	10.7	-	0.06	-	-	-	5.3	5.5	-	4.7	5.0
		S	8.9	10.6	0.03	-	-	8.4	3.0	3.2	-	-	5.0	5.1
		NI	2.4	4.6	-	-	-	-	-	-	-	8.5	-	-
		UK	9.6	8.3	0.01	0.02	2.6	2.1	2.3	1.3	3.3	2.6	3.6	4.9
055	Measles	E	0.1	0.0	-	-	-	-	-	-	0.7	0.3	-	-
		W	-	-	-	-	-	-	-	-	-	-	-	-
		S	-	-	-	-	-	-	-	-	-	-	-	-
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	0.1	0.0	-	-	-	-	-	-	0.5	0.3	-	-
070	Viral hepatitis	E	4.3	2.0	-	-	-	-	0.3	-	0.3	0.3	2.0	0.5
		W	1.4	1.3	-	-	-	-	-	-	-	-	-	-
		S	4.0	4.6	-	-	-	-	-	-	-	-	2.5	2.5
		NI	-	1.2	-	-	-	-	-	-	-	-	-	-
		UK	4.4	2.3	-	-	-	-	0.3	-	0.3	0.6	1.9	0.7
084	Malaria	E	0.2	0.1	-	-	-	-	-	-	-	-	0.3	-
		W	-	-	-	-	-	-	-	-	-	-	-	-
		S	0.4	-	-	-	-	-	-	-	-	-	-	-
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	0.2	0.1	-	-	-	-	-	-	-	-	0.2	-
137	Late effects of tuberculosis	E	1.3	1.0	-	-	-	-	-	-	-	-	-	-
		W	0.7	1.3	-	-	-	-	-	-	-	-	-	-
		S	2.8	1.9	-	-	-	-	-	-	-	-	-	-
		NI	1.2	-	-	-	-	-	-	-	-	-	-	-
		UK	1.4	1.1	-	-	-	-	-	-	-	-	-	-
140-239	II Neoplasms	E	2,767.4	2,466.6	0.04	0.02	40.2	29.9	41.7	24.4	60.3	38.9	88.5	113.3
		W	3,052.9	2,798.6	0.12	-	41.7	14.6	35.2	15.9	49.8	35.7	94.4	109.7
		S	3,021.3	2,808.1	0.03	-	40.2	33.8	42.1	15.8	45.7	47.7	92.8	101.5
		NI	2,390.8	2,079.5	-	-	19.9	41.8	51.3	7.7	55.7	59.3	136.2	115.9
		UK	2,798.4	2,506.6	0.04	0.02	40.9	30.6	43.5	23.2	60.7	40.5	92.6	112.4
140-208	Malignant neoplasms	E	2,730.6	2,428.8	0.03	0.02	36.2	24.1	38.4	23.4	56.0	36.5	84.7	110.4
		W	3,011.9	2,758.4	0.06	-	41.7	14.6	35.2	15.9	44.3	35.7	84.9	109.7
		S	2,998.3	2,770.9	0.03	-	40.2	33.8	42.1	15.8	45.7	41.3	92.8	101.5
		NI	2,321.9	2,005.1	-	-	19.9	41.8	51.3	7.7	47.7	50.8	136.2	115.9
		UK	2,761.5	2,467.5	0.03	0.02	37.6	25.7	40.7	22.4	56.1	37.7	88.8	110.0
140-149	Malignant neoplasm of lip, oral cavity and pharynx	E	41.3	22.4	-	-	-	-	0.9	-	1.6	0.3	2.5	1.3
		W	53.5	26.8	-	-	-	-	-	5.3	5.5	-	-	5.0
		S	67.2	33.4	-	-	-	-	-	-	3.0	3.2	5.0	-
		NI	44.7	20.9	-	-	-	-	-	-	-	-	7.6	-
		UK	44.3	23.5	-	-	-	-	0.8	0.3	1.9	0.6	2.8	1.3
150-159	Malignant neoplasm of digestive organs and peritoneum	E	787.2	637.8	-	0.00	-	-	0.9	-	1.6	1.0	12.8	11.1
		W	938.4	751.3	-	-	-	-	-	-	-	-	23.6	15.0
		S	907.7	731.5	-	-	-	-	-	-	3.0	3.2	15.1	17.8
		NI	757.9	604.9	-	-	-	-	-	-	-	-	37.8	15.5
		UK	805.8	651.6	-	0.00	-	-	0.8	-	1.6	1.1	14.6	12.0
150	Malignant neoplasm of oesophagus	E	143.5	82.0	-	-	-	-	-	-	-	-	1.8	1.3
		W	162.0	100.4	-	-	-	-	-	-	-	-	4.7	-
		S	189.6	98.3	-	-	-	-	-	-	-	-	2.5	-
		NI	112.4	70.8	-	-	-	-	-	-	-	-	7.6	-
		UK	147.7	84.2	-	-	-	-	-	-	-	-	2.1	1.1
151	Malignant neoplasm of stomach	E	149.7	92.1	-	-	-	-	-	-	0.3	-	1.3	2.9
		W	201.6	122.4	-	-	-	-	-	-	-	-	9.4	5.0
		S	155.8	111.2	-	-	-	-	-	-	3.0	-	-	5.1
		NI	146.3	109.1	-	-	-	-	-	-	-	-	-	7.7
		UK	152.8	95.9	-	-	-	-	-	-	0.5	-	1.9	3.3
152	Malignant neoplasm of small intestine, including duodenum	E	5.0	4.6	-	-	-	-	-	-	0.3	-	0.3	-
		W	7.6	6.0	-	-	-	-	-	-	-	-	4.7	-
		S	4.4	4.2	-	-	-	-	-	-	-	-	-	-
		NI	1.2	4.6	-	-	-	-	-	-	-	-	-	-
		UK	5.0	4.6	-	-	-	-	-	-	0.3	-	0.4	-
153	Malignant neoplasm of colon	E	189.4	192.7	-	-	-	-	0.6	-	-	-	4.3	2.4
		W	248.2	227.5	-	-	-	-	-	-	-	-	-	5.0
		S	196.0	193.1	-	-	-	-	-	-	-	-	2.5	-
		NI	213.9	176.5	-	-	-	-	-	-	-	-	7.6	7.7
		UK	193.9	194.2	-	-	-	-	0.5	-	-	-	4.0	2.4

United Kingdom, England, Wales, Scotland, Northern Ireland													SMR	ICD 9 code
35-44		45-54		55-64		65-74		75-84		85 and over		All ages		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
8.3	2.3	9.8	4.3	18.6	6.1	16.7	18.1	33.5	20.6	74.8	68.2	100	93	045-079
5.0	-	-	-	6.5	25.4	23.7	13.6	29.4	18.4	64.3	114.3	70	123	
7.9	7.9	18.4	6.0	11.8	18.0	5.1	16.3	41.7	18.2	47.5	115.1	94	132	
-	8.6	10.4	10.2	13.6	-	-	-	-	21.8	-	-	28	63	
8.2	3.3	10.8	4.6	19.0	8.4	16.6	17.6	33.1	20.3	70.8	72.7	100	100	
-	-	-	-	-	-	-	-	-	-	-	-	121	121	055
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	100	100	
3.9	1.7	8.0	1.5	9.5	2.4	8.9	8.1	11.5	6.7	7.9	1.4	98	87	070
-	-	-	-	-	12.7	7.9	-	14.7	-	-	-	31	55	
2.6	7.9	12.3	6.0	3.9	10.8	5.1	8.2	20.8	6.1	-	-	93	195	
-	-	-	-	-	-	-	-	-	21.8	-	-	-	56	
3.7	2.4	8.5	1.8	10.0	4.0	9.2	7.9	12.1	6.6	6.7	1.2	100	100	
0.3	-	0.3	-	1.2	0.4	-	-	-	-	-	1.4	102	119	084
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.6	-	-	-	-	-	-	-	-	-	-	-	164	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0.5	-	0.3	-	1.0	0.3	-	-	-	-	-	1.2	100	100	
-	-	0.3	0.6	0.8	-	5.2	1.8	12.4	10.3	23.6	4.3	93	94	137
-	-	-	-	-	-	7.9	6.8	-	9.2	-	-	45	111	
-	-	-	3.0	-	-	25.4	4.1	20.8	12.2	-	16.4	212	180	
-	-	-	-	-	-	18.4	-	-	-	-	-	107	-	
-	-	0.3	0.8	0.7	-	7.4	2.2	12.1	10.2	20.2	4.8	100	100	
<b>291.4</b>	<b>460.5</b>	<b>1,277.5</b>	<b>1,429.3</b>	<b>4,284.3</b>	<b>3,360.4</b>	<b>11,131.1</b>	<b>7,231.0</b>	<b>21,029.1</b>	<b>11,792.4</b>	<b>31,099.8</b>	<b>15,995.6</b>	<b>98</b>	<b>98</b>	<b>140-239</b>
<b>330.9</b>	<b>453.4</b>	<b>1,188.0</b>	<b>1,558.8</b>	<b>4,424.8</b>	<b>3,644.7</b>	<b>11,813.7</b>	<b>7,640.7</b>	<b>21,241.3</b>	<b>11,922.4</b>	<b>28,051.2</b>	<b>17,487.7</b>	<b>100</b>	<b>103</b>	
<b>346.5</b>	<b>476.6</b>	<b>1,500.7</b>	<b>1,577.7</b>	<b>5,227.2</b>	<b>3,894.8</b>	<b>13,148.8</b>	<b>8,413.5</b>	<b>22,881.2</b>	<b>13,949.7</b>	<b>33,740.4</b>	<b>19,593.3</b>	<b>113</b>	<b>115</b>	
<b>291.0</b>	<b>444.8</b>	<b>1,450.3</b>	<b>1,326.2</b>	<b>4,402.8</b>	<b>3,371.2</b>	<b>11,713.9</b>	<b>7,370.2</b>	<b>22,537.7</b>	<b>11,804.2</b>	<b>30,668.8</b>	<b>15,857.5</b>	<b>104</b>	<b>98</b>	
<b>301.8</b>	<b>463.6</b>	<b>1,302.7</b>	<b>1,452.7</b>	<b>4,389.7</b>	<b>3,435.0</b>	<b>11,374.5</b>	<b>7,377.4</b>	<b>21,233.7</b>	<b>11,993.9</b>	<b>31,138.7</b>	<b>16,349.0</b>	<b>100</b>	<b>100</b>	
281.9	453.7	1,254.1	1,412.4	4,239.2	3,328.9	11,015.1	7,133.9	20,754.5	11,593.5	30,619.2	15,681.4	98	98	140-208
325.9	438.3	1,167.5	1,548.6	4,392.3	3,594.0	11,679.2	7,565.6	20,903.2	11,710.5	27,729.5	17,190.5	100	103	
341.2	474.0	1,488.4	1,562.7	5,199.6	3,869.5	13,067.4	8,340.2	22,683.2	13,749.0	33,312.7	19,067.3	114	115	
264.6	444.8	1,398.1	1,326.2	4,307.4	3,243.5	11,437.2	7,135.3	21,746.9	11,303.2	30,016.3	15,053.1	102	96	
292.5	456.9	1,279.5	1,435.7	4,345.5	3,400.5	11,256.1	7,279.8	20,950.0	11,787.1	30,666.7	16,009.8	100	100	
9.7	4.8	50.1	12.9	103.1	32.0	145.3	79.9	189.4	86.1	260.0	142.1	93	95	140-149
20.1	10.1	87.1	5.1	117.3	50.7	142.4	54.6	176.4	101.3	450.4	182.9	112	105	
13.2	-	95.1	24.0	181.6	50.5	244.2	122.3	239.6	145.9	522.7	180.8	155	144	
-	17.1	62.6	10.2	95.4	12.8	276.7	88.1	215.7	87.1	326.3	229.8	119	104	
10.5	5.0	56.3	13.4	110.5	34.2	157.2	82.6	193.2	92.0	290.0	149.0	100	100	
78.8	51.2	395.8	217.0	1,293.2	651.2	3,244.8	1,716.6	5,851.4	3,506.3	8,319.5	5,535.1	97	97	150-159
120.3	70.5	312.4	259.0	1,459.7	767.0	3,663.6	1,869.2	6,717.8	3,703.9	7,463.2	5,897.8	106	106	
127.0	60.2	475.7	294.0	1,693.7	833.8	3,969.1	2,034.1	6,887.3	4,007.3	8,316.3	6,739.3	118	117	
61.7	59.9	553.0	265.2	1,581.2	778.9	3,855.4	2,011.4	6,326.4	3,942.0	9,951.1	6,147.7	114	112	
85.0	53.4	403.8	227.2	1,349.2	679.6	3,351.5	1,763.5	5,995.0	3,572.8	8,318.3	5,662.1	100	100	
16.1	4.3	91.3	20.6	267.4	77.3	606.3	227.2	966.3	467.5	1,264.5	720.7	97	97	150
35.1	-	76.8	40.6	260.7	63.4	585.5	266.1	1,190.7	479.1	965.1	937.2	100	109	
42.3	2.6	122.8	39.0	422.4	86.6	753.1	277.2	1,417.1	583.8	1,093.0	936.9	133	122	
-	-	83.5	20.4	313.5	140.5	590.3	190.9	862.7	544.5	815.7	574.5	92	102	
18.9	3.8	93.0	23.4	282.1	79.1	618.7	233.3	1,011.3	480.7	1,230.7	747.4	100	100	
14.2	11.1	54.4	20.6	211.9	70.4	629.8	239.4	1,208.4	527.6	1,717.5	885.6	97	96	151
40.1	20.2	41.0	25.4	273.7	114.1	854.6	266.1	1,425.9	608.1	1,608.4	1,143.0	120	117	
5.3	15.7	52.2	30.0	311.9	93.9	758.2	379.1	1,135.7	614.2	1,425.7	904.1	107	121	
26.5	8.6	177.4	20.4	340.8	140.5	682.5	411.1	1,042.4	566.3	1,631.3	1,436.4	117	138	
14.9	12.1	56.6	21.6	227.6	77.0	654.5	258.0	1,211.0	540.2	1,689.3	912.2	100	100	
1.7	1.7	4.6	1.2	9.5	8.5	16.2	11.7	33.5	27.9	43.3	17.1	100	99	152
-	-	-	5.1	19.6	6.3	23.7	20.5	44.1	27.6	64.3	22.9	140	120	
2.6	-	6.1	-	3.9	18.0	20.4	-	31.3	24.3	-	32.9	91	92	
-	-	-	20.4	-	-	-	-	14.7	35.9	21.8	-	29	118	
1.9	1.4	4.4	1.8	9.3	9.0	16.6	11.2	34.0	27.4	40.5	18.2	100	100	
12.5	13.9	80.8	68.8	294.3	194.2	750.6	489.1	1,477.2	1,066.1	2,355.6	1,756.9	97	99	153
30.1	20.2	81.9	55.9	397.5	247.2	973.3	593.5	1,749.3	1,179.3	2,058.8	1,600.2	117	108	
21.2	20.9	95.1	75.0	343.5	245.5	798.9	489.2	1,510.8	1,027.7	2,756.3	1,956.0	106	104	
26.5	8.6	93.9	40.8	340.8	229.9	1,033.0	616.6	2,156.7	1,154.3	3,752.0	1,896.0	135	110	
14.7	14.7	82.4	67.9	306.6	203.7	775.4	498.5	1,512.5	1,072.2	2,397.4	1,766.2	100	100	



Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
154	Malignant neoplasm of rectum, rectosigmoid junction and anus	E	105.8	76.8	-	-	-	-	-	-	-	-	1.0	2.1
		W	129.3	74.3	-	-	-	-	-	-	-	-	-	-
		S	148.9	111.5	-	-	-	-	-	-	-	-	2.5	7.6
		NI	81.0	54.6	-	-	-	-	-	-	-	-	-	-
		UK	110.2	79.1	-	-	-	-	-	-	-	-	1.1	2.4
155	Malignant neoplasm of liver, specified as primary	E	17.4	5.9	-	0.00	-	-	0.3	-	0.7	0.7	0.5	0.3
		W	20.9	7.4	-	-	-	-	-	-	-	-	-	5.0
		S	27.8	9.9	-	-	-	-	-	-	-	3.2	-	2.5
		NI	16.9	3.5	-	-	-	-	-	-	-	-	7.6	-
		UK	18.7	6.2	-	0.00	-	-	0.3	-	0.5	0.9	0.6	0.7
157	Malignant neoplasm of pancreas	E	109.2	110.7	-	-	-	-	-	-	0.3	-	1.5	1.1
		W	105.0	129.1	-	-	-	-	-	-	-	-	4.7	-
		S	116.3	120.7	-	-	-	-	-	-	-	-	5.0	-
		NI	106.4	76.6	-	-	-	-	-	-	-	-	7.6	-
		UK	109.8	111.7	-	-	-	-	-	-	0.3	-	2.1	0.9
160-165	Malignant neoplasm of respiratory and intrathoracic organs	E	777.3	427.8	-	-	-	-	-	-	0.3	0.3	4.8	3.2
		W	804.2	470.3	-	-	-	-	-	-	-	-	-	10.0
		S	1,015.5	644.6	-	-	-	-	-	-	3.0	-	-	2.5
		NI	653.9	356.4	-	-	-	-	-	-	-	-	-	7.7
		UK	796.6	447.6	-	-	-	-	-	-	0.5	0.3	4.0	3.5
161	Malignant neoplasm of larynx	E	22.0	6.0	-	-	-	-	-	-	-	-	0.3	-
		W	30.6	5.4	-	-	-	-	-	-	-	-	-	-
		S	41.1	9.9	-	-	-	-	-	-	-	-	-	-
		NI	29.0	8.1	-	-	-	-	-	-	-	-	-	-
		UK	24.3	6.3	-	-	-	-	-	-	-	-	0.2	-
162	Malignant neoplasm trachea, bronchus and lung	E	734.6	416.2	-	-	-	-	-	-	-	0.3	3.3	2.9
		W	761.1	459.6	-	-	-	-	-	-	-	-	-	10.0
		S	938.7	626.8	-	-	-	-	-	-	3.0	-	-	2.5
		NI	577.8	344.8	-	-	-	-	-	-	-	-	-	7.7
		UK	750.0	435.5	-	-	-	-	-	-	0.3	0.3	2.8	3.3
170-175	Malignant neoplasm of bone, connective tissue, skin and breast	E	57.3	488.0	0.01	-	1.6	2.5	4.3	2.6	13.4	9.7	14.8	40.1
		W	55.6	541.2	-	-	-	-	-	-	-	5.9	18.9	29.9
		S	53.9	483.8	-	-	-	-	3.0	-	12.2	6.4	12.5	33.0
		NI	49.6	384.3	-	-	-	-	-	-	23.9	-	30.3	23.2
		UK	56.9	488.0	0.01	0.00	1.3	2.1	3.8	2.1	13.0	8.9	15.5	38.6
170	Malignant neoplasm of bone and articular cartilage	E	4.6	3.3	-	-	-	0.8	1.5	2.2	8.2	4.1	3.8	1.8
		W	4.2	2.0	-	-	-	-	-	-	-	5.9	14.2	-
		S	3.2	2.3	-	-	-	-	3.0	-	9.1	3.2	2.5	2.5
		NI	7.3	3.5	-	-	-	-	-	-	15.9	-	15.1	-
		UK	4.6	3.1	-	-	-	0.7	1.5	1.9	8.1	4.0	4.4	1.8
172	Malignant melanoma of skin	E	27.7	28.3	-	-	-	-	-	-	1.3	1.0	7.3	6.6
		W	28.5	22.7	-	-	-	-	-	-	-	-	-	5.0
		S	27.4	28.8	-	-	-	-	-	-	-	3.2	10.0	2.5
		NI	14.5	18.6	-	-	-	-	-	-	-	-	-	15.5
		UK	27.4	27.9	-	-	-	-	-	-	1.1	1.1	7.0	6.4
173	Other malignant neoplasm of skin	E	8.8	6.1	-	-	-	-	-	-	-	-	0.3	0.5
		W	11.1	9.4	-	-	-	-	-	-	-	-	-	-
		S	14.1	7.6	-	-	-	-	-	-	-	-	-	-
		NI	9.7	5.8	-	-	-	-	-	-	-	-	-	-
		UK	9.4	6.4	-	-	-	-	-	-	-	-	0.2	0.4
174	Malignant neoplasm of female breast	E	-	438.2	-	-	-	-	-	-	-	1.4	-	28.8
		W	-	493.7	-	-	-	-	-	-	-	-	-	19.9
		S	-	433.3	-	-	-	-	-	-	-	-	-	25.4
		NI	-	344.8	-	-	-	-	-	-	-	-	-	7.7
		UK	-	438.4	-	-	-	-	-	-	-	1.1	-	27.5
179-189	Malignant neoplasm of genitourinary organs	E	514.8	352.2	-	-	3.2	1.7	1.2	1.6	3.6	2.1	5.3	24.8
		W	552.6	409.4	0.06	-	13.9	-	-	-	-	-	-	29.9
		S	473.0	382.1	-	-	16.1	8.4	3.0	-	6.1	6.4	10.0	27.9
		NI	383.2	270.5	-	-	-	-	-	-	-	16.9	7.6	30.9
		UK	509.8	356.0	0.00	-	4.6	2.1	1.3	1.3	3.5	2.9	5.5	25.5
179,182	Malignant neoplasm of uterus, other and unspecified	E	-	48.1	-	-	-	-	-	-	-	-	-	0.5
		W	-	58.2	-	-	-	-	-	-	-	-	-	-
		S	-	41.7	-	-	-	-	-	-	-	-	-	-
		NI	-	39.5	-	-	-	-	-	-	-	-	-	-
		UK	-	47.8	-	-	-	-	-	-	-	-	-	0.4

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR		ICD 9 code
35-44		45-54		55-64		65-74		75-84		85 and over		All ages		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
10.3	5.1	57.5	30.4	174.7	82.9	455.8	198.7	742.4	399.6	1,110.8	709.3	96	97	154
5.0	5.0	51.2	60.9	182.5	44.4	451.0	170.6	1,073.1	350.1	1,093.7	640.1	107	86	
34.4	10.5	79.8	45.0	236.9	129.9	681.9	260.9	1,114.9	662.8	1,378.1	1,035.6	141	147	
-	17.1	62.6	40.8	149.9	63.8	424.3	249.6	718.9	304.9	1,141.9	287.3	89	83	
11.9	5.9	59.2	33.5	180.3	84.7	475.9	204.2	789.8	417.2	1,136.3	720.8	100	100	
4.2	1.7	10.1	2.5	35.6	12.1	82.1	18.1	107.2	24.9	59.1	25.6	93	94	155
-	-	5.1	-	52.1	12.7	102.9	20.5	88.2	27.6	128.7	45.7	102	110	
2.6	-	24.6	3.0	63.2	21.7	157.7	20.4	125.0	60.8	47.5	32.9	152	160	
-	-	-	-	13.6	-	184.5	14.7	71.9	43.6	-	-	108	65	
3.7	1.4	11.9	2.3	39.4	12.7	93.0	18.3	106.7	28.5	60.7	26.7	100	100	
13.3	6.8	65.5	43.0	192.1	126.2	442.7	325.6	790.3	615.5	1,016.3	803.1	99	99	157
5.0	25.2	25.6	45.7	189.0	158.5	411.5	327.5	661.5	645.0	1,158.1	823.0	87	106	
10.6	5.2	55.2	84.0	213.2	176.9	524.1	387.3	937.8	541.2	855.4	904.1	110	111	
8.8	8.6	114.8	61.2	272.6	76.6	516.5	190.9	790.8	544.5	815.7	861.8	117	82	
12.6	7.6	63.8	47.1	196.5	132.0	451.0	328.3	796.3	609.8	1,008.2	815.3	100	100	
43.8	32.7	325.4	213.7	1,354.4	622.5	3,573.6	1,684.1	5,810.3	2,183.7	6,023.0	1,493.9	97	96	160-165
10.0	25.2	271.4	208.2	1,375.0	659.2	3,608.2	1,828.3	5,277.2	2,063.9	4,889.7	1,348.7	92	96	
60.8	62.8	515.6	240.0	1,899.0	1,025.1	4,946.1	2,523.2	7,502.0	3,368.8	7,508.4	2,251.9	132	145	
26.5	25.7	313.0	183.6	1,322.2	600.2	3,966.1	1,879.3	6,182.6	1,873.0	3,915.2	1,378.9	100	93	
43.5	34.9	340.2	215.7	1,406.1	662.2	3,707.8	1,777.3	5,924.6	2,272.4	6,025.4	1,540.9	100	100	
0.6	-	14.1	5.2	52.6	10.1	100.9	13.1	122.5	38.2	153.6	22.7	90	94	161
-	-	25.6	5.1	71.7	12.7	118.7	20.5	147.0	18.4	193.0	-	115	77	
5.3	2.6	39.9	9.0	122.4	32.5	183.2	36.7	145.9	18.2	285.1	16.4	174	158	
-	-	31.3	-	27.3	12.8	166.0	29.4	323.5	87.1	163.1	-	143	151	
0.9	0.2	17.3	5.4	59.4	12.4	110.5	16.1	130.1	36.6	165.2	20.6	100	100	
40.8	32.2	295.6	204.1	1,255.1	602.7	3,381.8	1,649.8	5,570.1	2,121.9	5,759.1	1,451.3	98	96	162
10.0	25.2	240.7	203.1	1,283.8	640.2	3,426.2	1,787.4	5,042.0	2,008.6	4,696.6	1,348.7	92	97	
55.5	57.6	448.1	228.0	1,697.7	963.8	4,605.1	2,470.3	7,158.2	3,320.2	6,748.1	2,202.6	130	145	
26.5	25.7	271.3	173.4	1,131.4	587.4	3,505.0	1,849.9	5,535.6	1,742.3	3,588.9	1,378.9	94	93	
40.5	34.0	306.4	206.1	1,295.6	638.8	3,497.3	1,741.1	5,667.6	2,210.5	5,728.7	1,500.9	100	100	
26.6	194.1	49.8	509.9	99.3	842.9	157.3	1,213.1	312.9	1,724.1	602.7	2,999.3	100	100	170-175
20.1	141.1	51.2	538.2	117.3	741.6	166.2	1,268.9	279.3	1,898.0	257.4	3,634.7	92	104	
23.8	193.8	36.8	545.9	98.7	826.6	178.1	1,206.6	270.9	1,763.5	807.9	3,106.7	98	101	
17.6	222.4	31.3	489.7	81.8	830.0	147.6	1,086.4	323.5	1,589.9	978.8	2,413.1	102	92	
25.8	192.8	49.1	515.7	99.8	837.4	159.8	1,213.4	308.0	1,734.8	606.9	3,028.5	100	100	
1.7	1.4	3.1	1.5	7.0	2.8	7.8	4.1	12.4	9.1	27.6	19.9	101	104	170
-	-	-	5.1	6.5	-	7.9	6.8	-	-	64.3	-	89	62	
-	-	3.1	-	3.9	-	-	8.2	-	6.1	47.5	16.4	71	74	
-	-	10.4	10.2	-	-	-	14.7	35.9	21.8	-	-	164	119	
1.4	1.2	3.1	1.8	6.6	2.3	7.0	4.9	11.3	8.6	30.3	18.2	100	100	
16.9	15.9	32.0	25.5	53.4	43.7	81.0	78.1	143.5	106.1	173.3	126.5	101	101	172
15.0	15.1	35.8	10.2	84.7	25.4	47.5	61.4	176.4	82.9	-	137.2	97	76	
10.6	18.3	24.6	27.0	67.1	54.1	101.8	69.3	83.4	103.4	332.7	147.9	102	104	
8.8	8.6	20.9	10.2	27.3	12.8	36.9	44.0	143.8	108.9	163.1	172.4	62	77	
16.1	15.9	31.8	24.7	55.6	42.9	79.9	75.9	140.7	105.2	175.3	129.6	100	100	
0.6	0.3	1.8	2.1	8.7	4.0	22.5	10.4	76.5	29.1	240.3	89.6	92	95	173
-	-	10.2	-	-	-	63.3	13.6	44.1	55.3	193.0	137.2	108	135	
2.6	2.6	-	3.0	11.8	3.6	50.9	16.3	135.5	30.4	380.2	131.5	162	127	
-	8.6	-	-	13.6	-	36.9	-	71.9	-	489.4	229.8	129	112	
0.7	0.7	2.1	2.1	8.6	3.7	27.9	10.8	79.2	30.0	252.9	98.1	100	100	
-	171.6	-	467.2	-	768.1	-	1,088.4	-	1,542.1	-	2,722.1	-	100	174
-	120.9	-	507.7	-	690.9	-	1,152.9	-	1,722.9	-	3,314.7	-	105	
-	167.6	-	500.9	-	754.4	-	1,084.3	-	1,575.0	-	2,745.0	-	101	
-	179.6	-	469.3	-	778.9	-	1,013.0	-	1,415.6	-	1,953.5	-	92	
-	169.6	-	473.8	-	764.7	-	1,090.4	-	1,552.4	-	2,739.0	-	100	
19.7	86.8	101.4	239.4	466.1	567.5	1,767.2	1,044.6	4,765.5	1,553.0	10,320.6	1,958.8	100	99	179-189
10.0	85.7	107.5	340.2	534.4	703.6	1,875.3	1,084.7	4,409.9	1,428.1	9,715.0	2,217.4	99	106	
39.7	70.7	92.1	210.0	469.8	617.3	1,862.4	1,125.1	4,344.9	1,708.7	10,407.3	2,761.5	100	109	
8.8	59.9	52.2	153.0	408.9	510.8	1,420.4	910.3	4,924.5	1,459.2	10,766.7	2,068.4	94	89	
21.2	84.8	100.0	240.9	468.6	579.5	1,774.9	1,053.0	4,721.8	1,559.0	10,311.0	2,033.9	100	100	
-	4.3	-	18.4	-	68.8	-	153.1	-	231.0	-	342.6	-	100	179,182
-	-	-	40.6	-	63.4	-	177.4	-	248.8	-	365.8	-	112	
-	-	-	12.0	-	79.4	-	122.3	-	206.8	-	328.7	-	89	
-	-	-	20.4	-	63.8	-	146.8	-	217.8	-	402.2	-	98	
-	3.6	-	19.3	-	69.3	-	151.4	-	229.7	-	344.0	-	100	

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
180	Malignant neoplasm of cervix uteri	E	-	42.9	-	-	-	-	-	-	-	1.4	-	14.3
		W	-	51.5	-	-	-	-	-	-	-	-	-	10.0
		S	-	55.0	-	-	-	-	-	-	-	6.4	-	12.7
		NI	-	38.3	-	-	-	-	-	-	-	8.5	-	23.2
		UK	-	44.4	-	-	-	-	-	-	-	2.0	-	14.2
183	Malignant neoplasm of ovary and other uterine adnexa	E	-	149.1	-	-	-	0.8	-	-	-	0.7	-	6.9
		W	-	182.6	-	-	-	-	-	-	-	-	-	19.9
		S	-	154.8	-	-	-	-	-	-	-	-	-	10.2
		NI	-	109.1	-	-	-	-	-	-	-	8.5	-	7.7
		UK	-	150.5	-	-	-	0.7	-	-	-	0.9	-	7.8
185	Malignant neoplasm of prostate	E	330.9	-	-	-	-	-	-	-	-	-	-	-
		W	345.5	-	-	-	-	-	-	-	-	-	-	-
		S	272.5	-	-	-	8.0	-	3.0	-	-	-	-	-
		NI	265.9	-	-	-	-	-	-	-	-	-	-	-
		UK	325.1	-	-	-	0.7	-	0.3	-	-	-	-	-
186	Malignant neoplasm of testis	E	2.9	-	-	-	-	-	-	-	3.6	-	2.8	-
		W	2.8	-	-	-	-	-	-	-	-	-	-	-
		S	4.4	-	-	-	-	-	-	-	6.1	-	7.5	-
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	3.0	-	-	-	-	-	-	-	3.5	-	3.0	-
188	Malignant neoplasm of bladder	E	114.4	56.7	-	-	-	-	-	-	-	-	0.3	1.1
		W	125.8	54.2	-	-	-	-	-	-	-	-	-	-
		S	114.3	70.2	-	-	-	-	-	-	-	-	-	-
		NI	62.9	29.0	-	-	-	-	-	-	-	-	7.6	-
		UK	113.6	57.0	-	-	-	-	-	-	-	-	0.4	0.9
189	Malignant neoplasm of kidney and other and unspecified urinary organs	E	63.3	40.1	-	-	3.2	0.8	1.2	1.6	-	-	2.3	1.3
		W	73.7	44.8	0.06	-	13.9	-	-	-	-	-	-	-
		S	76.5	45.2	-	-	8.0	8.4	-	-	-	-	2.5	-
		NI	50.8	43.0	-	-	-	-	-	-	-	-	-	-
		UK	64.6	40.9	0.00	-	4.0	1.4	1.0	1.3	-	-	2.1	1.1
190-199	Malignant neoplasm of other and unspecified sites	E	349.9	325.0	0.01	0.01	21.3	11.6	14.3	11.5	12.1	8.6	19.4	16.9
		W	381.6	375.3	-	-	27.8	14.6	25.2	5.3	11.1	17.8	18.9	19.9
		S	295.0	305.4	-	-	16.1	25.3	9.0	9.5	3.0	9.5	22.6	-
		NI	230.9	206.7	-	-	-	20.9	7.3	-	8.0	8.5	22.7	23.2
		UK	344.1	323.2	0.01	0.01	21.8	13.2	14.7	10.6	11.4	9.4	20.1	16.0
191	Malignant neoplasm of brain	E	60.9	45.7	0.00	0.00	9.5	3.3	10.3	8.3	6.6	5.9	10.3	10.3
		W	70.9	48.2	-	-	13.9	14.6	10.1	5.3	5.5	11.9	14.2	10.0
		S	60.8	46.7	-	-	8.0	16.9	3.0	3.2	3.0	6.4	10.0	-
		NI	60.4	39.5	-	-	-	20.9	7.3	-	8.0	8.5	22.7	15.5
		UK	61.6	45.9	0.00	0.00	9.9	5.6	10.1	7.5	6.2	6.3	11.0	9.5
200-208	Malignant neoplasm of lymphatic and haematopoietic tissue	E	202.8	175.6	0.01	0.00	10.2	8.3	16.7	7.7	23.3	14.5	25.1	12.9
		W	225.9	184.0	-	-	-	-	10.1	5.3	27.7	11.9	23.6	-
		S	186.0	190.1	0.03	-	8.0	-	27.1	6.3	15.2	12.7	27.6	20.3
		NI	201.9	161.4	-	-	19.9	20.9	44.0	7.7	15.9	25.4	30.3	15.5
		UK	203.9	177.6	0.01	0.00	9.9	8.3	19.5	8.0	24.1	14.6	26.3	13.1
201	Hodgkin's disease	E	5.3	4.6	-	-	-	-	-	-	1.3	2.1	4.8	2.1
		W	13.9	2.0	-	-	-	-	-	-	5.5	-	4.7	-
		S	8.5	8.0	-	-	-	-	-	-	-	-	7.5	5.1
		NI	7.3	7.0	-	-	-	-	-	-	-	8.5	-	-
		UK	6.2	4.8	-	-	-	-	-	-	1.4	2.0	4.9	2.2
204-208	Leukaemia	E	73.0	60.2	0.01	0.00	9.5	6.6	14.3	7.1	16.1	9.7	11.1	5.8
		W	89.0	65.6	-	-	-	-	10.1	5.3	22.1	11.9	18.9	-
		S	70.8	58.1	0.03	-	8.0	-	24.1	6.3	15.2	9.5	12.5	10.2
		NI	70.1	40.6	-	-	19.9	20.9	36.6	7.7	-	16.9	7.6	7.7
		UK	74.2	60.1	0.01	0.00	9.2	6.9	16.7	7.5	17.4	10.0	11.7	6.0
205	Myeloid leukaemia	E	41.2	37.0	0.01	-	3.9	4.1	3.3	1.6	4.3	6.2	6.8	4.2
		W	52.1	40.8	-	-	-	-	-	-	5.5	-	14.2	-
		S	36.2	39.1	0.03	-	8.0	-	3.0	-	3.0	3.2	10.0	7.6
		NI	36.3	23.2	-	-	-	20.9	-	-	-	-	7.6	7.7
		UK	41.7	37.3	0.01	-	4.0	4.2	3.5	1.9	5.4	5.4	7.6	4.4
210-239	Benign, in situ, other and unspecified neoplasms	E	36.8	37.8	0.01	0.00	3.9	5.8	3.3	1.0	4.3	2.4	3.8	2.9
		W	41.0	40.1	0.06	-	-	-	-	-	5.5	-	9.4	-
		S	22.9	37.2	-	-	-	-	-	-	-	6.4	-	-
		NI	68.9	74.3	-	-	-	-	-	-	8.0	8.5	-	-
		UK	36.9	39.1	0.01	0.00	3.3	4.9	2.8	0.8	4.6	2.9	3.8	2.4

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR	ICD 9
												All ages	code
35-44		45-54		55-64		65-74		75-84		85 and over			
M	F	M	F	M	F	M	F	M	F	M	F	M	F
-	43.3	-	51.3	-	61.9	-	93.0	-	146.8	-	142.1	-	97
-	40.3	-	60.9	-	95.1	-	129.6	-	129.0	-	160.0	-	110
-	36.7	-	57.0	-	65.0	-	126.4	-	218.9	-	328.7	-	125
-	34.2	-	40.8	-	63.8	-	73.4	-	152.5	-	229.8	-	98
-	42.5	-	52.0	-	64.0	-	97.6	-	153.0	-	158.7	-	100
-	31.0	-	129.2	-	323.6	-	485.0	-	584.0	-	494.7	-	99
-	35.3	-	182.8	-	399.3	-	532.1	-	516.0	-	662.9	-	112
-	20.9	-	105.0	-	324.9	-	497.3	-	675.0	-	624.6	-	103
-	17.1	-	81.6	-	255.4	-	455.1	-	500.9	-	459.6	-	84
-	29.9	-	129.4	-	327.3	-	489.5	-	586.9	-	512.4	-	100
0.8	-	23.4	-	206.6	-	1,071.5	-	3,384.9	-	7,488.4	-	101	-
-	-	30.7	-	215.1	-	1,115.7	-	2,925.3	-	7,591.8	-	97	-
-	-	15.3	-	177.7	-	1,068.6	-	2,698.6	-	7,413.4	-	91	-
-	-	10.4	-	218.1	-	756.3	-	3,918.0	-	8,646.0	-	103	-
0.7	-	23.0	-	204.8	-	1,067.1	-	3,321.6	-	7,519.2	-	100	-
3.6	-	5.5	-	1.7	-	4.2	-	3.8	-	7.9	-	98	-
5.0	-	5.1	-	13.0	-	-	-	-	-	-	-	95	-
7.9	-	3.1	-	-	-	5.1	-	10.4	-	-	-	149	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.0	-	5.2	-	2.1	-	3.9	-	4.0	-	6.7	-	100	-
3.3	2.8	24.3	9.2	122.9	40.9	420.8	149.5	988.3	326.9	2,213.8	580.0	100	99
5.0	5.0	30.7	5.1	162.9	44.4	379.8	68.2	1,058.4	285.6	1,865.8	708.7	101	87
2.6	2.6	15.3	21.0	122.4	68.6	422.3	203.8	1,146.1	334.5	2,566.2	871.2	108	130
-	-	10.4	-	95.4	12.8	350.5	117.5	575.1	239.6	1,305.1	287.3	69	62
3.3	2.8	23.5	9.8	124.3	42.9	417.4	149.6	996.7	323.2	2,201.8	602.1	100	100
10.5	4.8	46.4	28.9	130.4	61.1	261.3	126.0	364.5	178.9	551.5	227.4	98	98
-	-	35.8	40.6	130.3	69.7	364.0	116.0	411.6	193.5	193.0	228.6	105	101
23.8	7.9	58.3	12.0	161.9	68.6	340.9	154.9	458.5	182.4	380.2	394.5	122	112
8.8	8.6	31.3	10.2	81.8	89.4	295.2	102.8	395.4	304.9	815.7	402.2	94	124
11.6	5.0	46.5	27.5	131.9	63.3	275.1	127.9	375.1	182.9	526.0	243.5	100	100
57.7	50.4	203.1	143.7	599.8	394.8	1,366.3	919.1	2,444.5	1,651.9	3,356.2	2,329.8	101	100
55.1	55.4	184.3	147.2	534.4	469.1	1,455.9	975.5	2,543.1	1,686.1	3,216.9	2,560.3	102	107
50.3	55.0	156.5	165.0	584.3	292.4	1,160.2	839.7	2,011.0	1,714.8	3,754.2	2,482.0	89	97
105.8	25.7	219.1	112.2	436.2	280.9	922.4	587.3	2,084.8	1,415.6	2,120.7	1,838.6	81	76
58.4	51.3	199.2	145.7	591.9	387.9	1,346.1	908.7	2,409.0	1,655.6	3,355.0	2,345.3	100	100
33.9	23.3	76.2	46.7	152.3	100.7	214.8	147.2	186.6	125.5	126.1	65.4	99	100
30.1	20.2	87.1	86.3	143.4	120.4	292.8	109.2	161.7	82.9	128.7	22.9	108	99
18.5	20.9	55.2	63.0	205.3	72.2	173.0	159.0	260.5	152.0	380.2	82.2	99	101
79.4	8.6	146.1	71.4	136.3	102.2	129.1	88.1	179.7	130.7	-	114.9	112	96
33.5	22.8	77.2	51.5	156.1	99.5	213.9	144.7	190.8	125.5	141.6	65.4	100	100
45.5	33.6	128.5	75.8	323.3	218.0	760.5	476.5	1,380.6	888.4	1,737.2	1,222.4	99	99
90.2	50.4	153.6	50.8	254.2	202.8	767.5	484.4	1,499.4	829.2	1,737.1	1,348.7	102	96
26.5	31.4	116.6	84.0	272.4	223.8	707.3	489.2	1,427.5	1,039.8	1,995.9	1,545.1	95	110
44.1	34.2	166.9	112.2	381.7	229.9	848.6	572.6	1,689.4	936.5	1,957.6	976.7	118	107
48.0	34.7	131.0	77.2	319.4	219.7	758.9	481.3	1,398.5	900.4	1,760.1	1,250.2	100	100
1.9	3.7	5.8	3.4	8.7	6.5	13.6	9.9	28.7	18.2	15.8	14.2	86	95
10.0	-	30.7	-	6.5	-	23.7	-	73.5	-	64.3	68.6	214	39
2.6	2.6	12.3	6.0	19.7	3.6	15.3	28.5	52.1	30.4	-	49.3	140	166
-	8.6	10.4	10.2	13.6	-	18.4	-	107.8	65.3	-	-	135	162
3.0	3.6	7.7	3.6	9.7	5.7	14.4	10.8	34.8	19.3	16.9	19.4	100	100
16.1	16.5	37.8	25.2	93.6	66.3	260.8	147.2	515.7	275.9	705.1	491.8	98	100
40.1	35.3	51.2	15.2	91.2	44.4	245.3	163.7	588.0	304.0	965.1	480.1	111	101
7.9	13.1	36.8	12.0	59.2	57.8	300.2	159.0	500.1	279.7	902.9	558.9	100	100
-	17.1	83.5	30.6	122.7	12.8	332.0	132.1	359.5	239.6	978.8	229.8	111	79
16.3	17.6	40.0	24.2	92.5	63.3	265.5	149.6	515.7	278.0	738.4	491.8	100	100
11.7	13.4	25.8	21.2	57.5	53.0	151.6	96.2	295.6	164.3	323.0	220.3	98	99
25.1	35.3	41.0	15.2	58.7	31.7	174.1	116.0	279.3	175.1	514.7	228.6	116	102
2.6	13.1	24.6	9.0	27.6	39.7	157.7	114.1	270.9	188.5	427.7	345.2	90	107
-	8.6	73.0	30.6	95.4	12.8	129.1	58.7	179.7	196.0	489.4	-	103	72
11.4	14.5	28.2	20.6	57.0	49.9	153.3	98.3	290.2	168.7	343.9	226.5	100	100
9.4	6.8	23.4	16.9	45.1	31.5	116.0	97.1	274.6	198.9	480.6	314.1	99	96
5.0	15.1	20.5	10.2	32.6	50.7	134.5	75.0	338.1	211.9	321.7	297.2	103	95
5.3	2.6	12.3	15.0	27.6	25.3	81.4	73.4	198.0	200.7	427.7	526.0	65	99
26.5	-	52.2	-	95.4	127.7	276.7	234.9	790.8	500.9	652.5	804.4	223	227
9.3	6.6	23.2	17.0	44.2	34.5	118.3	97.6	283.7	206.8	472.1	339.2	100	100

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population									
							1-4		5-14		15-24		25-34			
			M	F	M	F	M	F	M	F	M	F	M	F		
210-229	Benign neoplasms	E	6.0	9.3	0.01	-	0.8	1.7	0.9	0.3	1.3	1.0	1.5	0.3		
		W	7.6	13.4	0.06	-	-	-	-	-	-	-	-	-		
		S	4.8	7.6	-	-	-	-	-	-	-	3.2	-	-		
		NI	9.7	8.1	-	-	-	-	-	-	-	-	-	-		
		UK	6.1	9.3	0.01	-	0.7	1.4	0.8	0.3	1.4	1.1	1.3	0.2		
225	Benign neoplasm of brain and other parts of nervous system	E	3.5	5.8	-	-	-	0.8	-	-	0.7	0.3	0.5	-		
		W	3.5	6.7	-	-	-	-	-	-	-	-	-	-		
		S	3.2	5.3	-	-	-	-	-	-	-	-	-	-		
		NI	2.4	7.0	-	-	-	-	-	-	-	-	-	-		
		UK	3.4	5.8	-	-	-	0.7	-	-	0.5	0.3	0.4	-		
240-279	III Endocrine, nutritional and metabolic diseases and immunity disorders	E	132.5	149.0	0.07	0.04	7.9	9.1	5.5	6.4	12.4	13.8	21.9	9.0		
		W	174.5	186.7	-	0.12	13.9	-	5.0	10.6	16.6	29.7	33.0	10.0		
		S	154.2	157.1	0.10	0.07	-	-	9.0	6.3	12.2	15.9	20.1	7.6		
		NI	47.1	53.4	0.16	-	-	41.8	7.3	7.7	15.9	16.9	30.3	15.5		
		UK	134.8	149.4	0.08	0.05	8.6	9.0	5.8	6.7	13.0	15.4	22.7	9.1		
240-259, 270-279	Endocrine and metabolic diseases, immunity disorders	E	131.5	147.4	0.07	0.04	7.1	9.1	5.5	6.4	12.4	13.8	21.4	9.0		
		W	171.7	185.3	-	0.12	13.9	-	5.0	10.6	16.6	29.7	33.0	10.0		
		S	151.7	154.8	0.10	0.07	-	-	9.0	6.3	12.2	15.9	20.1	7.6		
		NI	45.9	53.4	0.16	-	-	41.8	7.3	7.7	15.9	16.9	22.7	15.5		
		UK	133.5	147.8	0.08	0.05	7.9	9.0	5.8	6.7	13.0	15.4	22.0	9.1		
240-246	Disorders of thyroid gland	E	1.1	7.3	-	-	-	-	0.3	-	-	-	0.3	0.3		
		W	-	7.4	-	-	-	-	-	-	-	-	-	-		
		S	0.4	4.2	-	-	-	-	-	-	-	-	-	-		
		NI	1.2	-	-	-	-	-	7.3	-	-	-	-	-		
		UK	1.0	6.8	-	-	-	-	0.5	-	-	-	0.2	0.2		
242	Thyrotoxicosis with or without goitre	E	0.5	2.1	-	-	-	-	0.3	-	-	-	0.3	0.3		
		W	-	2.0	-	-	-	-	-	-	-	-	-	-		
		S	-	1.5	-	-	-	-	-	-	-	-	-	-		
		NI	1.2	-	-	-	-	-	7.3	-	-	-	-	-		
		UK	0.4	2.0	-	-	-	-	0.5	-	-	-	0.2	0.2		
250	Diabetes mellitus	E	106.0	115.7	-	-	-	0.8	0.3	0.6	2.6	2.4	7.3	3.2		
		W	140.4	147.2	-	-	-	-	-	-	5.5	-	9.4	-		
		S	112.7	111.5	-	-	-	-	-	-	6.1	3.2	15.1	5.1		
		NI	29.0	36.0	-	-	-	-	-	-	8.0	8.5	-	15.5		
		UK	106.6	115.0	-	-	-	0.7	0.3	0.5	3.3	2.6	7.8	3.5		
260-269	Nutritional deficiencies	E	1.0	1.6	-	-	0.8	-	-	-	-	-	0.5	-		
		W	2.8	1.3	-	-	-	-	-	-	-	-	-	-		
		S	2.4	2.3	-	-	-	-	-	-	-	-	-	-		
		NI	1.2	-	-	-	-	-	-	-	-	-	7.6	-		
		UK	1.2	1.6	-	-	0.7	-	-	-	-	-	0.6	-		
278	Obesity of non-endocrine origin	E	1.8	4.1	-	-	-	-	-	-	-	0.3	1.3	0.8		
		W	4.9	7.4	-	-	-	-	-	-	5.5	-	-	5.0		
		S	2.4	6.1	-	-	-	-	-	-	-	-	2.5	-		
		NI	1.2	2.3	-	-	-	-	-	-	-	-	-	-		
		UK	2.0	4.4	-	-	-	-	-	-	0.3	0.3	1.3	0.9		
280-289	IV Diseases of blood and blood-forming organs	E	33.8	39.4	0.01	0.01	3.9	2.5	1.5	0.6	2.9	1.0	2.3	1.3		
		W	33.4	42.1	0.12	-	-	-	5.0	-	-	-	-	-		
		S	37.4	48.9	-	-	-	-	-	-	9.1	-	-	-		
		NI	9.7	18.6	-	0.09	-	-	-	-	-	-	-	-		
		UK	33.6	40.0	0.01	0.01	4.0	2.1	1.5	0.5	3.3	0.9	2.1	1.1		
280-285	Anaemias	E	7.8	16.4	-	0.00	1.6	2.5	1.5	0.6	1.6	1.0	1.0	0.5		
		W	7.6	16.1	-	-	-	-	-	-	-	-	-	-		
		S	11.3	19.4	-	-	-	-	-	-	3.0	-	-	-		
		NI	2.4	13.9	-	-	-	-	-	-	-	-	-	-		
		UK	8.0	16.6	-	0.00	1.3	2.1	1.3	0.5	1.6	0.9	0.8	0.4		
290-319	V Mental disorders	E	142.3	255.7	-	0.00	-	1.7	-	0.3	52.7	12.4	76.4	15.8		
		W	120.3	237.5	-	-	-	-	-	5.3	27.7	11.9	18.9	19.9		
		S	285.8	385.1	-	-	-	-	-	-	164.4	44.5	205.8	35.5		
		NI	76.1	95.2	-	-	-	-	-	-	-	-	-	7.7		
		UK	151.8	261.7	-	0.00	-	1.4	-	0.5	59.9	15.4	83.5	17.5		
290-299	Psychoses	E	103.5	238.5	-	-	-	-	-	-	-	0.3	0.3	-		
		W	97.3	222.1	-	-	-	-	-	-	-	-	-	-		
		S	130.8	332.4	-	-	-	-	-	-	-	-	2.5	-		
		NI	36.3	79.0	-	-	-	-	-	-	-	-	-	-		
		UK	103.7	241.4	-	-	-	-	-	-	-	0.3	0.4	-		



United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR		ICD 9 code
35-44		45-54		55-64		65-74		75-84		85 and over		All ages		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
2.2	2.8	3.7	5.5	8.7	7.3	16.2	20.8	41.1	52.2	59.1	68.2	98	99	210-229
-	5.0	-	5.1	13.0	6.3	15.8	27.3	73.5	73.7	64.3	114.3	117	132	
-	-	3.1	6.0	7.9	-	15.3	32.6	20.8	42.6	190.1	32.9	83	84	
8.8	-	10.4	-	13.6	-	18.4	58.7	143.8	43.6	-	57.5	184	103	
2.1	2.6	3.6	5.7	9.0	6.4	16.2	23.2	43.7	52.3	67.4	67.8	100	100	
1.7	1.4	1.2	2.1	5.8	4.0	9.4	14.0	26.8	33.4	43.3	49.8	101	98	225
-	-	-	-	6.5	6.3	7.9	20.5	29.4	46.1	64.3	22.9	94	105	
-	-	3.1	3.0	7.9	-	5.1	20.4	10.4	42.6	142.6	16.4	99	95	
8.8	-	-	-	-	-	-	58.7	35.9	43.6	-	-	84	143	
1.6	1.2	1.3	2.3	5.9	3.7	8.7	16.1	25.9	35.1	50.6	44.8	100	100	
28.9	19.1	49.5	32.2	151.9	121.3	429.6	304.4	1,001.7	758.0	2,190.2	1,748.4	98	99	240-279
15.0	15.1	76.8	35.5	247.6	177.5	530.2	395.7	1,146.6	838.4	2,444.8	1,851.6	120	116	
37.0	31.4	85.9	63.0	213.2	180.5	692.0	309.8	958.6	796.6	1,948.4	1,841.0	121	111	
8.8	8.6	73.0	10.2	54.5	63.8	129.1	102.8	179.7	283.1	978.8	689.5	42	43	
28.9	19.7	55.8	35.3	160.6	129.3	452.8	306.3	989.5	756.1	2,161.3	1,738.4	100	100	
28.3	18.5	48.9	31.9	151.5	120.5	428.6	301.7	996.9	752.6	2,150.8	1,718.5	98	99	240-259, 270-279
15.0	15.1	76.8	35.5	247.6	177.5	530.2	395.7	1,131.9	829.2	2,251.8	1,828.8	119	116	
37.0	31.4	85.9	63.0	209.2	180.5	671.7	309.8	958.6	790.5	1,900.9	1,758.8	120	111	
8.8	8.6	73.0	10.2	54.5	63.8	129.1	102.8	179.7	283.1	978.8	689.5	41	44	
28.4	19.2	55.3	35.0	159.9	128.6	450.2	304.0	984.6	750.5	2,114.1	1,705.6	100	100	
-	1.4	0.6	0.3	-	1.6	3.1	7.7	10.5	38.2	27.6	132.2	111	106	240-246
-	5.0	-	-	-	12.7	-	6.8	-	18.4	-	114.3	-	99	
-	-	-	-	-	3.6	5.1	4.1	-	36.5	-	49.3	42	67	
-	-	-	-	-	-	-	-	-	-	-	-	141	-	
-	1.4	0.5	0.3	-	2.3	3.1	7.1	8.9	36.1	23.6	122.4	100	100	
-	0.9	0.3	-	-	1.2	2.1	3.2	1.9	10.9	7.9	28.4	109	105	242
-	-	-	-	-	6.3	-	6.8	-	9.2	-	-	-	95	
-	-	-	-	-	3.6	-	-	-	12.2	-	16.4	-	82	
-	-	-	-	-	-	-	-	-	-	-	-	330	-	
-	0.7	0.3	-	-	1.7	1.7	3.0	1.6	10.7	6.7	25.4	100	100	
19.4	10.0	31.0	22.4	115.9	80.5	359.1	247.0	877.3	627.6	1,938.1	1,415.8	99	100	250
10.0	5.0	51.2	10.2	176.0	133.1	451.0	327.5	1,043.7	737.1	2,058.8	1,554.5	121	118	
31.7	15.7	52.2	39.0	154.0	108.3	534.3	236.4	771.0	602.0	1,188.0	1,397.2	112	103	
8.8	8.6	41.7	10.2	40.9	63.8	110.7	58.7	143.8	217.8	815.7	402.2	33	38	
20.0	10.2	34.9	23.4	121.2	86.4	375.5	246.8	863.4	623.5	1,868.0	1,400.4	100	100	
0.6	0.6	0.6	0.3	0.4	0.8	1.0	2.7	4.8	5.5	39.4	29.9	82	99	260-269
-	-	-	-	-	-	-	-	14.7	9.2	193.0	22.9	213	76	
-	-	-	-	3.9	-	20.4	-	-	6.1	47.5	82.2	213	154	
-	-	-	-	-	-	-	-	-	-	-	-	120	-	
0.5	0.5	0.5	0.3	0.7	0.7	2.6	2.2	4.9	5.6	47.2	32.7	100	100	
2.2	2.6	4.6	4.6	5.0	11.7	1.0	9.0	1.9	13.3	-	5.7	90	94	278
5.0	5.0	15.4	15.2	13.0	12.7	-	27.3	-	-	-	-	240	158	
-	7.9	6.1	9.0	7.9	14.4	5.1	12.2	-	18.2	-	-	121	137	
-	-	10.4	-	-	-	-	14.7	-	21.8	-	-	68	60	
2.1	3.1	5.4	5.4	5.5	11.7	1.3	10.5	1.6	13.2	-	4.8	100	100	
3.6	3.4	6.8	6.4	26.1	20.2	88.9	64.6	270.8	184.4	953.3	632.5	99	98	280-289
5.0	5.0	5.1	5.1	13.0	12.7	63.3	61.4	279.3	230.3	900.7	571.5	91	97	
-	2.6	15.3	3.0	19.7	43.3	162.8	65.2	333.4	285.8	760.3	854.7	121	133	
-	-	-	10.2	-	12.8	36.9	44.0	143.8	43.6	326.3	459.6	36	58	
3.5	3.3	7.5	6.4	24.9	22.1	92.6	64.3	273.2	192.1	927.2	644.5	100	100	
1.4	2.6	0.9	0.9	5.8	6.1	13.6	19.9	49.8	63.1	291.5	319.8	96	97	280-285
-	-	-	5.1	6.5	-	15.8	27.3	44.1	64.5	321.7	274.3	89	90	
-	2.6	-	-	-	18.0	50.9	24.5	62.5	97.3	522.7	378.1	154	128	
-	-	-	-	-	12.8	-	44.0	35.9	21.8	163.1	402.2	37	105	
1.2	2.4	0.8	1.3	5.9	7.0	16.6	21.3	50.1	65.0	306.8	325.9	100	100	
56.6	15.9	41.2	20.3	44.3	27.5	164.6	139.6	1,090.7	1,121.9	4,344.9	5,648.8	93	96	290-319
25.1	15.1	41.0	15.2	39.1	25.4	142.4	116.0	1,029.0	1,004.3	3,667.2	4,846.3	75	84	
179.9	60.2	217.9	99.0	280.3	133.6	412.2	256.8	1,479.6	1,514.2	6,700.6	9,566.5	204	165	
105.8	25.7	73.0	40.8	177.2	25.5	92.2	102.8	647.0	500.9	1,305.1	2,413.1	60	47	
67.3	20.4	56.8	27.3	68.4	37.2	182.9	148.1	1,107.5	1,133.7	4,420.5	5,826.8	100	100	
2.2	0.3	2.5	3.7	15.3	12.1	144.8	124.2	1,062.0	1,081.9	4,266.1	5,526.6	98	97	290-299
5.0	-	-	-	-	19.0	118.7	81.9	999.6	976.6	3,602.9	4,823.4	86	85	
-	2.6	3.1	6.0	43.4	32.5	229.0	199.7	1,365.0	1,471.6	6,463.0	9,418.6	142	156	
-	-	-	-	27.3	12.8	55.3	44.0	611.1	479.1	1,305.1	2,413.1	45	43	
2.1	0.5	2.3	3.6	17.3	14.4	148.5	126.8	1,071.9	1,094.6	4,332.8	5,710.5	100	100	

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
290	Senile and presenile organic psychotic conditions	E	78.9	192.1	-	-	-	-	-	-	-	0.3	-	-
		W	73.7	179.3	-	-	-	-	-	-	-	-	-	-
		S	74.9	191.2	-	-	-	-	-	-	-	-	-	-
		NI	20.5	47.6	-	-	-	-	-	-	-	-	-	-
		UK	76.7	187.2	-	-	-	-	-	-	-	0.3	-	-
303	Alcohol dependence syndrome	E	7.8	4.3	-	-	-	-	-	-	-	0.3	2.5	1.8
		W	10.4	5.4	-	-	-	-	-	-	-	-	4.7	-
		S	68.0	26.6	-	-	-	-	-	-	-	-	10.0	2.5
		NI	30.2	11.6	-	-	-	-	-	-	-	-	-	7.7
		UK	13.7	6.5	-	-	-	-	-	-	-	0.3	3.2	2.0
<b>320-389</b>	<b>VI Diseases of the nervous system and sense organs</b>	E	180.2	198.2	0.15	0.13	45.7	33.2	21.9	23.4	42.3	18.6	42.5	28.0
		W	203.0	238.8	0.12	0.12	41.7	29.3	5.0	10.6	44.3	29.7	42.5	34.9
		S	165.0	183.6	0.20	0.04	32.2	8.4	18.0	9.5	48.7	38.1	40.1	22.8
		NI	145.0	139.3	0.08	0.17	39.9	20.9	7.3	7.7	23.9	16.9	37.8	7.7
		UK	179.4	197.4	0.16	0.13	44.2	30.6	20.2	21.0	42.6	20.8	42.4	27.3
320-359	Diseases of the nervous system	E	179.8	197.7	0.15	0.13	45.7	33.2	21.6	23.4	41.9	18.3	42.2	27.5
		W	200.9	238.8	0.12	0.12	41.7	29.3	5.0	10.6	44.3	29.7	42.5	34.9
		S	164.6	183.6	0.20	0.04	32.2	8.4	18.0	9.5	48.7	38.1	40.1	22.8
		NI	145.0	139.3	0.08	0.17	39.9	20.9	7.3	7.7	23.9	16.9	37.8	7.7
		UK	178.9	197.0	0.16	0.13	44.2	30.6	20.0	21.0	42.3	20.6	42.2	26.8
320-322	Meningitis	E	4.4	3.7	0.04	0.02	7.9	4.1	0.9	1.9	0.7	2.1	1.5	1.3
		W	4.2	6.0	-	-	13.9	-	-	5.3	-	11.9	-	-
		S	1.6	0.8	0.03	-	-	-	3.0	-	-	-	-	-
		NI	1.2	3.5	-	-	-	-	7.3	7.7	-	-	-	-
		UK	4.1	3.5	0.03	0.02	7.3	3.5	1.3	2.1	0.8	2.3	1.3	1.1
330,331, 333-336	Other degenerative and hereditary disorders of the central nervous system	E	63.8	94.9	0.06	0.05	18.1	10.8	3.3	5.4	4.6	3.4	4.0	3.2
		W	81.3	125.8	0.06	-	-	14.6	-	-	5.5	5.9	4.7	10.0
		S	49.1	82.7	0.07	-	8.0	-	3.0	3.2	3.0	3.2	2.5	-
		NI	61.6	84.8	-	-	19.9	-	-	-	-	16.9	15.1	-
		UK	63.5	95.1	0.06	0.04	16.5	9.7	3.0	4.8	4.3	4.0	4.2	3.1
332	Parkinson's disease	E	57.6	45.8	-	-	-	-	-	-	0.3	-	-	-
		W	59.8	49.5	-	-	-	-	-	-	-	-	-	-
		S	47.5	43.6	-	-	-	-	-	-	-	-	-	-
		NI	41.1	16.3	-	-	-	-	-	-	-	-	-	-
		UK	56.4	45.0	-	-	-	-	-	-	0.3	-	-	-
340	Multiple sclerosis	E	10.4	17.8	-	-	-	-	0.3	-	-	-	2.5	2.6
		W	8.3	18.7	-	-	-	-	-	-	-	-	-	5.0
		S	9.3	19.0	-	-	-	-	-	-	-	-	-	7.6
		NI	7.3	13.9	-	-	-	-	-	-	-	-	-	-
		UK	10.1	17.9	-	-	-	-	0.3	-	-	-	2.1	3.1
343,344	Infantile cerebral palsy and other paralytic syndromes	E	5.7	5.3	0.02	0.03	6.3	8.3	7.6	7.4	6.2	3.8	2.8	2.9
		W	7.0	5.4	0.06	0.12	13.9	-	5.0	5.3	-	5.9	4.7	-
		S	10.1	5.3	-	0.04	8.0	-	3.0	6.3	12.2	12.7	7.5	2.5
		NI	3.6	4.6	-	0.09	-	20.9	-	-	8.0	-	-	-
		UK	6.1	5.3	0.02	0.04	6.6	7.6	6.8	6.9	6.5	4.6	3.2	2.7
345	Epilepsy	E	19.2	12.7	0.01	0.00	2.4	4.1	3.7	3.2	13.4	6.5	24.6	13.7
		W	21.5	13.4	-	-	-	14.6	-	-	22.1	5.9	28.3	19.9
		S	25.4	13.7	-	-	8.0	-	-	-	15.2	12.7	27.6	10.2
		NI	15.7	10.4	0.08	-	-	-	-	-	-	-	15.1	7.7
		UK	19.8	12.8	0.01	0.00	2.6	4.2	3.0	2.7	13.6	6.9	25.0	13.5
<b>390-459</b>	<b>VII Diseases of the circulatory system</b>	E	4,144.8	4,405.3	0.12	0.07	15.8	20.7	5.5	5.4	26.5	17.9	80.9	56.8
		W	4,762.9	5,026.5	0.18	0.06	-	-	5.0	5.3	27.7	11.9	56.6	54.8
		S	4,717.0	5,097.1	0.07	0.22	16.1	8.4	6.0	9.5	33.5	19.1	107.9	50.8
		NI	3,710.7	3,828.0	0.08	-	-	-	7.3	-	71.6	25.4	75.6	15.5
		UK	4,225.7	4,487.4	0.12	0.09	14.5	19.4	5.8	5.9	29.3	18.8	83.0	55.6
390-429	Heart disease	E	2,982.0	2,757.5	0.07	0.03	13.4	17.4	4.3	3.8	19.7	11.4	58.1	28.0
		W	3,456.1	3,183.9	0.06	0.06	-	-	5.0	5.3	22.1	5.9	33.0	24.9
		S	3,378.3	3,126.8	0.07	0.22	8.0	8.4	3.0	6.3	24.3	6.4	70.3	35.5
		NI	2,794.5	2,464.9	-	-	-	-	-	-	55.7	16.9	45.4	7.7
		UK	3,045.5	2,807.7	0.07	0.05	11.9	16.7	4.3	4.3	22.0	11.4	58.5	28.2
390-392	Acute rheumatic fever	E	0.2	0.2	-	-	-	-	-	-	-	-	-	-
		W	-	-	-	-	-	-	-	-	-	-	-	-
		S	1.2	-	-	-	-	-	-	-	-	-	-	-
		NI	2.4	-	-	-	-	-	-	-	-	-	-	-
		UK	0.3	0.2	-	-	-	-	-	-	-	-	-	-

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR		ICD 9 code
35-44		45-54		55-64		65-74		75-84		85 and over		All ages		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
0.3	-	0.9	1.2	9.9	8.9	97.7	82.6	807.5	862.9	3,407.4	4,535.8	101	101	290
-	-	-	-	-	6.3	110.8	68.2	690.9	727.9	2,895.2	4,069.0	88	89	
-	-	-	-	31.6	14.4	101.8	101.9	844.0	906.1	3,659.2	5,358.6	111	116	
-	-	-	-	13.6	12.8	36.9	29.4	359.5	283.1	652.5	1,436.4	35	33	
0.2	-	0.8	1.0	11.4	9.4	97.4	82.3	793.8	845.6	3,348.2	4,506.4	100	100	
10.0	5.4	20.3	9.2	21.1	9.7	9.9	7.2	7.7	6.7	3.9	-	57	66	303
5.0	15.1	30.7	10.2	32.6	6.3	7.9	13.6	14.7	-	-	-	74	80	
84.6	26.2	159.6	72.0	181.6	72.2	137.4	40.8	83.4	24.3	-	16.4	492	401	
88.2	25.7	52.2	30.6	109.0	-	18.4	44.0	35.9	-	-	-	248	197	
18.4	8.3	33.3	15.2	38.0	15.1	21.0	11.6	14.6	7.6	3.4	1.2	100	100	
53.8	40.1	83.0	83.2	163.5	127.4	433.8	362.7	1,448.5	973.3	2,816.5	2,177.7	100	100	320-389
45.1	45.3	102.4	91.4	169.4	158.5	538.1	354.7	1,293.6	1,114.8	3,731.6	2,606.0	106	113	
97.9	55.0	95.1	87.0	154.0	140.8	432.5	334.3	1,250.3	833.1	2,376.1	2,465.6	97	98	
35.3	42.8	104.3	81.6	259.0	178.8	405.8	205.5	1,437.8	740.5	2,120.7	2,183.3	96	84	
56.8	41.8	86.3	83.9	165.4	131.6	440.1	356.0	1,424.4	964.5	2,822.2	2,222.9	100	100	
53.8	39.8	83.0	83.2	163.1	127.0	433.3	362.2	1,447.5	970.9	2,804.7	2,172.0	100	100	320-359
45.1	45.3	97.3	91.4	169.4	158.5	530.2	354.7	1,278.9	1,114.8	3,731.6	2,606.0	105	113	
97.9	55.0	95.1	87.0	154.0	140.8	432.5	334.3	1,250.3	833.1	2,328.6	2,465.6	97	99	
35.3	42.8	104.3	81.6	259.0	178.8	405.8	205.5	1,437.8	740.5	2,120.7	2,183.3	96	85	
56.8	41.6	86.0	83.9	165.1	131.3	439.2	355.6	1,422.7	962.4	2,808.7	2,218.1	100	100	
2.2	1.7	3.7	1.2	8.7	4.0	9.4	8.1	12.4	7.9	11.8	18.5	106	104	320-322
-	5.0	10.2	10.2	13.0	6.3	7.9	-	-	18.4	-	-	98	165	
2.6	-	-	-	-	-	5.1	-	-	12.2	-	-	40	22	
-	-	-	-	-	12.8	-	14.7	-	-	-	-	31	105	
2.1	1.7	3.6	1.5	7.9	4.0	9.2	7.1	10.5	8.6	10.1	15.7	100	100	
7.2	5.4	24.6	21.5	78.2	51.8	174.6	182.0	553.0	497.9	1,055.7	1,245.2	100	99	330,331, 333-336
10.0	10.1	20.5	35.5	71.7	76.1	284.9	177.4	573.3	589.7	1,415.4	1,668.8	118	122	
13.2	7.9	21.5	24.0	75.0	61.4	178.1	195.7	395.9	334.5	570.3	1,397.2	82	93	
-	8.6	52.2	30.6	190.8	63.8	202.9	88.1	539.2	500.9	489.4	1,896.0	117	109	
7.7	5.9	25.1	22.6	80.5	54.3	182.1	180.6	541.6	489.3	1,028.4	1,293.8	100	100	
-	-	0.6	0.3	7.0	6.9	142.2	63.2	706.1	314.7	1,473.3	672.3	101	101	332
-	-	-	-	6.5	-	110.8	81.9	602.7	368.5	1,930.1	502.9	96	101	
-	-	-	-	7.9	3.6	101.8	44.8	646.0	370.9	1,615.7	690.4	93	106	
-	-	-	-	-	-	110.7	14.7	790.8	196.0	978.8	229.8	93	46	
-	-	0.5	0.3	6.9	6.0	136.2	61.3	697.6	320.1	1,500.5	655.4	100	100	
10.0	10.5	16.0	39.3	26.1	38.8	28.7	47.9	32.5	34.6	7.9	19.9	103	100	340
-	15.1	30.7	20.3	32.6	44.4	7.9	34.1	-	46.1	-	68.6	78	100	
13.2	20.9	12.3	30.0	15.8	36.1	30.5	36.7	41.7	42.6	-	49.3	92	105	
-	8.6	20.9	20.4	27.3	63.8	-	29.4	35.9	21.8	163.1	57.5	83	88	
9.5	11.6	16.5	37.1	25.6	39.5	27.1	45.6	31.5	35.6	10.1	25.4	100	100	
2.2	0.6	1.5	1.8	2.1	3.6	9.4	7.2	23.9	16.4	43.3	12.8	94	100	343,344
5.0	-	-	-	-	-	31.7	13.6	14.7	-	-	45.7	111	98	
10.6	2.6	3.1	6.0	7.9	-	40.7	4.1	10.4	6.1	-	16.4	169	103	
-	-	-	-	-	-	18.4	29.4	-	-	163.1	-	61	87	
3.0	0.7	1.5	2.1	2.4	3.0	13.5	7.9	21.8	14.2	40.5	14.5	100	100	
26.9	14.8	27.0	11.7	17.4	10.5	24.0	18.5	24.9	26.1	51.2	46.9	97	99	345
20.1	10.1	25.6	5.1	39.1	-	23.7	27.3	14.7	27.6	128.7	91.4	109	103	
52.9	20.9	46.0	18.0	27.6	21.7	15.3	12.2	10.4	24.3	-	16.4	128	108	
35.3	25.7	20.9	30.6	40.9	-	18.4	29.4	-	-	-	-	84	88	
29.1	15.4	28.7	12.4	20.0	10.7	23.1	18.7	22.6	25.4	50.6	46.0	100	100	
358.0	144.3	1,389.3	482.3	4,548.4	1,806.4	13,926.4	7,335.3	35,999.2	24,808.6	76,794.3	66,267.9	97	97	390-459
431.1	206.6	1,474.8	431.6	4,796.3	1,996.7	15,556.4	7,920.4	37,322.9	26,111.4	78,234.6	69,996.6	103	103	
489.4	175.5	1,939.6	608.9	6,269.5	2,552.0	17,306.1	9,607.9	41,709.2	28,945.3	87,915.2	87,183.8	119	123	
326.3	196.7	1,732.0	581.5	5,111.6	1,966.5	15,643.2	7,737.3	40,618.3	26,853.4	80,424.1	74,576.3	109	107	
376.5	152.9	1,460.8	497.2	4,757.4	1,902.9	14,408.6	7,607.4	36,688.4	25,302.8	77,777.7	68,220.9	100	100	
284.4	74.6	1,148.1	291.9	3,687.0	1,247.8	10,449.0	5,070.4	24,902.0	15,740.8	49,889.7	39,229.1	97	97	390-429
315.8	105.8	1,223.9	243.7	3,877.4	1,426.2	11,782.0	5,519.0	25,783.5	16,787.2	52,692.5	41,741.9	104	104	
388.8	104.7	1,632.7	377.9	5,100.9	1,848.1	12,970.7	6,636.3	27,945.1	18,133.4	54,697.5	48,128.6	118	120	
291.0	85.5	1,419.0	428.5	4,198.4	1,404.7	12,119.8	5,329.5	29,762.8	17,466.7	54,975.5	45,561.6	113	109	
298.3	80.0	1,210.0	302.6	3,861.3	1,325.4	10,828.7	5,260.2	25,353.2	16,061.6	50,516.6	40,177.1	100	100	
-	0.3	-	-	0.4	0.4	0.5	0.5	1.9	0.6	-	2.8	53	119	390-392
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	10.2	-	10.4	-	-	-	398	-	
-	-	-	-	-	-	36.9	-	-	-	-	-	950	-	
-	0.2	-	-	0.3	0.3	2.2	0.4	2.4	0.5	-	2.4	100	100	

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population									
							1-4		5-14		15-24		25-34			
			M	F	M	F	M	F	M	F	M	F	M	F		
393-398	Chronic rheumatic heart disease	E	16.2	43.3	-	-	-	0.8	-	-	-	-	1.3	0.5		
		W	20.2	74.3	-	-	-	-	-	-	-	-	-	5.0		
		S	18.5	39.8	-	-	-	-	-	-	-	-	5.0	2.5		
		NI	7.3	24.4	-	-	-	-	-	-	-	-	-	-		
		UK	16.4	44.1	-	-	-	0.7	-	-	-	0.3	1.7	0.9		
401-405	Hypertensive disease	E	53.4	63.8	-	-	-	-	-	-	0.7	0.3	1.8	0.3		
		W	64.6	76.9	-	-	-	-	-	5.3	-	-	-	-		
		S	50.3	57.7	-	-	-	-	-	-	3.0	3.2	2.5	2.5		
		NI	43.5	41.8	-	-	-	-	-	-	-	-	-	-		
		UK	53.6	63.4	-	-	-	-	-	0.3	0.8	0.6	1.7	0.4		
402,404	Hypertensive heart disease	E	41.3	47.4	-	-	-	-	-	-	0.3	-	1.5	0.3		
		W	46.6	58.9	-	-	-	-	-	-	-	-	-	-		
		S	41.1	38.7	-	-	-	-	-	-	-	-	2.5	2.5		
		NI	14.5	23.2	-	-	-	-	-	-	-	-	-	-		
		UK	41.0	46.6	-	-	-	-	-	-	0.3	-	1.5	0.4		
410-414	Ischaemic heart disease	E	2,523.9	2,049.4	0.00	-	0.8	0.8	0.3	-	3.6	2.1	28.4	7.4		
		W	2,908.3	2,300.8	-	-	-	-	-	-	-	-	18.9	-		
		S	2,865.5	2,390.3	-	-	-	-	-	-	3.0	3.2	40.1	10.2		
		NI	2,412.6	1,925.0	-	-	-	-	-	-	8.0	8.5	30.3	-		
		UK	2,579.2	2,091.9	0.00	-	0.7	0.7	0.3	-	3.5	2.3	29.4	7.1		
410	Acute myocardial infarction	E	1,280.4	1,001.0	0.00	-	0.8	0.8	0.3	-	2.0	1.7	15.8	5.0		
		W	1,516.0	1,178.2	-	-	-	-	-	-	-	-	4.7	-		
		S	1,889.0	1,561.7	-	-	-	-	-	-	-	-	3.2	17.6		
		NI	1,693.4	1,361.9	-	-	-	-	-	-	8.0	8.5	15.1	-		
		UK	1,360.8	1,070.8	0.00	-	0.7	0.7	0.3	-	1.9	2.0	15.9	4.9		
415-429	Disease of pulmonary circulation and other heart disease	E	388.3	600.8	0.07	0.03	12.6	15.8	4.0	3.8	15.4	9.0	26.6	19.8		
		W	462.9	731.9	0.06	0.06	-	-	5.0	-	22.1	5.9	14.2	19.9		
		S	442.8	638.9	0.07	0.22	8.0	8.4	3.0	6.3	18.3	-	22.6	20.3		
		NI	328.8	473.7	-	-	-	-	-	-	47.7	8.5	15.1	7.7		
		UK	396.0	608.0	0.07	0.05	11.2	15.3	4.0	4.0	17.6	8.3	25.6	19.7		
415.1	Pulmonary embolism	E	73.8	124.1	-	-	-	-	-	-	1.3	2.8	4.0	6.3		
		W	77.2	131.8	-	-	-	-	-	-	-	-	-	-		
		S	58.0	78.5	-	-	-	-	-	-	-	-	5.0	10.2		
		NI	38.7	41.8	-	-	-	-	-	-	-	-	7.6	-		
		UK	71.9	118.4	-	-	-	-	-	-	1.1	2.3	4.0	6.2		
427	Cardiac dysrhythmias	E	38.8	73.8	0.01	0.00	1.6	1.7	0.6	0.6	1.6	1.4	1.3	0.8		
		W	39.6	91.7	-	-	-	-	5.0	-	5.5	5.9	4.7	5.0		
		S	54.7	87.3	-	-	-	-	-	-	-	-	-	2.5		
		NI	15.7	32.5	-	-	-	-	-	-	-	-	-	-		
		UK	39.5	74.7	0.01	0.00	1.3	1.4	0.8	0.5	1.6	1.4	1.3	1.1		
430-438	Cerebrovascular disease	E	823.0	1,342.9	0.04	0.04	2.4	2.5	0.3	1.6	4.9	4.5	18.1	19.5		
		W	939.8	1,532.8	0.12	-	-	-	-	-	5.5	5.9	23.6	24.9		
		S	1,027.6	1,649.3	-	-	8.0	-	3.0	3.2	6.1	9.5	30.1	12.7		
		NI	716.8	1,171.5	0.08	-	-	-	7.3	-	15.9	8.5	7.6	7.7		
		UK	844.4	1,375.7	0.04	0.03	2.6	2.1	0.8	1.6	5.4	5.1	19.3	19.3		
430	Subarachnoid haemorrhage	E	36.1	63.8	-	-	-	-	-	0.3	2.6	2.1	10.6	11.9		
		W	48.7	76.9	0.06	-	-	-	-	-	5.5	-	18.9	19.9		
		S	36.2	58.1	-	-	-	-	-	-	3.0	9.5	17.6	12.7		
		NI	35.1	46.4	-	-	-	-	7.3	-	15.9	8.5	7.6	-		
		UK	37.0	63.8	0.00	-	-	-	0.3	0.3	3.3	2.9	11.7	12.0		
431,432	Intracerebral and other intracranial haemorrhage	E	87.6	97.0	0.01	0.02	0.8	0.8	-	0.6	1.6	1.4	5.5	4.2		
		W	110.5	132.5	0.06	-	-	-	-	-	-	5.9	4.7	5.0		
		S	105.9	102.4	-	-	8.0	-	3.0	3.2	3.0	-	12.5	-		
		NI	68.9	88.2	-	-	-	-	-	-	-	-	-	7.7		
		UK	90.1	99.2	0.01	0.01	1.3	0.7	0.3	0.8	1.6	1.4	5.9	4.2		
433,434	Cerebral infarction	E	75.7	105.1	0.00	0.00	0.8	0.8	0.3	-	0.3	0.3	1.0	2.1		
		W	102.9	147.2	-	-	-	-	-	-	-	-	-	-		
		S	58.4	72.5	-	-	-	-	-	-	-	-	-	-		
		NI	78.6	118.4	0.08	-	-	-	-	-	-	-	-	-		
		UK	75.8	105.0	0.01	0.00	0.7	0.7	0.3	-	0.3	0.3	0.8	1.8		
436	Acute but ill-defined cerebrovascular disease	E	513.3	878.4	-	-	-	-	-	0.3	-	0.3	0.5	0.8		
		W	573.5	994.2	-	-	-	-	-	-	-	-	-	-		
		S	631.9	1,056.7	-	-	-	-	-	-	-	-	-	-		
		NI	444.8	781.4	-	-	-	-	-	-	-	-	-	-		
		UK	525.0	897.6	-	-	-	-	-	0.3	-	0.3	0.4	0.7		

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR		ICD 9 code
												All ages		
35-44		45-54		55-64		65-74		75-84		85 and over		M	F	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
2.2	2.0	6.1	6.8	22.8	32.0	59.6	120.6	134.9	262.6	204.8	392.3	98	98	393-398
-	-	5.1	5.1	32.6	76.1	95.0	211.5	102.9	368.5	257.4	594.4	113	154	
5.3	-	9.2	6.0	31.6	50.5	50.9	126.4	177.1	261.5	190.1	230.1	119	94	
-	-	-	-	13.6	12.8	36.9	102.8	107.8	174.2	-	287.3	54	67	
2.3	1.7	6.2	6.4	23.8	36.2	60.7	126.0	135.8	266.3	202.3	390.1	100	100	
6.4	2.3	25.8	10.7	69.1	35.6	195.5	123.3	416.2	362.0	831.2	851.4	99	100	401-405
-	5.0	30.7	10.2	110.8	44.4	213.6	81.9	455.7	516.0	772.1	823.0	110	111	
10.6	2.6	24.6	9.0	118.4	43.3	188.3	101.9	333.4	334.5	570.3	887.6	99	97	
8.8	-	10.4	10.2	95.4	38.3	166.0	102.8	503.2	261.3	652.5	746.9	99	82	
6.5	2.4	25.8	10.8	77.0	36.8	195.6	118.9	414.7	366.4	805.9	851.6	100	100	
5.0	2.0	23.0	8.6	62.5	31.1	149.0	96.6	309.0	274.1	586.9	584.2	100	101	402,404
-	5.0	30.7	10.2	97.8	31.7	150.3	61.4	308.7	405.4	386.0	617.2	104	116	
10.6	2.6	24.6	9.0	110.5	32.5	162.8	77.5	208.4	200.7	427.7	591.7	105	88	
-	-	-	10.2	-	12.8	73.8	-	179.7	196.0	489.4	517.1	43	61	
5.1	2.1	23.2	9.0	67.7	30.8	148.9	90.9	298.3	273.9	563.1	586.3	100	100	
222.0	39.3	978.1	206.0	3,277.6	962.7	9,153.8	4,028.5	21,083.6	12,159.9	39,194.8	27,402.7	97	97	410-414
245.7	40.3	1,049.8	172.6	3,375.6	1,128.3	10,444.8	4,393.4	21,594.0	12,521.3	39,825.0	27,797.5	103	101	
304.2	70.7	1,405.6	291.0	4,461.3	1,555.8	11,601.9	5,466.4	23,287.6	14,265.9	42,009.2	33,745.9	118	122	
273.4	68.4	1,304.2	336.7	3,844.0	1,225.9	10,773.1	4,477.9	25,125.8	13,938.5	44,045.7	33,036.5	115	114	
234.5	43.7	1,034.1	216.2	3,425.5	1,040.1	9,519.3	4,204.6	21,427.7	12,414.6	39,561.5	28,029.2	100	100	
112.9	23.1	494.8	113.3	1,726.6	525.0	4,842.2	2,203.0	10,742.2	6,223.1	17,576.6	11,695.7	94	93	410
115.3	15.1	507.0	106.6	1,759.5	602.2	5,720.9	2,462.8	11,260.1	6,587.7	19,237.0	12,938.6	102	101	
156.1	39.3	825.6	168.0	2,957.1	1,050.4	7,902.5	3,746.1	15,858.5	9,680.9	25,376.6	20,365.9	146	155	
158.7	42.8	740.8	204.0	2,739.8	970.5	7,803.1	3,332.7	18,511.9	10,323.2	27,732.5	21,258.3	153	157	
119.5	25.2	533.4	120.4	1,872.7	593.6	5,247.8	2,394.3	11,368.3	6,632.9	18,447.2	12,608.2	100	100	
53.8	30.7	138.0	68.5	317.1	217.2	1,039.6	797.6	3,265.3	2,955.7	9,658.9	10,579.8	97	98	415-429
70.2	60.5	138.3	55.9	358.4	177.5	1,028.7	832.3	3,630.9	3,381.4	11,838.1	12,527.1	108	111	
68.8	31.4	193.3	72.0	489.6	198.5	1,119.5	941.6	4,136.5	3,271.6	11,928.0	13,265.0	121	115	
8.8	17.1	104.3	81.6	245.4	127.7	1,106.8	646.0	4,025.9	3,092.6	10,277.3	11,491.0	103	98	
55.0	32.1	143.9	69.2	334.6	212.0	1,051.0	810.3	3,372.6	3,013.8	9,946.9	10,903.8	100	100	
11.9	10.2	35.0	25.8	84.9	89.0	255.6	263.3	583.6	705.3	1,256.6	1,418.6	102	104	415.1
15.0	35.3	41.0	15.2	130.3	82.4	189.9	259.2	558.6	737.1	1,158.1	1,280.1	99	102	
10.6	15.7	30.7	15.0	90.8	68.6	198.5	167.1	416.8	486.5	1,235.6	854.7	86	70	
-	8.6	31.3	10.2	54.5	12.8	166.0	88.1	467.3	370.2	326.3	574.5	66	43	
11.6	11.9	35.1	24.2	88.1	85.4	246.3	250.5	566.7	683.0	1,230.7	1,353.1	100	100	
3.3	2.3	4.3	3.7	13.7	11.7	92.0	70.5	398.0	403.9	1,091.2	1,380.2	97	98	427
-	5.0	5.1	5.1	19.6	6.3	55.4	68.2	396.9	359.3	1,029.4	1,897.4	92	113	
2.6	2.6	15.3	6.0	51.3	7.2	178.1	134.5	468.9	523.0	1,758.3	1,725.9	152	129	
-	-	10.4	10.2	13.6	-	55.3	44.0	143.8	239.6	652.5	746.9	50	55	
3.0	2.4	5.7	4.1	17.3	10.7	96.5	75.5	397.7	407.5	1,126.2	1,419.8	100	100	
56.1	58.1	184.7	155.0	584.5	430.0	2,209.4	1,692.2	7,821.3	7,274.6	21,039.2	22,898.1	97	97	430-438
70.2	75.6	210.0	157.4	651.7	456.4	2,468.8	1,862.4	8,290.7	7,868.4	20,137.7	23,774.1	102	103	
71.4	68.1	230.2	195.0	825.1	548.7	3,104.0	2,250.1	10,919.6	9,139.7	26,992.3	33,532.2	132	131	
35.3	94.1	240.0	112.2	790.6	459.7	2,527.3	1,820.5	8,483.1	8,210.6	21,207.2	25,739.7	106	107	
58.4	61.3	192.5	158.8	616.0	446.2	2,313.2	1,758.6	8,108.9	7,490.1	21,424.5	23,799.1	100	100	
27.8	31.9	59.0	74.9	78.6	124.6	107.2	180.7	112.9	219.5	102.4	176.3	97	100	430
45.1	50.4	76.8	86.3	130.3	145.8	87.0	191.0	88.2	202.7	193.0	251.5	125	113	
34.4	41.9	55.2	84.0	82.9	122.7	117.0	122.3	72.9	164.2	-	164.4	99	91	
26.5	77.0	114.8	30.6	40.9	127.7	110.7	132.1	71.9	152.5	-	57.5	109	83	
29.6	35.1	61.7	75.7	80.8	127.0	107.4	175.0	108.3	212.9	97.8	178.1	100	100	
16.4	17.1	58.4	39.9	151.1	96.7	315.7	219.0	620.9	539.7	937.5	860.0	97	97	431,432
10.0	5.0	76.8	45.7	162.9	95.1	340.2	279.7	808.5	718.7	1,093.7	1,188.7	113	123	
26.5	18.3	92.1	51.0	157.9	111.9	386.7	301.6	781.5	559.4	1,140.5	789.0	123	108	
-	8.6	31.3	20.4	177.2	153.2	295.2	234.9	754.9	544.5	652.5	1,091.6	92	107	
17.0	16.4	62.0	41.4	153.7	99.8	324.0	230.7	648.3	551.9	954.2	877.0	100	100	
5.3	4.3	26.4	11.4	73.3	27.1	214.3	149.0	673.5	568.2	1,741.1	1,768.3	99	99	433,434
15.0	15.1	25.6	5.1	78.2	57.0	340.2	163.7	779.1	801.6	2,058.8	2,194.5	124	129	
2.6	2.6	9.2	24.0	75.0	36.1	183.2	146.7	687.7	413.5	950.4	1,117.7	83	75	
8.8	-	20.9	20.4	95.4	38.3	313.6	234.9	970.5	892.9	1,631.3	2,298.2	129	142	
5.6	4.7	24.8	12.4	74.2	30.5	222.2	151.8	687.1	577.8	1,699.4	1,755.3	100	100	
5.8	4.6	36.6	26.4	253.3	163.4	1,349.6	1,001.7	5,283.1	4,968.4	14,401.6	15,836.4	97	97	436
-	5.0	25.6	15.2	221.6	139.4	1,487.6	1,112.0	5,747.6	5,233.3	13,317.9	16,664.8	100	102	
5.3	2.6	64.4	33.0	434.3	216.6	1,989.6	1,394.1	7,106.1	6,056.6	17,297.9	22,601.4	132	130	
-	8.6	73.0	20.4	368.0	127.7	1,586.5	1,115.8	5,463.7	5,597.2	15,660.7	18,787.7	107	111	
5.4	4.5	39.3	26.2	271.4	166.8	1,419.9	1,048.5	5,458.2	5,090.7	14,579.7	16,448.3	100	100	



Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population								
							1-4		5-14		15-24		25-34		
			M	F	M	F	M	F	M	F	M	F	M	F	
437.0	Cerebral atherosclerosis	E	11.6	25.8	-	-	-	-	-	-	-	-	-	-	-
		W	6.3	19.4	-	-	-	-	-	-	-	-	-	-	-
		S	9.3	19.7	-	-	-	-	-	-	-	-	-	-	-
		NI	16.9	27.9	-	-	-	-	-	-	-	-	-	-	-
		UK	11.3	25.0	-	-	-	-	-	-	-	-	-	-	-
440-459	Other diseases of the circulatory system	E	339.9	304.9	0.01	0.01	-	0.8	0.9	-	2.0	2.1	4.8	9.2	-
		W	367.0	309.8	-	-	-	-	-	-	-	-	-	5.0	-
		S	311.1	321.0	-	-	-	-	-	-	3.0	3.2	7.5	2.5	-
		NI	199.4	191.6	-	-	-	-	-	-	-	-	22.7	-	-
		UK	335.8	304.0	0.01	0.01	-	0.7	0.8	-	1.9	2.3	5.3	8.2	-
440-448	Diseases of arteries, arterioles and capillaries	E	309.0	253.0	-	0.00	-	-	0.3	-	1.6	1.7	3.5	4.2	-
		W	330.9	255.6	-	-	-	-	-	-	-	-	-	-	-
		S	274.1	281.9	-	-	-	-	-	-	-	3.2	5.0	-	-
		NI	177.7	148.6	-	-	-	-	-	-	-	-	7.6	-	-
		UK	304.1	253.2	-	0.00	-	-	0.3	-	1.4	2.0	3.6	3.5	-
440	Atherosclerosis	E	20.6	36.9	-	-	-	-	-	-	-	-	0.3	-	-
		W	23.6	41.5	-	-	-	-	-	-	-	-	-	-	-
		S	25.4	42.9	-	-	-	-	-	-	-	-	-	-	-
		NI	10.9	32.5	-	-	-	-	-	-	-	-	-	-	-
		UK	20.9	37.6	-	-	-	-	-	-	-	-	0.2	-	-
444	Arterial embolism and thrombosis	E	3.1	6.1	-	-	-	-	-	-	-	-	0.3	-	-
		W	5.6	5.4	-	-	-	-	-	-	-	-	-	-	-
		S	6.4	10.2	-	-	-	-	-	-	-	-	-	-	-
		NI	2.4	4.6	-	-	-	-	-	-	-	-	-	-	-
		UK	3.5	6.4	-	-	-	-	-	-	-	-	0.2	-	-
451-453	Phlebitis, thrombophlebitis, venous embolism and thrombosis	E	25.8	45.4	0.00	0.00	-	0.8	-	-	0.3	0.3	1.3	4.8	-
		W	35.5	49.5	-	-	-	-	-	-	-	-	-	5.0	-
		S	28.2	30.0	-	-	-	-	-	-	3.0	-	2.5	2.5	-
		NI	15.7	31.3	-	-	-	-	-	-	-	-	15.1	-	-
		UK	26.5	44.1	0.00	0.00	-	0.7	-	-	0.5	0.3	1.7	4.4	-
454	Varicose veins of lower extremities	E	0.6	1.7	-	-	-	-	-	-	-	-	-	-	-
		W	-	1.3	-	-	-	-	-	-	-	-	-	-	-
		S	1.6	1.9	-	-	-	-	-	-	-	-	-	-	-
		NI	-	1.2	-	-	-	-	-	-	-	-	-	-	-
		UK	0.7	1.7	-	-	-	-	-	-	-	-	-	-	-
460-519	VIII Diseases of the respiratory system	E	1,574.9	1,849.7	0.27	0.19	33.1	18.3	9.4	11.2	19.3	16.2	30.2	20.9	-
		W	1,624.5	1,944.9	0.23	0.06	-	14.6	-	15.9	11.1	5.9	23.6	10.0	-
		S	1,425.3	1,696.0	0.20	0.04	-	16.9	6.0	6.3	30.4	15.9	20.1	30.5	-
		NI	1,386.4	1,718.4	0.33	0.34	19.9	41.8	7.3	7.7	15.9	33.9	53.0	54.1	-
		UK	1,560.9	1,838.8	0.26	0.18	29.0	18.8	8.9	10.9	19.8	16.6	30.1	22.2	-
460-465, 470-478	Diseases of the upper respiratory tract	E	1.8	1.4	-	0.01	0.8	0.8	-	0.3	-	0.7	-	0.3	-
		W	0.7	1.3	-	-	-	-	-	-	-	-	-	-	-
		S	1.6	2.3	-	-	-	-	-	-	-	-	-	-	-
		NI	-	2.3	-	-	-	-	-	-	-	-	-	-	-
		UK	1.7	1.5	-	0.01	1.3	0.7	-	0.3	-	0.6	-	0.2	-
466	Acute bronchitis and bronchiolitis	E	6.5	9.3	0.05	0.03	5.5	2.5	-	-	0.3	0.7	1.5	0.8	-
		W	2.8	5.4	0.06	-	-	14.6	-	-	-	-	-	-	-
		S	3.2	2.7	0.03	-	-	-	-	-	3.0	-	-	2.5	-
		NI	1.2	1.2	0.08	0.09	-	-	-	-	-	-	-	-	-
		UK	5.9	8.3	0.05	0.03	4.6	2.8	-	-	0.5	0.6	1.3	0.9	-
480-486	Pneumonia	E	836.2	1,240.2	0.08	0.10	15.8	10.8	4.6	6.7	11.1	10.3	18.1	12.1	-
		W	793.8	1,275.2	-	0.06	-	-	-	10.6	11.1	-	14.2	-	-
		S	651.3	928.1	0.14	-	-	8.4	6.0	-	15.2	6.4	12.5	12.7	-
		NI	811.0	1,226.1	0.08	0.09	19.9	20.9	7.3	-	8.0	16.9	30.3	23.2	-
		UK	818.3	1,215.2	0.08	0.09	13.9	10.4	4.6	6.1	11.4	9.7	18.2	12.0	-
487	Influenza	E	2.2	2.8	0.01	0.01	0.8	-	-	-	-	-	-	0.3	-
		W	0.7	3.3	-	-	-	-	-	5.3	-	-	-	-	-
		S	1.6	3.0	-	-	-	-	-	-	-	-	-	-	-
		NI	1.2	1.2	-	-	-	-	-	-	-	-	-	-	-
		UK	2.0	2.8	0.01	0.01	0.7	-	-	0.3	-	-	-	0.2	-
490-496	Chronic obstructive pulmonary disease and allied conditions	E	584.6	437.2	0.01	0.00	2.4	0.8	3.7	2.9	4.9	2.4	5.5	4.5	-
		W	646.4	511.8	-	-	-	-	-	-	-	-	9.4	5.0	-
		S	574.0	535.7	-	-	-	-	-	3.2	6.1	3.2	-	7.6	-
		NI	459.3	357.6	0.08	-	-	-	-	-	8.0	16.9	15.1	23.2	-
		UK	583.7	447.8	0.01	0.00	2.0	0.7	3.0	2.7	4.9	2.9	5.5	5.3	-

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR	ICD 9	
												All ages	code	
35-44		45-54		55-64		65-74		75-84		85 and over				
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
-	-	-	-	1.2	0.8	15.7	9.0	106.2	107.9	547.5	636.8	101	101	437.0
-	-	-	-	-	-	7.9	13.6	73.5	110.6	193.0	342.9	51	72	
-	-	-	-	-	-	30.5	4.1	72.9	54.7	475.2	690.4	93	90	
-	-	-	-	-	-	18.4	29.4	395.4	152.5	326.3	861.8	195	146	
-	-	-	-	1.0	0.7	16.6	9.3	108.3	104.7	519.3	631.1	100	100	
17.5	11.7	56.5	35.3	276.9	128.6	1,268.0	572.7	3,275.9	1,793.2	5,865.4	4,140.7	100	99	440-459
45.1	25.2	41.0	30.5	267.2	114.1	1,305.6	538.9	3,248.7	1,455.8	5,404.4	4,480.5	99	94	
29.1	2.6	76.7	36.0	343.5	155.2	1,231.4	721.5	2,844.5	1,672.3	6,225.3	5,523.0	99	113	
-	17.1	73.0	40.8	122.7	102.2	996.1	587.3	2,372.4	1,176.1	4,241.4	3,274.9	74	78	
19.8	11.6	58.4	35.8	280.1	131.3	1,266.6	588.6	3,226.2	1,751.1	5,836.6	4,244.7	100	100	
8.6	2.6	36.6	16.6	241.7	85.7	1,154.6	455.2	3,044.3	1,515.4	5,463.6	3,626.1	101	99	440-448
20.1	10.1	15.4	15.2	215.1	69.7	1,186.9	457.1	3,042.9	1,160.9	5,082.7	3,954.7	99	93	
10.6	2.6	43.0	27.0	280.3	122.7	1,078.8	591.1	2,646.6	1,447.3	5,892.7	5,177.8	97	120	
-	8.6	52.2	10.2	95.4	63.8	922.4	499.2	2,120.8	914.7	4,078.3	2,585.5	73	73	
9.1	3.1	36.4	17.5	241.4	88.8	1,149.2	472.3	2,997.5	1,476.2	5,448.9	3,738.4	100	100	
-	-	1.8	0.9	5.4	2.8	37.1	25.3	195.2	164.9	815.4	838.7	97	97	440
-	-	-	-	6.5	6.3	79.1	13.6	176.4	101.3	707.7	1,097.3	104	102	
-	-	-	-	7.9	10.8	35.6	12.2	323.0	158.1	1,093.0	1,331.4	136	129	
-	-	-	-	-	12.8	73.8	14.7	107.8	239.6	326.3	861.8	67	112	
-	-	1.5	0.8	5.5	4.0	40.2	23.2	202.1	162.6	819.4	889.2	100	100	
0.3	-	0.3	0.3	2.1	5.7	10.5	12.2	31.6	28.5	59.1	91.0	88	95	444
-	-	-	-	13.0	-	23.7	13.6	44.1	18.4	-	91.4	145	77	
-	-	3.1	-	3.9	10.8	25.4	28.5	83.4	42.6	47.5	164.4	197	172	
-	-	-	-	-	-	36.9	14.7	-	-	-	172.4	85	90	
0.2	-	0.5	0.3	2.8	5.7	13.1	13.8	35.6	28.5	53.9	98.1	100	100	
6.9	8.0	18.4	16.3	29.4	35.2	94.1	102.1	198.0	252.9	315.1	439.2	97	102	451-453
25.1	15.1	25.6	15.2	52.1	44.4	118.7	68.2	191.1	276.4	321.7	457.2	123	104	
18.5	-	24.6	9.0	47.4	28.9	122.1	114.1	125.0	158.1	237.6	213.7	111	71	
-	8.6	10.4	30.6	13.6	38.3	55.3	88.1	179.7	152.5	163.1	402.2	72	86	
9.1	7.6	19.6	16.2	32.1	35.8	97.8	101.3	192.4	244.9	306.8	422.8	100	100	
0.3	-	-	0.9	1.7	3.2	2.1	4.1	3.8	4.9	7.9	19.9	94	100	454
-	-	-	-	-	-	-	-	-	9.2	-	22.9	-	74	
-	-	3.1	-	-	-	-	4.1	31.3	12.2	-	32.9	258	121	
-	-	-	-	-	-	-	-	-	-	-	57.5	-	85	
0.2	-	0.3	0.8	1.4	2.7	1.7	3.7	5.7	5.6	6.7	21.8	100	100	
68.8	45.8	214.8	154.4	907.8	604.7	3,935.8	2,617.2	14,663.0	8,966.5	47,522.3	33,372.8	100	99	460-519
55.1	55.4	291.9	132.0	886.3	627.5	3,774.4	2,988.0	13,817.8	8,329.1	45,358.0	32,483.7	95	98	
82.0	70.7	260.9	237.0	1,066.0	711.1	4,299.8	3,159.2	14,160.1	8,416.0	43,957.6	32,644.6	100	101	
79.4	17.1	187.8	132.6	981.4	651.2	4,298.2	2,877.6	16,391.1	9,626.3	56,117.5	43,550.7	112	118	
70.1	47.7	222.2	160.6	924.1	618.7	3,971.1	2,697.6	14,623.6	8,909.4	47,384.1	33,502.3	100	100	
0.8	-	1.5	-	2.9	1.2	4.7	2.3	11.5	6.1	23.6	14.2	104	93	460-465,
-	-	-	-	-	-	-	6.8	14.7	-	-	22.9	39	82	470-478
2.6	-	-	-	-	-	-	-	31.3	-	-	98.6	100	161	
-	-	-	-	-	-	-	-	-	-	-	114.9	-	177	
0.9	-	1.3	-	2.4	1.0	3.9	2.2	12.9	5.1	20.2	23.0	100	100	
1.4	0.3	2.5	3.1	3.3	1.6	11.5	12.6	47.8	51.5	145.7	127.9	109	111	466
-	-	-	-	-	-	-	-	14.7	46.1	128.7	45.7	45	60	
-	-	-	-	3.9	-	15.3	8.2	10.4	12.2	47.5	32.9	59	35	
-	-	-	-	-	-	-	-	-	-	-	-	24	17	
1.2	0.2	2.1	2.6	3.1	1.3	10.9	11.2	42.0	46.7	134.9	113.9	100	100	
46.6	26.2	107.9	72.4	336.5	212.8	1,455.2	1,011.6	7,495.1	5,496.6	32,573.1	26,797.1	101	101	480-486
30.1	35.3	169.0	50.8	371.5	253.5	1,297.7	1,200.7	6,409.1	4,864.8	28,372.9	26,105.8	89	97	
34.4	34.0	128.9	105.0	383.0	205.8	1,394.3	945.7	6,251.7	4,135.0	27,372.5	23,357.5	89	85	
44.1	8.6	73.0	40.8	422.6	229.9	1,863.2	1,247.9	9,669.3	6,228.8	40,783.0	37,632.9	127	130	
44.9	26.8	111.9	74.1	345.0	215.4	1,453.1	1,023.1	7,391.0	5,370.6	32,180.6	26,747.6	100	100	
0.3	0.3	0.3	-	0.4	0.8	7.8	2.7	12.4	12.1	74.8	54.0	106	99	487
-	-	-	-	-	-	-	6.8	-	9.2	64.3	45.7	32	112	
-	2.6	-	-	-	-	10.2	4.1	10.4	-	47.5	98.6	87	120	
-	-	-	-	-	-	-	-	-	-	163.1	57.5	74	52	
0.2	0.5	0.3	-	0.3	0.7	7.4	3.0	11.3	10.7	74.2	56.9	100	100	
13.3	12.2	81.7	65.1	456.2	339.4	2,067.2	1,399.6	5,832.3	2,640.4	10,754.0	3,411.5	99	97	490-496
15.0	5.0	92.2	76.2	436.6	329.6	2,033.6	1,630.5	5,865.2	2,819.4	11,838.1	3,451.8	101	104	
18.5	26.2	79.8	99.0	521.1	433.2	2,381.4	1,932.2	5,980.8	3,295.9	10,312.2	3,747.7	106	124	
8.8	-	104.3	81.6	436.2	344.8	2,066.1	1,394.8	5,571.5	2,722.4	10,766.7	2,757.8	98	96	
14.0	12.8	82.7	69.0	461.0	348.4	2,094.0	1,462.8	5,843.0	2,709.5	10,796.6	3,427.0	100	100	

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
490-493	Bronchitis, chronic and unspecified, emphysema and asthma	E	105.6	77.1	0.01	-	1.6	0.8	3.7	2.9	4.3	2.4	5.3	3.7
		W	142.5	109.7	-	-	-	-	-	-	-	-	9.4	5.0
		S	82.1	77.4	-	-	-	-	-	3.2	6.1	3.2	-	7.6
		NI	102.7	77.8	0.08	-	-	-	-	-	8.0	16.9	15.1	23.2
		UK	105.6	78.8	0.01	-	1.3	0.7	3.0	2.7	4.3	2.9	5.3	4.7
490,491	Bronchitis, chronic and unspecified	E	40.4	25.0	0.00	-	-	-	-	-	-	0.3	-	0.3
		W	80.6	48.2	-	-	-	-	-	-	-	-	-	-
		S	27.0	22.0	-	-	-	-	-	-	-	-	-	2.5
		NI	42.3	31.3	-	-	-	-	-	-	-	-	-	-
		UK	41.5	26.1	0.00	-	-	-	-	-	-	0.3	-	0.4
493	Asthma	E	19.7	32.1	-	-	1.6	0.8	3.7	2.9	4.3	2.1	4.5	3.4
		W	14.6	36.8	-	-	-	-	-	-	-	-	9.4	5.0
		S	16.9	29.6	-	-	-	-	-	3.2	6.1	3.2	-	5.1
		NI	19.3	32.5	0.08	-	-	-	-	-	8.0	16.9	15.1	23.2
		UK	19.3	32.2	0.00	-	1.3	0.7	3.0	2.7	4.3	2.6	4.7	4.2
494	Bronchiectasis	E	12.3	14.9	-	-	-	-	-	-	0.7	-	-	0.3
		W	6.3	9.4	-	-	-	-	-	-	-	-	-	-
		S	9.3	9.9	-	-	-	-	-	-	-	-	-	-
		NI	7.3	11.6	-	-	-	-	-	-	-	-	-	-
		UK	11.6	14.1	-	-	-	-	-	-	0.5	-	-	0.2
496	Chronic airways obstruction, not elsewhere classified	E	466.3	345.1	-	0.00	0.8	-	-	-	-	-	0.3	0.5
		W	496.3	392.7	-	-	-	-	-	-	-	-	-	-
		S	480.2	448.1	-	-	-	-	-	-	-	-	-	-
		NI	349.3	267.0	-	-	-	-	-	-	-	-	-	-
		UK	465.9	354.6	-	0.00	0.7	-	-	-	-	-	0.2	0.4
500-508	Pneumoconiosis and other lung disease due to external agents	E	20.8	10.6	0.00	-	0.8	-	-	-	-	0.3	1.0	0.3
		W	68.1	16.7	-	-	-	-	-	-	-	-	-	5.0
		S	37.8	24.3	-	0.04	-	-	-	-	3.0	-	2.5	-
		NI	16.9	16.3	-	-	-	-	-	-	-	-	-	-
		UK	24.5	12.3	0.00	0.00	0.7	-	-	-	0.3	0.3	1.1	0.4
520-579	IX Diseases of the digestive system	E	361.3	436.0	0.05	0.05	6.3	5.8	2.7	2.2	3.9	3.8	31.9	18.0
		W	358.0	449.6	-	-	-	14.6	5.0	5.3	5.5	5.9	18.9	5.0
		S	498.3	508.4	0.10	0.04	-	-	6.0	6.3	9.1	3.2	52.7	25.4
		NI	282.8	307.7	0.08	-	-	-	-	-	-	8.5	22.7	30.9
		UK	372.2	440.4	0.05	0.05	6.6	5.6	3.5	2.7	4.6	4.0	32.8	18.4
530	Diseases of oesophagus	E	10.1	10.6	0.01	0.00	-	-	0.6	-	-	-	0.8	0.5
		W	13.9	8.7	-	-	-	-	-	-	-	-	4.7	-
		S	11.3	15.6	0.03	-	-	-	-	-	-	-	-	-
		NI	4.8	10.4	-	-	-	-	-	-	-	-	-	-
		UK	10.3	11.0	0.01	0.00	-	-	0.5	-	-	-	0.8	0.4
531-533	Ulcer of stomach and duodenum	E	69.8	80.0	-	-	-	-	-	0.6	0.3	0.3	1.3	1.3
		W	69.5	76.9	-	-	-	-	-	-	-	-	-	-
		S	64.4	58.4	-	-	-	-	-	-	-	-	5.0	-
		NI	43.5	51.1	-	-	-	-	-	-	-	8.5	-	7.7
		UK	68.7	77.3	-	-	0.7	-	-	0.5	0.5	0.6	1.5	1.3
540-543	Appendicitis	E	2.9	2.5	-	-	-	-	0.3	0.6	-	-	0.5	0.5
		W	2.8	2.7	-	-	-	-	-	-	-	-	-	-
		S	1.6	2.7	-	-	-	-	3.0	3.2	-	-	-	-
		NI	1.2	1.2	-	-	-	-	-	-	-	-	-	-
		UK	2.8	2.5	-	-	-	-	0.5	0.8	-	-	0.4	0.4
550-553	Hernia of abdominal cavity	E	11.6	16.1	0.00	0.00	-	-	-	-	-	-	0.3	-
		W	7.6	14.0	-	-	-	-	-	-	-	-	-	-
		S	5.6	12.5	-	-	-	-	-	-	-	-	2.5	-
		NI	7.3	5.8	-	-	-	-	-	-	-	-	-	-
		UK	10.7	15.4	0.00	0.00	-	-	-	-	-	-	0.4	-
556	Idiopathic proctocolitis	E	2.7	3.6	-	-	-	-	-	-	-	-	0.5	1.1
		W	1.4	6.7	-	-	-	-	-	-	-	-	-	-
		S	4.8	2.7	-	-	-	-	-	-	-	-	2.5	-
		NI	2.4	3.5	-	-	-	-	-	-	-	-	-	-
		UK	2.8	3.7	-	-	-	-	-	-	-	-	0.6	0.9
560	Intestinal obstruction without mention of hernia	E	20.7	29.6	0.01	0.01	-	0.8	0.3	0.3	0.3	0.7	0.3	0.8
		W	21.5	26.8	-	-	-	-	-	-	-	-	-	-
		S	21.3	42.1	-	-	-	-	-	-	-	-	-	5.1
		NI	19.3	23.2	-	-	-	-	-	-	-	-	-	-
		UK	20.8	30.4	0.01	0.01	-	0.7	0.3	0.3	0.3	0.6	0.2	1.1

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR		ICD 9 code
												All ages		
35-44		45-54		55-64		65-74		75-84		85 and over				
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
10.0	10.5	31.0	26.1	119.6	80.9	370.6	227.6	929.0	393.6	1,646.6	611.2	99	97	490-493
15.0	5.0	61.4	45.7	169.4	88.7	506.4	382.0	955.5	506.7	2,123.1	640.1	123	128	
13.2	23.6	27.6	21.0	122.4	90.2	376.6	256.8	718.9	364.9	665.3	575.3	82	101	
8.8	-	41.7	51.0	190.8	89.4	498.1	337.7	862.7	392.0	1,794.5	517.1	119	118	
10.7	11.2	32.5	27.3	125.0	82.7	382.5	241.6	912.7	397.4	1,615.1	609.3	100	100	
0.3	0.6	7.1	2.8	38.9	17.8	138.0	66.4	376.0	140.7	823.3	274.3	97	95	490,491
-	-	20.5	10.2	78.2	31.7	324.4	211.5	573.3	193.5	1,286.8	297.2	177	169	
-	-	9.2	-	23.7	18.0	147.6	89.7	239.6	79.1	285.1	279.4	70	88	
-	-	31.3	10.2	68.2	12.8	276.7	146.8	215.7	217.8	978.8	287.3	127	146	
0.2	0.5	8.5	3.1	41.1	18.4	153.3	78.5	372.7	140.2	816.0	277.4	100	100	
8.6	9.4	15.1	17.2	31.5	42.1	61.7	79.5	110.0	146.1	185.1	237.4	102	99	493
10.0	5.0	10.2	35.5	45.6	38.0	39.6	88.7	29.4	138.2	64.3	274.3	71	107	
13.2	23.6	9.2	15.0	47.4	39.7	66.2	81.5	52.1	121.6	95.0	147.9	90	95	
-	-	10.4	40.8	40.9	76.6	55.3	88.1	179.7	108.9	-	114.9	116	119	
9.1	10.2	14.2	18.5	33.8	42.9	60.7	80.4	102.7	142.8	172.0	230.2	100	100	
0.6	0.9	5.5	9.2	14.9	19.8	45.0	43.8	111.9	80.7	149.7	85.3	105	105	494
-	-	-	-	-	19.0	39.6	20.5	58.8	64.5	-	22.9	49	61	
2.6	-	-	3.0	15.8	21.7	35.6	24.5	83.4	36.5	142.6	115.1	85	72	
-	-	10.4	-	13.6	25.5	18.4	58.7	107.8	65.3	-	57.5	77	98	
0.7	0.7	4.9	8.0	14.2	20.1	43.2	41.1	106.7	76.2	138.2	83.6	100	100	
2.8	0.9	44.6	29.8	320.0	237.8	1,650.6	1,127.7	4,791.3	2,164.9	8,949.8	2,713.5	99	97	496
-	-	30.7	30.5	267.2	221.9	1,487.6	1,228.0	4,821.5	2,248.1	9,715.0	2,788.9	97	101	
2.6	2.6	52.2	75.0	379.0	321.3	1,959.1	1,650.9	5,147.2	2,888.5	9,504.3	3,057.3	111	131	
-	-	52.2	30.6	231.7	217.1	1,549.6	998.4	4,601.0	2,265.0	8,972.3	2,183.3	94	91	
2.6	0.9	44.7	33.7	320.1	244.5	1,666.6	1,179.8	4,819.6	2,234.3	9,036.5	2,732.9	100	100	
1.7	0.6	2.5	0.9	11.6	2.0	53.8	15.8	198.0	63.7	583.0	163.5	84	86	500-508
5.0	-	5.1	-	13.0	-	150.3	13.6	690.9	73.7	1,801.5	320.0	255	125	
10.6	-	18.4	3.0	35.5	21.7	96.7	53.0	354.3	121.6	950.4	378.1	169	214	
-	-	-	-	-	25.5	73.8	29.4	287.6	43.6	326.3	459.6	87	165	
2.6	0.5	3.9	1.0	13.5	4.4	63.7	19.4	239.3	68.6	667.6	193.8	100	100	
158.5	78.0	327.0	176.5	489.3	338.6	1,014.5	820.2	2,411.0	2,143.1	5,357.3	5,412.9	96	98	520-579
180.5	45.3	281.6	177.7	469.2	386.7	1,171.1	893.7	1,881.6	2,257.3	4,503.6	4,274.8	89	94	
243.4	133.6	675.2	332.9	927.8	559.5	1,409.5	1,031.3	2,531.9	2,329.0	6,748.1	6,131.1	140	122	
114.6	77.0	250.4	142.8	613.4	217.1	1,069.9	587.3	2,192.7	2,090.8	4,730.8	4,826.2	92	85	
167.2	82.2	355.5	190.2	531.4	360.4	1,061.4	841.4	2,392.8	2,167.3	5,405.0	5,393.1	100	100	
2.2	-	5.8	4.0	15.7	5.7	22.5	17.2	67.0	42.4	240.3	183.4	97	96	530
5.0	5.0	5.1	5.1	19.6	-	39.6	6.8	73.5	55.3	257.4	91.4	125	74	
-	-	15.3	9.0	15.8	3.6	35.6	16.3	20.8	54.7	427.7	394.5	117	155	
-	-	-	-	13.6	-	18.4	-	35.9	65.3	163.1	344.7	57	120	
2.1	0.2	6.5	4.4	15.9	5.0	25.3	16.1	63.1	44.7	252.9	197.5	100	100	
9.2	2.8	23.0	10.1	64.2	34.4	212.7	148.6	642.0	463.9	1,394.5	1,108.7	101	103	531-533
5.0	5.0	15.4	20.3	65.2	25.4	316.5	184.2	470.4	405.4	900.7	800.1	93	91	
5.3	5.2	43.0	27.0	71.1	43.3	223.9	126.4	552.2	322.3	1,283.1	772.6	100	81	
8.8	8.6	20.9	20.4	95.4	12.8	202.9	102.8	323.5	348.5	978.8	861.8	78	82	
8.6	3.3	24.5	12.4	65.6	34.2	219.2	147.7	619.2	447.7	1,355.5	1,062.4	100	100	
0.6	0.3	1.8	1.2	5.0	2.0	9.9	5.0	19.1	12.7	35.5	25.6	104	100	540-543
-	-	-	-	-	-	15.8	6.8	29.4	9.2	-	45.7	92	98	
-	-	3.1	-	-	-	5.1	8.2	10.4	12.2	-	32.9	60	111	
-	-	-	-	-	-	-	-	35.9	-	-	57.5	52	55	
0.5	0.2	1.8	1.0	4.5	1.7	9.6	5.2	19.4	12.2	30.3	27.9	100	100	
-	0.9	2.8	1.8	5.8	6.1	27.2	20.8	123.4	95.2	299.4	251.6	107	103	550-553
-	-	-	5.1	13.0	6.3	15.8	20.5	58.8	55.3	193.0	228.6	65	84	
-	-	6.1	-	3.9	3.6	5.1	12.2	62.5	73.0	142.6	279.4	57	88	
-	-	-	-	-	-	55.3	-	71.9	65.3	163.1	114.9	85	47	
-	0.7	2.8	1.8	5.9	5.7	25.3	19.4	114.0	91.0	279.9	249.5	100	100	
0.8	-	0.9	0.6	6.2	0.8	7.8	6.3	20.1	21.8	31.5	45.5	96	97	556
-	-	-	5.1	-	-	7.9	27.3	-	36.9	64.3	22.9	45	169	
-	-	3.1	-	3.9	-	20.4	-	31.3	30.4	95.0	32.9	177	78	
-	-	10.4	-	-	12.8	-	-	-	43.6	163.1	-	103	117	
0.7	-	1.3	0.8	5.5	1.0	8.7	6.7	19.4	23.9	40.5	42.4	100	100	
1.4	1.4	3.4	4.3	11.6	8.5	53.3	41.1	193.3	141.9	598.8	525.9	99	96	560
5.0	-	5.1	5.1	6.5	6.3	71.2	34.1	161.7	119.8	514.7	457.2	95	81	
-	-	-	3.0	19.7	14.4	40.7	61.1	229.2	243.2	855.4	805.4	112	152	
-	8.6	-	-	27.3	-	73.8	29.4	143.8	196.0	978.8	459.6	117	96	
1.4	1.4	3.1	4.1	12.4	8.7	54.1	42.3	193.2	150.9	620.4	541.5	100	100	

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
562	Diverticula of intestine	E	16.4	50.0	-	-	-	-	-	-	-	-	0.5	-
		W	17.4	53.5	-	-	-	-	-	-	-	-	-	-
		S	12.5	41.7	-	-	-	-	-	-	-	-	-	-
		NI	10.9	20.9	-	-	-	-	-	-	-	-	-	-
		UK	16.1	48.7	-	-	-	-	-	-	-	-	0.4	-
571	Chronic liver disease and cirrhosis	E	106.8	64.3	-	0.00	0.8	1.7	-	-	1.3	-	21.4	9.5
		W	106.4	66.2	-	-	-	-	-	5.3	5.5	-	9.4	-
		S	206.1	111.5	-	-	-	-	-	-	9.1	-	37.6	10.2
		NI	76.1	47.6	-	-	-	-	-	-	-	-	-	15.5
		UK	114.9	68.4	-	0.00	0.7	1.4	-	0.3	2.2	-	21.6	9.3
574-575.1	Cholelithiasis and cholecystitis	E	8.7	16.7	-	-	-	-	-	-	-	0.3	-	0.5
		W	9.0	14.0	-	-	-	-	-	-	-	-	-	-
		S	10.1	19.0	-	-	-	-	-	-	-	-	-	-
		NI	13.3	8.1	-	-	-	-	-	-	-	-	-	-
		UK	9.0	16.5	-	-	-	-	-	-	-	0.3	-	0.4
580-629	X Diseases of the genitourinary system	E	116.5	144.9	0.01	0.01	-	1.7	0.6	-	1.6	2.4	5.8	4.8
		W	130.7	177.3	-	-	-	-	-	-	-	11.9	14.2	-
		S	146.1	200.0	-	-	-	-	-	-	3.0	-	-	12.7
		NI	142.6	170.7	0.08	-	-	-	-	-	-	-	7.6	-
		UK	120.8	152.2	0.01	0.01	-	1.4	0.5	-	1.6	2.6	5.9	5.1
580-599	Diseases of urinary system	E	106.7	139.9	0.01	0.01	-	1.7	0.6	-	1.6	2.1	5.8	4.0
		W	120.9	171.9	-	-	-	-	-	-	-	11.9	14.2	-
		S	142.9	196.9	-	-	-	-	-	-	3.0	-	-	10.2
		NI	136.6	170.7	0.08	-	-	-	-	-	-	-	7.6	-
		UK	111.7	147.5	0.01	0.01	-	1.4	0.5	-	1.6	2.3	5.9	4.2
580-589	Nephritis and nephrotic syndrome and nephrosis	E	52.7	56.3	0.01	0.00	-	-	0.3	-	1.0	0.7	2.5	1.8
		W	79.2	81.6	-	-	-	-	-	-	-	5.9	-	-
		S	101.4	120.7	-	-	-	-	-	-	-	-	-	10.2
		NI	99.1	95.2	0.08	-	-	-	-	-	-	-	7.6	-
		UK	59.8	64.4	0.01	0.00	-	-	0.3	-	0.8	0.9	2.5	2.4
590	Infections of kidney	E	5.9	10.2	-	-	-	0.8	-	-	0.3	1.0	0.8	0.3
		W	7.6	11.4	-	-	-	-	-	-	-	-	4.7	-
		S	4.8	7.2	-	-	-	-	-	-	3.0	-	-	-
		NI	3.6	10.4	-	-	-	-	-	-	-	-	-	-
		UK	5.8	10.0	-	-	-	0.7	-	-	0.5	0.9	0.8	0.2
592,594	Urinary calculus	E	1.6	3.3	-	-	-	-	-	-	-	-	0.5	0.5
		W	0.7	5.4	-	-	-	-	-	-	-	-	-	-
		S	1.2	1.5	-	-	-	-	-	-	-	-	-	-
		NI	-	2.3	-	-	-	-	-	-	-	-	-	-
		UK	1.5	3.2	-	-	-	-	-	-	-	-	0.4	0.4
595	Cystitis	E	0.2	1.2	-	-	-	-	-	-	-	-	-	-
		W	-	0.7	-	-	-	-	-	-	-	-	-	-
		S	0.4	0.4	-	-	-	-	-	-	-	-	-	-
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	0.2	1.1	-	-	-	-	-	-	-	-	-	-
600-608	Diseases of male genital organs	E	9.8	-	-	-	-	-	-	-	-	-	-	-
		W	9.7	-	-	-	-	-	-	-	-	-	-	-
		S	3.2	-	-	-	-	-	-	-	-	-	-	-
		NI	6.0	-	-	-	-	-	-	-	-	-	-	-
		UK	9.1	-	-	-	-	-	-	-	-	-	-	-
600	Hyperplasia of prostate	E	8.0	-	-	-	-	-	-	-	-	-	-	-
		W	9.0	-	-	-	-	-	-	-	-	-	-	-
		S	2.8	-	-	-	-	-	-	-	-	-	-	-
		NI	6.0	-	-	-	-	-	-	-	-	-	-	-
		UK	7.5	-	-	-	-	-	-	-	-	-	-	-
610-629	Disorders of breast and diseases of female genital organs	E	-	5.0	-	-	-	-	-	-	0.3	-	-	0.8
		W	-	5.4	-	-	-	-	-	-	-	-	-	-
		S	-	3.0	-	-	-	-	-	-	-	-	-	2.5
		NI	-	-	-	-	-	-	-	-	-	-	-	-
		UK	-	4.7	-	-	-	-	-	-	0.3	-	-	0.9

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR		ICD 9 code
35-44		45-54		55-64		65-74		75-84		85 and over		All ages		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
0.6	-	4.3	5.2	9.9	19.0	51.2	107.5	170.3	294.1	327.0	668.1	101	102	562
5.0	-	5.1	10.2	6.5	25.4	63.3	61.4	102.9	405.4	450.4	480.1	99	101	
-	-	3.1	12.0	15.8	21.7	45.8	122.3	114.6	249.3	285.1	476.7	84	92	
-	8.6	10.4	-	-	-	-	58.7	215.7	152.5	326.3	344.7	85	53	
0.7	0.2	4.4	5.9	10.0	19.1	50.2	105.5	164.9	293.7	330.4	637.2	100	100	
114.6	56.1	224.3	110.2	247.1	151.7	259.3	159.0	224.8	146.1	165.4	73.9	93	94	571
120.3	30.2	210.0	86.3	267.2	209.2	213.6	150.1	235.2	156.6	64.3	68.6	89	92	
187.8	104.7	515.6	213.0	544.8	303.2	442.7	265.0	218.8	170.3	427.7	32.9	180	161	
61.7	51.3	135.6	81.6	286.3	76.6	276.7	73.4	251.6	283.1	-	57.5	76	78	
120.4	59.6	248.3	117.9	275.9	167.8	273.8	166.0	225.5	152.4	175.3	70.3	100	100	
0.6	0.6	1.8	1.5	7.5	10.5	27.7	24.4	76.5	83.7	208.8	271.5	96	100	574-575.1
-	-	-	-	6.5	12.7	31.7	27.3	58.8	46.1	257.4	228.6	92	78	
2.6	2.6	-	6.0	15.8	10.8	25.4	40.8	93.8	103.4	285.1	279.4	122	125	
-	-	-	-	13.6	12.8	18.4	29.4	179.7	-	652.5	229.8	186	62	
0.7	0.7	1.5	1.8	8.3	10.7	27.5	26.2	79.2	81.3	225.9	268.9	100	100	
6.4	9.7	17.5	18.7	51.3	49.8	254.0	199.2	1,110.8	725.3	3,761.9	2,496.1	95	94	580-629
10.0	15.1	41.0	20.3	65.2	95.1	158.3	211.5	1,131.9	773.9	4,375.0	2,880.3	99	108	
-	7.9	36.8	24.0	82.9	83.0	376.6	273.1	1,490.0	1,052.0	5,322.4	4,076.5	134	144	
8.8	-	20.9	10.2	27.3	102.2	350.5	264.3	1,905.1	1,219.6	6,362.2	3,677.1	150	141	
6.5	9.7	20.7	19.3	54.6	56.9	262.0	208.7	1,160.8	766.8	3,961.9	2,657.8	100	100	
6.4	8.0	17.5	15.7	46.8	46.5	235.2	189.2	1,013.2	701.0	3,411.3	2,446.3	94	94	580-599
10.0	15.1	41.0	15.2	58.7	95.1	150.3	197.8	1,014.3	764.7	4,117.6	2,788.9	99	108	
-	7.9	36.8	24.0	79.0	75.8	361.3	273.1	1,448.3	1,027.7	5,322.4	4,060.0	141	146	
8.8	-	20.9	10.2	27.3	102.2	350.5	264.3	1,797.3	1,219.6	6,035.9	3,677.1	155	146	
6.5	8.3	20.7	16.5	50.1	53.6	244.5	199.7	1,066.3	743.9	3,641.6	2,609.3	100	100	
3.6	4.3	9.8	6.8	22.8	23.1	126.5	93.5	506.1	266.2	1,563.9	942.4	87	87	580-589
5.0	5.0	25.6	5.1	32.6	44.4	110.8	102.3	705.6	368.5	2,637.8	1,303.0	122	117	
-	5.2	24.6	15.0	59.2	39.7	254.4	171.2	1,062.8	735.8	3,659.2	2,186.2	186	204	
8.8	-	20.9	10.2	27.3	63.8	258.3	102.8	1,330.0	718.7	3,915.2	2,068.4	209	185	
4.0	4.5	12.4	7.7	26.9	26.8	140.2	101.7	579.6	321.7	1,820.8	1,076.9	100	100	
0.3	1.4	2.8	2.8	3.3	7.3	21.4	23.9	45.9	57.6	126.1	102.3	100	101	590
-	-	15.4	-	-	19.0	7.9	13.6	44.1	55.3	193.0	137.2	121	105	
-	2.6	6.1	3.0	11.8	3.6	5.1	20.4	31.3	12.2	95.0	147.9	89	76	
-	-	-	-	-	25.5	-	44.0	71.9	87.1	163.1	-	77	126	
0.2	1.4	3.6	2.6	3.8	8.0	18.8	23.6	45.3	54.4	128.1	105.4	100	100	
0.3	0.3	0.3	0.9	2.5	1.6	2.6	6.8	11.5	20.6	51.2	34.1	107	102	592,594
-	-	-	-	-	6.3	-	20.5	-	9.2	64.3	68.6	43	153	
-	-	-	-	-	-	5.1	8.2	10.4	6.1	47.5	16.4	87	50	
-	-	-	-	-	-	-	-	-	43.6	-	-	-	88	
0.2	0.2	0.3	0.8	2.1	1.7	2.6	7.5	10.5	19.3	50.6	33.9	100	100	
-	-	-	-	0.4	0.8	1.0	1.8	1.9	5.5	3.9	22.7	102	111	595
-	-	-	-	-	6.3	-	-	-	-	-	-	-	56	
-	-	-	-	-	-	-	-	10.4	6.1	-	-	178	38	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	0.3	1.0	0.9	1.5	2.4	5.1	3.4	19.4	100	100	
-	-	-	-	4.6	-	18.8	-	97.6	-	350.6	-	106	-	600-608
-	-	-	-	6.5	-	7.9	-	117.6	-	257.4	-	98	-	
-	-	-	-	3.9	-	15.3	-	41.7	-	-	-	39	-	
-	-	-	-	-	-	-	-	107.8	-	326.3	-	85	-	
-	-	-	-	4.5	-	17.5	-	94.6	-	320.3	-	100	-	
-	-	-	-	2.9	-	15.7	-	76.5	-	303.3	-	105	-	600
-	-	-	-	6.5	-	7.9	-	102.9	-	257.4	-	110	-	
-	-	-	-	3.9	-	15.3	-	31.3	-	-	-	42	-	
-	-	-	-	-	-	-	-	107.8	-	326.3	-	103	-	
-	-	-	-	3.1	-	14.8	-	75.2	-	279.9	-	100	-	
-	1.7	-	3.1	-	3.2	-	9.9	-	24.3	-	49.8	-	106	610-629
-	-	-	5.1	-	-	-	13.6	-	9.2	-	91.4	-	107	
-	-	-	-	-	7.2	-	-	-	24.3	-	16.4	-	68	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	1.4	-	2.8	-	3.3	-	9.0	-	22.9	-	48.5	-	100	



Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population									
							1-4		5-14		15-24		25-34			
			M	F	M	F	M	F	M	F	M	F	M	F		
630-676	XI Complications of pregnancy, childbirth and the puerperium	E	-	1.7	-	-	-	-	-	-	-	-	3.1	-	6.6	
		W	-	-	-	-	-	-	-	-	-	-	-	-	-	
		S	-	1.9	-	-	-	-	-	-	-	-	6.4	-	7.6	
		NI	-	1.2	-	-	-	-	-	-	-	-	-	-	7.7	
		UK	-	1.6	-	-	-	-	-	-	-	-	3.1	-	6.4	
630-639	Pregnany with abortive outcome	E	-	0.3	-	-	-	-	-	-	-	-	0.3	-	1.1	
		W	-	-	-	-	-	-	-	-	-	-	-	-	-	
		S	-	-	-	-	-	-	-	-	-	-	-	-	-	
		NI	-	-	-	-	-	-	-	-	-	-	-	-	-	
		UK	-	0.2	-	-	-	-	-	-	-	-	0.3	-	0.9	
640-646, 651-676	Direct obstetric causes	E	-	1.0	-	-	-	-	-	-	-	-	1.7	-	3.7	
		W	-	-	-	-	-	-	-	-	-	-	-	-	-	
		S	-	1.1	-	-	-	-	-	-	-	-	3.2	-	5.1	
		NI	-	1.2	-	-	-	-	-	-	-	-	-	-	7.7	
		UK	-	1.0	-	-	-	-	-	-	-	-	1.7	-	3.8	
647-648	Indirect obstetric causes	E	-	0.4	-	-	-	-	-	-	-	-	1.0	-	1.8	
		W	-	-	-	-	-	-	-	-	-	-	-	-	-	
		S	-	0.8	-	-	-	-	-	-	-	-	3.2	-	2.5	
		NI	-	-	-	-	-	-	-	-	-	-	-	-	-	
		UK	-	0.4	-	-	-	-	-	-	-	-	1.1	-	1.8	
680-709	XII Diseases of the skin and subcutaneous tissue	E	11.2	29.3	-	-	-	-	0.3	-	0.3	0.3	0.5	0.5	-	
		W	16.0	26.1	-	-	-	-	-	-	-	5.9	-	-	-	
		S	13.3	23.1	-	-	-	-	-	-	-	-	2.5	5.1	-	
		NI	13.3	29.0	-	-	-	-	-	-	-	-	-	-	-	
		UK	11.7	28.6	-	-	-	-	0.3	-	0.3	0.6	0.6	0.9	-	
710-739	XIII Diseases of the musculoskeletal system and connective tissue	E	35.1	101.2	-	-	0.8	0.8	1.2	1.0	1.0	3.4	2.8	4.8	-	
		W	29.9	77.6	-	-	-	-	-	-	5.5	5.9	-	-	-	
		S	31.4	78.2	-	-	-	-	-	-	3.0	-	-	-	-	
		NI	6.0	29.0	-	-	-	-	-	-	-	-	-	-	-	
		UK	33.8	96.2	-	-	0.7	1.4	1.0	0.8	1.4	3.7	2.8	4.2	-	
710-713, 715, 716	Arthropathies excluding rheumatoid arthritis	E	7.3	21.6	-	-	0.8	-	-	0.6	0.3	2.1	1.0	4.0	-	
		W	5.6	16.1	-	-	-	-	-	-	-	-	-	-	-	
		S	9.3	27.3	-	-	-	-	-	-	3.0	-	-	-	-	
		NI	-	13.9	-	-	-	-	-	-	-	-	-	-	-	
		UK	7.1	21.8	-	-	0.7	0.7	-	0.5	0.5	2.3	0.8	3.5	-	
714	Rheumatoid arthritis, and other inflammatory polyarthropathies	E	5.4	23.3	-	-	-	-	0.3	-	0.3	0.3	-	0.3	-	
		W	9.7	30.1	-	-	-	-	-	-	-	-	-	-	-	
		S	6.4	26.6	-	-	-	-	-	-	-	-	-	-	-	
		NI	1.2	5.8	-	-	-	-	-	-	-	-	-	-	-	
		UK	5.6	23.5	-	-	-	-	0.3	-	0.3	0.3	-	0.2	-	
715	Osteoarthritis and allied disorders	E	2.9	10.3	-	-	-	-	-	-	-	-	-	-	-	
		W	3.5	5.4	-	-	-	-	-	-	-	-	-	-	-	
		S	4.8	15.6	-	-	-	-	-	-	-	-	-	-	-	
		NI	-	4.6	-	-	-	-	-	-	-	-	-	-	-	
		UK	3.0	10.3	-	-	-	-	-	-	-	-	-	-	-	
730	Osteomyelitis, periostitis and other infections involving bone	E	1.5	2.0	-	-	-	-	-	-	-	-	0.3	-	-	
		W	3.5	2.7	-	-	-	-	-	-	5.5	-	-	-	-	
		S	2.4	0.4	-	-	-	-	-	-	-	-	-	-	-	
		NI	-	2.3	-	-	-	-	-	-	-	-	-	-	-	
		UK	1.6	1.9	-	-	-	-	-	-	0.3	-	0.2	-	-	
740-759	XIV Congenital anomalies	E	23.2	22.6	0.31	0.36	39.4	30.7	11.0	6.7	13.8	9.3	14.1	14.5	-	
		W	24.3	23.4	0.53	0.31	13.9	43.9	10.1	10.6	16.6	17.8	23.6	15.0	-	
		S	37.4	31.5	1.19	1.33	72.3	59.1	12.0	28.4	45.7	6.4	20.1	12.7	-	
		NI	42.3	40.6	2.06	1.54	-	20.9	-	23.1	15.9	16.9	22.7	23.2	-	
		UK	25.9	24.5	0.48	0.50	42.9	37.5	11.4	9.9	17.9	10.0	15.5	14.6	-	
741,742.3	Spina bifida and hydrocephalus	E	0.9	1.2	0.00	0.01	0.8	-	0.9	1.0	0.7	0.3	1.8	3.7	-	
		W	0.7	2.7	-	0.06	-	14.6	-	5.3	5.5	-	-	-	-	
		S	1.6	1.1	-	-	-	8.4	-	-	-	-	7.5	5.1	-	
		NI	1.2	3.5	-	0.09	-	-	-	15.4	8.0	-	-	-	-	
		UK	1.0	1.3	0.00	0.01	0.7	1.4	0.8	1.6	1.1	0.3	2.1	3.5	-	
745-747	Congenital anomalies of heart and circulatory system	E	12.4	10.8	0.17	0.16	17.3	15.8	5.2	3.2	8.2	5.2	7.5	7.1	-	
		W	11.8	12.7	0.23	0.12	13.9	14.6	-	-	11.1	11.9	4.7	10.0	-	
		S	16.5	15.2	0.34	0.61	40.2	16.9	9.0	18.9	33.5	3.2	5.0	5.1	-	
		NI	6.0	13.9	0.16	0.60	-	20.9	-	-	-	8.5	-	-	-	
		UK	13.1	11.9	0.20	0.23	20.4	19.4	5.8	4.8	11.1	5.7	7.2	6.9	-	

United Kingdom, England, Wales, Scotland, Northern Ireland													SMR	ICD 9 code
35-44		45-54		55-64		65-74		75-84		85 and over		All ages		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
-	2.3	-	0.3	-	-	-	-	-	-	-	-	-	105	630-676
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	115	-
-	-	-	-	-	-	-	-	-	-	-	-	-	69	-
-	1.9	-	0.3	-	-	-	-	-	-	-	-	-	100	-
-	0.3	-	0.3	-	-	-	-	-	-	-	-	-	119	630-639
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	0.2	-	0.3	-	-	-	-	-	-	-	-	-	100	-
-	2.0	-	-	-	-	-	-	-	-	-	-	-	104	640-646, 651-676
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	113	-
-	-	-	-	-	-	-	-	-	-	-	-	-	113	-
-	1.7	-	-	-	-	-	-	-	-	-	-	-	100	-
-	-	-	-	-	-	-	-	-	-	-	-	-	100	647-648
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	188	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2	0.6	4.0	2.8	6.6	5.7	24.0	32.5	73.7	144.9	429.4	562.9	95	101	680-709
-	-	-	-	13.0	6.3	39.6	34.1	102.9	82.9	579.0	525.8	127	84	-
2.6	2.6	3.1	-	19.7	14.4	25.4	20.4	156.3	139.9	237.6	427.4	125	90	-
-	-	20.9	10.2	-	-	18.4	73.4	107.8	174.2	815.7	632.0	144	129	-
2.1	0.7	4.1	2.6	7.9	6.4	24.9	32.5	82.5	141.8	431.6	552.4	100	100	-
3.3	7.4	7.7	13.2	28.6	44.1	80.5	149.0	300.4	500.3	1,032.1	1,671.6	103	104	710-739
-	10.1	20.5	5.1	52.1	31.7	102.9	163.7	176.4	359.3	321.7	1,005.8	81	74	-
10.6	7.9	9.2	18.0	15.8	36.1	76.3	163.1	270.9	377.0	1,188.0	1,397.2	101	88	-
8.8	17.1	10.4	10.2	13.6	25.5	18.4	44.0	-	239.6	163.1	344.7	22	38	-
4.0	7.8	8.5	13.1	28.3	42.5	80.3	149.2	284.5	476.1	987.9	1,589.3	100	100	-
1.9	5.1	1.8	5.8	10.3	14.2	16.7	34.8	48.8	87.9	197.0	321.2	101	98	710-713, 715,716
-	10.1	-	5.1	6.5	12.7	31.7	27.3	29.4	55.3	64.3	205.7	72	69	-
5.3	7.9	-	12.0	3.9	7.2	10.2	61.1	72.9	85.1	475.2	558.9	140	134	-
-	8.6	-	-	-	25.5	-	14.7	-	108.9	-	172.4	-	78	-
2.1	5.7	1.5	6.2	9.3	14.1	16.6	36.3	48.5	86.4	205.7	329.5	100	100	-
0.3	0.6	1.5	3.1	5.0	15.8	21.4	62.3	50.7	155.8	67.0	196.2	96	99	714
-	-	10.2	-	26.1	19.0	47.5	81.9	29.4	165.8	-	274.3	159	117	-
-	-	-	6.0	3.9	14.4	35.6	73.4	72.9	170.3	47.5	295.9	122	118	-
-	-	-	-	13.6	-	-	-	-	87.1	-	57.5	27	30	-
0.2	0.5	1.8	3.1	6.2	15.4	23.6	63.6	50.1	156.0	60.7	204.7	100	100	-
-	-	-	-	2.9	1.6	3.1	6.8	28.7	45.5	110.3	233.1	95	98	715
-	-	-	-	-	-	15.8	-	29.4	27.6	64.3	114.3	106	48	-
-	-	-	-	-	-	-	20.4	52.1	48.6	332.7	460.2	179	170	-
-	-	-	-	-	-	-	-	-	43.6	-	114.9	-	58	-
-	-	-	-	2.4	1.3	3.5	7.5	29.9	44.7	121.4	241.1	100	100	-
-	0.3	0.9	-	1.2	2.0	3.7	4.5	12.4	9.1	39.4	25.6	91	104	730
-	-	10.2	-	-	-	-	13.6	29.4	-	-	45.7	196	132	-
2.6	-	-	-	-	-	5.1	-	31.3	6.1	47.5	-	157	22	-
-	-	-	-	-	-	-	14.7	-	21.8	-	-	-	153	-
0.2	0.2	1.3	-	1.0	1.7	3.5	4.9	14.6	8.6	37.1	24.2	100	100	-
14.2	10.5	11.4	17.8	26.1	21.0	26.7	32.1	54.5	43.1	106.4	46.9	89	92	740-759
10.0	5.0	15.4	5.1	13.0	38.0	23.7	47.8	58.8	36.9	64.3	-	94	95	-
10.6	5.2	18.4	18.0	23.7	21.7	25.4	16.3	10.4	30.4	-	-	148	132	-
8.8	8.6	20.9	40.8	13.6	12.8	18.4	29.4	-	-	-	-	161	165	-
13.7	9.7	12.7	17.8	24.9	21.8	26.6	31.4	50.1	41.2	94.4	40.0	100	100	-
1.7	0.3	-	0.6	0.4	0.8	-	0.9	1.0	0.6	-	-	94	89	741,742.3
-	-	-	-	-	6.3	-	-	-	-	-	-	76	214	-
-	-	3.1	-	-	-	-	-	-	-	-	-	167	89	-
-	-	-	-	-	-	-	-	-	-	-	-	122	257	-
1.4	0.2	0.3	0.5	0.3	1.0	-	0.7	0.8	0.5	-	-	100	100	-
9.4	5.7	6.5	7.1	14.5	8.9	14.6	17.6	30.6	23.0	19.7	17.1	94	91	745-747
5.0	-	10.2	-	13.0	19.0	7.9	40.9	44.1	27.6	-	-	90	106	-
7.9	2.6	9.2	9.0	11.8	14.4	5.1	4.1	-	18.2	-	-	128	131	-
8.8	8.6	10.4	20.4	13.6	-	-	-	-	-	-	-	45	116	-
9.3	5.2	7.2	7.2	14.2	9.7	13.1	17.2	28.3	22.9	16.9	14.5	100	100	-

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
760-779	XV Certain conditions originating in the perinatal period	E	3.2	1.5	0.22	0.10	6.3	5.0	-	-	-	0.7	0.3	-
		W	3.5	3.3	0.18	0.31	27.8	-	-	-	-	-	-	-
		S	39.4	25.4	3.32	2.41	-	-	-	-	-	-	-	-
		NI	43.5	32.5	2.88	2.39	19.9	-	-	-	-	-	-	-
		UK	7.4	4.6	0.55	0.37	7.3	4.2	-	-	-	0.6	0.2	-
764-765	Slow fetal growth, fetal malnutrition and immaturity	E	0.2	0.0	0.02	0.00	-	-	-	-	-	-	-	-
		W	-	-	-	-	-	-	-	-	-	-	-	-
		S	7.2	5.3	0.61	0.50	-	-	-	-	-	-	-	-
		NI	12.1	15.1	0.82	1.11	-	-	-	-	-	-	-	-
		UK	1.1	0.9	0.09	0.08	-	-	-	-	-	-	-	-
767	Birth trauma	E	0.1	0.1	0.01	0.01	-	0.8	-	-	-	-	-	-
		W	-	-	-	-	-	-	-	-	-	-	-	-
		S	0.4	0.8	0.03	0.07	-	-	-	-	-	-	-	-
		NI	-	1.2	-	0.09	-	-	-	-	-	-	-	-
		UK	0.1	0.2	0.01	0.01	-	0.7	-	-	-	-	-	-
768-770	Hypoxia, birth asphyxia and other respiratory conditions	E	2.1	1.1	0.14	0.07	5.5	4.1	-	-	-	0.7	0.3	-
		W	3.5	3.3	0.18	0.31	27.8	-	-	-	-	-	-	-
		S	20.5	10.6	1.73	1.01	-	-	-	-	-	-	-	-
		NI	14.5	9.3	0.91	0.68	19.9	-	-	-	-	-	-	-
		UK	4.1	2.3	0.29	0.18	6.6	3.5	-	-	-	0.6	0.2	-
780-799	XVI Symptoms, signs and ill-defined conditions	E	119.3	411.7	0.49	0.37	12.6	5.0	0.6	1.0	7.5	3.4	17.1	6.1
		W	104.3	293.0	0.76	0.43	13.9	14.6	-	10.6	22.1	5.9	42.5	5.0
		S	57.2	97.1	0.64	0.65	8.0	8.4	3.0	-	12.2	3.2	15.1	7.6
		NI	50.8	124.2	0.08	0.34	-	-	-	-	15.9	8.5	22.7	-
		UK	111.5	370.2	0.50	0.39	11.9	5.6	0.8	1.3	9.2	3.7	18.6	6.0
797	Senility without mention of psychosis	E	92.0	393.8	-	-	-	-	-	-	-	-	-	-
		W	63.3	260.9	-	-	-	-	-	-	-	-	-	-
		S	8.5	34.1	-	-	-	-	-	-	-	-	-	-
		NI	31.4	91.7	-	-	-	-	-	-	-	-	-	-
		UK	81.7	347.1	-	-	-	-	-	-	-	-	-	-
798	Sudden infant death syndrome	E	5.1	3.8	0.40	0.32	1.6	-	-	-	-	-	-	-
		W	8.3	2.0	0.70	0.18	-	-	-	-	-	-	-	-
		S	7.6	6.8	0.64	0.65	-	-	-	-	-	-	-	-
		NI	1.2	3.5	0.08	0.26	-	-	-	-	-	-	-	-
		UK	5.4	4.0	0.42	0.34	1.3	-	-	-	-	-	-	-
E800-E999	EXVII External causes of injury and poisoning	E	391.9	215.4	0.10	0.08	58.3	49.8	39.9	21.2	387.6	122.7	506.5	113.6
		W	482.4	284.3	-	0.06	41.7	14.6	75.5	26.5	603.3	148.6	632.2	154.5
		S	594.5	342.2	0.24	0.11	80.4	25.3	111.3	56.7	596.5	171.6	712.6	162.4
		NI	469.0	210.2	0.16	0.26	139.6	41.8	73.3	61.7	548.8	169.3	703.5	100.4
		UK	418.9	230.7	0.11	0.09	64.0	47.2	49.1	26.1	427.4	130.2	539.9	120.8
E800-E949	Accidents and adverse effects	E	223.6	161.4	0.05	0.04	47.3	40.7	35.6	17.6	226.4	69.6	221.5	50.2
		W	299.6	226.8	-	0.06	41.7	14.6	65.4	26.5	337.6	89.1	320.8	79.8
		S	301.9	249.3	0.20	0.07	72.3	25.3	99.3	44.1	280.0	66.7	210.8	53.3
		NI	298.6	157.9	0.16	0.26	139.6	41.8	66.0	61.7	302.2	101.6	325.3	23.2
		UK	238.6	173.1	0.07	0.05	54.1	39.6	43.8	22.1	242.5	71.7	231.5	52.1
E800-E848	Transport accidents	E	85.7	31.1	-	0.01	15.0	15.8	21.0	12.8	154.0	50.3	112.9	23.5
		W	102.9	24.8	-	-	-	14.6	25.2	15.9	188.2	53.5	151.0	34.9
		S	111.1	46.7	-	0.04	32.2	8.4	45.1	34.7	213.1	54.0	130.5	38.1
		NI	119.7	39.5	0.16	-	59.8	41.8	36.6	54.0	206.8	76.2	189.1	23.2
		UK	90.9	32.8	0.01	0.01	18.5	16.7	23.8	16.5	164.6	52.0	120.3	25.7
E800-E807	Railway accidents	E	1.4	0.1	-	-	-	-	0.6	-	2.9	0.3	1.8	-
		W	3.5	-	-	-	-	-	-	-	5.5	-	9.4	-
		S	0.8	0.8	-	-	-	-	-	-	3.0	-	2.5	2.5
		NI	1.2	-	-	-	-	-	-	-	-	-	7.6	-
		UK	1.4	0.2	-	-	-	-	0.5	-	3.0	0.3	2.3	0.2
E810-E819	Motor vehicle traffic accidents	E	78.8	29.7	-	0.01	14.2	13.3	18.6	12.8	147.8	48.6	105.3	22.2
		W	92.4	24.1	-	-	-	14.6	25.2	15.9	182.6	53.5	136.8	29.9
		S	105.5	45.5	-	0.04	32.2	8.4	42.1	34.7	207.0	54.0	117.9	33.0
		NI	113.6	38.3	0.16	-	59.8	41.8	29.3	46.3	206.8	76.2	174.0	23.2
		UK	83.7	31.5	0.01	0.01	17.8	14.6	21.3	16.2	158.4	50.5	111.4	23.9
E810-E819 with fourth digit = 2	Motor cycle accidents (drivers)	E	16.4	0.6	-	-	-	-	0.3	-	24.2	1.0	40.0	1.3
		W	16.7	-	-	-	-	-	-	-	33.2	-	42.5	-
		S	8.5	-	-	-	-	-	-	-	9.1	-	20.1	-
		NI	12.1	-	-	-	-	-	-	-	23.9	-	22.7	-
		UK	15.8	0.5	-	-	-	-	0.3	-	23.9	0.9	37.9	1.1

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR	ICD 9
												All ages	code
35-44		45-54		55-64		65-74		75-84		85 and over		M	F
M	F	M	F	M	F	M	F	M	F	M	F	M	F
0.3	-	-	-	-	-	-	0.5	-	-	-	-	42	32
-	-	-	-	-	-	-	-	-	-	-	-	50	78
-	-	-	-	-	-	-	-	-	-	-	-	564	611
-	-	-	-	-	-	-	-	-	-	-	-	505	611
0.2	-	-	-	-	-	-	0.4	-	-	-	-	100	100
-	-	-	-	-	-	-	-	-	-	-	-	18	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	679	628
-	-	-	-	-	-	-	-	-	-	-	-	916	1385
-	-	-	-	-	-	-	-	-	-	-	-	100	100
-	-	-	-	-	-	-	-	-	-	-	-	79	60
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	415	416
-	-	-	-	-	-	-	-	-	-	-	-	-	498
-	-	-	-	-	-	-	-	-	-	-	-	100	100
0.3	-	-	-	-	-	-	-	-	-	-	-	51	48
-	-	-	-	-	-	-	-	-	-	-	-	90	154
-	-	-	-	-	-	-	-	-	-	-	-	532	506
-	-	-	-	-	-	-	-	-	-	-	-	306	346
0.2	-	-	-	-	-	-	-	-	-	-	-	100	100
23.0	7.7	33.8	10.7	26.1	13.3	42.9	37.5	397.0	695.6	7,464.7	12,602.6	105	109
30.1	20.2	46.1	30.5	19.6	25.4	95.0	61.4	235.2	488.3	4,954.0	8,000.9	89	74
23.8	7.9	43.0	12.0	43.4	21.7	76.3	65.2	260.5	255.4	1,758.3	2,662.9	58	31
8.8	8.6	10.4	30.6	27.3	-	55.3	102.8	431.3	392.0	2,773.2	4,194.2	57	44
23.5	8.3	34.6	12.4	27.3	14.4	48.9	43.0	378.3	640.3	6,831.3	11,451.3	100	100
-	-	-	-	-	-	8.4	16.7	348.3	651.9	7,334.8	12,477.5	110	111
-	-	-	-	-	-	15.8	20.5	220.5	433.0	4,761.0	7,772.3	72	70
-	-	-	-	-	-	-	-	31.3	60.8	855.4	1,315.0	12	12
-	-	-	-	-	-	18.4	14.7	359.5	196.0	2,447.0	3,964.4	52	35
-	-	-	-	-	-	8.3	15.3	316.9	579.8	6,639.1	11,228.4	100	100
-	-	-	-	-	-	-	-	-	-	-	-	95	94
-	-	-	-	-	-	-	-	-	-	-	-	165	53
-	-	-	-	-	-	-	-	-	-	-	-	151	188
-	-	-	-	-	-	-	-	-	-	-	-	19	75
-	-	-	-	-	-	-	-	-	-	-	-	100	100
423.5	116.1	398.3	135.4	373.0	147.2	423.4	262.4	891.7	669.5	2,580.2	2,238.8	93	93
401.1	146.1	368.7	142.2	547.4	196.5	498.5	320.6	984.9	866.1	4,310.6	3,040.3	115	118
642.8	201.6	555.5	210.0	647.5	249.1	702.2	387.3	1,323.3	960.8	4,277.0	4,783.3	143	156
440.9	222.4	532.1	173.4	518.0	127.7	535.0	220.2	718.9	544.5	3,099.5	2,413.1	119	104
445.7	129.2	417.5	143.3	412.3	159.4	455.8	276.7	928.0	703.8	2,802.0	2,478.5	100	100
189.0	52.4	185.0	67.2	200.8	85.7	297.4	192.4	721.4	597.3	2,351.7	2,160.6	93	92
185.5	80.6	204.8	60.9	312.8	126.8	348.2	238.8	808.5	792.4	3,988.9	3,017.5	123	124
214.3	73.3	239.4	90.0	379.0	176.9	422.3	248.7	1,062.8	857.4	4,086.9	4,717.5	129	154
211.6	102.6	354.8	112.2	408.9	89.4	405.8	161.5	718.9	544.5	2,936.4	2,413.1	135	108
194.4	57.7	198.4	70.3	229.3	96.8	314.8	200.1	753.4	630.6	2,572.7	2,405.8	100	100
87.7	16.2	73.4	20.0	67.5	29.1	81.0	46.5	139.7	78.2	248.2	83.9	94	95
95.3	5.0	61.4	10.2	110.8	25.4	95.0	20.5	176.4	46.1	321.7	45.7	114	74
105.8	28.8	79.8	45.0	106.6	72.2	86.5	40.8	198.0	85.1	285.1	131.5	122	143
70.5	42.8	73.0	30.6	95.4	12.8	129.1	14.7	215.7	21.8	489.4	114.9	133	124
89.9	17.8	76.2	22.1	74.6	32.8	83.4	44.5	148.7	76.7	259.6	86.0	100	100
1.1	0.3	2.2	-	0.4	0.4	0.5	-	1.9	-	-	-	94	72
-	-	5.1	-	6.5	-	-	-	-	-	-	-	244	-
-	-	-	-	-	-	-	-	-	-	-	16.4	55	459
-	-	-	-	-	-	-	-	-	-	-	-	82	-
0.9	0.2	2.3	-	0.7	0.3	0.4	-	1.6	-	-	1.2	100	100
78.8	15.1	64.2	19.0	58.4	27.9	71.1	45.6	132.0	74.0	248.2	81.0	94	94
85.2	5.0	51.2	10.2	78.2	25.4	95.0	20.5	161.7	46.1	257.4	45.7	111	75
103.2	28.8	76.7	45.0	90.8	72.2	86.5	40.8	198.0	85.1	285.1	115.1	126	145
61.7	42.8	73.0	30.6	81.8	12.8	129.1	14.7	215.7	21.8	489.4	114.9	137	125
81.3	16.9	67.4	21.4	63.2	31.8	75.1	43.8	141.5	73.2	256.3	82.4	100	100
26.9	0.9	12.9	0.6	7.0	0.4	3.7	-	3.8	-	-	-	104	120
35.1	-	5.1	-	6.5	-	-	-	-	-	-	-	111	-
18.5	-	9.2	-	-	-	-	-	-	-	-	-	53	-
26.5	-	10.4	-	-	-	-	-	-	-	-	-	77	-
26.8	0.7	12.4	0.5	6.2	0.3	3.1	-	3.2	-	-	-	100	100

Table 7 - continued

ICD 9 code	Underlying cause	Country	All ages		Deaths under 1 year per 1,000 live births		Death rates per million population							
							1-4		5-14		15-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F
E810-E819 with fourth digit = 3	Motor cycle accidents (passengers)	E	0.4	0.6	-	-	-	-	-	-	2.0	2.1	0.8	1.3
		W	-	0.7	-	-	-	-	-	-	-	-	-	5.0
		S	-	1.1	-	-	-	-	-	-	-	3.2	-	2.5
		NI	1.2	-	-	-	-	-	-	-	-	-	7.6	-
		UK	0.3	0.7	-	-	-	-	-	-	1.6	2.0	0.8	1.6
E830-E838	Water transport accidents	E	1.5	0.2	-	-	0.8	-	-	-	-	-	1.3	0.5
		W	2.1	-	-	-	-	-	-	-	-	-	-	-
		S	1.2	-	-	-	-	-	-	-	3.0	-	5.0	-
		NI	2.4	-	-	-	-	-	-	-	-	-	-	-
		UK	1.6	0.1	-	-	0.7	-	-	-	0.5	-	1.9	0.4
E850-E869	Accidental poisoning	E	27.9	10.9	0.00	0.01	0.8	2.5	0.6	1.0	35.1	11.7	60.8	15.8
		W	32.0	22.7	-	-	-	-	-	-	55.3	29.7	75.5	34.9
		S	12.1	3.0	-	-	-	-	9.0	-	30.4	9.5	7.5	-
		NI	32.6	10.4	-	-	-	-	14.7	-	23.9	-	53.0	-
		UK	27.1	10.9	0.00	0.01	0.7	2.1	1.8	0.8	35.5	12.0	57.4	15.3
E850-E858	Accidental poisoning by drugs, medicaments and biologicals	E	22.8	8.8	0.00	0.00	0.8	-	0.6	1.0	32.1	11.7	58.3	15.1
		W	22.9	16.1	-	-	-	-	-	-	49.8	29.7	66.1	34.9
		S	4.0	2.7	-	-	-	-	3.0	-	18.3	6.4	2.5	-
		NI	15.7	3.5	-	-	-	-	14.7	-	8.0	-	30.3	-
		UK	21.2	8.5	0.00	0.00	0.7	-	1.3	0.8	31.2	11.7	53.6	14.4
E867-E869	Accidental poisoning by gases and vapours	E	1.5	0.6	-	-	-	1.7	-	-	0.7	-	-	0.3
		W	3.5	3.3	-	-	-	-	-	-	-	-	4.7	-
		S	3.2	0.4	-	-	-	-	6.0	-	9.1	3.2	5.0	-
		NI	2.4	1.2	-	-	-	-	-	-	15.9	-	-	-
		UK	1.8	0.8	-	-	-	1.4	0.5	-	1.9	0.3	0.8	0.4
E880-E888	Accidental falls	E	57.0	85.0	-	-	2.4	1.7	2.7	1.3	5.9	1.4	11.1	3.7
		W	94.5	127.8	-	-	-	-	-	-	22.1	5.9	33.0	5.0
		S	89.8	148.0	-	-	-	-	-	-	9.1	-	30.1	2.5
		NI	73.7	76.6	-	-	-	-	-	-	23.9	8.5	45.4	-
		UK	62.4	92.6	-	-	2.0	1.4	2.3	1.1	8.1	1.7	14.6	3.5
E890-E899	Accidents caused by fire and flames	E	8.4	5.4	-	0.00	11.8	9.1	1.8	0.3	4.6	2.1	7.8	2.4
		W	10.4	7.4	-	-	27.8	-	5.0	5.3	-	-	14.2	5.0
		S	22.9	8.0	0.03	-	24.1	-	18.0	9.5	6.1	-	10.0	5.1
		NI	13.3	10.4	-	-	19.9	-	-	7.7	8.0	8.5	-	-
		UK	10.0	5.9	0.00	0.00	13.9	7.6	3.5	1.6	4.6	2.0	8.3	2.7
E900-E929	Other accidents, including late effects	E	39.7	22.6	0.05	0.02	17.3	10.0	9.4	1.9	24.9	3.4	28.4	4.5
		W	54.9	36.1	-	0.06	13.9	-	35.2	5.3	72.0	-	47.2	-
		S	47.9	21.2	0.14	0.04	8.0	16.9	24.1	-	21.3	3.2	30.1	2.5
		NI	55.6	17.4	-	0.26	59.8	-	14.7	-	39.8	8.5	30.3	-
		UK	41.9	23.1	0.05	0.03	17.8	9.7	12.1	1.9	27.9	3.4	30.1	4.2
E900-E909	Accidents due to natural and environmental factors	E	4.3	3.9	-	-	-	-	0.3	-	0.7	0.3	0.5	0.8
		W	2.8	9.4	-	0.06	-	-	-	-	-	-	-	-
		S	6.4	5.7	-	-	-	-	-	-	3.0	3.2	-	-
		NI	10.9	7.0	-	0.09	-	-	-	-	-	-	7.6	-
		UK	4.7	4.4	-	0.01	-	-	0.3	-	1.1	0.6	0.6	0.7
E910	Accidental drowning and submersion	E	5.7	1.8	0.01	-	8.7	1.7	1.8	0.6	5.2	-	6.0	1.3
		W	13.9	0.7	-	-	13.9	-	10.1	-	22.1	-	9.4	-
		S	4.8	1.5	-	-	-	16.9	3.0	-	-	-	5.0	-
		NI	19.3	3.5	-	-	59.8	-	7.3	-	15.9	8.5	-	-
		UK	6.4	1.8	0.01	-	9.9	2.8	2.5	0.5	6.0	0.3	5.9	1.1
E919,E920	Accidents caused by machinery, and by cutting and piercing instruments	E	1.5	0.2	-	-	-	-	-	-	0.3	-	2.5	-
		W	4.2	-	-	-	-	-	5.0	-	16.6	-	4.7	-
		S	2.8	-	-	-	-	-	3.0	-	-	-	5.0	-
		NI	7.3	-	-	-	-	-	-	-	8.0	-	7.6	-
		UK	1.9	0.1	-	-	-	-	0.5	-	1.4	-	3.0	-
E950-E959	Suicide and self inflicted injury	E	107.2	29.3	-	-	-	-	0.3	0.6	86.5	24.8	182.0	33.5
		W	138.3	33.5	-	-	-	-	-	-	171.6	17.8	235.9	39.9
		S	195.6	61.8	-	-	-	-	3.0	6.3	182.6	66.7	391.4	83.8
		NI	114.8	36.0	-	-	-	-	-	-	182.9	42.3	249.6	61.8
		UK	117.0	32.6	-	-	-	-	0.5	1.1	103.6	28.8	205.0	39.2
E960-E969	Homicide and injury purposely inflicted by other persons	E	7.1	4.0	0.01	0.01	3.2	3.3	1.8	1.6	11.5	4.5	10.1	6.3
		W	3.5	2.7	-	-	-	-	-	-	-	11.9	9.4	10.0
		S	31.0	6.5	0.03	0.04	8.0	-	6.0	3.2	63.9	6.4	42.7	12.7
		NI	33.8	9.3	-	-	-	-	-	-	31.8	25.4	98.3	15.5
		UK	9.7	4.4	0.01	0.01	3.3	2.8	2.0	1.6	16.3	5.7	15.3	7.5
E980-E989	Injury undetermined whether accidentally or purposely inflicted	E	53.9	20.7	0.04	0.03	7.9	5.8	2.1	1.3	63.2	23.8	92.8	23.5
		W	41.0	21.4	-	-	-	-	10.1	-	94.1	29.7	66.1	24.9
		S	66.0	24.7	-	-	-	-	3.0	3.2	70.0	31.8	67.7	12.7
		NI	21.8	7.0	-	-	-	-	7.3	-	31.8	-	30.3	-
		UK	53.6	20.7	0.03	0.03	6.6	4.9	2.8	1.3	65.1	24.0	87.9	21.9

United Kingdom, England, Wales,  
Scotland, Northern Ireland

												SMR		ICD 9 code
35-44		45-54		55-64		65-74		75-84		85 and over		All ages		
M	F	M	F	M	F	M	F	M	F	M	F	M	F	
-	0.6	-	0.9	-	-	-	-	-	-	-	-	108	96	E810-E819 with fourth digit = 3
-	-	-	-	-	-	-	-	-	-	-	-	-	108	
-	2.6	-	-	-	-	-	-	-	-	-	-	-	169	
-	-	-	-	-	-	-	-	-	-	-	-	316	-	
-	0.7	-	0.8	-	-	-	-	-	-	-	-	100	100	
2.5	0.3	2.5	0.3	3.7	-	1.6	-	1.0	-	-	-	89	119	E830-E838
5.0	-	5.1	-	6.5	-	-	-	-	-	-	-	127	-	
-	-	-	-	-	-	-	-	-	-	-	-	73	-	
8.8	-	-	-	13.6	-	-	-	-	-	-	-	157	-	
2.8	0.2	2.3	0.3	3.8	-	1.3	-	0.8	-	-	-	100	100	
43.8	16.5	28.0	16.6	16.1	8.9	9.9	5.9	15.3	9.1	11.8	15.6	103	100	E850-E869
35.1	35.3	25.6	20.3	26.1	25.4	15.8	6.8	29.4	55.3	-	-	122	211	
5.3	7.9	-	-	15.8	-	20.4	8.2	20.8	-	95.0	-	44	28	
61.7	34.2	41.7	30.6	54.5	25.5	-	-	-	-	-	-	123	99	
41.2	17.3	25.8	15.7	17.6	9.4	11.4	6.0	16.2	10.7	16.9	13.3	100	100	
31.6	13.4	20.9	11.7	8.7	6.5	5.2	3.2	7.7	6.7	3.9	8.5	107	103	E850-E858
25.1	30.2	10.2	15.2	-	12.7	15.8	-	14.7	9.2	-	-	113	194	
5.3	7.9	-	-	-	-	-	8.2	-	-	-	-	19	31	
26.5	25.7	20.9	-	13.6	-	-	-	-	-	-	-	74	42	
29.6	14.2	18.6	10.6	7.6	6.0	5.2	3.4	7.3	6.1	3.4	7.3	100	100	
0.8	0.3	3.1	-	3.7	0.4	2.6	1.4	6.7	1.2	3.9	7.1	83	78	E867-E869
-	-	5.1	-	13.0	-	-	-	14.7	46.1	-	-	184	417	
-	-	-	-	3.9	-	-	-	-	-	-	-	178	52	
-	-	-	-	-	12.8	-	-	-	-	-	-	144	172	
0.7	0.2	2.8	-	4.1	0.7	2.2	1.1	6.5	3.6	3.4	6.1	100	100	
18.9	6.0	36.0	13.8	52.6	23.1	115.5	75.0	354.0	360.8	1,622.9	1,745.5	90	91	E880-E888
10.0	10.1	71.7	15.2	84.7	25.4	126.6	109.2	426.3	506.7	3,281.2	2,491.7	142	128	
42.3	7.9	58.3	21.0	79.0	36.1	137.4	97.8	593.9	608.1	3,279.0	4,027.2	155	178	
35.3	-	125.2	10.2	163.6	38.3	110.7	73.4	323.5	392.0	1,468.2	2,183.3	144	106	
21.4	6.2	41.8	14.4	60.1	24.8	118.8	78.9	375.9	391.3	1,824.2	1,966.1	100	100	
6.4	4.6	7.4	3.7	8.3	4.0	12.0	9.5	29.7	13.9	67.0	37.0	84	91	E890-E899
5.0	5.0	5.1	5.1	19.6	-	23.7	6.8	14.7	27.6	-	68.6	102	119	
23.8	2.6	18.4	3.0	55.3	14.4	35.6	24.5	52.1	24.3	-	-	234	138	
-	8.6	20.9	20.4	27.3	-	36.9	14.7	35.9	43.6	326.3	57.5	143	194	
7.9	4.7	8.8	4.1	13.5	4.7	15.3	10.8	30.7	16.3	64.1	37.6	100	100	
30.2	7.4	38.7	10.1	49.3	14.6	59.6	39.7	149.3	104.9	342.7	226.0	94	97	E900-E929
40.1	25.2	41.0	10.2	65.2	44.4	79.1	40.9	132.3	147.4	193.0	365.8	127	147	
37.0	23.6	61.4	6.0	90.8	21.7	81.4	20.4	104.2	66.9	190.1	295.9	117	97	
44.1	8.6	83.5	20.4	54.5	12.8	129.1	29.4	143.8	87.1	652.5	57.5	144	89	
32.4	9.7	42.1	10.0	53.9	16.7	64.2	37.8	144.7	103.7	330.4	236.2	100	100	
1.4	0.3	3.7	0.6	5.8	0.8	8.4	9.0	27.7	21.8	98.5	46.9	93	88	E900-E909
5.0	-	-	-	-	-	7.9	6.8	14.7	73.7	64.3	91.4	56	197	
-	5.2	6.1	-	23.7	3.6	25.4	4.1	20.8	24.3	-	98.6	145	137	
8.8	-	10.4	10.2	13.6	12.8	55.3	-	35.9	43.6	163.1	57.5	278	191	
1.6	0.7	3.9	0.8	7.3	1.3	10.9	8.2	26.7	25.4	91.0	53.3	100	100	
5.8	1.7	5.5	2.1	7.0	1.6	6.8	3.6	9.6	5.5	3.9	4.3	89	102	E910
20.1	-	-	-	39.1	6.3	7.9	-	-	-	-	-	216	36	
5.3	5.2	15.3	-	3.9	-	-	-	10.4	-	-	-	76	85	
8.8	8.6	31.3	10.2	13.6	-	18.4	-	35.9	-	489.4	-	309	209	
6.5	2.1	6.7	2.1	8.6	1.7	6.5	3.0	9.7	4.6	13.5	3.6	100	100	
1.9	-	1.8	-	3.3	-	1.0	0.5	1.0	1.2	3.9	1.4	78	119	E919,E920
-	-	-	-	-	-	7.9	-	-	-	-	-	221	-	
-	-	6.1	-	3.9	-	5.1	-	-	-	-	-	149	-	
8.8	-	-	-	27.3	-	18.4	-	-	-	-	-	405	-	
1.9	-	2.1	-	3.8	-	2.2	0.4	0.8	1.0	3.4	1.2	100	100	
152.9	35.6	140.7	36.8	113.0	39.2	87.8	40.2	122.5	39.4	185.1	54.0	91	90	E950-E959
180.5	35.3	138.3	40.6	176.0	57.0	118.7	54.6	147.0	55.3	193.0	22.9	120	102	
280.4	91.7	227.1	72.0	165.8	54.1	162.8	85.6	125.0	60.8	142.6	32.9	167	188	
132.3	85.5	114.8	40.8	81.8	25.5	110.7	29.4	-	-	163.1	-	104	117	
165.3	42.3	147.2	40.1	120.9	41.5	96.5	44.9	121.3	41.2	182.1	49.7	100	100	
8.0	4.3	8.6	4.6	6.6	1.6	3.7	3.2	3.8	6.1	3.9	2.8	73	92	E960-E969
10.0	-	5.1	-	-	-	-	-	-	-	-	-	37	63	
47.6	5.2	27.6	9.0	15.8	-	10.2	4.1	20.8	12.2	-	-	315	148	
61.7	17.1	41.7	-	-	-	-	14.7	-	-	-	-	348	215	
13.0	4.5	10.8	4.6	6.9	1.3	4.4	3.4	4.9	6.1	3.4	2.4	100	100	
73.5	23.9	63.9	26.7	52.6	20.6	34.5	26.6	44.0	26.7	39.4	21.3	100	100	E980-E989
25.1	30.2	20.5	40.6	58.7	12.7	31.7	27.3	29.4	18.4	128.7	-	78	103	
100.5	31.4	61.4	39.0	86.9	18.0	106.9	48.9	114.6	30.4	47.5	32.9	122	118	
35.3	17.1	20.9	20.4	27.3	12.8	18.4	14.7	-	-	-	-	42	35	
72.9	24.7	61.0	28.3	55.3	19.8	40.2	28.4	48.5	25.9	43.8	20.6	100	100	



To link to Excel version of the table - click on red box surrounding the table title

**Table 8**      **Death rates per 1,000 population:** **England and Wales**  
**age and sex, 1998**

Age	Males	Females	Age	Males	Females	Age	Males	Females
<b>All ages</b>	<b>10.25</b>	<b>10.91</b>						
<b>0-4</b>	<b>1.49</b>	<b>1.18</b>	<b>35-39</b>	<b>1.25</b>	<b>0.75</b>	<b>70-74</b>	<b>41.77</b>	<b>25.51</b>
0	6.35	5.02	35	1.13	0.60	70	34.36	20.33
1	0.50	0.43	36	1.19	0.70	71	37.33	22.72
2	0.31	0.28	37	1.23	0.74	72	41.27	25.74
3	0.24	0.16	38	1.27	0.84	73	45.95	27.95
4	0.18	0.10	39	1.43	0.92	74	51.61	31.06
<b>5-9</b>	<b>0.14</b>	<b>0.11</b>	<b>40-44</b>	<b>1.91</b>	<b>1.26</b>	<b>75-79</b>	<b>66.64</b>	<b>41.38</b>
5	0.17	0.11	40	1.51	1.01	75	55.76	33.32
6	0.13	0.13	41	1.76	1.18	76	61.45	38.17
7	0.15	0.11	42	1.84	1.17	77	67.27	41.67
8	0.12	0.08	43	2.12	1.35	78	72.03	44.73
9	0.11	0.10	44	2.37	1.63	79	84.79	52.59
<b>10-14</b>	<b>0.17</b>	<b>0.12</b>	<b>45-49</b>	<b>3.02</b>	<b>2.00</b>	<b>80-84</b>	<b>108.89</b>	<b>72.58</b>
10	0.14	0.08	45	2.60	1.70	80	91.27	57.67
11	0.15	0.11	46	2.72	1.78	81	97.57	63.77
12	0.15	0.16	47	3.07	1.90	82	107.17	71.76
13	0.18	0.12	48	3.27	2.14	83	121.93	79.85
14	0.23	0.11	49	3.43	2.44	84	132.62	90.32
<b>15-19</b>	<b>0.53</b>	<b>0.26</b>	<b>50-54</b>	<b>4.84</b>	<b>3.23</b>	<b>85-89</b>	<b>166.34</b>	<b>121.34</b>
15	0.28	0.18	50	3.71	2.72	85	144.47	98.61
16	0.41	0.30	51	4.08	2.84	86	157.86	113.01
17	0.43	0.24	52	5.15	3.32	87	169.42	122.75
18	0.72	0.30	53	5.52	3.47	88	185.63	137.90
19	0.81	0.28	54	6.18	4.01	89	201.68	150.07
<b>20-24</b>	<b>0.82</b>	<b>0.32</b>	<b>55-59</b>	<b>8.55</b>	<b>5.24</b>	<b>90 and over</b>	<b>244.34</b>	<b>203.01</b>
20	0.75	0.31	55	6.88	4.34			
21	0.73	0.34	56	7.58	4.53			
22	0.86	0.37	57	8.45	5.29			
23	0.87	0.28	58	9.76	5.80			
24	0.87	0.30	59	10.35	6.39			
<b>25-29</b>	<b>0.90</b>	<b>0.37</b>	<b>60-64</b>	<b>14.33</b>	<b>8.51</b>			
25	0.83	0.40	60	11.38	7.05			
26	0.88	0.31	61	12.85	7.59			
27	0.91	0.36	62	14.28	8.53			
28	0.94	0.38	63	15.79	9.17			
29	0.95	0.40	64	17.88	10.42			
<b>30-34</b>	<b>1.01</b>	<b>0.49</b>	<b>65-69</b>	<b>24.41</b>	<b>14.54</b>			
30	0.99	0.49	65	19.69	11.32			
31	0.91	0.46	66	21.74	12.84			
32	1.08	0.42	67	24.25	14.52			
33	1.05	0.54	68	26.84	15.75			
34	1.00	0.53	69	30.07	18.27			

To link to Excel version of the table - click on red box surrounding the table title

This table spans two pages. Altogether there is one double page spread (two pages).

Table 9 Deaths: age, sex and marital status, 1998

England and Wales

Age	Persons	Males						Females					
		Total	Single	Married	Widowed	Divorced	Not stated	Total	Single	Married	Widowed	Divorced	Not stated
<b>All ages</b>	<b>555,015</b>	<b>264,707</b>	<b>33,390</b>	<b>146,467</b>	<b>66,043</b>	<b>16,721</b>	<b>2,086</b>	<b>290,308</b>	<b>30,922</b>	<b>70,234</b>	<b>174,535</b>	<b>14,110</b>	<b>507</b>
<b>0-4</b>	<b>4,347</b>	<b>2,483</b>	<b>2,483</b>	-	-	-	-	<b>1,864</b>	<b>1,864</b>	-	-	-	-
0	3,625	2,070	2,070	-	-	-	-	1,555	1,555	-	-	-	-
1	305	168	168	-	-	-	-	137	137	-	-	-	-
2	191	103	103	-	-	-	-	88	88	-	-	-	-
3	131	79	79	-	-	-	-	52	52	-	-	-	-
4	95	63	63	-	-	-	-	32	32	-	-	-	-
<b>5-9</b>	<b>417</b>	<b>240</b>	<b>240</b>	-	-	-	-	<b>177</b>	<b>177</b>	-	-	-	-
5	93	57	57	-	-	-	-	36	36	-	-	-	-
6	90	47	47	-	-	-	-	43	43	-	-	-	-
7	91	53	53	-	-	-	-	38	38	-	-	-	-
8	70	44	44	-	-	-	-	26	26	-	-	-	-
9	73	39	39	-	-	-	-	34	34	-	-	-	-
<b>10-14</b>	<b>480</b>	<b>291</b>	<b>291</b>	-	-	-	-	<b>189</b>	<b>189</b>	-	-	-	-
10	77	49	49	-	-	-	-	28	28	-	-	-	-
11	89	53	53	-	-	-	-	36	36	-	-	-	-
12	105	53	53	-	-	-	-	52	52	-	-	-	-
13	100	62	62	-	-	-	-	38	38	-	-	-	-
14	109	74	74	-	-	-	-	35	35	-	-	-	-
<b>15-19</b>	<b>1,282</b>	<b>875</b>	<b>866</b>	<b>3</b>	-	<b>1</b>	<b>5</b>	<b>407</b>	<b>400</b>	<b>6</b>	-	-	<b>1</b>
15	149	92	92	-	-	-	-	57	57	-	-	-	-
16	229	136	136	-	-	-	-	93	93	-	-	-	-
17	219	142	141	-	-	1	-	77	77	-	-	-	-
18	337	242	240	-	-	-	2	95	91	4	-	-	-
19	348	263	257	3	-	-	3	85	82	2	-	-	1
<b>20-24</b>	<b>1,772</b>	<b>1,292</b>	<b>1,221</b>	<b>46</b>	<b>1</b>	<b>6</b>	<b>18</b>	<b>480</b>	<b>419</b>	<b>52</b>	<b>1</b>	<b>1</b>	<b>7</b>
20	315	226	224	-	-	-	2	89	82	5	-	-	2
21	315	218	214	-	-	-	4	97	88	7	1	-	1
22	377	268	255	10	-	-	3	109	97	12	-	-	-
23	371	283	260	18	1	2	2	88	68	15	-	1	4
24	394	297	268	18	-	4	7	97	84	13	-	-	-
<b>25-29</b>	<b>2,496</b>	<b>1,802</b>	<b>1,436</b>	<b>283</b>	<b>4</b>	<b>56</b>	<b>23</b>	<b>694</b>	<b>443</b>	<b>197</b>	<b>4</b>	<b>39</b>	<b>11</b>
25	444	305	270	30	-	4	1	139	101	30	1	4	3
26	455	342	291	39	-	8	4	113	80	25	2	5	1
27	512	373	301	55	1	10	6	139	92	33	-	9	5
28	528	383	282	81	2	15	3	145	93	43	1	8	-
29	557	399	292	78	1	19	9	158	77	66	-	13	2
<b>30-34</b>	<b>3,241</b>	<b>2,211</b>	<b>1,348</b>	<b>608</b>	<b>10</b>	<b>203</b>	<b>42</b>	<b>1,030</b>	<b>457</b>	<b>437</b>	<b>8</b>	<b>114</b>	<b>14</b>
30	615	417	293	93	1	25	5	198	104	77	1	13	3
31	586	395	265	89	-	36	5	191	91	68	2	25	5
32	657	479	289	132	3	45	10	178	77	77	2	19	3
33	707	473	264	150	1	45	13	234	95	104	1	31	3
34	676	447	237	144	5	52	9	229	90	111	2	26	-
<b>35-39</b>	<b>4,051</b>	<b>2,557</b>	<b>1,123</b>	<b>990</b>	<b>16</b>	<b>383</b>	<b>45</b>	<b>1,494</b>	<b>413</b>	<b>796</b>	<b>21</b>	<b>252</b>	<b>12</b>
35	746	494	238	192	1	53	10	252	93	116	2	39	2
36	794	507	232	195	2	68	10	287	86	144	3	51	3
37	803	510	224	199	8	70	9	293	86	163	6	37	1
38	821	501	209	189	4	95	4	320	80	171	5	60	4
39	887	545	220	215	1	97	12	342	68	202	5	65	2
<b>40-44</b>	<b>5,522</b>	<b>3,338</b>	<b>1,039</b>	<b>1,551</b>	<b>46</b>	<b>650</b>	<b>52</b>	<b>2,184</b>	<b>350</b>	<b>1,369</b>	<b>56</b>	<b>404</b>	<b>5</b>
40	930	560	220	223	9	100	8	370	61	223	9	75	2
41	1,048	630	208	293	8	109	12	418	88	242	8	79	1
42	1,037	636	202	276	7	143	8	401	70	253	10	67	1
43	1,156	709	193	358	11	137	10	447	62	289	15	81	-
44	1,351	803	216	401	11	161	14	548	69	362	14	102	1
<b>45-49</b>	<b>8,553</b>	<b>5,150</b>	<b>1,192</b>	<b>2,723</b>	<b>98</b>	<b>1,061</b>	<b>76</b>	<b>3,403</b>	<b>421</b>	<b>2,203</b>	<b>138</b>	<b>626</b>	<b>15</b>
45	1,448	877	224	450	18	167	18	571	77	369	14	108	3
46	1,483	897	218	473	11	181	14	586	78	382	20	104	2
47	1,669	1,032	253	546	13	207	13	637	82	400	25	127	3
48	1,862	1,124	255	594	19	241	15	738	90	485	28	133	2
49	2,091	1,220	242	660	37	265	16	871	94	567	51	154	5
<b>50-54</b>	<b>14,108</b>	<b>8,445</b>	<b>1,525</b>	<b>5,031</b>	<b>216</b>	<b>1,564</b>	<b>109</b>	<b>5,663</b>	<b>520</b>	<b>3,778</b>	<b>369</b>	<b>981</b>	<b>15</b>
50	2,443	1,407	277	803	29	274	24	1,036	104	699	49	181	3
51	2,872	1,696	333	976	48	314	25	1,176	104	814	55	201	2
52	2,720	1,650	297	982	41	313	17	1,070	92	725	74	175	4
53	2,841	1,738	282	1,081	48	306	21	1,103	106	705	88	201	3
54	3,232	1,954	336	1,189	50	357	22	1,278	114	835	103	223	3

Table 9 - continued

England and Wales

Age	Persons	Males						Females					
		Total	Single	Married	Widowed	Divorced	Not stated	Total	Single	Married	Widowed	Divorced	Not stated
<b>55-59</b>	<b>18,661</b>	<b>11,506</b>	<b>1,629</b>	<b>7,393</b>	<b>451</b>	<b>1,894</b>	<b>139</b>	<b>7,155</b>	<b>545</b>	<b>4,621</b>	<b>884</b>	<b>1,091</b>	<b>14</b>
55	3,365	2,057	314	1,295	66	351	31	1,308	111	842	142	208	5
56	3,303	2,060	311	1,309	80	332	28	1,243	97	821	130	194	1
57	3,440	2,103	300	1,336	76	366	25	1,337	99	856	165	216	1
58	4,109	2,563	344	1,679	111	406	23	1,546	121	979	205	239	2
59	4,444	2,723	360	1,774	118	439	32	1,721	117	1,123	242	234	5
<b>60-64</b>	<b>28,318</b>	<b>17,546</b>	<b>2,236</b>	<b>11,827</b>	<b>1,122</b>	<b>2,182</b>	<b>179</b>	<b>10,772</b>	<b>804</b>	<b>6,479</b>	<b>2,158</b>	<b>1,315</b>	<b>16</b>
60	4,828	2,953	387	1,960	134	444	28	1,875	138	1,142	323	267	5
61	5,214	3,247	424	2,160	189	432	42	1,967	160	1,205	340	259	3
62	5,672	3,503	454	2,364	218	427	40	2,169	160	1,343	394	269	3
63	6,035	3,768	445	2,615	263	410	35	2,267	168	1,369	470	257	3
64	6,569	4,075	526	2,728	318	469	34	2,494	178	1,420	631	263	2
<b>65-69</b>	<b>44,513</b>	<b>26,851</b>	<b>3,088</b>	<b>18,219</b>	<b>2,943</b>	<b>2,385</b>	<b>216</b>	<b>17,662</b>	<b>1,308</b>	<b>9,147</b>	<b>5,643</b>	<b>1,533</b>	<b>31</b>
65	7,107	4,405	553	2,954	395	465	38	2,702	192	1,514	722	268	6
66	8,047	4,931	549	3,374	497	466	45	3,116	239	1,701	871	295	10
67	9,063	5,461	623	3,668	624	505	41	3,602	244	1,917	1,124	310	7
68	9,710	5,831	685	3,949	679	471	47	3,879	275	1,957	1,314	329	4
69	10,586	6,223	678	4,274	748	478	45	4,363	358	2,058	1,612	331	4
<b>70-74</b>	<b>68,480</b>	<b>39,248</b>	<b>4,094</b>	<b>25,635</b>	<b>6,829</b>	<b>2,391</b>	<b>299</b>	<b>29,232</b>	<b>2,163</b>	<b>12,054</b>	<b>13,219</b>	<b>1,746</b>	<b>50</b>
70	11,596	6,863	825	4,467	1,000	510	61	4,733	352	2,206	1,818	352	5
71	12,574	7,305	753	4,822	1,189	486	55	5,269	398	2,305	2,197	360	9
72	13,876	7,926	824	5,233	1,349	465	55	5,950	461	2,482	2,653	344	10
73	14,615	8,283	839	5,395	1,498	488	63	6,332	467	2,440	3,080	334	11
74	15,819	8,871	853	5,718	1,793	442	65	6,948	485	2,621	3,471	356	15
<b>75-79</b>	<b>92,105</b>	<b>48,537</b>	<b>3,896</b>	<b>30,035</b>	<b>12,287</b>	<b>2,001</b>	<b>318</b>	<b>43,568</b>	<b>3,351</b>	<b>12,993</b>	<b>25,139</b>	<b>2,016</b>	<b>69</b>
75	16,488	9,119	833	5,777	2,019	419	71	7,369	535	2,585	3,842	393	14
76	18,484	9,931	832	6,217	2,364	456	62	8,553	657	2,775	4,686	425	10
77	20,128	10,578	804	6,608	2,662	444	60	9,550	757	2,921	5,384	470	18
78	21,263	10,977	845	6,643	3,008	417	64	10,286	788	2,831	6,232	424	11
79	15,742	7,932	582	4,790	2,234	265	61	7,810	614	1,881	4,995	304	16
<b>80-84</b>	<b>93,058</b>	<b>41,913</b>	<b>2,833</b>	<b>22,837</b>	<b>14,882</b>	<b>1,109</b>	<b>252</b>	<b>51,145</b>	<b>4,466</b>	<b>9,020</b>	<b>35,915</b>	<b>1,666</b>	<b>78</b>
80	15,310	7,446	572	4,307	2,268	254	45	7,864	630	1,757	5,176	285	16
81	17,321	8,122	536	4,643	2,644	249	50	9,199	807	1,843	6,251	286	12
82	19,112	8,629	600	4,756	3,019	203	51	10,483	892	1,926	7,293	353	19
83	20,564	9,040	606	4,766	3,414	202	52	11,524	1,012	1,850	8,273	375	14
84	20,751	8,676	519	4,365	3,537	201	54	12,075	1,125	1,644	8,922	367	17
<b>85-89</b>	<b>90,061</b>	<b>32,849</b>	<b>1,939</b>	<b>14,355</b>	<b>15,732</b>	<b>619</b>	<b>204</b>	<b>57,212</b>	<b>5,679</b>	<b>5,379</b>	<b>44,690</b>	<b>1,379</b>	<b>85</b>
85	19,788	8,083	495	3,881	3,464	193	50	11,705	1,054	1,392	8,920	326	13
86	19,153	7,313	471	3,417	3,236	137	52	11,840	1,141	1,291	9,092	293	23
87	18,054	6,553	382	2,801	3,198	128	44	11,501	1,118	1,058	9,016	294	15
88	17,106	5,797	323	2,329	3,023	84	38	11,309	1,181	913	8,950	246	19
89	15,960	5,103	268	1,927	2,811	77	20	10,857	1,185	725	8,712	220	15
<b>90-94</b>	<b>53,853</b>	<b>14,330</b>	<b>744</b>	<b>4,381</b>	<b>8,933</b>	<b>184</b>	<b>88</b>	<b>39,523</b>	<b>4,729</b>	<b>1,516</b>	<b>32,483</b>	<b>736</b>	<b>59</b>
90	14,495	4,393	218	1,530	2,559	61	25	10,102	1,144	536	8,184	222	16
91	12,463	3,483	205	1,099	2,114	43	22	8,980	1,065	345	7,370	190	10
92	10,748	2,783	135	821	1,773	36	18	7,965	935	294	6,595	127	14
93	8,900	2,110	121	529	1,423	23	14	6,790	820	215	5,637	110	8
94	7,247	1,561	65	402	1,064	21	9	5,686	765	126	4,697	87	11
<b>95-99</b>	<b>16,960</b>	<b>2,954</b>	<b>159</b>	<b>515</b>	<b>2,231</b>	<b>30</b>	<b>19</b>	<b>14,006</b>	<b>1,845</b>	<b>180</b>	<b>11,773</b>	<b>188</b>	<b>20</b>
95	5,683	1,127	64	232	815	10	6	4,556	582	72	3,833	60	9
96	4,313	771	45	120	591	11	4	3,542	489	44	2,953	51	5
97	3,176	518	26	81	403	5	3	2,658	355	45	2,220	36	2
98	2,236	340	12	53	266	4	5	1,896	249	11	1,612	23	1
99	1,552	198	12	29	156	-	1	1,354	170	8	1,155	18	3
<b>100-104</b>	<b>2,526</b>	<b>281</b>	<b>8</b>	<b>33</b>	<b>236</b>	<b>2</b>	<b>2</b>	<b>2,245</b>	<b>344</b>	<b>7</b>	<b>1,866</b>	<b>23</b>	<b>5</b>
100	1,098	124	5	20	99	-	-	974	151	4	807	10	2
101	647	85	3	7	72	1	2	562	86	1	465	7	3
102	410	40	-	3	37	-	-	370	58	1	308	3	-
103	251	22	-	2	19	1	-	229	32	-	196	1	-
104	120	10	-	1	9	-	-	110	17	1	90	2	-
<b>105-109</b>	<b>208</b>	<b>8</b>	<b>-</b>	<b>2</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>200</b>	<b>34</b>	<b>-</b>	<b>166</b>	<b>-</b>	<b>-</b>
105	92	5	-	1	4	-	-	87	16	-	71	-	-
106	68	3	-	1	2	-	-	65	10	-	55	-	-
107	25	-	-	-	-	-	-	25	5	-	20	-	-
108	13	-	-	-	-	-	-	13	2	-	11	-	-
109	10	-	-	-	-	-	-	10	1	-	9	-	-
<b>110 &amp; over*</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>

\* See section 1.2 for more details of deaths at these ages

**Table 10** Death rates per 1,000 population: age-group, sex and marital status, 1998 England and Wales

Age	Persons	Males					Females				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
<b>All ages</b>	<b>10.59</b>	<b>10.25</b>	<b>2.73</b>	<b>13.09</b>	<b>91.05</b>	<b>10.08</b>	<b>10.91</b>	<b>2.91</b>	<b>6.25</b>	<b>62.15</b>	<b>7.27</b>
Under 16	<b>0.50</b>	0.57	0.57	-	-	-	0.44	0.44	-	-	-
16-19	<b>0.44</b>	0.59	0.59	1.38	-	-	0.28	0.28	0.53	-	-
20-24	<b>0.57</b>	0.82	0.81	0.61	15.87	1.83	0.32	0.32	0.29	3.05	0.10
25-29	<b>0.64</b>	0.90	1.01	0.54	8.20	1.09	0.37	0.42	0.26	2.29	0.43
30-34	<b>0.75</b>	1.01	1.44	0.56	3.92	1.19	0.49	0.73	0.35	1.66	0.52
35-39	<b>1.00</b>	1.25	2.11	0.79	2.82	1.51	0.75	1.22	0.59	2.19	0.90
40-44	<b>1.59</b>	1.91	3.87	1.29	5.53	2.45	1.26	2.05	1.09	3.13	1.42
45-49	<b>2.51</b>	3.02	6.18	2.20	7.40	4.10	2.00	3.64	1.73	4.04	2.24
50-54	<b>4.03</b>	4.84	9.87	3.78	9.40	6.59	3.23	5.99	2.82	5.35	3.81
55-59	<b>6.89</b>	8.55	15.53	7.00	14.43	12.34	5.24	8.57	4.53	7.99	6.46
60-64	<b>11.37</b>	14.33	25.34	12.09	22.78	20.23	8.51	12.96	7.28	11.50	10.37
65-69	<b>19.23</b>	24.41	37.21	21.07	36.89	32.81	14.54	19.20	12.26	18.17	17.01
70-74	<b>32.83</b>	41.77	58.10	36.49	55.90	53.81	25.51	29.25	21.39	29.58	28.24
75-79	<b>51.71</b>	66.64	85.09	59.07	81.67	84.59	41.38	46.96	34.88	44.46	46.26
80-84	<b>85.41</b>	108.89	128.91	97.39	125.46	113.04	72.58	79.15	59.54	75.25	85.59
85 and over	<b>160.93</b>	187.16	136.54	157.93	225.11	142.52	151.47	162.74	80.76	158.98	240.59

To link to Excel version of the table - click on red box surrounding the table title

**Table 11 Deaths: numbers, annual rates† by quarter of registration, and ratios† of these rates to yearly rates, 1841-1998** **England and Wales**

Period	Deaths				Annual rates per 1,000 population, by quarter				Ratios of annual rates by quarter to each yearly rate taken as 100			
	March qtr	June qtr	Sept qtr	Dec qtr	March qtr	June qtr	Sept qtr	Dec qtr	March qtr	June qtr	Sept qtr	Dec qtr
<b>Persons</b>												
1841-1845	495,997	434,392	389,151	426,570	24.6	21.3	18.9	20.7	115	100	88	97
1846-1850	533,488	491,699	503,813	494,286	24.9	22.7	23.0	22.6	107	98	99	97
1851-1855	576,221	516,809	485,571	508,635	25.3	22.5	20.9	21.9	112	99	92	97
1856-1860	581,695	523,787	480,353	537,644	24.1	21.6	19.6	21.9	111	99	90	101
1861-1865	654,717	565,843	531,702	579,695	25.7	22.0	20.5	22.3	114	97	91	99
1866-1870	668,689	590,991	594,586	608,275	24.7	21.6	21.5	22.0	110	96	96	98
1871-1875	704,551	615,116	600,735	652,347	24.4	21.1	20.4	22.1	111	96	93	101
1876-1880	718,225	643,948	594,268	649,121	23.2	20.6	18.8	20.6	111	99	91	99
1881-1885	704,738	640,076	590,767	649,583	21.4	19.3	17.6	19.4	110	99	91	100
1886-1890	754,812	631,699	603,335	669,760	21.7	18.0	17.0	18.9	115	95	90	100
1891-1895	802,717	686,626	617,823	678,225	21.8	18.5	16.5	18.1	117	99	88	97
1896-1900	759,628	651,128	693,852	685,376	19.5	16.6	17.5	17.3	110	94	99	98
1901-1905	736,707	631,769	626,214	676,876	17.9	15.2	14.9	16.1	112	95	93	101
1906-1910	753,528	614,966	559,201	649,513	17.4	14.1	12.7	14.7	118	96	86	100
1911-1915*	757,904	620,129	580,919	639,767	16.9	13.7	12.7	14.0	118	96	89	98
1916-1920*	774,430	600,513	493,916	720,474	17.8	13.7	11.2	16.3	121	93	76	111
1921-1925	718,050	570,221	466,465	581,534	15.1	11.9	9.6	12.0	124	98	79	99
1926-1930	771,946	566,210	469,796	578,769	15.8	11.5	9.5	11.6	131	95	78	96
1931-1935	764,302	580,455	488,064	593,614	15.3	11.6	9.6	11.7	128	96	80	97
1936-1940*	814,672	597,533	517,814	635,754	16.1	11.7	10.1	12.4	128	94	80	98
1941-1945*	771,259	596,554	501,552	627,645	16.4	12.6	10.5	13.1	125	96	80	100
1946-1950*	782,138	582,944	503,110	632,448	14.9	11.0	9.4	11.8	127	94	80	100
1951-1955	845,941	593,131	503,006	629,075	15.5	10.8	9.1	11.3	133	93	78	97
1956-1960	794,361	606,860	535,672	680,070	14.2	10.8	9.4	12.0	123	93	81	103
1961-1965	865,384	639,766	568,077	693,145	15.0	10.9	9.6	11.7	127	93	82	99
1966-1970	841,133	666,156	602,413	727,764	14.1	11.1	9.9	12.0	120	94	84	102
1971-1975	820,577	704,838	640,292	749,055	13.5	11.5	10.3	12.0	114	97	87	102
1976-1980	853,047	710,315	638,642	732,745	13.9	11.5	10.3	11.8	117	97	87	99
1981-1985	825,964	700,391	638,567	732,052	13.5	11.3	10.2	11.7	116	97	88	100
1986-1990	790,218	685,509	638,908	746,688	12.7	10.9	10.1	11.8	112	96	89	104
1991-1995	768,851	670,254	634,116	754,863	12.1	10.5	9.8	11.6	110	95	89	106
1966	173,438	131,661	118,005	140,520	14.7	11.0	9.8	11.7	125	93	83	99
1967	145,323	130,171	118,552	148,470	12.2	10.9	9.8	12.2	108	96	87	108
1968	181,436	131,263	121,119	142,939	15.1	10.9	10.0	11.8	127	92	84	99
1969	168,493	135,237	120,987	154,661	14.1	11.2	9.9	12.6	118	94	83	106
1970	172,443	137,827	123,750	141,174	14.4	11.4	10.1	11.5	122	97	86	97
1971	159,347	137,705	124,663	145,547	13.1	11.2	10.1	11.7	114	97	88	101
1972	170,587	139,063	128,481	153,758	13.9	11.3	10.4	12.4	116	94	87	103
1973	169,799	138,335	126,645	152,699	13.9	11.2	10.2	12.2	117	94	86	103
1974	161,028	142,299	131,522	150,443	13.2	11.5	10.5	12.1	112	97	89	102
1975	159,816	147,436	128,981	146,608	13.1	12.0	10.3	11.8	111	102	87	100
1976	184,775	139,036	125,861	148,844	15.0	11.3	10.1	12.0	124	93	83	99
1977	160,233	144,998	127,418	143,279	13.1	11.8	10.2	11.5	112	101	88	99
1978	171,039	142,168	128,047	144,647	14.0	11.5	10.3	11.6	118	97	87	98
1979	175,423	142,819	128,112	146,665	14.4	11.6	10.3	11.8	120	97	86	99
1980	161,577	141,294	129,204	149,310	13.1	11.5	10.4	12.0	112	98	88	102
1981	160,554	137,620	128,802	150,914	13.1	11.1	10.3	12.1	113	95	88	104
1982	166,454	141,069	126,944	147,394	13.6	11.4	10.2	11.8	116	97	87	101
1983	167,638	138,318	130,008	143,644	13.7	11.2	10.4	11.5	117	96	89	99
1984	158,119	141,994	123,244	143,524	12.8	11.5	9.9	11.5	112	101	87	101
1985	173,199	141,390	129,569	146,576	14.1	11.4	10.3	11.6	119	96	87	98
1986	171,106	141,305	128,951	139,841	13.9	11.3	10.2	11.1	119	98	88	95
1987	153,929	135,412	128,757	148,896	12.4	10.8	10.2	11.8	110	96	90	104
1988	159,438	136,302	129,330	146,338	12.7	10.9	10.2	11.6	112	96	90	102
1989	149,468	136,804	125,615	164,985	12.0	10.9	9.9	12.9	105	95	86	113
1990	156,277	135,686	126,255	146,628	12.5	10.7	9.9	11.5	112	96	89	103
1991	160,367	135,171	125,064	148,877	12.7	10.6	9.7	11.6	114	95	87	104
1992	155,372	131,877	125,781	144,419	12.2	10.3	9.8	11.2	112	95	90	103
1993	151,671	135,401	128,551	162,912	12.0	10.6	9.9	12.6	106	94	88	112
1994	149,795	132,765	127,149	143,229	11.8	10.3	9.8	11.0	110	96	91	103
1995	151,646	135,040	127,571	155,426	11.9	10.5	9.8	11.9	108	95	89	108
1996	155,756	131,380	125,944	147,055	12.0	10.2	9.6	11.2	112	94	89	104
1997	161,928	128,581	124,341	140,431	12.6	9.9	9.4	10.7	118	93	89	100
1998	146,855	133,407	125,847	148,906	11.4	10.2	9.5	11.3	107	96	90	106

\* Civilian mortality only in 1915-1920 and from 3 September 1939 to 31 December 1949 for males, and from 1 June 1941 to 31 December 1949 for females.

† See also section 2.7.

Table 11 (numbers and rates) - continued

England and Wales

Period	Deaths				Annual rates per 1,000 population, by quarter				Ratios of annual rates by quarter to each yearly rate taken as 100			
	March qtr	June qtr	Sept qtr	Dec qtr	March qtr	June qtr	Sept qtr	Dec qtr	March qtr	June qtr	Sept qtr	Dec qtr
<b>Males</b>												
1841-1845	251,545	221,105	197,907	214,611	25.5	22.2	19.7	21.3	115	100	89	96
1846-1850	270,870	250,864	254,301	247,922	25.8	23.7	23.7	23.1	107	98	99	96
1851-1855	262,692	264,776	247,135	256,668	26.3	23.6	21.8	22.6	112	100	92	96
1856-1860	295,154	267,226	244,265	270,620	25.1	22.5	20.4	22.6	111	100	90	100
1861-1865	333,477	291,800	272,393	295,273	26.9	23.3	21.5	23.3	113	98	91	98
1866-1870	344,040	305,658	306,301	310,547	26.0	22.9	22.7	23.1	110	97	96	97
1871-1875	362,667	320,895	312,457	334,044	25.8	22.6	21.8	23.3	110	97	93	100
1876-1880	369,210	337,650	309,467	333,026	24.5	22.2	20.1	21.7	111	100	91	98
1881-1885	360,408	332,268	305,490	332,295	22.5	20.6	18.7	20.4	110	100	91	99
1886-1890	384,271	329,087	312,781	341,716	22.8	19.3	18.2	19.9	114	97	91	99
1891-1895	404,935	356,960	320,820	344,449	22.7	19.9	17.7	19.0	115	101	89	96
1896-1900	385,618	340,133	361,722	350,589	20.4	17.9	18.8	18.3	108	95	100	97
1901-1905	375,094	329,374	328,758	346,705	18.9	16.4	16.2	17.1	110	96	95	100
1906-1910	381,777	319,068	292,925	332,655	18.2	15.1	13.7	15.6	117	97	88	100
1911-1915*	386,694	323,283	305,283	328,911	18.1	15.0	14.0	15.1	116	97	90	97
1916-1920*	398,866	315,190	259,788	366,496	20.7	16.3	13.3	18.7	120	94	77	109
1921-1925	360,729	292,957	241,944	294,235	15.9	12.8	10.4	12.7	123	99	81	98
1926-1930	386,191	292,138	242,908	296,373	16.6	12.4	10.2	12.5	128	96	79	97
1931-1935	383,539	296,438	250,398	301,995	16.1	12.3	10.3	12.4	126	97	81	97
1936-1940*	415,059	308,020	267,858	328,305	17.3	12.7	11.0	13.4	127	94	81	99
1941-1945*	400,768	313,526	261,500	325,563	19.6	15.2	12.5	15.6	125	97	80	99
1946-1950*	401,212	299,240	258,408	325,971	16.2	11.9	10.2	12.9	126	93	80	101
1951-1955	433,953	304,972	260,165	326,657	16.6	11.5	9.7	12.2	133	92	78	98
1956-1960	407,016	310,588	274,689	351,707	15.1	11.5	10.0	12.8	122	93	81	104
1961-1965	439,692	326,588	291,486	357,681	15.7	12.0	10.2	12.5	126	93	82	100
1966-1970	427,011	340,316	308,741	372,559	14.8	11.7	10.5	12.6	119	94	85	102
1971-1975	413,193	356,372	325,228	379,990	13.9	11.9	10.7	12.6	113	97	87	103
1976-1980	425,013	356,591	322,739	370,724	14.3	11.9	10.6	12.2	117	97	87	100
1981-1985	407,434	349,086	320,122	366,649	13.6	11.6	10.5	12.0	114	97	88	101
1986-1990	386,132	338,926	316,098	366,472	12.7	11.1	10.2	11.8	111	97	89	103
1991-1995	370,527	326,420	308,481	364,301	11.9	10.4	9.7	11.5	110	96	89	106
1966	88,311	67,534	60,676	72,101	15.4	11.7	10.4	12.3	124	94	84	99
1967	74,355	66,917	60,767	75,134	12.9	11.5	10.3	12.8	108	97	87	108
1968	90,455	67,214	62,242	73,302	15.5	11.5	10.6	12.4	124	92	85	99
1969	85,948	69,082	61,822	79,709	14.8	11.8	10.4	13.4	117	94	83	106
1970	87,942	69,569	63,234	72,308	15.1	11.8	10.6	12.1	122	95	85	98
1971	80,355	70,008	63,886	74,110	13.6	11.8	10.6	12.3	113	98	88	102
1972	86,454	70,398	65,745	77,792	14.5	11.8	10.9	12.9	116	94	87	103
1973	85,308	69,828	64,004	77,405	14.4	11.6	10.6	12.8	117	94	86	104
1974	80,682	71,963	66,561	76,109	13.6	12.0	11.0	12.5	111	98	90	102
1975	80,394	74,175	65,032	74,573	13.5	12.3	10.7	12.3	111	101	88	101
1976	90,741	69,770	63,737	75,810	15.2	11.6	10.5	12.5	122	93	84	100
1977	80,331	72,504	64,505	72,433	13.5	12.1	10.6	11.9	112	101	88	99
1978	85,684	71,736	64,690	73,395	14.4	12.0	10.7	12.1	117	98	87	99
1979	87,376	71,897	64,530	74,059	14.7	12.0	10.6	12.2	119	97	86	99
1980	80,881	70,684	65,277	75,027	13.5	11.8	10.8	12.4	112	98	89	103
1981	79,749	69,138	64,350	75,785	13.4	11.5	10.6	12.4	112	96	89	104
1982	81,643	70,203	64,034	74,286	13.7	11.7	10.5	12.2	114	97	87	102
1983	82,592	69,355	65,153	72,319	13.9	11.5	10.7	11.9	116	96	89	99
1984	78,545	70,496	61,805	71,511	13.0	11.7	10.1	11.7	112	100	87	100
1985	84,905	69,894	64,780	72,748	14.2	11.5	10.6	11.9	118	96	88	99
1986	83,125	70,377	64,433	69,959	13.8	11.6	10.5	11.4	117	98	89	96
1987	75,920	67,001	63,840	73,416	12.6	11.0	10.3	11.9	110	96	90	104
1988	77,989	67,192	64,014	71,736	12.8	11.0	10.4	11.6	112	96	91	102
1989	73,033	67,483	61,655	79,119	12.0	11.0	9.9	12.7	105	96	87	112
1990	76,065	66,873	62,156	72,242	12.5	10.8	10.0	11.6	111	97	89	103
1991	77,203	66,043	61,415	72,604	12.5	10.6	9.7	11.5	113	96	88	104
1992	75,004	64,443	61,469	70,333	12.0	10.3	9.7	11.1	111	96	90	103
1993	73,218	65,826	62,612	77,731	11.8	10.5	9.9	12.2	106	95	89	110
1994	71,885	64,791	61,486	69,217	11.5	10.3	9.6	10.9	109	97	91	103
1995	73,217	65,317	61,499	74,416	11.7	10.3	9.6	11.6	108	95	89	108
1996	73,710	63,736	61,004	70,232	11.6	10.0	9.5	10.9	110	95	90	104
1997	75,190	62,127	60,087	67,461	11.9	9.7	9.3	10.4	115	94	90	101
1998	69,587	64,139	60,586	70,395	10.9	10.0	9.3	10.8	107	97	91	106

\* Civilian mortality only in 1915-1920 and from 3 September 1939 to 31 December 1949 for males.



Table 11 (numbers and rates) - continued

England and Wales

Period	Deaths				Annual rates per 1,000 population, by quarter				Ratios of annual rates by quarter to each yearly rate taken as 100			
	March qtr	June qtr	Sept qtr	Dec qtr	March qtr	June qtr	Sept qtr	Dec qtr	March qtr	June qtr	Sept qtr	Dec qtr
<b>Females</b>												
1841-1845	244,452	213,287	191,244	211,959	23.7	20.5	18.2	20.2	115	99	88	98
1846-1850	262,618	240,835	249,512	246,364	24.0	21.8	22.4	22.1	106	97	99	98
1851-1855	283,529	252,033	238,436	251,967	24.4	21.5	20.1	21.3	112	99	92	97
1856-1860	286,541	256,561	236,088	267,024	23.2	20.7	18.8	21.3	111	98	90	101
1861-1865	321,240	274,043	259,309	284,422	24.6	21.0	19.4	21.3	114	97	90	99
1866-1870	324,649	285,333	288,285	297,728	23.3	20.3	20.3	21.0	110	96	96	99
1871-1875	341,884	294,221	288,278	318,303	23.0	19.6	19.0	21.0	111	95	92	102
1876-1880	349,015	306,298	284,801	316,095	22.0	19.1	17.6	19.5	112	98	90	100
1881-1885	344,330	307,808	285,277	317,288	20.4	18.0	16.5	18.4	111	98	90	100
1886-1890	370,541	302,612	290,554	328,044	20.7	16.8	15.9	18.0	116	94	89	101
1891-1895	397,782	329,666	297,003	333,776	21.0	17.2	15.4	17.3	119	97	87	98
1896-1900	374,010	310,995	332,130	334,787	18.6	15.3	16.2	16.3	112	92	98	98
1901-1905	361,613	302,395	297,456	330,171	17.0	14.1	13.7	15.2	113	94	91	101
1906-1910	371,751	295,898	266,276	316,858	16.6	13.1	11.7	13.9	120	95	85	101
1911-1915*	371,210	296,846	275,636	310,856	15.9	12.6	11.6	13.0	120	95	87	98
1916-1920*	375,564	285,323	234,128	353,978	15.5	11.7	9.5	14.4	122	92	74	113
1921-1925	357,321	277,264	224,521	287,299	14.4	11.1	8.9	11.4	126	97	78	99
1926-1930	385,755	274,072	226,888	282,396	15.2	10.7	8.8	10.9	134	94	77	96
1931-1935	380,763	284,017	237,666	291,619	14.7	10.9	9.0	11.0	129	95	79	97
1936-1940*	399,613	289,513	249,956	307,449	15.1	10.8	9.3	11.4	130	93	80	98
1941-1945*	370,491	283,028	240,052	302,085	13.9	10.5	8.8	11.1	125	95	80	100
1946-1950*	380,928	283,703	244,705	306,473	13.8	10.2	8.7	10.9	127	94	80	100
1951-1955	411,988	288,159	242,841	302,418	14.6	10.1	8.4	10.5	134	93	77	96
1956-1960	387,345	296,272	260,983	328,363	13.4	10.2	8.9	11.2	123	93	81	102
1961-1965	425,692	313,178	276,591	335,464	14.3	10.4	9.1	11.0	128	93	81	99
1966-1970	414,122	325,840	293,672	355,205	13.5	10.5	9.4	11.3	121	94	84	102
1971-1975	407,384	348,466	315,064	369,065	13.0	11.0	9.9	11.6	114	97	87	102
1976-1980	428,034	353,724	315,903	362,021	13.6	11.2	9.9	11.3	118	97	86	98
1981-1985	418,530	351,305	318,445	365,403	13.3	11.1	9.9	11.4	117	97	87	100
1986-1990	404,086	346,583	322,810	380,216	12.7	10.8	9.9	11.7	113	96	88	104
1991-1995	398,324	343,834	325,635	390,562	12.3	10.5	9.9	11.8	111	95	89	106
1966	85,127	64,127	57,329	68,419	14.0	10.4	9.2	11.0	125	93	82	98
1967	70,968	63,254	57,785	73,331	11.6	10.2	9.3	11.7	108	95	87	109
1968	90,981	64,046	58,877	69,637	14.7	10.4	9.4	11.1	129	91	82	97
1969	82,545	66,155	59,165	74,952	13.4	10.6	9.4	11.9	119	94	83	105
1970	84,501	68,258	60,516	68,866	13.7	10.9	9.6	10.9	121	96	85	96
1971	78,992	67,697	60,777	71,437	12.7	10.8	9.5	11.2	115	98	86	101
1972	84,133	68,665	62,736	75,966	13.4	10.9	9.8	11.9	116	95	85	103
1973	84,491	68,507	62,641	75,293	13.5	10.8	9.8	11.8	118	94	86	103
1974	80,346	70,336	64,961	74,334	12.8	11.1	10.1	11.6	112	97	88	102
1975	79,422	73,261	63,949	72,035	12.7	11.6	10.0	11.3	112	102	88	99
1976	94,034	69,266	62,124	73,034	14.9	11.0	9.7	11.5	127	94	82	98
1977	79,902	72,494	62,913	70,846	12.8	11.5	9.8	11.1	113	102	87	98
1978	85,355	70,432	63,357	71,252	13.6	11.1	9.9	11.1	119	97	87	97
1979	88,047	70,922	63,582	72,606	14.1	11.2	9.9	11.3	121	96	85	97
1980	80,696	70,610	63,927	74,283	12.8	11.2	10.0	11.6	113	98	88	102
1981	80,805	68,482	64,452	75,129	12.9	10.8	10.0	11.7	114	95	88	103
1982	84,811	70,866	62,910	73,108	13.5	11.2	9.8	11.4	118	98	86	99
1983	85,046	68,963	64,855	71,325	13.5	10.9	10.1	11.1	119	96	89	97
1984	79,574	71,498	61,439	72,013	12.5	11.3	9.6	11.2	112	101	86	100
1985	88,294	71,496	64,789	73,828	14.0	11.2	10.0	11.4	120	96	86	98
1986	87,981	70,928	64,518	69,882	13.9	11.1	10.0	10.8	122	97	87	95
1987	78,009	68,411	64,917	75,480	12.3	10.7	10.0	11.6	110	96	90	104
1988	81,449	69,110	65,316	74,602	12.7	10.8	10.1	11.5	113	96	89	102
1989	76,435	69,321	63,960	85,866	12.0	10.7	9.8	13.2	105	94	86	115
1990	80,212	68,813	64,099	74,386	12.5	10.6	9.8	11.4	113	96	88	103
1991	83,164	69,128	63,649	76,273	12.9	10.6	9.7	11.6	115	95	86	104
1992	80,368	67,434	64,312	74,086	12.3	10.4	9.8	11.3	113	95	89	103
1993	78,453	69,575	65,939	85,181	12.1	10.6	10.0	12.9	106	93	87	113
1994	77,910	67,974	65,663	74,012	12.0	10.4	9.9	11.2	111	95	91	103
1995	78,429	69,723	66,072	81,010	12.1	10.6	9.9	12.2	108	95	89	109
1996	82,046	67,644	64,940	76,823	12.5	10.3	9.8	11.6	113	93	89	105
1997	86,738	66,454	64,254	72,970	13.3	10.0	9.6	10.9	121	92	88	100
1998	77,268	69,268	65,261	78,511	11.8	10.4	9.7	11.7	108	96	89	107

\* Civilian mortality only in 1915-1920 and from 1 June 1941 to 31 December 1949 for females.

**Table 12 Deaths: month of occurrence, annualised monthly ratios,\* age-group and sex, 1998**

England and Wales

Age	Sex	1998	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		Total												
<b>Total</b>	<b>M</b>	<b>264,707</b>	<b>24,248</b>	<b>21,759</b>	<b>23,580</b>	<b>22,463</b>	<b>21,410</b>	<b>20,266</b>	<b>20,478</b>	<b>20,071</b>	<b>20,037</b>	<b>21,855</b>	<b>21,610</b>	<b>26,930</b>
	<b>F</b>	<b>290,308</b>	<b>27,054</b>	<b>23,907</b>	<b>26,307</b>	<b>24,842</b>	<b>22,862</b>	<b>21,564</b>	<b>22,058</b>	<b>21,824</b>	<b>21,379</b>	<b>23,506</b>	<b>23,850</b>	<b>31,155</b>
Under 1**	M	2,070	186	177	162	163	178	153	172	159	146	185	170	219
	F	1,555	166	124	114	124	120	96	128	139	114	145	130	155
1-4	M	413	52	38	30	36	37	28	35	40	23	31	37	26
	F	309	27	19	31	30	22	23	31	17	17	24	38	30
5-9	M	240	22	19	23	24	15	23	25	18	16	15	14	26
	F	177	21	12	21	10	17	17	11	10	13	14	16	15
10-14	M	291	25	36	30	26	28	17	28	25	18	19	24	15
	F	189	17	19	19	17	9	16	16	15	8	15	20	18
15-19	M	875	79	65	80	85	77	66	72	62	77	91	58	63
	F	407	33	46	31	33	43	25	30	36	44	31	27	28
20-24	M	1,292	128	114	116	125	118	99	106	109	97	91	84	105
	F	480	47	41	49	35	37	40	35	35	40	43	35	43
25-29	M	1,802	151	160	149	153	156	151	128	167	141	145	159	142
	F	694	63	62	71	63	67	60	55	56	54	54	38	51
30-34	M	2,211	206	161	201	196	213	161	177	184	170	184	173	185
	F	1,030	81	66	93	87	102	84	107	70	78	68	95	99
35-39	M	2,557	218	197	193	207	238	233	214	213	209	226	195	214
	F	1,494	124	118	145	116	109	108	128	128	134	120	122	142
40-44	M	3,338	319	288	272	265	261	297	273	274	262	250	273	304
	F	2,184	191	169	174	166	176	200	173	182	192	179	180	202
45-49	M	5,150	458	382	458	381	438	410	472	432	396	441	430	452
	F	3,403	326	257	284	270	295	294	243	278	301	276	252	327
50-54	M	8,445	782	668	729	721	728	662	671	718	636	667	692	771
	F	5,663	480	402	475	467	490	485	448	445	446	464	482	579
55-59	M	11,506	1,019	926	1,053	942	919	927	917	902	912	942	969	1,078
	F	7,155	636	535	653	604	582	521	599	555	572	569	634	695
60-64	M	17,546	1,565	1,436	1,597	1,462	1,420	1,428	1,371	1,375	1,321	1,450	1,461	1,660
	F	10,772	960	852	920	939	875	849	795	870	818	881	904	1,109
65-69	M	26,851	2,478	2,218	2,421	2,272	2,149	2,069	2,063	2,038	2,136	2,250	2,140	2,617
	F	17,662	1,663	1,522	1,598	1,464	1,392	1,349	1,389	1,330	1,308	1,476	1,426	1,745
70-74	M	39,248	3,703	3,184	3,444	3,425	3,183	2,937	3,072	2,975	2,944	3,290	3,203	3,888
	F	29,232	2,687	2,387	2,708	2,469	2,359	2,206	2,196	2,269	2,204	2,405	2,351	2,991
75-79	M	48,537	4,275	3,814	4,263	4,032	3,927	3,844	3,776	3,674	3,740	4,012	3,948	5,232
	F	43,568	3,911	3,527	3,847	3,762	3,478	3,244	3,410	3,296	3,177	3,522	3,606	4,788
80-84	M	41,913	3,930	3,666	3,811	3,612	3,372	3,105	3,168	3,141	3,090	3,360	3,372	4,286
	F	51,145	4,911	4,265	4,810	4,508	4,018	3,695	3,829	3,820	3,691	4,086	4,112	5,400
85 and over	M	50,422	4,652	4,210	4,548	4,336	3,953	3,656	3,738	3,565	3,703	4,206	4,208	5,647
	F	113,189	10,710	9,484	10,264	9,678	8,671	8,252	8,435	8,273	8,168	9,134	9,382	12,738
<b>Annualised monthly ratios</b>														
<b>All ages</b>														
	<b>M</b>		<b>108</b>	<b>107</b>	<b>105</b>	<b>103</b>	<b>95</b>	<b>93</b>	<b>91</b>	<b>89</b>	<b>92</b>	<b>97</b>	<b>99</b>	<b>120</b>
	<b>F</b>		<b>110</b>	<b>107</b>	<b>107</b>	<b>104</b>	<b>93</b>	<b>90</b>	<b>89</b>	<b>89</b>	<b>90</b>	<b>95</b>	<b>100</b>	<b>126</b>
	<b>P</b>		<b>109</b>	<b>107</b>	<b>106</b>	<b>104</b>	<b>94</b>	<b>92</b>	<b>90</b>	<b>89</b>	<b>91</b>	<b>96</b>	<b>100</b>	<b>123</b>

\* For details of the calculation of these ratios see section 2.7

\*\* Includes neonates

To link to Excel version of the table - click on red box surrounding the table title

**Table 13 Deaths: month of occurrence, numbers and annualised monthly ratios,\* underlying cause and sex, 1998**

ICD 9 code	Underlying cause (ICD chapter)		1998 Numbers										
			Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct
	All causes, all ages	M	264,707	24,248	21,759	23,580	22,463	21,410	20,266	20,478	20,071	20,037	21,855
		F	290,308	27,054	23,907	26,307	24,842	22,862	21,564	22,058	21,824	21,379	23,506
	All causes, ages under 28 days	M	1,386	123	111	103	117	124	102	129	105	100	137
		F	1,032	118	74	83	81	84	55	96	98	73	95
	All causes, 28 days and over	M	263,321	24,125	21,648	23,477	22,346	21,286	20,164	20,349	19,966	19,937	21,718
		F	289,276	26,936	23,833	26,224	24,761	22,778	21,509	21,962	21,726	21,306	23,411
001-139	I Infectious and parasitic diseases	M	1,770	148	148	160	135	142	132	151	118	124	143
		F	1,640	153	126	141	128	139	132	111	113	136	146
140-239	II Neoplasms	M	72,030	6,137	5,585	6,137	5,872	5,875	5,918	5,973	6,013	5,974	6,261
		F	66,276	5,633	4,978	5,713	5,445	5,385	5,378	5,508	5,552	5,502	5,641
240-279	III Endocrine, nutritional and metabolic diseases and immunity disorders	M	3,504	310	304	297	305	242	263	249	286	265	304
		F	4,038	387	352	342	296	327	322	318	325	299	320
280-289	IV Diseases of blood and blood-forming organs	M	879	80	67	80	66	65	71	77	64	73	79
		F	1,058	98	90	95	94	85	64	64	79	88	102
290-319	V Mental disorders	M	3,649	308	284	319	286	294	276	277	282	257	349
		F	6,781	627	595	579	520	558	474	507	511	542	556
320-389	VI Diseases of the nervous system and sense organs	M	4,695	442	390	438	406	346	332	368	354	365	402
		F	5,340	506	383	499	418	430	396	402	405	417	478
390-459	VII Diseases of the circulatory system	M	108,300	10,113	8,936	9,651	9,211	8,856	8,332	8,216	7,987	8,169	8,927
		F	118,377	11,047	9,827	10,753	10,253	9,313	8,890	9,024	8,993	8,700	9,584
460-519	VIII Diseases of the respiratory system	M	40,778	4,080	3,694	4,008	3,764	3,137	2,642	2,781	2,616	2,557	3,019
		F	49,414	5,229	4,656	4,919	4,599	3,569	3,092	3,196	2,926	2,747	3,467
520-579	IX Diseases of the digestive system	M	9,371	812	737	850	756	731	758	788	752	767	757
		F	11,654	1,036	879	1,008	953	995	898	881	949	944	1,009
580-629	X Diseases of the genitourinary system	M	3,037	259	254	260	244	255	243	244	218	220	272
		F	3,909	360	325	354	322	296	300	296	322	302	339
630-676	XI Complications of pregnancy, childbirth and the puerperium	F	43	2	4	2	5	3	6	4	5	4	2
680-709	XII Diseases of the skin and subcutaneous tissue	M	296	27	23	22	25	28	19	27	25	20	26
		F	774	63	41	71	59	65	70	60	61	53	62
710-739	XIII Diseases of the musculoskeletal system and connective tissue	M	901	77	65	64	90	84	81	75	53	55	63
		F	2,665	246	215	243	257	231	201	200	191	175	241
740-759	XIV Congenital anomalies	M	627	67	55	53	43	45	49	51	48	50	55
		F	620	60	50	50	56	42	46	50	48	40	55
760-779	XV Certain conditions originating in the perinatal period	M	82	6	6	5	6	10	5	5	13	2	7
		F	42	4	1	3	3	5	1	2	6	5	5
780-799	XVI Symptoms, signs and ill-defined conditions	M	3,064	274	248	247	242	261	230	233	242	244	254
		F	10,782	944	811	889	877	841	793	860	814	891	946
E800-E999	EXVII External causes of injury and poisoning	M	10,338	985	852	886	895	915	813	834	895	795	800
		F	5,863	541	500	563	476	494	446	479	426	461	458

\* See section 2.7 for more details.

## England and Wales

Nov	Dec	1998 Annualised Ratios												ICD 9 code
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
<b>21,610</b> <b>23,850</b>	<b>26,930</b> <b>31,155</b>	<b>108</b> <b>110</b>	<b>107</b> <b>107</b>	<b>105</b> <b>107</b>	<b>103</b> <b>104</b>	<b>95</b> <b>93</b>	<b>93</b> <b>90</b>	<b>91</b> <b>89</b>	<b>89</b> <b>89</b>	<b>92</b> <b>90</b>	<b>97</b> <b>95</b>	<b>99</b> <b>100</b>	<b>120</b> <b>126</b>	<b>M</b> <b>F</b>
<b>113</b> <b>83</b>	<b>122</b> <b>92</b>	<b>104</b> <b>135</b>	<b>104</b> <b>93</b>	<b>87</b> <b>95</b>	<b>103</b> <b>95</b>	<b>105</b> <b>96</b>	<b>90</b> <b>65</b>	<b>110</b> <b>110</b>	<b>89</b> <b>112</b>	<b>88</b> <b>86</b>	<b>116</b> <b>108</b>	<b>99</b> <b>98</b>	<b>104</b> <b>105</b>	<b>M</b> <b>F</b>
<b>21,497</b> <b>23,767</b>	<b>26,808</b> <b>31,063</b>	<b>108</b> <b>110</b>	<b>107</b> <b>107</b>	<b>105</b> <b>107</b>	<b>103</b> <b>104</b>	<b>95</b> <b>93</b>	<b>93</b> <b>90</b>	<b>91</b> <b>89</b>	<b>89</b> <b>88</b>	<b>92</b> <b>90</b>	<b>97</b> <b>95</b>	<b>99</b> <b>100</b>	<b>120</b> <b>126</b>	<b>M</b> <b>F</b>
168 126	201 189	98 110	109 100	106 101	93 95	94 100	91 98	100 80	78 81	85 101	95 105	115 93	134 136	M 001-139 F
5,992 5,483	6,293 6,058	100 100	101 98	100 101	99 100	96 96	100 99	98 98	98 99	101 101	102 100	101 101	103 108	M 140-239 F
301 339	378 411	104 113	113 114	100 100	106 89	81 95	91 97	84 93	96 95	92 90	102 93	105 102	127 120	M 240-279 F
64 95	93 104	107 109	99 111	107 106	91 108	87 95	98 74	103 71	86 88	101 101	106 114	89 109	125 116	M 280-289 F
302 599	415 713	99 109	101 114	103 101	95 93	95 97	92 85	89 88	91 89	86 97	113 97	101 107	134 124	M 290-319 F
369 470	483 536	111 112	108 93	110 110	105 95	87 95	86 90	92 89	89 89	95 95	101 105	96 107	121 118	M 320-389 F
8,860 9,712	11,042 12,281	110 110	108 108	105 107	103 105	96 93	94 91	89 90	87 89	92 89	97 95	100 100	120 122	M 390-459 F
3,137 3,835	5,343 7,179	118 125	118 123	116 117	112 113	91 85	79 76	80 76	76 70	76 68	87 83	94 94	154 171	M 460-519 F
774 1,003	889 1,099	102 105	103 98	107 102	98 99	92 101	98 94	99 89	94 96	100 99	95 102	100 105	112 111	M 520-579 F
267 334	301 359	100 108	109 108	101 107	98 100	99 89	97 93	95 89	85 97	88 94	105 102	107 104	117 108	M 580-629 F
4	2	55	121	55	141	82	170	110	137	113	55	113	55	F 630-676
26 91	28 78	107 96	101 69	88 108	103 93	111 99	78 110	107 91	99 93	82 83	103 94	107 143	111 119	M 680-709 F
98 203	96 262	101 109	94 105	84 107	122 117	110 102	109 92	98 88	69 84	74 80	82 106	132 93	125 116	M 710-739 F
49 56	62 67	126 114	114 105	100 95	83 110	85 80	95 90	96 95	90 91	97 78	103 104	95 110	116 127	M 740-759 F
5 4	12 3	86 112	95 31	72 84	89 87	144 140	74 29	72 56	187 168	30 145	101 140	74 116	172 84	M 760-779 F
262 935	327 1,181	105 103	106 98	95 97	96 99	100 92	91 89	90 94	93 89	97 101	98 103	104 106	126 129	M 780-799 F
823 478	845 541	112 109	107 111	101 113	105 99	104 99	96 93	95 96	102 86	94 96	91 92	97 99	96 109	M E800-E999 F

To link to Excel version of the table - click on red box surrounding the table title

This table spans two pages. Altogether there is one double page spread (two pages).

**Table 14 Death rates per 1,000 population:  
sex and age-group, by area of usual residence, 1998**

**England and Wales, England, Wales,  
government office regions, metropolitan and  
non-metropolitan counties, regional offices**

Area of usual residence	Death rates per thousand population											
	All ages	Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over
<b>Males</b>												
<b>England and Wales</b>	<b>10.3</b>	<b>6.4</b>	<b>0.3</b>	<b>0.2</b>	<b>0.7</b>	<b>1.0</b>	<b>1.6</b>	<b>3.9</b>	<b>11.3</b>	<b>32.4</b>	<b>81.2</b>	<b>187.2</b>
<b>England</b>	<b>10.2</b>	<b>6.3</b>	<b>0.3</b>	<b>0.1</b>	<b>0.6</b>	<b>0.9</b>	<b>1.5</b>	<b>3.9</b>	<b>11.2</b>	<b>32.1</b>	<b>81.1</b>	<b>187.3</b>
<b>Wales</b>	<b>11.2</b>	<b>5.9</b>	<b>0.2</b>	<b>0.1</b>	<b>0.8</b>	<b>1.0</b>	<b>1.6</b>	<b>4.0</b>	<b>11.8</b>	<b>34.7</b>	<b>81.2</b>	<b>182.5</b>
<b>Government office regions</b>												
North East	<b>11.5</b>	6.5	0.3	0.1	0.7	0.9	1.8	4.5	14.2	39.9	92.0	203.0
North West	<b>11.0</b>	6.9	0.3	0.1	0.7	1.2	1.9	4.6	13.2	36.9	88.3	195.7
Yorkshire and The Humber	<b>10.6</b>	7.2	0.4	0.2	0.8	1.1	1.5	4.2	11.8	34.4	86.8	189.0
East Midlands	<b>10.5</b>	6.1	0.3	0.2	0.7	1.0	1.4	3.7	11.2	32.9	81.8	199.4
West Midlands	<b>10.3</b>	7.2	0.3	0.1	0.6	0.8	1.6	4.0	11.7	33.4	85.2	184.8
East	<b>9.8</b>	6.1	0.3	0.1	0.6	0.8	1.3	3.2	9.4	27.8	79.1	189.6
London	<b>8.5</b>	6.6	0.3	0.1	0.5	1.0	1.7	4.4	11.9	32.1	78.5	171.0
South East	<b>9.7</b>	5.1	0.3	0.1	0.7	0.8	1.3	3.3	9.5	28.5	75.0	186.5
South West	<b>10.9</b>	5.5	0.2	0.1	0.6	0.8	1.4	3.5	9.6	28.1	73.1	182.5
<b>Metropolitan counties</b>	<b>10.8</b>	<b>7.6</b>	<b>0.3</b>	<b>0.2</b>	<b>0.7</b>	<b>1.0</b>	<b>1.8</b>	<b>4.8</b>	<b>13.6</b>	<b>37.7</b>	<b>90.0</b>	<b>191.4</b>
Greater Manchester	<b>10.9</b>	6.8	0.3	0.2	0.7	1.2	2.1	5.2	13.9	39.3	94.0	197.9
Merseyside	<b>11.5</b>	7.9	0.2	0.1	0.6	1.1	2.0	5.0	15.0	39.3	88.2	203.8
South Yorkshire	<b>11.1</b>	7.3	0.2	0.2	0.8	1.0	1.4	4.4	13.3	35.8	91.0	202.7
Tyne and Wear	<b>12.0</b>	5.5	0.4	0.1	0.8	0.8	1.8	4.8	14.9	42.7	92.7	204.1
West Midlands	<b>10.5</b>	8.8	0.3	0.1	0.6	0.9	1.8	4.6	13.5	35.8	87.2	176.6
West Yorkshire	<b>10.1</b>	7.9	0.6	0.2	0.8	1.1	1.4	4.5	11.9	35.4	87.8	180.7
<b>Non-metropolitan counties</b>	<b>7.0</b>	<b>3.6</b>	<b>0.2</b>	<b>0.1</b>	<b>0.4</b>	<b>0.6</b>	<b>0.9</b>	<b>2.3</b>	<b>6.7</b>	<b>20.1</b>	<b>53.5</b>	<b>132.2</b>
<b>Regional offices</b>												
Northern and Yorkshire	<b>10.9</b>	7.0	0.4	0.1	0.7	1.0	1.6	4.3	12.4	36.4	88.0	190.8
Trent	<b>10.8</b>	6.3	0.3	0.2	0.8	1.0	1.5	4.0	11.9	33.7	83.9	197.3
Anglia and Oxford	<b>9.2</b>	5.8	0.3	0.2	0.7	0.8	1.3	3.1	9.5	28.4	79.0	190.3
North Thames	<b>8.8</b>	6.4	0.3	0.1	0.5	0.9	1.5	3.9	11.0	30.2	78.7	176.5
South Thames	<b>9.8</b>	5.8	0.2	0.1	0.6	1.0	1.5	3.7	10.1	29.5	75.5	182.0
South and West	<b>10.7</b>	5.2	0.2	0.1	0.6	0.8	1.4	3.5	9.7	28.5	73.9	185.5
West Midlands	<b>10.3</b>	7.2	0.3	0.1	0.6	0.8	1.6	4.0	11.7	33.4	85.2	184.8
North West	<b>11.0</b>	7.0	0.3	0.1	0.7	1.2	1.9	4.7	13.3	37.1	88.4	196.4

Table 14 - *continued*England and Wales, England, Wales,  
government office regions, metropolitan and  
non-metropolitan counties, regional offices

Area of usual residence	Death rates per thousand population											
	All ages	Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over
<b>Females</b>												
<b>England and Wales</b>	<b>10.9</b>	<b>5.0</b>	<b>0.2</b>	<b>0.1</b>	<b>0.3</b>	<b>0.4</b>	<b>1.0</b>	<b>2.6</b>	<b>6.8</b>	<b>19.9</b>	<b>53.9</b>	<b>151.5</b>
<b>England</b>	<b>10.8</b>	<b>5.0</b>	<b>0.2</b>	<b>0.1</b>	<b>0.3</b>	<b>0.4</b>	<b>1.0</b>	<b>2.6</b>	<b>6.7</b>	<b>19.7</b>	<b>53.8</b>	<b>151.4</b>
<b>Wales</b>	<b>11.9</b>	<b>5.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.4</b>	<b>1.0</b>	<b>2.7</b>	<b>7.5</b>	<b>21.3</b>	<b>54.7</b>	<b>150.4</b>
<b>Government office regions</b>												
North East	<b>12.0</b>	3.5	0.3	0.1	0.3	0.5	1.2	3.0	8.4	24.0	63.0	164.0
North West	<b>12.0</b>	5.7	0.3	0.1	0.3	0.5	1.1	3.0	8.3	23.3	60.2	160.0
Yorkshire and The Humber	<b>11.4</b>	6.6	0.3	0.1	0.3	0.4	1.1	2.5	7.2	21.4	57.7	153.6
East Midlands	<b>10.8</b>	5.3	0.2	0.1	0.3	0.4	1.0	2.5	6.6	20.2	54.8	155.5
West Midlands	<b>10.7</b>	5.7	0.2	0.1	0.3	0.4	1.0	2.7	6.7	20.0	54.5	155.6
East	<b>10.4</b>	3.8	0.2	0.1	0.3	0.4	0.9	2.6	5.9	17.7	51.2	153.4
London	<b>8.8</b>	5.5	0.3	0.1	0.3	0.5	0.9	2.6	6.8	20.0	51.6	133.5
South East	<b>10.8</b>	3.7	0.2	0.1	0.3	0.3	0.8	2.4	5.9	16.9	50.1	151.7
South West	<b>11.7</b>	4.1	0.2	0.1	0.3	0.4	0.9	2.4	5.5	16.5	47.2	146.5
<b>Metropolitan counties</b>	<b>11.4</b>	<b>6.2</b>	<b>0.3</b>	<b>0.1</b>	<b>0.3</b>	<b>0.4</b>	<b>1.1</b>	<b>2.9</b>	<b>8.0</b>	<b>23.1</b>	<b>59.2</b>	<b>154.9</b>
Greater Manchester	<b>11.7</b>	5.3	0.4	0.1	0.3	0.5	1.0	3.3	8.5	24.4	61.3	161.7
Merseyside	<b>12.4</b>	7.5	0.2	0.1	0.3	0.5	1.3	3.1	9.4	24.7	62.0	153.2
South Yorkshire	<b>11.8</b>	6.5	0.3	0.2	0.2	0.4	1.0	2.5	7.7	23.9	58.3	158.4
Tyne and Wear	<b>12.5</b>	4.3	0.4	0.1	0.3	0.4	1.2	2.9	8.8	25.0	63.6	162.2
West Midlands	<b>10.5</b>	6.1	0.3	0.2	0.2	0.4	1.1	2.9	7.1	21.2	54.4	147.7
West Yorkshire	<b>10.9</b>	7.4	0.2	0.1	0.3	0.3	1.1	2.5	7.3	21.3	59.2	150.6
<b>Non-metropolitan counties</b>	<b>7.5</b>	<b>2.6</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>	<b>1.7</b>	<b>4.2</b>	<b>12.3</b>	<b>35.1</b>	<b>106.0</b>
<b>Regional offices</b>												
Northern and Yorkshire	<b>11.7</b>	5.2	0.3	0.1	0.3	0.4	1.1	2.7	7.5	22.1	59.8	157.5
Trent	<b>11.2</b>	5.8	0.2	0.1	0.3	0.4	1.0	2.5	7.0	21.1	56.0	155.2
Anglia and Oxford	<b>9.7</b>	4.2	0.3	0.1	0.3	0.3	0.9	2.5	6.0	18.0	51.7	153.5
North Thames	<b>9.2</b>	4.8	0.2	0.1	0.3	0.4	0.9	2.6	6.2	18.9	51.6	140.2
South Thames	<b>10.8</b>	4.3	0.2	0.1	0.3	0.4	0.9	2.5	6.4	17.8	50.2	145.5
South and West	<b>11.4</b>	4.2	0.2	0.1	0.3	0.4	0.9	2.4	5.6	16.6	47.8	148.7
West Midlands	<b>10.7</b>	5.7	0.2	0.1	0.3	0.4	1.0	2.7	6.7	20.0	54.5	155.6
North West	<b>12.0</b>	5.7	0.3	0.1	0.3	0.5	1.1	3.0	8.3	23.5	60.1	160.2



**Table 15 Standardised Mortality Ratios†: area of usual residence, underlying cause and sex, 1998****England, Wales, government office regions, metropolitan and non-metropolitan counties, regional offices**

ICD 9 code	Underlying cause*		England	Wales	Government office regions								
					North East	North West	Yorkshire and The Humber	East Midlands	West Midlands	East	London	South East	South West
	<b>All causes</b>	<b>M</b>	<b>100</b>	<b>102</b>	<b>117</b>	<b>111</b>	<b>105</b>	<b>101</b>	<b>103</b>	<b>92</b>	<b>98</b>	<b>91</b>	<b>90</b>
		<b>F</b>	<b>100</b>	<b>102</b>	<b>115</b>	<b>111</b>	<b>105</b>	<b>101</b>	<b>102</b>	<b>96</b>	<b>94</b>	<b>94</b>	<b>90</b>
	<b>All causes, ages 28 days and over</b>	<b>M</b>	<b>100</b>	<b>102</b>	<b>117</b>	<b>111</b>	<b>105</b>	<b>101</b>	<b>103</b>	<b>92</b>	<b>98</b>	<b>91</b>	<b>90</b>
		<b>F</b>	<b>100</b>	<b>102</b>	<b>115</b>	<b>111</b>	<b>104</b>	<b>101</b>	<b>102</b>	<b>96</b>	<b>94</b>	<b>94</b>	<b>90</b>
<b>001-139</b>	<b>I Infectious and parasitic diseases</b>	<b>M</b>	<b>100</b>	<b>89</b>	<b>84</b>	<b>97</b>	<b>91</b>	<b>104</b>	<b>104</b>	<b>94</b>	<b>146</b>	<b>86</b>	<b>81</b>
		<b>F</b>	<b>98</b>	<b>123</b>	<b>92</b>	<b>95</b>	<b>86</b>	<b>108</b>	<b>93</b>	<b>97</b>	<b>133</b>	<b>82</b>	<b>93</b>
001-009	Intestinal infectious diseases	M	98	114	187	103	110	99	31	80	135	80	111
		F	100	99	110	67	90	103	82	82	156	87	130
010-018	Tuberculosis	M	99	95	86	77	99	121	124	43	177	85	81
		F	99	117	111	107	121	149	110	53	166	60	44
010-012	Pulmonary and other respiratory tuberculosis	M	99	98	91	77	102	138	121	41	175	84	73
		F	97	148	104	98	106	98	117	75	155	81	47
033	Whooping cough	M	106	-	-	-	-	-	-	493	-	333	-
		F	106	-	-	-	-	-	-	-	305	334	-
034,035	Streptococcal sore throat, scarlatina and erysipelas	M	106	-	-	259	-	-	328	-	-	209	-
		F	106	-	-	255	351	-	-	319	-	-	-
036	Meningococcal infection	M	101	77	175	122	77	149	103	168	80	56	48
		F	99	91	105	111	117	77	76	127	75	79	139
038	Septicaemia	M	99	115	82	100	94	121	111	110	125	85	62
		F	96	151	91	100	89	111	95	104	113	85	80
042-044	HIV infection	M	104	15	80	72	65	49	69	68	285	76	86
		F	96	-	-	68	124	112	118	86	180	77	32
055	Measles	M	106	-	-	-	-	-	982	-	-	-	-
		F	106	-	-	-	-	1260	-	-	-	-	-
084	Malaria	M	106	-	673	126	-	207	-	163	-	-	179
		F	106	-	-	-	-	647	-	-	421	-	-
137	Late effects of tuberculosis	M	103	50	127	48	192	74	152	57	81	96	136
		F	99	117	73	82	37	-	72	105	189	158	97
<b>140-239</b>	<b>II Neoplasms</b>	<b>M</b>	<b>100</b>	<b>101</b>	<b>122</b>	<b>109</b>	<b>104</b>	<b>98</b>	<b>103</b>	<b>91</b>	<b>99</b>	<b>93</b>	<b>91</b>
		<b>F</b>	<b>99</b>	<b>105</b>	<b>113</b>	<b>107</b>	<b>103</b>	<b>97</b>	<b>98</b>	<b>97</b>	<b>100</b>	<b>95</b>	<b>92</b>
140-208	Malignant neoplasms	M	100	101	122	108	104	98	103	91	99	93	91
		F	99	105	113	107	103	96	98	97	100	95	92
140-149	Malignant neoplasm of lip, oral cavity and pharynx	M	99	119	149	122	100	94	100	70	108	95	69
		F	99	110	127	126	110	76	91	91	116	82	85
150-159	Malignant neoplasm of digestive organs and peritoneum	M	99	109	121	109	102	99	109	90	96	92	90
		F	99	108	111	106	99	101	100	97	97	95	95
150	Malignant neoplasm of oesophagus	M	100	103	116	122	98	101	104	93	89	90	94
		F	99	112	104	113	86	106	112	96	81	92	106
151	Malignant neoplasm of stomach	M	99	122	128	111	111	108	117	80	91	80	89
		F	99	121	128	126	128	92	98	77	97	77	85
152-153	Malignant neoplasm of small intestine and of colon	M	99	119	102	111	92	91	104	96	93	103	91
		F	99	109	100	101	92	93	95	105	91	105	107
153	Malignant neoplasm of colon	M	99	119	102	112	91	91	104	95	94	103	90
		F	99	108	100	100	91	93	95	106	92	105	107
154	Malignant neoplasm of rectum, rectosigmoid junction and anus	M	99	111	157	106	119	100	124	83	78	83	84
		F	101	90	113	108	116	108	102	98	98	88	90
155-156	Malignant neoplasm of liver, gallbladder and bile ducts	M	99	107	139	99	105	94	94	90	122	87	84
		F	99	110	131	102	90	106	106	100	103	100	73
157	Malignant neoplasm of pancreas	M	100	89	106	97	102	97	105	93	115	100	91
		F	99	107	112	95	98	105	98	94	108	99	94

\* The figures for individual cause categories exclude deaths under 28 days.

† The standard rates used are for each cause for England and Wales; see section 2.7.

Table 15 - continued

ICD 9 code	Underlying cause*		England	Wales	Government office regions								
					North East	North West	Yorkshire and The Humber	East Midlands	West Midlands	East	London	South East	South West
161	Malignant neoplasm of larynx	M F	98 101	125 83	213 166	108 120	106 144	78 96	94 101	84 55	112 100	82 89	68 77
162	Malignant neoplasm of trachea, bronchus and lung	M F	100 100	95 101	143 156	119 129	114 121	95 84	101 89	87 80	104 109	84 83	82 73
172-173	Malignant neoplasm of skin	M F	100 100	101 88	67 88	83 85	84 85	91 97	97 93	110 113	106 114	107 103	129 117
172	Malignant melanoma of skin	M F	100 101	97 76	71 83	78 75	81 87	90 98	101 95	111 111	103 119	110 104	136 130
173	Other malignant neoplasm of skin	M F	99 98	116 139	56 113	101 132	92 74	91 92	84 86	109 123	117 91	97 100	111 64
174	Malignant neoplasm of female breast	F	100	105	97	96	88	99	101	112	96	104	99
179-189	Malignant neoplasm of genitourinary organs	M F	100 99	99 107	103 94	100 106	98 107	101 100	103 102	96 99	94 92	103 96	102 97
179,182	Malignant neoplasm of uterus, other and unspecified	F	99	111	86	92	99	110	121	87	99	102	95
180	Malignant neoplasm of cervix uteri	F	99	113	102	129	124	74	99	76	97	83	104
183	Malignant neoplasm of ovary and other uterine adnexa	F	99	112	82	100	96	102	103	109	88	101	103
185	Malignant neoplasm of prostate	M	100	96	97	98	93	99	104	98	92	107	107
186	Malignant neoplasm of testis	M	100	96	163	103	166	33	132	91	48	96	113
188	Malignant neoplasm of bladder	M F	100 101	101 89	102 112	106 118	112 122	106 89	101 97	96 104	98 94	95 91	88 86
189	Malignant neoplasm of kidney and other and unspecified urinary organs	M F	99 100	107 103	127 112	103 106	95 113	105 114	102 94	89 90	98 93	96 94	96 93
191-192	Malignant neoplasm of brain and other and unspecified parts of the nervous system	M F	99 100	109 100	101 128	86 99	111 89	102 90	80 84	103 101	96 92	105 117	110 101
200-208	Malignant neoplasm of lymphatic and haematopoietic tissue	M F	99 100	102 97	107 97	90 88	96 101	102 94	101 106	95 100	106 106	100 104	97 98
201	Hodgkin's disease	M F	90 104	225 43	173 17	96 58	95 114	56 149	77 185	75 99	121 108	89 86	58 106
202	Other malignant neoplasm of lymphoid and histiocytic tissue	M F	100 100	95 99	92 96	87 89	89 103	92 92	101 97	100 99	109 113	110 102	108 101
203	Multiple myeloma and immunoproliferative neoplasms	M F	101 100	84 96	120 88	100 89	115 110	98 90	108 107	86 114	109 101	89 100	97 97
204-208	Leukaemia	M F	98 99	111 101	109 109	89 90	95 95	122 94	100 109	96 91	99 102	98 108	90 95
205	Myeloid leukaemia	M F	98 99	115 102	103 113	87 86	84 104	109 93	106 116	103 85	91 100	101 100	99 102
210-239	Benign, in situ, other and unspecified neoplasms	M F	99 100	103 98	95 105	125 107	107 90	91 112	106 110	98 106	81 90	96 90	89 96
<b>240-279</b>	<b>III Endocrine, nutritional and metabolic diseases and immunity disorders</b>	<b>M F</b>	<b>98 99</b>	<b>120 115</b>	<b>95 102</b>	<b>101 108</b>	<b>97 102</b>	<b>104 120</b>	<b>110 114</b>	<b>100 98</b>	<b>100 95</b>	<b>88 83</b>	<b>93 82</b>
250	Diabetes mellitus	M F	98 99	120 116	91 94	104 107	99 103	101 120	110 115	98 101	104 91	85 84	96 83

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		England	Wales	Government office regions								
					North East	North West	Yorkshire and The Humber	East Midlands	West Midlands	East	London	South East	South West
260-269	Nutritional deficiencies	M	91	239	157	-	37	44	144	96	84	21	306
		F	101	78	-	72	-	394	122	23	59	72	206
264-269	Avitaminosis	M	77	474	212	-	-	-	191	169	148	-	80
		F	96	169	-	154	-	129	207	-	164	124	-
279	Disorders involving the immune mechanism	M	91	249	-	35	142	115	-	177	159	89	49
		F	84	354	105	-	164	133	102	51	85	103	52
<b>280-289</b>	<b>IV Diseases of blood and blood-forming organs</b>	<b>M</b>	<b>100</b>	<b>92</b>	<b>118</b>	<b>89</b>	<b>84</b>	<b>91</b>	<b>100</b>	<b>107</b>	<b>107</b>	<b>104</b>	<b>101</b>
		<b>F</b>	<b>100</b>	<b>99</b>	<b>96</b>	<b>95</b>	<b>91</b>	<b>121</b>	<b>111</b>	<b>98</b>	<b>93</b>	<b>97</b>	<b>101</b>
280-285	Anaemias	M	99	92	109	99	105	56	137	78	149	94	65
		F	100	92	79	123	90	119	127	97	84	98	75
<b>290-319</b>	<b>V Mental disorders</b>	<b>M</b>	<b>101</b>	<b>82</b>	<b>118</b>	<b>91</b>	<b>128</b>	<b>99</b>	<b>101</b>	<b>107</b>	<b>83</b>	<b>94</b>	<b>108</b>
		<b>F</b>	<b>101</b>	<b>88</b>	<b>130</b>	<b>92</b>	<b>102</b>	<b>107</b>	<b>101</b>	<b>112</b>	<b>76</b>	<b>103</b>	<b>105</b>
290	Senile and presenile organic psychotic conditions	M	101	88	124	91	110	119	101	116	67	97	106
		F	101	88	121	92	100	117	97	112	70	107	108
<b>320-389</b>	<b>VI Diseases of the nervous system and sense organs</b>	<b>M</b>	<b>99</b>	<b>105</b>	<b>97</b>	<b>103</b>	<b>104</b>	<b>101</b>	<b>105</b>	<b>99</b>	<b>87</b>	<b>98</b>	<b>102</b>
		<b>F</b>	<b>99</b>	<b>112</b>	<b>114</b>	<b>100</b>	<b>110</b>	<b>104</b>	<b>101</b>	<b>101</b>	<b>79</b>	<b>101</b>	<b>96</b>
320-322	Meningitis	M	99	91	160	100	54	151	110	75	121	79	81
		F	97	154	101	98	123	88	69	78	130	64	129
331.0	Alzheimer's disease	M	99	119	152	77	120	99	124	89	73	103	92
		F	97	144	165	93	115	94	116	98	63	99	78
332	Parkinson's disease	M	100	96	81	106	100	106	105	110	81	102	101
		F	100	100	76	95	92	122	102	99	86	110	106
335.2	Motor neurone disease	M	99	104	87	89	94	117	103	92	92	99	120
		F	102	75	101	98	111	106	83	110	80	94	139
340	Multiple sclerosis	M	101	78	75	104	141	74	95	130	68	103	110
		F	100	100	116	116	118	86	74	91	91	107	100
345	Epilepsy	M	99	111	114	146	110	70	81	104	106	71	89
		F	100	103	84	121	114	78	103	94	107	91	89
<b>390-459</b>	<b>VII Diseases of the circulatory system</b>	<b>M</b>	<b>99</b>	<b>105</b>	<b>117</b>	<b>113</b>	<b>107</b>	<b>101</b>	<b>103</b>	<b>92</b>	<b>93</b>	<b>90</b>	<b>91</b>
		<b>F</b>	<b>99</b>	<b>105</b>	<b>116</b>	<b>116</b>	<b>105</b>	<b>100</b>	<b>105</b>	<b>94</b>	<b>87</b>	<b>93</b>	<b>91</b>
390-398	Rheumatic fever and rheumatic heart disease	M	99	112	96	104	112	80	118	81	100	106	83
		F	96	151	114	106	116	101	122	80	104	76	70
390-392	Acute rheumatic fever	M	106	-	508	390	-	-	245	-	-	-	-
		F	106	-	-	127	172	214	170	165	-	106	-
393-398	Chronic rheumatic heart disease	M	99	113	93	102	113	81	116	82	101	107	84
		F	96	152	114	106	116	100	122	79	105	75	70
401-405, 430-438	Hypertensive and cerebrovascular disease	M	99	105	116	115	106	102	107	89	91	94	89
		F	99	106	110	116	105	98	104	98	82	95	95
401-405	Hypertensive disease	M	99	110	79	88	90	98	116	92	162	84	76
		F	99	111	95	97	82	97	103	117	137	83	84
410-414	Ischaemic heart disease	M	99	105	121	115	112	101	102	91	92	86	91
		F	100	103	125	120	112	100	104	91	87	86	89
410	Acute myocardial infarction	M	99	108	116	121	123	98	97	90	81	83	97
		F	99	108	129	124	118	95	102	90	77	84	95
411-414	Ischaemic heart disease other than acute myocardial infarction	M	99	102	127	108	102	104	108	92	103	88	85
		F	100	99	121	116	105	105	107	93	98	88	84
415-429	Diseases of pulmonary circulation and other forms of heart disease	M	99	110	99	102	90	105	109	95	103	99	90
		F	99	113	99	103	85	106	110	95	93	108	90
430-438	Cerebrovascular disease	M	99	105	119	116	107	102	106	89	86	94	90
		F	100	106	111	117	106	98	104	97	79	95	95

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - continued

ICD 9 code	Underlying cause*		England	Wales	Government office regions								
					North East	North West	Yorkshire and The Humber	East Midlands	West Midlands	East	London	South East	South West
433,434	Cerebral infarction	M F	98 98	123 128	141 135	122 126	132 114	87 83	103 108	75 103	73 51	84 80	99 110
440	Atherosclerosis	M F	100 100	106 105	148 144	134 134	108 102	96 97	89 92	104 81	47 59	90 107	111 96
451-453	Phlebitis, thrombophlebitis, venous embolism and thrombosis	M F	97 99	124 101	129 111	115 111	99 84	48 65	75 108	93 93	121 112	107 110	83 87
<b>460-519</b>	<b>VIII Diseases of the respiratory system</b>	<b>M F</b>	<b>100 100</b>	<b>96 98</b>	<b>122 123</b>	<b>116 116</b>	<b>106 106</b>	<b>104 103</b>	<b>104 101</b>	<b>92 94</b>	<b>108 105</b>	<b>88 92</b>	<b>80 77</b>
480-486	Pneumonia	M F	101 100	89 97	119 116	110 108	97 98	103 101	102 100	97 99	112 110	96 98	82 81
487	Influenza	M F	104 99	31 112	41 57	105 113	137 97	185 140	114 125	52 106	63 78	138 90	82 83
490-496	Chronic obstructive pulmonary disease and allied conditions	M F	100 99	101 107	127 147	124 136	115 127	100 98	104 95	88 78	107 96	80 79	79 69
490-493	Bronchitis, chronic and unspecified, emphysema and asthma	M F	98 98	122 129	119 121	103 111	134 127	90 91	119 103	90 90	97 98	83 83	72 75
490-492	Bronchitis, chronic and unspecified and emphysema	M F	98 97	133 144	119 139	103 117	139 129	93 84	115 105	91 93	96 92	80 76	67 68
493	Asthma	M F	101 99	71 106	119 94	102 102	108 125	78 100	139 100	87 86	99 106	97 94	93 87
<b>520-579</b>	<b>IX Diseases of the digestive system</b>	<b>M F</b>	<b>100 100</b>	<b>93 96</b>	<b>123 118</b>	<b>119 112</b>	<b>90 96</b>	<b>100 106</b>	<b>101 104</b>	<b>82 94</b>	<b>118 101</b>	<b>91 92</b>	<b>86 89</b>
531-533	Ulcer of stomach and duodenum	M F	100 100	92 89	120 117	125 104	105 88	105 105	93 106	85 100	103 114	87 95	94 86
540-543, 550-553, 574, 575.0-1	Appendicitis, hernia of abdominal cavity, cholelithiasis, and cholecystitis	M F	101 101	79 82	149 123	101 117	87 99	131 96	123 116	85 106	94 88	96 87	83 94
540-543	Appendicitis	M F	99 100	88 98	191 -	93 90	69 76	81 94	65 194	74 87	136 100	109 111	111 94
550-553, 560	Hernia of abdominal cavity and intestinal obstruction without mention of hernia	M F	101 101	84 84	132 116	105 109	81 119	115 102	116 113	89 98	103 111	96 85	94 72
550-553	Hernia of abdominal cavity	M F	102 101	63 82	90 100	116 124	91 115	144 67	125 105	98 127	78 84	99 90	86 93
562	Diverticula of intestine	M F	100 100	97 99	90 130	82 107	86 73	92 96	137 109	83 101	105 110	117 104	93 80
571	Chronic liver disease and cirrhosis	M F	100 100	95 97	121 129	140 129	85 90	74 86	106 111	68 75	139 111	81 87	78 84
<b>580-629</b>	<b>X Diseases of the genitourinary system</b>	<b>M F</b>	<b>99 99</b>	<b>104 113</b>	<b>102 124</b>	<b>103 101</b>	<b>99 89</b>	<b>108 112</b>	<b>104 101</b>	<b>91 98</b>	<b>110 114</b>	<b>96 88</b>	<b>88 84</b>
580-589	Nephritis, nephrotic syndrome and nephrosis	M F	97 98	135 132	98 130	99 110	111 92	102 124	124 111	83 85	92 87	92 88	82 82
585	Chronic renal failure	M F	98 98	131 124	78 125	115 124	121 95	90 155	134 111	71 89	94 69	95 79	77 74
600	Hyperplasia of prostate	M	100	105	65	150	139	91	105	108	93	92	41
<b>630-676</b>	<b>XI Complications of pregnancy, F childbirth and the puerperium</b>		<b>105</b>	<b>-</b>	<b>48</b>	<b>54</b>	<b>49</b>	<b>60</b>	<b>282</b>	<b>114</b>	<b>131</b>	<b>77</b>	<b>107</b>
630-639	Pregnancy with abortive outcome	F	105	-	-	111	-	364	144	137	184	-	-

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		England	Wales	Government office regions								
					North East	North West	Yorkshire and The Humber	East Midlands	West Midlands	East	London	South East	South West
640-646, 651-676	Direct obstetric causes	F	105	-	79	30	82	-	311	113	97	102	133
647-648	Indirect obstetric causes	F	105	-	-	78	-	-	304	98	181	67	117
<b>680-709</b>	<b>XII Diseases of the skin and subcutaneous tissue</b>	<b>M</b>	<b>98</b>	<b>131</b>	<b>90</b>	<b>93</b>	<b>79</b>	<b>102</b>	<b>119</b>	<b>95</b>	<b>119</b>	<b>98</b>	<b>86</b>
		<b>F</b>	<b>101</b>	<b>84</b>	<b>109</b>	<b>103</b>	<b>89</b>	<b>90</b>	<b>134</b>	<b>116</b>	<b>103</b>	<b>90</b>	<b>86</b>
<b>710-739</b>	<b>XIII Diseases of the musculoskeletal system and connective tissue</b>	<b>M</b>	<b>101</b>	<b>80</b>	<b>85</b>	<b>103</b>	<b>116</b>	<b>108</b>	<b>102</b>	<b>102</b>	<b>107</b>	<b>81</b>	<b>109</b>
		<b>F</b>	<b>101</b>	<b>73</b>	<b>73</b>	<b>92</b>	<b>134</b>	<b>80</b>	<b>109</b>	<b>100</b>	<b>99</b>	<b>104</b>	<b>106</b>
714.0	Rheumatoid arthritis	M	96	169	162	143	41	115	86	103	56	85	100
		F	98	119	103	105	109	89	111	103	66	100	102
733.0	Osteoporosis	M	105	21	19	99	209	84	105	126	107	52	124
		F	104	33	40	95	185	46	106	116	108	90	114
<b>740-759</b>	<b>XIV Congenital anomalies</b>	<b>M</b>	<b>95</b>	<b>100</b>	<b>96</b>	<b>94</b>	<b>122</b>	<b>76</b>	<b>111</b>	<b>91</b>	<b>84</b>	<b>85</b>	<b>108</b>
		<b>F</b>	<b>97</b>	<b>99</b>	<b>103</b>	<b>107</b>	<b>108</b>	<b>101</b>	<b>100</b>	<b>113</b>	<b>78</b>	<b>97</b>	<b>72</b>
<b>760-779</b>	<b>XV Certain conditions originating in the perinatal period</b>	<b>M</b>	<b>99</b>	<b>115</b>	<b>107</b>	<b>114</b>	<b>65</b>	<b>192</b>	<b>24</b>	<b>84</b>	<b>120</b>	<b>106</b>	<b>86</b>
		<b>F</b>	<b>93</b>	<b>222</b>	<b>52</b>	<b>74</b>	<b>201</b>	<b>188</b>	<b>46</b>	<b>23</b>	<b>133</b>	<b>32</b>	<b>111</b>
764-765	Slow fetal growth, and fetal malnutrition and immaturity	M	106	-	-	-	-	-	-	197	366	133	-
		F	106	-	-	-	-	-	-	-	610	-	-
767	Birth trauma	M	106	-	-	-	-	-	-	-	609	-	-
		F	106	-	-	259	351	-	-	-	208	-	-
768-770	Hypoxia, birth asphyxia and other respiratory conditions	M	96	168	117	126	76	164	17	88	77	119	105
		F	90	283	66	71	192	199	59	-	112	40	107
<b>780-799</b>	<b>XVI Symptoms, signs and ill-defined conditions</b>	<b>M</b>	<b>101</b>	<b>85</b>	<b>82</b>	<b>105</b>	<b>121</b>	<b>115</b>	<b>75</b>	<b>100</b>	<b>89</b>	<b>104</b>	<b>107</b>
		<b>F</b>	<b>102</b>	<b>69</b>	<b>88</b>	<b>102</b>	<b>122</b>	<b>116</b>	<b>85</b>	<b>102</b>	<b>75</b>	<b>108</b>	<b>115</b>
797	Senility without mention of psychosis	M	102	67	80	104	130	121	81	100	69	108	116
		F	102	64	86	101	125	117	85	102	73	108	117
798.0	Sudden infant death syndrome	M	96	165	144	97	132	77	64	122	49	126	95
		F	101	57	156	142	43	53	88	60	86	135	154
<b>800-999</b>	<b>XVII Injury and poisoning</b>	<b>M</b>	<b>98</b>	<b>120</b>	<b>95</b>	<b>114</b>	<b>103</b>	<b>109</b>	<b>96</b>	<b>92</b>	<b>92</b>	<b>91</b>	<b>92</b>
		<b>F</b>	<b>98</b>	<b>125</b>	<b>104</b>	<b>106</b>	<b>86</b>	<b>115</b>	<b>103</b>	<b>100</b>	<b>94</b>	<b>89</b>	<b>95</b>
800-829	Fractures	M	96	151	136	97	100	104	110	99	61	91	102
		F	97	139	120	94	68	136	126	112	71	89	95
850-869 950-957	Intracranial and internal injuries, including nerves	M	98	103	82	113	99	137	101	92	83	94	89
		F	100	86	83	112	94	117	103	103	98	88	99
940-949	Burns	M	98	82	122	95	61	109	93	62	155	83	106
		F	97	113	78	136	127	84	86	55	140	65	89
960-989	Poisonings and toxic effects	M	99	106	78	138	102	102	78	98	97	88	92
		F	98	133	102	127	114	85	77	76	109	89	90
994.1	Drowning and nonfatal submersion	M	95	172	83	74	106	92	79	93	120	96	107
		F	104	35	121	87	42	93	93	104	100	117	183
<b>E800-E999</b>	<b>EXVII External causes of injury and poisoning</b>	<b>M</b>	<b>98</b>	<b>120</b>	<b>95</b>	<b>114</b>	<b>103</b>	<b>109</b>	<b>96</b>	<b>92</b>	<b>92</b>	<b>91</b>	<b>92</b>
		<b>F</b>	<b>98</b>	<b>125</b>	<b>104</b>	<b>106</b>	<b>86</b>	<b>115</b>	<b>103</b>	<b>100</b>	<b>94</b>	<b>89</b>	<b>95</b>
E800-E949	Accidents and adverse effects	M	97	128	91	108	102	120	94	95	86	90	93
		F	97	131	102	103	84	128	112	104	82	88	93
E800-E848	Transport accidents	M	97	117	89	94	111	149	91	96	57	103	106
		F	100	78	85	92	87	142	121	112	64	98	113
E810-E819	Motor vehicle traffic accidents	M	98	115	87	95	116	152	92	97	57	102	104
		F	100	79	86	94	86	144	122	111	63	98	109

\*The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		England	Wales	Government office regions								
					North East	North West	Yorkshire and The Humber	East Midlands	West Midlands	East	London	South East	South West
E810-E819 with fourth digit= 0	Motor vehicle traffic accidents with injury to driver of motor vehicle other than motorcycle	M F	98 100	108 87	94 72	88 75	123 70	169 146	94 141	97 148	44 35	109 119	93 108
E810-E819 with fourth digit= 1	Motor vehicle traffic accidents with injury to passenger in motor vehicle other than motorcycle	M F	95 98	131 93	69 72	85 75	110 93	172 165	113 89	89 93	48 56	91 120	107 123
E810-E819 with fourth digit= 2	Motor vehicle traffic accidents with injury to motorcyclist	M F	99 106	105 -	39 -	99 110	82 150	148 182	100 -	123 142	50 -	117 47	128 403
E810-E819 with fourth digit = 3	Motor vehicle traffic accidents with injury to passenger on motorcycle	M F	106 99	- 111	226 -	- 136	- 124	142 -	220 118	- 233	216 -	75 117	126 133
E810-E819 with fourth digit = 6	Motor vehicle traffic accidents with injury to pedal cyclist	M F	99 106	119 -	77 -	58 126	209 87	156 157	56 123	94 204	43 122	101 55	134 45
E810-E819 with fourth digit = 7	Motor vehicle traffic accidents with injury to pedestrian	M F	98 101	121 61	126 123	120 119	116 89	123 137	77 139	76 81	94 99	81 69	90 88
E850-E869	Accidental poisoning	M F	98 93	117 197	62 59	162 162	98 114	95 69	54 99	106 75	118 105	73 67	77 55
E880-E888	Accidental falls	M F	96 97	151 137	99 111	118 100	84 70	107 133	110 117	97 108	88 79	79 90	96 93
E890-E929	Accidents caused by fire and flames, and other accidents, including late effects	M F	97 97	129 143	101 102	94 102	111 102	101 121	99 95	82 95	118 103	91 84	79 79
E890-E899	Accidents caused by fire and flames	M F	97 97	119 128	84 111	118 118	108 133	134 120	98 75	73 66	132 140	70 73	55 46
E900-E929	Other accidents	M F	97 97	131 146	104 100	88 98	112 95	94 122	100 100	84 103	115 94	96 87	84 86
E950-E959, E980-E989	Suicide and self inflicted injury, and injury undetermined whether accidentally or purposely inflicted	M F	99 99	112 109	101 113	120 115	103 91	95 79	96 75	88 87	97 127	94 91	92 107
E950-E959	Suicide and self inflicted injury	M F	98 99	128 112	89 82	117 119	104 82	105 67	94 73	92 97	77 119	102 110	99 105
E960-E969	Homicide and injury purposely inflicted by other persons	M F	102 101	51 68	69 96	146 123	93 109	77 24	121 94	82 92	156 140	70 99	61 91
E980-E989	Injury undetermined whether accidentally or purposely inflicted	M F	101 100	78 103	125 157	126 108	102 104	74 96	102 78	78 74	137 139	78 64	77 109
E988.8	Injury by other and unspecified means, undetermined whether accidentally or purposely inflicted	M F	99 99	112 111	185 143	119 161	97 83	91 78	117 78	46 103	127 135	78 58	63 57

\*The figures for individual cause categories exclude deaths under 28 days.



Table 15 - *continued*

ICD 9 code	Underlying cause*		Metropolitan counties Total	Metropolitan counties						Non metro- politan counties
				Greater Manchester	Mersey- side	South Yorkshire	Tyne and Wear	West Midlands	West Yorkshire	
	<b>All causes</b>	<b>M</b>	<b>113</b>	<b>118</b>	<b>116</b>	<b>111</b>	<b>121</b>	<b>108</b>	<b>107</b>	<b>94</b>
		<b>F</b>	<b>109</b>	<b>114</b>	<b>113</b>	<b>109</b>	<b>116</b>	<b>101</b>	<b>105</b>	<b>97</b>
	<b>All causes, ages 28 days and over</b>	<b>M</b>	<b>113</b>	<b>118</b>	<b>116</b>	<b>111</b>	<b>121</b>	<b>108</b>	<b>107</b>	<b>94</b>
		<b>F</b>	<b>109</b>	<b>114</b>	<b>113</b>	<b>109</b>	<b>116</b>	<b>101</b>	<b>105</b>	<b>97</b>
<b>001-139</b>	<b>I Infectious and parasitic diseases</b>	<b>M</b>	<b>114</b>	<b>135</b>	<b>85</b>	<b>64</b>	<b>112</b>	<b>138</b>	<b>112</b>	<b>80</b>
		<b>F</b>	<b>95</b>	<b>122</b>	<b>60</b>	<b>60</b>	<b>117</b>	<b>109</b>	<b>82</b>	<b>90</b>
001-009	Intestinal infectious diseases	M	116	82	146	51	307	64	146	86
		F	104	85	43	65	210	133	102	79
010-018	Tuberculosis	M	131	126	59	92	145	181	141	62
		F	143	167	28	63	143	178	203	75
010-012	Pulmonary and other respiratory tuberculosis	M	133	119	76	99	164	173	143	62
		F	142	193	46	52	177	160	167	72
033	Whooping cough	M	-	-	-	-	-	-	-	123
		F	-	-	-	-	-	-	-	-
034,035	Streptococcal sore throat, scarlatina and erysipelas	M	335	726	-	-	-	705	-	71
		F	323	-	1214	1363	-	-	-	74
036	Meningococcal infection	M	122	168	40	43	255	141	76	96
		F	120	191	64	70	203	116	63	102
038	Septicaemia	M	115	146	76	58	120	136	113	88
		F	95	146	71	61	106	88	75	94
042-044	HIV infection	M	77	111	60	61	74	79	58	38
		F	84	60	-	119	-	181	74	68
055	Measles	M	447	-	-	-	-	1870	-	-
		F	-	-	-	-	-	-	-	-
084	Malaria	M	79	-	-	-	790	-	-	75
		F	-	-	-	-	-	-	-	108
137	Late effects of tuberculosis	M	137	69	-	124	-	190	329	89
		F	69	154	-	-	164	73	-	85
<b>140-239</b>	<b>II Neoplasms</b>	<b>M</b>	<b>112</b>	<b>115</b>	<b>114</b>	<b>108</b>	<b>128</b>	<b>108</b>	<b>106</b>	<b>93</b>
		<b>F</b>	<b>106</b>	<b>108</b>	<b>117</b>	<b>108</b>	<b>117</b>	<b>97</b>	<b>102</b>	<b>96</b>
140-208	Malignant neoplasms	M	112	115	114	108	129	109	106	93
		F	107	107	116	109	117	97	102	96
140-149	Malignant neoplasm of lip, oral cavity and pharynx	M	123	146	106	130	162	120	83	84
		F	115	121	149	113	114	96	108	87
150-159	Malignant neoplasm of digestive organs and peritoneum	M	111	116	112	110	118	112	100	94
		F	104	107	107	109	111	100	96	98
150	Malignant neoplasm of oesophagus	M	107	123	130	91	105	96	99	97
		F	100	97	134	76	104	107	84	101
151	Malignant neoplasm of stomach	M	119	122	103	145	138	114	108	91
		F	132	132	120	181	137	116	126	84
152-153	Malignant neoplasm of small intestine and of colon	M	105	118	120	100	94	110	82	97
		F	96	105	98	90	101	89	93	104
153	Malignant neoplasm of colon	M	105	118	122	99	95	109	82	97
		F	95	105	96	92	102	88	90	104
154	Malignant neoplasm of rectum, rectosigmoid junction and anus	M	128	112	130	123	154	140	118	90
		F	112	129	103	103	86	110	122	94
155-156	Malignant neoplasm of liver, gallbladder and bile ducts	M	108	116	97	99	138	98	106	88
		F	98	96	80	103	137	103	83	98
157	Malignant neoplasm of pancreas	M	102	105	80	98	96	112	106	94
		F	99	94	106	115	119	95	86	98

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - continued

ICD 9 code	Underlying cause*		Metropolitan counties Total	Metropolitan counties						Non metro- politan counties
				Greater Manchester	Mersey- side	South Yorkshire	Tyne and Wear	West Midlands	West Yorkshire	
161	Malignant neoplasm of larynx	M	138	118	157	111	253	124	119	78
		F	125	149	115	227	145	105	50	85
162	Malignant neoplasm of trachea, bronchus and lung	M	126	129	135	120	161	110	122	87
		F	130	136	158	127	166	94	131	83
172-173	Malignant neoplasm of skin	M	84	86	90	56	66	92	95	106
		F	91	98	87	97	101	93	74	103
172	Malignant melanoma of skin	M	83	79	75	67	80	95	91	108
		F	87	85	82	107	98	89	73	106
173	Other malignant neoplasm of skin	M	86	110	137	18	22	83	106	100
		F	108	154	108	49	113	113	78	91
174	Malignant neoplasm of female breast	F	94	92	101	93	100	99	83	103
179-189	Malignant neoplasm of genitourinary organs	M	101	98	100	104	105	105	95	100
		F	103	106	113	105	85	98	106	99
179,182	Malignant neoplasm of uterus, other and unspecified	F	96	101	97	115	67	102	87	98
180	Malignant neoplasm of cervix uteri	F	125	115	164	122	104	106	147	89
183	Malignant neoplasm of ovary and other uterine adnexa	F	95	97	103	95	82	98	89	104
185	Malignant neoplasm of prostate	M	97	97	98	95	101	102	92	103
186	Malignant neoplasm of testis	M	114	28	204	266	63	109	99	97
188	Malignant neoplasm of bladder	M	108	106	103	116	105	111	109	96
		F	117	128	120	113	102	101	130	93
189	Malignant neoplasm of kidney and other and unspecified urinary organs	M	103	88	104	122	129	105	90	95
		F	94	93	104	78	81	89	111	97
191-192	Malignant neoplasm of brain and other and unspecified parts of the nervous system	M	86	74	84	111	104	62	107	105
		F	95	95	113	103	142	81	66	107
200-208	Malignant neoplasm of lymphatic and haematopoietic tissue	M	97	91	90	91	102	108	97	96
		F	96	89	90	91	121	95	99	103
201	Hodgkin's disease	M	108	126	125	26	248	81	85	67
		F	109	89	-	102	39	208	130	100
202	Other malignant neoplasm of lymphoid and histiocytic tissue	M	92	81	94	89	89	103	91	99
		F	94	93	92	74	120	77	114	103
203	Multiple myeloma and immunoproliferative neoplasms	M	116	102	95	115	122	134	122	94
		F	98	95	83	114	114	91	104	104
204-208	Leukaemia	M	92	94	80	84	89	103	93	96
		F	97	80	100	95	137	110	78	102
205	Myeloid leukaemia	M	94	88	81	81	91	117	90	94
		F	97	64	94	109	128	118	91	101
210-239	Benign, in situ, other and unspecified neoplasms	M	108	143	121	97	85	93	97	100
		F	105	120	139	64	96	102	98	99
240-279	III Endocrine, nutritional and metabolic diseases and immunity disorders	M	108	108	95	102	104	127	98	93
		F	113	111	104	126	110	127	95	94
250	Diabetes mellitus	M	110	115	96	101	97	130	100	91
		F	110	108	95	127	100	128	95	96

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Metropolitan counties Total	Metropolitan counties						Non metro- politan counties
				Greater Manchester	Mersey- side	South Yorkshire	Tyne and Wear	West Midlands	West Yorkshire	
260-269	Nutritional deficiencies	M	54	-	-	-	-	151	93	102
		F	46	50	85	-	-	100	-	115
264-269	Avitaminosis	M	48	-	-	-	-	200	-	77
		F	98	217	-	-	-	213	-	43
279	Disorders involving the immune mechanism	M	64	-	-	181	-	-	224	74
		F	124	-	-	420	242	104	134	47
<b>280-289</b>	<b>IV Diseases of blood and blood-forming organs</b>	<b>M</b>	<b>96</b>	<b>99</b>	<b>90</b>	<b>71</b>	<b>119</b>	<b>104</b>	<b>89</b>	<b>100</b>
		<b>F</b>	<b>99</b>	<b>82</b>	<b>100</b>	<b>70</b>	<b>126</b>	<b>128</b>	<b>86</b>	<b>105</b>
280-285	Anaemias	M	103	113	98	103	100	127	66	90
		F	108	109	142	94	77	142	65	103
<b>290-319</b>	<b>V Mental disorders</b>	<b>M</b>	<b>113</b>	<b>91</b>	<b>96</b>	<b>159</b>	<b>145</b>	<b>105</b>	<b>116</b>	<b>97</b>
		<b>F</b>	<b>102</b>	<b>95</b>	<b>96</b>	<b>119</b>	<b>133</b>	<b>96</b>	<b>97</b>	<b>105</b>
290	Senile and presenile organic psychotic conditions	M	105	94	95	151	147	93	90	107
		F	98	90	106	116	116	87	93	109
<b>320-389</b>	<b>VI Diseases of the nervous system and sense organs</b>	<b>M</b>	<b>104</b>	<b>105</b>	<b>107</b>	<b>114</b>	<b>92</b>	<b>105</b>	<b>101</b>	<b>102</b>
		<b>F</b>	<b>99</b>	<b>87</b>	<b>91</b>	<b>121</b>	<b>124</b>	<b>94</b>	<b>98</b>	<b>105</b>
320-322	Meningitis	M	91	91	100	35	167	122	44	97
		F	89	103	36	160	46	119	50	100
331.0	Alzheimer's disease	M	107	51	83	172	132	118	120	100
		F	110	79	109	110	167	110	113	100
332	Parkinson's disease	M	104	94	116	125	94	115	83	108
		F	88	81	77	113	97	88	84	112
335.2	Motor neurone disease	M	96	116	85	90	98	72	110	105
		F	93	94	85	131	98	75	95	110
340	Multiple sclerosis	M	104	72	129	121	71	85	156	114
		F	89	93	69	110	164	53	87	110
345	Epilepsy	M	133	227	107	135	95	85	115	82
		F	103	86	130	155	55	97	105	89
<b>390-459</b>	<b>VII Diseases of the circulatory system</b>	<b>M</b>	<b>113</b>	<b>121</b>	<b>114</b>	<b>115</b>	<b>116</b>	<b>108</b>	<b>106</b>	<b>95</b>
		<b>F</b>	<b>110</b>	<b>120</b>	<b>106</b>	<b>112</b>	<b>113</b>	<b>104</b>	<b>103</b>	<b>98</b>
390-398	Rheumatic fever and rheumatic heart disease	M	121	104	108	170	134	116	119	91
		F	124	118	110	153	118	144	97	82
390-392	Acute rheumatic fever	M	246	559	-	-	-	511	-	106
		F	80	-	-	674	-	-	-	183
393-398	Chronic rheumatic heart disease	M	120	100	109	172	135	112	120	91
		F	124	118	111	151	119	145	98	82
401-405, 430-438	Hypertensive and cerebrovascular disease	M	114	128	112	113	104	113	104	97
		F	107	120	105	109	102	102	103	101
401-405	Hypertensive disease	M	110	108	80	128	76	149	88	83
		F	94	119	84	90	101	93	70	94
410-414	Ischaemic heart disease	M	116	124	116	125	121	107	111	93
		F	115	128	110	121	122	102	110	95
410	Acute myocardial infarction	M	121	128	139	118	118	103	129	92
		F	120	130	133	105	127	101	130	94
411-414	Ischaemic heart disease other than acute myocardial infarction	M	111	120	93	132	124	112	91	94
		F	109	127	87	137	117	103	90	97
415-429	Diseases of pulmonary circulation and other forms of heart disease	M	103	105	104	77	113	118	92	97
		F	100	107	101	78	106	113	85	99
430-438	Cerebrovascular disease	M	114	129	114	112	106	111	106	97
		F	108	120	106	110	102	102	105	101

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Metropolitan counties Total	Metropolitan counties						Non metro- politan counties
				Greater Manchester	Mersey- side	South Yorkshire	Tyne and Wear	West Midlands	West Yorkshire	
433,434	Cerebral infarction	M	122	162	79	145	139	97	111	93
		F	106	157	71	129	98	85	85	100
440	Atherosclerosis	M	88	93	144	103	77	57	82	115
		F	105	106	89	93	94	118	114	103
451-453	Phlebitis, thrombophlebitis, venous embolism and thrombosis	M	99	65	180	89	139	73	101	89
		F	94	72	101	113	149	116	45	97
<b>460-519</b>	<b>VIII Diseases of the respiratory system</b>	<b>M</b>	<b>119</b>	<b>125</b>	<b>132</b>	<b>113</b>	<b>130</b>	<b>109</b>	<b>113</b>	<b>90</b>
		<b>F</b>	<b>116</b>	<b>122</b>	<b>129</b>	<b>106</b>	<b>130</b>	<b>104</b>	<b>112</b>	<b>91</b>
480-486	Pneumonia	M	110	109	137	94	124	103	105	93
		F	108	110	130	97	124	98	99	94
487	Influenza	M	94	128	295	-	-	39	100	125
		F	118	202	49	110	64	113	104	104
490-496	Chronic obstructive pulmonary disease and allied conditions	M	128	146	129	129	135	116	117	86
		F	134	150	138	127	147	109	140	83
490-493	Bronchitis, chronic and unspecified, emphysema and asthma	M	130	108	99	215	103	124	147	90
		F	126	137	91	165	103	119	133	86
490-492	Bronchitis, chronic and unspecified, and emphysema	M	131	111	92	240	104	110	152	91
		F	137	149	102	169	141	124	141	84
493	Asthma	M	128	95	130	104	95	184	125	88
		F	110	119	76	159	48	113	121	90
<b>520-579</b>	<b>IX Diseases of the digestive system</b>	<b>M</b>	<b>114</b>	<b>118</b>	<b>132</b>	<b>98</b>	<b>145</b>	<b>111</b>	<b>94</b>	<b>87</b>
		<b>F</b>	<b>109</b>	<b>113</b>	<b>120</b>	<b>98</b>	<b>119</b>	<b>106</b>	<b>102</b>	<b>95</b>
531-533	Ulcer of stomach and duodenum	M	120	135	141	100	136	102	115	90
		F	99	98	109	90	111	101	90	99
540-543, 550-553, 574, 575.0-1	Appendicitis, hernia of abdominal cavity, cholelithiasis, and cholecystitis	M	106	89	113	118	176	104	78	105
		F	117	104	140	105	143	116	109	98
540-543	Appendicitis	M	104	58	152	53	317	82	70	87
		F	71	31	107	60	-	123	76	108
550-553, 560	Hernia of abdominal cavity and intestinal obstruction without mention of hernia	M	100	81	91	75	163	119	89	101
		F	119	116	127	122	131	111	121	92
550-553	Hernia of abdominal cavity	M	101	95	136	99	68	117	84	114
		F	119	132	137	125	135	94	110	96
562	Diverticula of intestine	M	97	86	92	116	92	109	89	99
		F	96	110	95	85	134	102	61	98
571	Chronic liver disease and cirrhosis	M	125	139	174	97	141	126	83	73
		F	122	135	164	100	131	114	95	87
<b>580-629</b>	<b>X Diseases of the genitourinary system</b>	<b>M</b>	<b>104</b>	<b>98</b>	<b>108</b>	<b>91</b>	<b>131</b>	<b>104</b>	<b>103</b>	<b>92</b>
		<b>F</b>	<b>106</b>	<b>109</b>	<b>106</b>	<b>84</b>	<b>151</b>	<b>106</b>	<b>92</b>	<b>92</b>
580-589	Nephritis, nephrotic syndrome and nephrosis	M	104	96	105	77	125	110	114	94
		F	107	117	114	59	143	112	97	97
585	Chronic renal failure	M	118	117	134	70	113	132	127	91
		F	119	150	139	57	132	121	95	95
600	Hyperplasia of prostate	M	150	182	98	204	50	157	159	92
<b>630-676</b>	<b>XI Complications of pregnancy, childbirth and the puerperium</b>	<b>F</b>	<b>131</b>	<b>93</b>	<b>88</b>	<b>94</b>	<b>110</b>	<b>279</b>	<b>57</b>	<b>96</b>
630-639	Pregnancy with abortive outcome	F	136	288	-	-	-	291	-	68

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Metropolitan counties Total	Metropolitan counties						Non metro- politan counties
				Greater Manchester	Mersey-side	South Yorkshire	Tyne and Wear	West Midlands	West Yorkshire	
640-646, 651-676	Direct obstetric causes	F	126	77	-	156	181	230	95	121
647-648	Indirect obstetric causes	F	140	-	380	-	-	394	-	49
<b>680-709</b>	<b>XII Diseases of the skin and subcutaneous tissue</b>	<b>M</b>	<b>90</b>	<b>79</b>	<b>135</b>	<b>57</b>	<b>52</b>	<b>102</b>	<b>101</b>	<b>101</b>
		<b>F</b>	<b>117</b>	<b>95</b>	<b>133</b>	<b>69</b>	<b>156</b>	<b>152</b>	<b>98</b>	<b>93</b>
<b>710-739</b>	<b>XIII Diseases of the musculoskeletal system and connective tissue</b>	<b>M</b>	<b>111</b>	<b>87</b>	<b>119</b>	<b>189</b>	<b>95</b>	<b>95</b>	<b>111</b>	<b>96</b>
		<b>F</b>	<b>112</b>	<b>92</b>	<b>84</b>	<b>247</b>	<b>90</b>	<b>100</b>	<b>100</b>	<b>99</b>
714.0	Rheumatoid arthritis	M	106	177	61	64	263	65	42	93
		F	103	94	105	130	135	97	85	102
733.0	Osteoporosis	M	131	80	102	496	22	64	115	92
		F	137	91	98	447	40	95	126	93
<b>740-759</b>	<b>XIV Congenital anomalies</b>	<b>M</b>	<b>115</b>	<b>82</b>	<b>122</b>	<b>116</b>	<b>93</b>	<b>138</b>	<b>131</b>	<b>94</b>
		<b>F</b>	<b>114</b>	<b>113</b>	<b>108</b>	<b>98</b>	<b>107</b>	<b>124</b>	<b>121</b>	<b>97</b>
<b>760-779</b>	<b>XV Certain conditions originating in the perinatal period</b>	<b>M</b>	<b>68</b>	<b>48</b>	<b>241</b>	<b>101</b>	<b>-</b>	<b>45</b>	<b>29</b>	<b>96</b>
		<b>F</b>	<b>132</b>	<b>142</b>	<b>94</b>	<b>295</b>	<b>120</b>	<b>87</b>	<b>114</b>	<b>75</b>
764-765	Slow fetal growth, and fetal malnutrition and immaturity	M	-	-	-	-	-	-	-	98
		F	-	-	-	-	-	-	-	-
767	Birth trauma	M	-	-	-	-	-	-	-	-
		F	308	659	-	1373	-	-	-	-
768-770	Hypoxia, birth asphyxia and other respiratory conditions	M	74	35	282	148	-	33	42	92
		F	140	120	120	251	153	110	145	74
<b>780-799</b>	<b>XVI Symptoms, signs and ill-defined conditions</b>	<b>M</b>	<b>96</b>	<b>87</b>	<b>147</b>	<b>92</b>	<b>62</b>	<b>54</b>	<b>140</b>	<b>103</b>
		<b>F</b>	<b>95</b>	<b>84</b>	<b>130</b>	<b>90</b>	<b>58</b>	<b>65</b>	<b>142</b>	<b>109</b>
797	Senility without mention of psychosis	M	93	75	147	90	44	52	154	110
		F	95	82	129	92	51	64	146	110
798.0	Sudden infant death syndrome	M	118	144	87	61	186	53	189	86
		F	98	121	245	-	155	55	73	92
<b>800-999</b>	<b>XVII Injury and poisoning</b>	<b>M</b>	<b>102</b>	<b>116</b>	<b>104</b>	<b>96</b>	<b>89</b>	<b>94</b>	<b>106</b>	<b>97</b>
		<b>F</b>	<b>98</b>	<b>101</b>	<b>106</b>	<b>73</b>	<b>119</b>	<b>107</b>	<b>82</b>	<b>97</b>
800-829	Fractures	M	102	84	93	78	125	124	105	102
		F	93	71	114	47	142	138	50	102
850-869 950-957	Intracranial and internal injuries, including nerves	M	99	115	104	86	79	94	99	103
		F	95	95	102	92	84	99	95	102
940-949	Burns	M	73	74	68	47	141	83	45	86
		F	136	119	104	77	179	137	192	70
960-989	Poisonings and toxic effects	M	111	151	128	118	97	68	108	93
		F	116	147	130	117	113	77	116	86
994.1	Drowning and nonfatal submersion	M	64	58	48	81	61	56	83	97
		F	83	112	98	27	218	69	17	122
<b>E800-E999</b>	<b>EXVII External causes of injury and poisoning</b>	<b>M</b>	<b>102</b>	<b>116</b>	<b>104</b>	<b>96</b>	<b>89</b>	<b>94</b>	<b>106</b>	<b>97</b>
		<b>F</b>	<b>98</b>	<b>101</b>	<b>106</b>	<b>73</b>	<b>119</b>	<b>107</b>	<b>82</b>	<b>97</b>
E800-E949	Accidents and adverse effects	M	99	114	96	95	80	91	103	100
		F	98	91	109	67	115	118	83	100
E800-E848	Transport accidents	M	84	93	69	86	75	73	101	115
		F	82	72	96	78	78	97	70	119
E810-E819	Motor vehicle traffic accidents	M	86	95	64	90	75	74	107	115
		F	84	72	96	82	81	101	73	118

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Metropolitan counties Total	Metropolitan counties						Non metro- politan counties
				Greater Manchester	Mersey-side	South Yorkshire	Tyne and Wear	West Midlands	West Yorkshire	
E810-E819 with fourth digit= 0	Motor vehicle traffic accidents with injury to driver of motor vehicle other than motorcycle	M	75	73	48	117	60	66	85	130
		F	53	46	82	36	41	63	45	138
E810-E819 with fourth digit= 1	Motor vehicle traffic accidents with injury to passenger in motor vehicle other than motorcycle	M	79	68	63	102	40	91	93	117
		F	66	46	81	91	83	54	68	127
E810-E819 with fourth digit= 2	Motor vehicle traffic accidents with injury to motorcyclist	M	68	84	54	27	45	75	85	129
		F	33	144	-	-	-	-	-	137
E810-E819 with fourth digit = 3	Motor vehicle traffic accidents with injury to passenger on motorcycle	M	50	-	-	-	508	-	-	82
		F	110	118	220	483	-	-	-	113
E810-E819 with fourth digit = 6	Motor vehicle traffic accidents with injury to pedal cyclist	M	99	59	36	154	45	57	237	99
		F	97	252	-	-	-	83	103	125
E810-E819 with fourth digit = 7	Motor vehicle traffic accidents with injury to pedestrian	M	121	168	112	68	140	85	138	80
		F	125	96	129	86	115	186	108	94
E850-E869	Accidental poisoning	M	118	196	172	118	59	36	117	83
		F	145	224	155	91	60	112	161	71
E880-E888	Accidental falls	M	108	117	119	76	105	127	91	94
		F	92	73	112	53	136	128	61	100
E890-E929	Accidents caused by fire and flames, and other accidents, including late effects	M	100	100	75	117	72	104	114	91
		F	105	97	109	74	110	118	110	93
E890-E899	Accidents caused by fire and flames	M	112	114	190	72	109	100	103	78
		F	126	99	148	109	158	83	188	75
E900-E929	Other accidents	M	97	97	51	126	64	105	116	94
		F	99	96	100	65	98	127	91	97
E950-E959, E980-E989	Suicide and self inflicted injury, and injury undetermined whether accidentally or purposely inflicted	M	106	118	109	97	102	95	109	94
		F	99	130	96	97	135	75	74	91
E950-E959	Suicide and self inflicted injury	M	101	115	98	103	78	88	115	99
		F	85	126	89	87	88	60	61	101
E960-E969	Homicide and injury purposely inflicted by other persons	M	142	147	255	89	53	168	110	61
		F	107	154	70	38	44	95	165	85
E980-E989	Injury undetermined whether accidentally or purposely inflicted	M	114	123	130	86	152	108	98	83
		F	118	135	107	111	202	96	91	76
E988.8	Injury by other and unspecified means, undetermined whether accidentally or purposely inflicted	M	136	95	124	57	239	152	169	62
		F	157	267	130	72	246	87	130	59

\* The figures for individual cause categories exclude deaths under 28 days.



Table 15 - continued

ICD 9 code	Underlying cause*		Regional offices							
			Northern and Yorkshire	Trent	Anglia and Oxford	North Thames	South Thames	South and West	West Midlands	North West
	<b>All causes</b>	<b>M</b>	<b>109</b>	<b>104</b>	<b>93</b>	<b>95</b>	<b>93</b>	<b>91</b>	<b>103</b>	<b>112</b>
		<b>F</b>	<b>108</b>	<b>103</b>	<b>97</b>	<b>94</b>	<b>94</b>	<b>91</b>	<b>102</b>	<b>111</b>
	<b>All causes, ages 28 days and over</b>	<b>M</b>	<b>109</b>	<b>104</b>	<b>93</b>	<b>95</b>	<b>93</b>	<b>91</b>	<b>103</b>	<b>112</b>
		<b>F</b>	<b>108</b>	<b>103</b>	<b>97</b>	<b>94</b>	<b>94</b>	<b>91</b>	<b>102</b>	<b>111</b>
<b>001-139</b>	<b>I Infectious and parasitic diseases</b>	<b>M</b>	<b>92</b>	<b>95</b>	<b>80</b>	<b>134</b>	<b>105</b>	<b>85</b>	<b>104</b>	<b>98</b>
		<b>F</b>	<b>94</b>	<b>94</b>	<b>102</b>	<b>113</b>	<b>99</b>	<b>93</b>	<b>93</b>	<b>93</b>
001-009	Intestinal infectious diseases	M	141	93	54	107	142	89	31	108
		F	100	87	100	104	126	121	82	67
010-018	Tuberculosis	M	98	105	52	121	123	88	124	78
		F	129	127	65	130	80	50	110	112
010-012	Pulmonary and other respiratory tuberculosis	M	102	117	58	108	125	86	121	76
		F	116	92	94	108	102	54	117	102
033	Whooping cough	M	-	-	960	-	-	-	-	-
		F	-	-	-	327	362	-	-	-
034,035	Streptococcal sore throat, scarlatina and erysipelas	M	-	-	323	-	-	-	328	271
		F	-	344	-	260	-	-	-	267
036	Meningococcal infection	M	133	133	81	144	49	52	103	118
		F	114	89	101	96	58	143	76	109
038	Septicaemia	M	94	109	98	134	66	85	111	104
		F	98	89	117	98	88	92	95	99
042-044	HIV infection	M	78	55	44	210	179	81	69	69
		F	49	152	56	168	152	24	118	47
055	Measles	M	-	-	-	-	-	-	982	-
		F	-	1036	-	-	-	-	-	-
084	Malaria	M	275	168	-	125	-	131	-	132
		F	-	515	-	-	360	-	-	-
137	Late effects of tuberculosis	M	179	60	60	102	68	145	152	51
		F	59	-	224	122	156	74	72	86
<b>140-239</b>	<b>II Neoplasms</b>	<b>M</b>	<b>110</b>	<b>101</b>	<b>91</b>	<b>97</b>	<b>95</b>	<b>92</b>	<b>103</b>	<b>109</b>
		<b>F</b>	<b>106</b>	<b>99</b>	<b>98</b>	<b>98</b>	<b>97</b>	<b>93</b>	<b>98</b>	<b>107</b>
140-208	Malignant neoplasms	M	110	101	91	97	95	93	103	109
		F	106	99	98	98	97	93	98	107
140-149	Malignant neoplasm of lip, oral cavity and pharynx	M	116	111	69	94	99	79	100	119
		F	109	91	67	110	99	88	91	132
150-159	Malignant neoplasm of digestive organs and peritoneum	M	107	103	91	93	93	91	109	109
		F	103	102	98	95	98	95	100	106
150	Malignant neoplasm of oesophagus	M	106	95	97	86	93	94	104	123
		F	96	98	90	91	91	102	112	112
151	Malignant neoplasm of stomach	M	110	119	72	89	83	91	117	111
		F	120	115	84	86	82	83	98	124
152-153	Malignant neoplasm of small intestine and of colon	M	93	96	99	92	100	94	104	112
		F	94	94	100	95	106	105	95	101
153	Malignant neoplasm of colon	M	93	95	99	92	101	93	104	112
		F	93	95	100	96	106	105	95	101
154	Malignant neoplasm of rectum, rectosigmoid junction and anus	M	128	113	91	78	79	81	124	106
		F	119	104	102	91	97	86	102	107
155-156	Malignant neoplasm of liver, gallbladder and bile ducts	M	121	92	80	106	111	83	94	99
		F	105	104	118	91	99	79	106	102
157	Malignant neoplasm of pancreas	M	103	96	100	106	102	95	105	98
		F	100	106	95	104	101	96	98	96

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Regional offices							
			Northern and Yorkshire	Trent	Anglia and Oxford	North Thames	South Thames	South and West	West Midlands	North West
161	Malignant neoplasm of larynx	M	148	93	76	99	95	71	94	108
		F	130	147	46	80	112	71	101	121
162	Malignant neoplasm of trachea, bronchus and lung	M	124	101	83	98	91	84	101	119
		F	135	95	81	95	93	76	89	130
172-173	Malignant neoplasm of skin	M	84	82	100	113	102	128	97	83
		F	83	97	104	112	116	109	93	86
172	Malignant melanoma of skin	M	81	86	100	112	103	132	101	77
		F	80	99	105	116	115	120	95	75
173	Other malignant neoplasm of skin	M	92	70	98	115	99	117	84	102
		F	95	86	100	95	122	61	86	134
174	Malignant neoplasm of female breast	F	92	96	111	103	99	102	101	95
179-189	Malignant neoplasm of genitourinary organs	M	99	102	97	95	101	102	103	100
		F	101	103	97	96	92	98	102	106
179,182	Malignant neoplasm of uterus, other and unspecified	F	89	111	92	98	96	102	121	91
180	Malignant neoplasm of cervix uteri	F	112	89	83	86	82	105	99	130
183	Malignant neoplasm of ovary and other uterine adnexa	F	89	103	101	100	95	102	103	100
185	Malignant neoplasm of prostate	M	94	99	98	95	103	107	104	98
186	Malignant neoplasm of testis	M	132	108	89	79	71	94	132	108
188	Malignant neoplasm of bladder	M	107	110	96	97	98	89	101	105
		F	118	95	95	103	92	89	97	118
189	Malignant neoplasm of kidney and other and unspecified urinary organs	M	104	105	97	90	99	96	102	103
		F	121	111	97	83	94	95	94	103
191-192	Malignant neoplasm of brain and other and unspecified parts of the nervous system	M	107	103	106	97	106	106	80	85
		F	102	97	101	99	114	99	84	96
200-208	Malignant neoplasm of lymphatic and haematopoietic tissue	M	100	102	98	103	102	97	101	90
		F	102	92	104	107	101	100	106	87
201	Hodgkin's disease	M	141	52	101	113	80	58	77	95
		F	76	146	94	108	87	104	185	54
202	Other malignant neoplasm of lymphoid and histiocytic tissue	M	88	94	90	107	116	109	101	88
		F	105	85	102	106	107	102	97	89
203	Multiple myeloma and immunoproliferative neoplasms	M	116	105	90	101	91	98	108	98
		F	104	99	103	121	84	102	107	84
204-208	Leukaemia	M	101	115	109	96	96	88	100	88
		F	100	90	106	99	104	96	109	90
205	Myeloid leukaemia	M	92	100	118	91	99	95	106	85
		F	103	94	90	93	105	100	116	89
210-239	Benign, in situ, other and unspecified neoplasms	M	100	95	88	99	95	85	106	128
		F	103	95	100	94	96	92	110	109
<b>240-279</b>	<b>III Endocrine, nutritional and metabolic diseases and immunity disorders</b>	<b>M</b>	<b>95</b>	<b>104</b>	<b>111</b>	<b>98</b>	<b>84</b>	<b>91</b>	<b>110</b>	<b>99</b>
		<b>F</b>	<b>96</b>	<b>120</b>	<b>100</b>	<b>92</b>	<b>83</b>	<b>87</b>	<b>114</b>	<b>109</b>
250	Diabetes mellitus	M	96	103	110	99	84	91	110	101
		F	93	121	103	90	82	89	115	107

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Regional offices							
			Northern and Yorkshire	Trent	Anglia and Oxford	North Thames	South Thames	South and West	West Midlands	North West
260-269	Nutritional deficiencies	M	90	36	100	55	49	233	144	-
		F	-	315	25	-	113	174	122	75
264-269	Avitaminosis	M	80	-	176	144	-	61	191	-
		F	-	104	-	-	282	-	207	161
279	Disorders involving the immune mechanism	M	77	140	174	164	68	72	-	36
		F	86	214	53	84	119	39	102	-
<b>280-289</b>	<b>IV Diseases of blood and blood-forming organs</b>	<b>M</b>	<b>99</b>	<b>80</b>	<b>114</b>	<b>109</b>	<b>103</b>	<b>99</b>	<b>100</b>	<b>91</b>
		<b>F</b>	<b>96</b>	<b>113</b>	<b>101</b>	<b>93</b>	<b>101</b>	<b>93</b>	<b>111</b>	<b>96</b>
280-285	Anaemias	M	102	70	87	112	118	70	137	104
		F	85	110	106	91	98	71	127	125
<b>290-319</b>	<b>V Mental disorders</b>	<b>M</b>	<b>113</b>	<b>114</b>	<b>102</b>	<b>91</b>	<b>88</b>	<b>111</b>	<b>101</b>	<b>91</b>
		<b>F</b>	<b>112</b>	<b>106</b>	<b>107</b>	<b>93</b>	<b>87</b>	<b>113</b>	<b>101</b>	<b>90</b>
290	Senile and presenile organic psychotic conditions	M	105	120	120	85	80	111	101	90
		F	107	111	114	84	89	115	97	91
<b>320-389</b>	<b>VI Diseases of the nervous system and sense organs</b>	<b>M</b>	<b>98</b>	<b>108</b>	<b>99</b>	<b>92</b>	<b>92</b>	<b>101</b>	<b>105</b>	<b>103</b>
		<b>F</b>	<b>111</b>	<b>108</b>	<b>110</b>	<b>83</b>	<b>91</b>	<b>98</b>	<b>101</b>	<b>97</b>
320-322	Meningitis	M	101	105	92	140	46	93	110	105
		F	114	81	89	92	110	111	69	94
331.0	Alzheimer's disease	M	122	117	101	74	81	106	124	75
		F	141	96	117	74	76	85	116	89
332	Parkinson's disease	M	87	116	102	100	92	100	105	105
		F	86	119	89	101	96	114	102	92
335.2	Motor neurone disease	M	89	107	106	88	100	111	103	93
		F	102	105	149	72	83	126	83	97
340	Multiple sclerosis	M	115	90	117	78	108	99	95	109
		F	122	97	100	83	110	98	74	110
345	Epilepsy	M	106	87	93	105	88	79	81	148
		F	88	106	96	95	104	80	103	129
<b>390-459</b>	<b>VII Diseases of the circulatory system</b>	<b>M</b>	<b>110</b>	<b>105</b>	<b>93</b>	<b>91</b>	<b>91</b>	<b>92</b>	<b>103</b>	<b>113</b>
		<b>F</b>	<b>109</b>	<b>104</b>	<b>94</b>	<b>89</b>	<b>92</b>	<b>92</b>	<b>105</b>	<b>115</b>
390-398	Rheumatic fever and rheumatic heart disease	M	105	97	78	73	128	91	118	98
		F	109	109	83	84	94	69	122	108
390-392	Acute rheumatic fever	M	208	-	-	-	-	-	245	410
		F	-	342	173	136	-	-	170	133
393-398	Chronic rheumatic heart disease	M	104	98	79	74	129	92	116	95
		F	110	108	83	84	95	69	122	107
401-405, 430-438	Hypertensive and cerebrovascular disease	M	109	104	94	85	96	91	107	115
		F	107	101	98	85	93	94	104	116
401-405	Hypertensive disease	M	78	103	95	106	134	74	116	88
		F	81	97	94	118	117	83	103	100
410-414	Ischaemic heart disease	M	114	108	91	92	85	91	102	115
		F	115	108	91	89	84	91	104	119
410	Acute myocardial infarction	M	119	105	91	88	79	94	97	123
		F	124	101	91	84	77	93	102	124
411-414	Ischaemic heart disease other than acute myocardial infarction	M	108	111	90	97	91	89	108	106
		F	106	115	91	93	90	88	107	115
415-429	Diseases of pulmonary circulation and other forms of heart disease	M	97	97	96	99	104	91	109	102
		F	93	99	93	96	109	91	110	102
430-438	Cerebrovascular disease	M	111	104	94	83	94	92	106	117
		F	108	101	99	83	92	95	104	117

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Regional offices							
			Northern and Yorkshire	Trent	Anglia and Oxford	North Thames	South Thames	South and West	West Midlands	North West
433,434	Cerebral infarction	M F	133 122	97 91	79 91	69 66	89 80	93 99	103 108	124 127
440	Atherosclerosis	M F	120 127	102 97	87 91	59 42	103 113	99 96	89 92	136 133
451-453	Phlebitis, thrombophlebitis, venous embolism and thrombosis	M F	104 86	65 76	124 109	108 115	93 95	85 92	75 108	122 116
<b>460-519</b>	<b>VIII Diseases of the respiratory system</b>	<b>M F</b>	<b>110 112</b>	<b>105 103</b>	<b>92 95</b>	<b>102 102</b>	<b>94 95</b>	<b>82 79</b>	<b>104 101</b>	<b>118 118</b>
480-486	Pneumonia	M F	105 103	100 100	95 100	109 107	99 102	86 83	102 100	112 110
487	Influenza	M F	111 79	169 140	91 141	60 66	121 65	75 91	114 125	110 118
490-496	Chronic obstructive pulmonary disease and allied conditions	M F	115 135	106 107	87 80	96 90	91 81	80 72	104 95	125 138
490-493	Bronchitis, chronic and unspecified, emphysema and asthma	M F	113 119	110 105	99 95	96 89	85 89	73 78	119 103	103 111
490-492	Bronchitis, chronic and unspecified, and emphysema	M F	113 124	115 102	100 101	100 88	81 79	68 67	115 105	104 120
493	Asthma	M F	114 112	85 110	93 87	82 91	101 103	100 93	139 100	101 99
<b>520-579</b>	<b>IX Diseases of the digestive system</b>	<b>M F</b>	<b>101 106</b>	<b>101 103</b>	<b>85 97</b>	<b>106 94</b>	<b>101 96</b>	<b>85 90</b>	<b>101 104</b>	<b>120 112</b>
531-533	Ulcer of stomach and duodenum	M F	111 101	107 99	78 101	98 94	98 110	91 88	93 106	126 106
540-543, 550-553, 574, 575.0-1	Appendicitis, hernia of abdominal cavity, cholelithiasis, and cholecystitis	M F	103 111	125 93	95 103	95 90	90 87	86 96	123 116	104 117
540-543	Appendicitis	M F	121 49	78 76	52 92	141 98	110 85	111 133	65 194	97 82
550-553, 560	Hernia of abdominal cavity and intestinal obstruction without mention of hernia	M F	99 117	107 107	95 92	99 108	94 97	97 73	116 113	105 109
550-553	Hernia of abdominal cavity	M F	88 108	120 78	108 119	94 94	95 95	87 87	125 105	116 124
562	Diverticula of intestine	M F	79 92	89 89	86 107	101 108	121 105	98 85	137 109	86 108
571	Chronic liver disease and cirrhosis	M F	97 106	83 90	74 86	113 92	102 98	76 82	106 111	141 130
<b>580-629</b>	<b>X Diseases of the genitourinary system</b>	<b>M F</b>	<b>101 106</b>	<b>103 100</b>	<b>102 103</b>	<b>101 109</b>	<b>92 93</b>	<b>94 85</b>	<b>104 101</b>	<b>104 101</b>
580-589	Nephritis, nephrotic syndrome and nephrosis	M F	113 116	97 105	95 97	90 88	78 82	91 84	124 111	98 108
585	Chronic renal failure	M F	111 109	84 131	103 108	79 81	85 61	84 78	134 111	116 127
600	Hyperplasia of prostate	M	97	123	115	80	97	54	105	149
<b>630-676</b>	<b>XI Complications of pregnancy, childbirth and the puerperium</b>	<b>F</b>	<b>40</b>	<b>48</b>	<b>153</b>	<b>63</b>	<b>152</b>	<b>78</b>	<b>282</b>	<b>56</b>
630-639	Pregnancy with abortive outcome	F	-	148	265	98	105	-	144	115

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Regional offices							
			Northern and Yorkshire	Trent	Anglia and Oxford	North Thames	South Thames	South and West	West Midlands	North West
640-646, 651-676	Direct obstetric causes	F	65	40	109	52	168	96	311	31
647-648	Indirect obstetric causes	F	-	-	188	66	145	84	304	81
<b>680-709</b>	<b>XII Diseases of the skin and subcutaneous tissue</b>	<b>M</b>	<b>90</b>	<b>86</b>	<b>126</b>	<b>97</b>	<b>95</b>	<b>88</b>	<b>119</b>	<b>92</b>
		<b>F</b>	<b>101</b>	<b>88</b>	<b>98</b>	<b>127</b>	<b>74</b>	<b>95</b>	<b>134</b>	<b>102</b>
<b>710-739</b>	<b>XIII Diseases of the musculoskeletal system and connective tissue</b>	<b>M</b>	<b>100</b>	<b>123</b>	<b>101</b>	<b>104</b>	<b>91</b>	<b>97</b>	<b>102</b>	<b>96</b>
		<b>F</b>	<b>88</b>	<b>124</b>	<b>101</b>	<b>95</b>	<b>109</b>	<b>100</b>	<b>109</b>	<b>90</b>
714.0	Rheumatoid arthritis	M	92	101	141	73	42	98	86	143
		F	90	112	109	86	79	100	111	108
733.0	Osteoporosis	M	102	178	73	123	81	106	105	79
		F	87	147	89	99	121	99	106	88
<b>740-759</b>	<b>XIV Congenital anomalies</b>	<b>M</b>	<b>111</b>	<b>90</b>	<b>86</b>	<b>83</b>	<b>85</b>	<b>103</b>	<b>111</b>	<b>96</b>
		<b>F</b>	<b>106</b>	<b>98</b>	<b>116</b>	<b>92</b>	<b>91</b>	<b>75</b>	<b>100</b>	<b>104</b>
<b>760-779</b>	<b>XV Certain conditions originating in the perinatal period</b>	<b>M</b>	<b>84</b>	<b>170</b>	<b>105</b>	<b>120</b>	<b>98</b>	<b>83</b>	<b>24</b>	<b>109</b>
		<b>F</b>	<b>123</b>	<b>179</b>	<b>91</b>	<b>63</b>	<b>104</b>	<b>81</b>	<b>46</b>	<b>77</b>
764-765	Slow fetal growth, and fetal malnutrition and immaturity	M	-	-	-	522	145	-	-	-
		F	-	-	-	653	-	-	-	-
767	Birth trauma	M	-	-	-	653	-	-	-	-
		F	-	357	-	-	243	-	-	269
768-770	Hypoxia, birth asphyxia and other respiratory conditions	M	77	172	103	82	91	107	17	130
		F	130	163	87	60	88	78	59	73
<b>780-799</b>	<b>XVI Symptoms, signs and ill-defined conditions</b>	<b>M</b>	<b>110</b>	<b>110</b>	<b>101</b>	<b>87</b>	<b>99</b>	<b>111</b>	<b>75</b>	<b>109</b>
		<b>F</b>	<b>116</b>	<b>109</b>	<b>96</b>	<b>89</b>	<b>95</b>	<b>117</b>	<b>85</b>	<b>104</b>
797	Senility without mention of psychosis	M	118	113	102	78	92	120	81	108
		F	117	110	97	87	96	118	85	103
798.0	Sudden infant death syndrome	M	151	71	105	95	58	131	64	95
		F	96	33	77	106	73	174	88	148
<b>800-999</b>	<b>XVII Injury and poisoning</b>	<b>M</b>	<b>102</b>	<b>106</b>	<b>100</b>	<b>90</b>	<b>90</b>	<b>91</b>	<b>96</b>	<b>112</b>
		<b>F</b>	<b>97</b>	<b>101</b>	<b>105</b>	<b>94</b>	<b>89</b>	<b>93</b>	<b>103</b>	<b>106</b>
800-829	Fractures	M	114	97	110	72	75	101	110	98
		F	94	107	121	91	67	99	126	93
850-869 950-957	Intracranial and internal injuries, including nerves	M	99	122	102	85	95	84	101	108
		F	90	113	111	89	99	87	103	113
940-949	Burns	M	78	106	85	107	106	105	93	100
		F	133	87	38	111	113	67	86	127
960-989	Poisonings and toxic effects	M	91	103	107	96	84	93	78	138
		F	108	94	80	95	98	90	77	129
994.1	Drowning and nonfatal submersion	M	99	100	101	104	97	108	79	71
		F	78	75	106	89	130	156	93	91
<b>E800-E999</b>	<b>EXVII External causes of injury and poisoning</b>	<b>M</b>	<b>102</b>	<b>106</b>	<b>100</b>	<b>90</b>	<b>90</b>	<b>91</b>	<b>96</b>	<b>112</b>
		<b>F</b>	<b>97</b>	<b>101</b>	<b>105</b>	<b>94</b>	<b>89</b>	<b>93</b>	<b>103</b>	<b>106</b>
E800-E949	Accidents and adverse effects	M	99	113	105	88	87	89	94	107
		F	97	108	112	91	78	92	112	102
E800-E848	Transport accidents	M	108	136	111	66	89	101	91	89
		F	88	121	131	75	86	101	121	92
E810-E819	Motor vehicle traffic accidents	M	110	139	114	63	91	96	92	90
		F	88	123	130	74	87	98	122	93

\* The figures for individual cause categories exclude deaths under 28 days.

Table 15 - *continued*

ICD 9 code	Underlying cause*		Regional offices							
			Northern and Yorkshire	Trent	Anglia and Oxford	North Thames	South Thames	South and West	West Midlands	North West
E810-E819 with fourth digit= 0	Motor vehicle traffic accidents with injury to driver of motor vehicle other than motorcycle	M F	117 77	156 105	133 181	52 79	81 73	90 97	94 141	81 71
E810-E819 with fourth digit= 1	Motor vehicle traffic accidents with injury to passenger in motor vehicle other than motorcycle	M F	84 92	162 152	82 130	68 49	93 109	89 108	113 89	88 67
E810-E819 with fourth digit= 2	Motor vehicle traffic accidents with injury to motorcyclist	M F	80 60	117 74	132 274	64 -	100 -	121 351	100 -	90 115
E810-E819 with fourth digit = 3	Motor vehicle traffic accidents with injury to passenger on motorcycle	M F	91 -	115 123	107 224	76 40	172 87	91 97	220 118	- 142
E810-E819 with fourth digit = 6	Motor vehicle traffic accidents with injury to pedal cyclist	M F	134 68	185 128	138 120	29 124	82 96	128 66	56 123	61 131
E810-E819 with fourth digit = 7	Motor vehicle traffic accidents with injury to pedestrian	M F	133 103	108 117	73 76	88 93	104 87	77 79	77 139	119 125
E850-E869	Accidental poisoning	M F	78 93	95 73	116 87	116 108	79 59	69 58	54 99	168 167
E880-E888	Accidental falls	M F	92 91	95 110	98 116	93 92	81 73	90 97	110 117	118 99
E890-E929	Accidents caused by fire and flames, and other accidents, including late effects	M F	105 114	104 100	92 91	107 104	100 93	78 78	99 95	93 102
E890-E899	Accidents caused by fire and flames	M F	98 151	123 104	108 74	99 121	88 98	57 44	98 75	116 107
E900-E929	Other accidents	M F	107 106	101 99	89 95	109 99	102 92	83 86	100 100	88 100
E950-E959, E980-E989	Suicide and self inflicted injury, and injury undetermined whether accidentally or purposely inflicted	M F	106 99	98 83	94 82	92 103	91 124	96 97	96 75	117 117
E950-E959	Suicide and self inflicted injury	M F	100 83	105 67	109 96	76 100	87 133	103 101	94 73	115 121
E960-E969	Homicide and injury purposely inflicted by other persons	M F	84 102	80 39	69 109	101 124	141 112	67 82	121 94	148 128
E980-E989	Injury undetermined whether accidentally or purposely inflicted	M F	118 123	83 106	65 64	127 107	97 111	81 90	102 78	122 110
E988.8	Injury by other and unspecified means, undetermined whether accidentally or purposely inflicted	M F	132 109	92 82	79 118	89 63	102 125	57 49	117 78	124 168

\* The figures for individual cause categories exclude deaths under 28 days.



**Table 16a Deaths: area of occurrence by area of usual residence and sex, all causes and external causes of injury and poisoning, 1996 \***

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>All causes</b>							
<b>England and Wales</b>	<b>M</b>	<b>267,754</b>	<b>267,754</b>	<b>31,208</b>	<b>31,208</b>	<b>12</b>	<b>12</b>
	<b>F</b>	<b>290,840</b>	<b>290,840</b>	<b>27,414</b>	<b>27,414</b>	<b>9</b>	<b>9</b>
<b>England</b>	<b>M</b>	<b>251,169</b>	<b>251,298</b>	<b>30,068</b>	<b>30,197</b>	<b>12</b>	<b>12</b>
	<b>F</b>	<b>272,817</b>	<b>273,026</b>	<b>26,243</b>	<b>26,452</b>	<b>10</b>	<b>10</b>
<b>Wales</b>	<b>M</b>	<b>16,585</b>	<b>16,456</b>	<b>1,140</b>	<b>1,011</b>	<b>7</b>	<b>6</b>
	<b>F</b>	<b>18,023</b>	<b>17,814</b>	<b>1,171</b>	<b>962</b>	<b>6</b>	<b>5</b>
<b>Northern and Yorkshire RO</b>	<b>M</b>	<b>34,016</b>	<b>34,004</b>	<b>3,025</b>	<b>3,013</b>	<b>9</b>	<b>9</b>
	<b>F</b>	<b>37,166</b>	<b>37,157</b>	<b>2,505</b>	<b>2,496</b>	<b>7</b>	<b>7</b>
Bradford	M	2,330	2,375	205	250	9	11
	F	2,661	2,751	146	236	5	9
Calderdale and Kirklees	M	2,923	2,773	266	116	9	4
	F	3,450	3,358	195	103	6	3
County Durham	M	3,557	3,116	537	96	15	3
	F	3,676	3,294	484	102	13	3
East Riding	M	3,111	3,061	226	176	7	6
	F	3,283	3,215	187	119	6	4
Gateshead and South Tyneside	M	2,116	1,875	306	65	14	3
	F	2,236	2,050	250	64	11	3
Leeds	M	3,677	3,859	312	494	8	13
	F	3,986	4,068	276	358	7	9
Newcastle and North Tyneside	M	2,679	3,250	58	629	2	19
	F	3,039	3,446	57	464	2	13
North Cumbria	M	1,748	1,722	75	49	4	3
	F	2,008	1,986	47	25	2	1
Northumberland	M	1,839	1,639	264	64	14	4
	F	1,992	1,846	212	66	11	4
North Yorkshire	M	3,912	3,806	425	319	11	8
	F	4,589	4,446	407	264	9	6
Sunderland	M	1,573	1,669	109	205	7	12
	F	1,677	1,791	82	196	5	11
Tees	M	2,901	3,132	79	310	3	10
	F	2,908	3,171	38	301	1	9
Wakefield	M	1,650	1,727	163	240	10	14
	F	1,661	1,735	124	198	7	11
<b>Trent RO</b>	<b>M</b>	<b>27,330</b>	<b>26,651</b>	<b>2,743</b>	<b>2,064</b>	<b>10</b>	<b>8</b>
	<b>F</b>	<b>28,384</b>	<b>27,830</b>	<b>2,308</b>	<b>1,754</b>	<b>8</b>	<b>6</b>
Barnsley	M	1,294	1,158	184	48	14	4
	F	1,353	1,255	148	50	11	4
Doncaster	M	1,680	1,737	109	166	6	10
	F	1,643	1,674	104	135	6	8
Leicestershire	M	4,367	4,184	418	235	10	6
	F	4,624	4,447	347	170	8	4
Lincolnshire	M	3,690	3,499	403	212	11	6
	F	3,708	3,574	290	156	8	4
North Derbyshire	M	2,156	1,857	380	81	18	4
	F	2,174	1,875	357	58	16	3
North Nottinghamshire	M	2,156	2,162	253	259	12	12
	F	2,196	2,229	193	226	9	10
Nottingham	M	3,260	3,503	147	390	5	11
	F	3,299	3,518	119	338	4	10
Rotherham	M	1,286	1,157	203	74	16	6
	F	1,394	1,275	183	64	13	5
Sheffield	M	2,952	3,208	118	374	4	12
	F	3,286	3,553	99	366	3	10
Southern Derbyshire	M	2,879	2,568	412	101	14	4
	F	3,046	2,758	373	85	12	3
South Humber	M	1,610	1,618	116	124	7	8
	F	1,661	1,672	95	106	6	6

\* See section 2.5 for more details.

England and Wales, England, Wales,  
regional offices and health authorities

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>External causes E800-E999</b>							
<b>England and Wales</b>	<b>M</b>	<b>10,119</b>	<b>10,119</b>	<b>2,182</b>	<b>2,182</b>	<b>22</b>	<b>22</b>
	<b>F</b>	<b>5,815</b>	<b>5,815</b>	<b>894</b>	<b>894</b>	<b>15</b>	<b>15</b>
<b>England</b>	<b>M</b>	<b>9,433</b>	<b>9,427</b>	<b>2,090</b>	<b>2,084</b>	<b>22</b>	<b>22</b>
	<b>F</b>	<b>5,429</b>	<b>5,435</b>	<b>850</b>	<b>856</b>	<b>16</b>	<b>16</b>
<b>Wales</b>	<b>M</b>	<b>686</b>	<b>692</b>	<b>92</b>	<b>98</b>	<b>13</b>	<b>14</b>
	<b>F</b>	<b>386</b>	<b>380</b>	<b>44</b>	<b>38</b>	<b>11</b>	<b>10</b>
<b>Northern and Yorkshire RO</b>	<b>M</b>	<b>1,299</b>	<b>1,310</b>	<b>239</b>	<b>250</b>	<b>18</b>	<b>19</b>
	<b>F</b>	<b>711</b>	<b>719</b>	<b>82</b>	<b>90</b>	<b>12</b>	<b>13</b>
Bradford	M	116	91	31	6	27	7
	F	52	55	6	9	12	16
Calderdale and Kirklees	M	102	91	23	12	23	13
	F	52	48	9	5	17	10
County Durham	M	119	95	32	8	27	8
	F	60	57	5	2	8	4
East Riding	M	111	128	16	33	14	26
	F	73	76	6	9	8	12
Gateshead and South Tyneside	M	82	76	15	9	18	12
	F	48	47	4	3	8	6
Leeds	M	157	155	36	34	23	22
	F	73	80	7	14	10	18
Newcastle and North Tyneside	M	92	122	5	35	5	29
	F	62	78	1	17	2	22
North Cumbria	M	65	67	9	11	14	16
	F	43	42	3	2	7	5
Northumberland	M	64	63	8	7	13	11
	F	32	25	9	2	28	8
North Yorkshire	M	154	166	29	41	19	25
	F	108	103	15	10	14	10
Sunderland	M	44	39	8	3	18	8
	F	32	29	4	1	13	3
Tees	M	133	130	17	14	13	11
	F	44	41	8	5	18	12
Wakefield	M	60	87	10	37	17	43
	F	32	38	5	11	16	29
<b>Trent RO</b>	<b>M</b>	<b>994</b>	<b>970</b>	<b>219</b>	<b>195</b>	<b>22</b>	<b>20</b>
	<b>F</b>	<b>532</b>	<b>525</b>	<b>92</b>	<b>85</b>	<b>17</b>	<b>16</b>
Barnsley	M	40	34	10	4	25	12
	F	20	18	4	2	20	11
Doncaster	M	60	59	11	10	18	17
	F	25	22	4	1	16	5
Leicestershire	M	179	165	40	26	22	16
	F	98	88	18	8	18	9
Lincolnshire	M	127	127	30	30	24	24
	F	80	76	11	7	14	9
North Derbyshire	M	84	81	20	17	24	21
	F	49	47	12	10	24	21
North Nottinghamshire	M	113	94	28	9	25	10
	F	51	45	13	7	25	16
Nottingham	M	115	158	8	51	7	32
	F	79	97	7	25	9	26
Rotherham	M	37	32	14	9	38	28
	F	13	15	3	5	23	33
Sheffield	M	99	107	14	22	14	21
	F	42	49	4	11	10	22
Southern Derbyshire	M	93	77	26	10	28	13
	F	55	50	10	5	18	10
South Humber	M	47	36	18	7	38	19
	F	20	18	6	4	30	22

Table 16a All causes - continued

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>Anglia and Oxford RO</b>	<b>M</b>	<b>25,027</b>	<b>25,157</b>	<b>2,585</b>	<b>2,715</b>	<b>10</b>	<b>11</b>
	<b>F</b>	<b>26,178</b>	<b>26,305</b>	<b>2,155</b>	<b>2,282</b>	<b>8</b>	<b>9</b>
Bedfordshire	M	2,389	2,228	303	142	13	6
	F	2,328	2,166	241	79	10	4
Berkshire	M	3,176	3,155	338	317	11	10
	F	3,532	3,533	326	327	9	9
Buckinghamshire	M	2,696	2,514	438	256	16	10
	F	2,874	2,727	369	222	13	8
Cambridge and Huntingdon	M	1,890	2,259	127	496	7	22
	F	2,030	2,326	113	409	6	18
East Norfolk	M	3,551	3,797	206	452	6	12
	F	3,697	3,889	176	368	5	9
Northamptonshire	M	2,979	2,777	297	95	10	3
	F	3,011	2,884	214	87	7	3
North West Anglia	M	2,230	2,374	176	320	8	13
	F	2,252	2,386	127	261	6	11
Oxfordshire	M	2,564	2,809	166	411	6	15
	F	2,713	2,908	154	349	6	12
Suffolk	M	3,552	3,244	534	226	15	7
	F	3,741	3,486	435	180	12	5
<b>North Thames RO</b>	<b>M</b>	<b>31,895</b>	<b>32,115</b>	<b>6,057</b>	<b>6,277</b>	<b>19</b>	<b>20</b>
	<b>F</b>	<b>33,611</b>	<b>33,762</b>	<b>5,335</b>	<b>5,486</b>	<b>16</b>	<b>16</b>
Barking and Havering	M	2,113	1,992	460	339	22	17
	F	2,291	2,317	361	387	16	17
Barnet	M	1,433	1,486	382	435	27	29
	F	1,697	1,810	355	468	21	26
Brent and Harrow	M	1,866	1,545	577	256	31	17
	F	2,003	1,703	523	223	26	13
Camden and Islington	M	1,672	2,106	394	828	24	39
	F	1,490	1,933	345	788	23	41
Ealing, Hammersmith and Hounslow	M	2,951	2,779	704	532	24	19
	F	2,850	2,736	587	473	21	17
East and North Hertfordshire	M	2,098	1,783	527	212	25	12
	F	2,280	2,113	387	220	17	10
East London and The City	M	2,647	3,131	244	728	9	23
	F	2,375	2,654	219	498	9	19
Enfield and Haringey	M	2,111	1,933	522	344	25	18
	F	2,265	2,019	502	256	22	13
Hillingdon	M	1,093	1,345	152	404	14	30
	F	1,211	1,391	159	339	13	24
Kensington & Chelsea and Westminster	M	1,500	2,399	303	1,202	20	50
	F	1,411	2,035	273	897	19	44
North Essex	M	4,553	4,320	539	306	12	7
	F	4,872	4,681	470	279	10	6
Redbridge and Waltham Forest	M	2,012	2,059	346	393	17	19
	F	2,334	2,313	357	336	15	15
South Essex	M	3,547	3,344	358	155	10	5
	F	3,963	3,791	335	163	8	4
West Hertfordshire	M	2,299	1,893	549	143	24	8
	F	2,569	2,266	462	159	18	7
<b>South Thames RO</b>	<b>M</b>	<b>34,399</b>	<b>34,641</b>	<b>4,523</b>	<b>4,765</b>	<b>13</b>	<b>14</b>
	<b>F</b>	<b>39,815</b>	<b>40,013</b>	<b>4,120</b>	<b>4,318</b>	<b>10</b>	<b>11</b>
Bexley and Greenwich	M	2,072	1,853	441	222	21	12
	F	2,285	2,064	421	200	18	10
Bromley	M	1,427	1,476	299	348	21	24
	F	1,637	1,713	269	345	16	20
Croydon	M	1,420	1,201	335	116	24	10
	F	1,591	1,398	301	108	19	8
East Kent	M	3,701	3,695	136	130	4	4
	F	4,146	4,155	113	122	3	3
East Surrey	M	2,077	1,988	409	320	20	16
	F	2,455	2,481	332	358	14	14
East Sussex, Brighton and Hove	M	4,586	4,481	321	216	7	5
	F	5,738	5,601	319	182	6	3

**Table 16a External causes - continued** **England and Wales, England, Wales,  
regional offices and health authorities**

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>Anglia and Oxford RO</b>	<b>M</b>	<b>1,021</b>	<b>1,054</b>	<b>199</b>	<b>232</b>	<b>19</b>	<b>22</b>
	<b>F</b>	<b>607</b>	<b>608</b>	<b>84</b>	<b>85</b>	<b>14</b>	<b>14</b>
Bedfordshire	M	113	101	32	20	28	20
	F	56	51	9	4	16	8
Berkshire	M	156	134	39	17	25	13
	F	95	86	15	6	16	7
Buckinghamshire	M	109	122	22	35	20	29
	F	84	81	10	7	12	9
Cambridge and Huntingdon	M	77	121	6	50	8	41
	F	59	78	3	22	5	28
East Norfolk	M	117	118	18	19	15	16
	F	68	70	6	8	9	11
Northamptonshire	M	121	122	17	18	14	15
	F	65	63	9	7	14	11
North West Anglia	M	85	84	20	19	24	23
	F	58	58	10	10	17	17
Oxfordshire	M	105	124	17	36	16	29
	F	53	62	6	15	11	24
Suffolk	M	138	128	28	18	20	14
	F	69	59	16	6	23	10
<b>North Thames RO</b>	<b>M</b>	<b>1,226</b>	<b>1,199</b>	<b>371</b>	<b>344</b>	<b>30</b>	<b>29</b>
	<b>F</b>	<b>655</b>	<b>649</b>	<b>149</b>	<b>143</b>	<b>23</b>	<b>22</b>
Barking and Havering	M	50	43	22	15	44	35
	F	37	44	6	13	16	30
Barnet	M	48	35	23	10	48	29
	F	20	18	10	8	50	44
Brent and Harrow	M	79	66	29	16	37	24
	F	41	35	10	4	24	11
Camden and Islington	M	105	152	23	70	22	46
	F	47	66	13	32	28	48
Ealing, Hammersmith and Hounslow	M	130	122	37	29	28	24
	F	59	56	19	16	32	29
East and North Hertfordshire	M	73	67	22	16	30	24
	F	40	36	9	5	23	14
East London and The City	M	114	147	32	65	28	44
	F	46	61	6	21	13	34
Enfield and Haringey	M	71	63	25	17	35	27
	F	42	33	15	6	36	18
Hillingdon	M	47	47	16	16	34	34
	F	18	22	3	7	17	32
Kensington & Chelsea and Westminster	M	82	75	32	25	39	33
	F	43	45	11	13	26	29
North Essex	M	148	127	38	17	26	13
	F	83	78	11	6	13	8
Redbridge and Waltham Forest	M	65	59	19	13	29	22
	F	62	50	14	2	23	4
South Essex	M	109	106	19	16	17	15
	F	52	52	8	8	15	15
West Hertfordshire	M	105	90	34	19	32	21
	F	65	53	14	2	22	4
<b>South Thames RO</b>	<b>M</b>	<b>1,233</b>	<b>1,226</b>	<b>290</b>	<b>283</b>	<b>24</b>	<b>23</b>
	<b>F</b>	<b>740</b>	<b>735</b>	<b>130</b>	<b>125</b>	<b>18</b>	<b>17</b>
Bexley and Greenwich	M	60	50	23	13	38	26
	F	32	28	9	5	28	18
Bromley	M	29	17	15	3	52	18
	F	20	12	9	1	45	8
Croydon	M	56	42	24	10	43	24
	F	19	20	3	4	16	20
East Kent	M	129	126	13	10	10	8
	F	100	97	7	4	7	4
East Surrey	M	67	60	22	15	33	25
	F	37	30	8	1	22	3
East Sussex, Brighton and Hove	M	153	163	23	33	15	20
	F	131	123	17	9	13	7

Table 16a All causes - continued

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
Kingston and Richmond	M	1,399	1,049	565	215	40	20
	F	1,680	1,244	647	211	39	17
Lambeth, Southwark and Lewisham	M	3,377	3,783	578	984	17	26
	F	3,216	3,499	450	733	14	21
Merton, Sutton and Wandsworth	M	2,736	2,964	494	722	18	24
	F	3,235	3,360	457	582	14	17
West Kent	M	4,520	4,618	336	434	7	9
	F	5,093	5,274	272	453	5	9
West Surrey	M	2,824	3,303	274	753	10	23
	F	3,394	3,895	235	736	7	19
West Sussex	M	4,260	4,230	335	305	8	7
	F	5,345	5,329	304	288	6	5
<b>South and West RO</b>	<b>M</b>	<b>35,064</b>	<b>34,935</b>	<b>2,865</b>	<b>2,736</b>	<b>8</b>	<b>8</b>
	<b>F</b>	<b>38,841</b>	<b>38,708</b>	<b>2,463</b>	<b>2,330</b>	<b>6</b>	<b>6</b>
Avon	M	4,800	5,300	126	626	3	12
	F	5,233	5,722	93	582	2	10
Cornwall and Isles of Scilly	M	2,856	2,677	280	101	10	4
	F	3,224	3,066	237	79	7	3
Dorset	M	4,237	4,214	262	239	6	6
	F	4,733	4,737	220	224	5	5
Gloucestershire	M	2,920	2,888	157	125	5	4
	F	3,075	3,064	142	131	5	4
Isle of Wight	M	894	908	35	49	4	5
	F	995	1,000	25	30	3	3
North and East Devon	M	2,823	2,905	113	195	4	7
	F	3,150	3,215	93	158	3	5
North and Mid Hampshire	M	2,138	1,812	546	220	26	12
	F	2,466	2,145	508	187	21	9
Portsmouth and South East Hampshire	M	2,682	2,677	165	160	6	6
	F	3,147	3,156	140	149	4	5
Somerset	M	2,718	2,619	272	173	10	7
	F	2,968	2,838	251	121	8	4
Southampton and South West Hampshire	M	2,775	2,699	358	282	13	10
	F	2,933	2,843	299	209	10	7
South and West Devon	M	3,426	3,603	146	323	4	9
	F	3,865	4,017	101	253	3	6
Wiltshire	M	2,795	2,633	405	243	14	9
	F	3,052	2,905	354	207	12	7
<b>West Midlands RO</b>	<b>M</b>	<b>27,326</b>	<b>27,601</b>	<b>3,337</b>	<b>3,612</b>	<b>12</b>	<b>13</b>
	<b>F</b>	<b>28,812</b>	<b>29,091</b>	<b>2,932</b>	<b>3,211</b>	<b>10</b>	<b>11</b>
Birmingham	M	5,231	6,097	365	1,231	7	20
	F	5,578	6,243	363	1,028	7	16
Coventry	M	1,644	1,788	78	222	5	12
	F	1,698	1,781	73	156	4	9
Dudley	M	1,560	1,636	167	243	11	15
	F	1,653	1,758	136	241	8	14
Herefordshire	M	930	940	97	107	10	11
	F	1,029	1,034	86	91	8	9
North Staffordshire	M	2,661	2,769	103	211	4	8
	F	2,630	2,727	77	174	3	6
Sandwell	M	1,700	1,254	522	76	31	6
	F	1,754	1,343	468	57	27	4
Shropshire	M	2,177	2,157	178	158	8	7
	F	2,201	2,210	144	153	7	7
Solihull	M	876	782	282	188	32	24
	F	970	877	285	192	29	22
South Staffordshire	M	2,717	2,384	652	319	24	13
	F	2,962	2,661	620	319	21	12
Walsall	M	1,305	1,195	210	100	16	8
	F	1,311	1,232	162	83	12	7
Warwickshire	M	2,527	2,457	325	255	13	10
	F	2,748	2,758	238	248	9	9
Wolverhampton	M	1,335	1,545	78	288	6	19
	F	1,329	1,530	69	270	5	18
Worcestershire	M	2,663	2,597	280	214	11	8
	F	2,949	2,937	211	199	7	7

**Table 16a External causes - continued** **England and Wales, England, Wales, regional offices and health authorities**

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
Kingston and Richmond	M	44	36	19	11	43	31
	F	37	28	17	8	46	29
Lambeth, Southwark and Lewisham	M	165	180	46	61	28	34
	F	60	79	16	35	27	44
Merton, Sutton and Wandsworth	M	91	118	24	51	26	43
	F	50	53	12	15	24	28
West Kent	M	166	156	33	23	20	15
	F	107	110	11	14	10	13
West Surrey	M	112	118	22	28	20	24
	F	71	71	14	14	20	20
West Sussex	M	161	160	26	25	16	16
	F	76	84	7	15	9	18
<b>South and West RO</b>	<b>M</b>	<b>1,317</b>	<b>1,349</b>	<b>225</b>	<b>257</b>	<b>17</b>	<b>19</b>
	<b>F</b>	<b>811</b>	<b>824</b>	<b>73</b>	<b>86</b>	<b>9</b>	<b>10</b>
Avon	M	202	246	12	56	6	23
	F	91	108	1	18	1	17
Cornwall and Isles of Scilly	M	115	116	16	17	14	15
	F	70	65	7	2	10	3
Dorset	M	152	144	26	18	17	13
	F	128	125	11	8	9	6
Gloucestershire	M	107	106	20	19	19	18
	F	80	82	5	7	6	9
Isle of Wight	M	23	26	2	5	9	19
	F	9	11	-	2	-	18
North and East Devon	M	91	98	12	19	13	19
	F	45	49	2	6	4	12
North and Mid Hampshire	M	90	83	28	21	31	25
	F	67	60	14	7	21	12
Portsmouth and South East Hampshire	M	74	69	16	11	22	16
	F	60	57	7	4	12	7
Somerset	M	122	112	23	13	19	12
	F	68	64	8	4	12	6
Southampton and South West Hampshire	M	108	114	24	30	22	26
	F	65	72	5	12	8	17
South and West Devon	M	117	123	16	22	14	18
	F	80	81	5	6	6	7
Wiltshire	M	116	112	30	26	26	23
	F	48	50	8	10	17	20
<b>West Midlands RO</b>	<b>M</b>	<b>911</b>	<b>907</b>	<b>222</b>	<b>218</b>	<b>24</b>	<b>24</b>
	<b>F</b>	<b>597</b>	<b>614</b>	<b>88</b>	<b>105</b>	<b>15</b>	<b>17</b>
Birmingham	M	186	225	29	68	16	30
	F	146	180	9	43	6	24
Coventry	M	55	49	11	5	20	10
	F	33	34	2	3	6	9
Dudley	M	34	33	7	6	21	18
	F	40	41	5	6	13	15
Herefordshire	M	40	42	9	11	23	26
	F	18	14	6	2	33	14
North Staffordshire	M	83	102	10	29	12	28
	F	57	59	4	6	7	10
Sandwell	M	52	33	21	2	40	6
	F	37	28	14	5	38	18
Shropshire	M	77	71	24	18	31	25
	F	35	35	6	6	17	17
Solihull	M	26	15	16	5	62	33
	F	23	16	8	1	35	6
South Staffordshire	M	94	74	34	14	36	19
	F	45	34	15	4	33	12
Walsall	M	39	39	9	9	23	23
	F	44	43	4	3	9	7
Warwickshire	M	91	97	19	25	21	26
	F	33	40	5	12	15	30
Wolverhampton	M	35	29	10	4	29	14
	F	22	20	5	3	23	15
Worcestershire	M	99	98	23	22	23	22
	F	64	70	5	11	8	16



Table 16a All causes - continued

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>North West RO</b>	<b>M</b>	<b>36,112</b>	<b>36,194</b>	<b>4,933</b>	<b>5,015</b>	<b>14</b>	<b>14</b>
	<b>F</b>	<b>40,010</b>	<b>40,160</b>	<b>4,425</b>	<b>4,575</b>	<b>11</b>	<b>11</b>
Bury and Rochdale	M	2,045	1,811	392	158	19	9
	F	2,291	2,033	404	146	18	7
East Lancashire	M	2,797	2,569	287	59	10	2
	F	3,100	2,900	256	56	8	2
Liverpool	M	2,787	3,822	153	1,188	5	31
	F	3,031	3,854	184	1,007	6	26
Manchester	M	2,410	3,393	284	1,267	12	37
	F	2,436	3,258	274	1,096	11	34
Morecambe Bay	M	1,753	1,797	69	113	4	6
	F	2,025	2,061	57	93	3	5
North Cheshire	M	1,609	1,585	218	194	14	12
	F	1,710	1,673	206	169	12	10
North West Lancashire	M	2,825	3,047	140	362	5	12
	F	3,341	3,548	135	342	4	10
St Helens and Knowsley	M	1,817	1,520	496	199	27	13
	F	1,777	1,600	380	203	21	13
Salford and Trafford	M	2,592	2,232	570	210	22	9
	F	2,816	2,508	484	176	17	7
Sefton	M	1,676	1,102	661	87	39	8
	F	2,052	1,467	656	71	32	5
South Cheshire	M	3,455	3,233	445	223	13	7
	F	3,804	3,698	341	235	9	6
South Lancashire	M	1,458	1,299	290	131	20	10
	F	1,676	1,560	264	148	16	9
Stockport	M	1,389	1,589	225	425	16	27
	F	1,610	1,815	206	411	13	23
West Pennine	M	2,566	2,371	309	114	12	5
	F	2,849	2,716	261	128	9	5
Wigan and Bolton	M	3,005	2,855	277	127	9	4
	F	3,230	3,110	244	124	8	4
Wirral	M	1,928	1,969	117	158	6	8
	F	2,262	2,359	73	170	3	7
<b>Wales RO</b>	<b>M</b>	<b>16,585</b>	<b>16,456</b>	<b>1,140</b>	<b>1,011</b>	<b>7</b>	<b>6</b>
	<b>F</b>	<b>18,023</b>	<b>17,814</b>	<b>1,171</b>	<b>962</b>	<b>6</b>	<b>5</b>
North Wales	M	3,901	3,872	213	184	5	5
	F	4,442	4,332	232	122	5	3
Dyfed Powys	M	2,872	2,688	333	149	12	6
	F	3,039	2,860	312	133	10	5
Morgannwg	M	2,940	3,013	134	207	5	7
	F	3,082	3,156	146	220	5	7
Bro Taf	M	3,819	4,076	129	386	3	9
	F	4,174	4,402	152	380	4	9
Gwent	M	3,053	2,807	331	85	11	3
	F	3,286	3,064	329	107	10	3

**Table 16a External causes - continued** **England and Wales, England, Wales, regional offices and health authorities**

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>North West RO</b>	<b>M</b>	<b>1,432</b>	<b>1,412</b>	<b>325</b>	<b>305</b>	<b>23</b>	<b>22</b>
	<b>F</b>	<b>776</b>	<b>761</b>	<b>152</b>	<b>137</b>	<b>20</b>	<b>18</b>
Bury and Rochdale	M	73	56	22	5	30	9
	F	28	24	6	2	21	8
East Lancashire	M	131	111	29	9	22	8
	F	54	47	10	3	19	6
Liverpool	M	101	125	22	46	22	37
	F	50	62	8	20	16	32
Manchester	M	139	183	17	61	12	33
	F	60	96	8	44	13	46
Morecambe Bay	M	75	81	11	17	15	21
	F	53	49	8	4	15	8
North Cheshire	M	63	63	16	16	25	25
	F	34	26	8	-	24	-
North West Lancashire	M	111	141	15	45	14	32
	F	87	109	6	28	7	26
St Helens and Knowsley	M	65	56	21	12	32	21
	F	43	44	7	8	16	18
Salford and Trafford	M	91	86	28	23	31	27
	F	59	42	22	5	37	12
Sefton	M	57	39	25	7	44	18
	F	37	26	14	3	38	12
South Cheshire	M	133	122	29	18	22	15
	F	67	65	6	4	9	6
South Lancashire	M	45	39	21	15	47	38
	F	31	24	10	3	32	13
Stockport	M	63	58	12	7	19	12
	F	31	27	10	6	32	22
West Pennine	M	86	76	18	8	21	11
	F	42	29	13	-	31	-
Wigan and Bolton	M	112	92	26	6	23	7
	F	63	54	12	3	19	6
Wirral	M	87	84	13	10	15	12
	F	37	37	4	4	11	11
<b>Wales RO</b>	<b>M</b>	<b>686</b>	<b>692</b>	<b>92</b>	<b>98</b>	<b>13</b>	<b>14</b>
	<b>F</b>	<b>386</b>	<b>380</b>	<b>44</b>	<b>38</b>	<b>11</b>	<b>10</b>
North Wales	M	177	182	18	23	10	13
	F	98	96	6	4	6	4
Dyfed Powys	M	110	104	26	20	24	19
	F	63	52	17	6	27	12
Morgannwg	M	139	151	14	26	10	17
	F	81	91	3	13	4	14
Bro Taf	M	154	150	20	16	13	11
	F	91	92	7	8	8	9
Gwent	M	106	105	14	13	13	12
	F	53	49	11	7	21	14

**Table 16b Deaths: area of occurrence by area of usual residence and sex, all causes and external causes of injury and poisoning, 1997\***

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>All causes</b>							
<b>England and Wales</b>	<b>M</b>	<b>263,899</b>	<b>263,899</b>	<b>30,439</b>	<b>30,439</b>	<b>12</b>	<b>12</b>
	<b>F</b>	<b>289,822</b>	<b>289,822</b>	<b>27,095</b>	<b>27,095</b>	<b>9</b>	<b>9</b>
<b>England</b>	<b>M</b>	<b>247,293</b>	<b>247,447</b>	<b>29,230</b>	<b>29,384</b>	<b>12</b>	<b>12</b>
	<b>F</b>	<b>271,788</b>	<b>271,951</b>	<b>26,048</b>	<b>26,211</b>	<b>10</b>	<b>10</b>
<b>Wales</b>	<b>M</b>	<b>16,606</b>	<b>16,452</b>	<b>1,209</b>	<b>1,055</b>	<b>7</b>	<b>6</b>
	<b>F</b>	<b>18,034</b>	<b>17,871</b>	<b>1,047</b>	<b>884</b>	<b>6</b>	<b>5</b>
<b>Northern and Yorkshire RO</b>	<b>M</b>	<b>33,614</b>	<b>33,560</b>	<b>2,946</b>	<b>2,892</b>	<b>9</b>	<b>9</b>
	<b>F</b>	<b>36,316</b>	<b>36,259</b>	<b>2,463</b>	<b>2,406</b>	<b>7</b>	<b>7</b>
Bradford	M	2,349	2,458	164	273	7	11
	F	2,589	2,713	130	254	5	9
Calderdale and Kirklees	M	2,925	2,775	258	108	9	4
	F	3,241	3,173	170	102	5	3
County Durham	M	3,511	3,067	526	82	15	3
	F	3,526	3,145	463	82	13	3
East Riding	M	3,046	2,983	207	144	7	5
	F	3,278	3,200	182	104	6	3
Gateshead and South Tyneside	M	2,097	1,883	274	60	13	3
	F	2,349	2,168	265	84	11	4
Leeds	M	3,602	3,732	331	461	9	12
	F	3,787	3,803	309	325	8	9
Newcastle and North Tyneside	M	2,589	3,188	54	653	2	20
	F	3,017	3,420	57	460	2	13
North Cumbria	M	1,726	1,692	72	38	4	2
	F	1,971	1,929	66	24	3	1
Northumberland	M	1,785	1,567	277	59	16	4
	F	1,939	1,802	193	56	10	3
North Yorkshire	M	3,968	3,786	454	272	11	7
	F	4,388	4,284	364	260	8	6
Sunderland	M	1,540	1,626	116	202	8	12
	F	1,582	1,665	99	182	6	11
Tees	M	2,856	3,112	76	332	3	11
	F	2,958	3,193	56	291	2	9
Wakefield	M	1,620	1,692	137	209	8	12
	F	1,691	1,764	109	182	6	10
<b>Trent RO</b>	<b>M</b>	<b>27,096</b>	<b>26,514</b>	<b>2,746</b>	<b>2,164</b>	<b>10</b>	<b>8</b>
	<b>F</b>	<b>28,537</b>	<b>27,959</b>	<b>2,335</b>	<b>1,757</b>	<b>8</b>	<b>6</b>
Barnsley	M	1,248	1,145	167	64	13	6
	F	1,326	1,234	135	43	10	3
Doncaster	M	1,576	1,649	121	194	8	12
	F	1,654	1,700	92	138	6	8
Leicestershire	M	4,298	4,189	386	277	9	7
	F	4,611	4,432	357	178	8	4
Lincolnshire	M	3,571	3,386	388	203	11	6
	F	3,641	3,455	335	149	9	4
North Derbyshire	M	2,025	1,705	387	67	19	4
	F	2,286	2,000	360	74	16	4
North Nottinghamshire	M	2,116	2,177	219	280	10	13
	F	2,109	2,184	182	257	9	12
Nottingham	M	3,331	3,562	146	377	4	11
	F	3,362	3,558	115	311	3	9
Rotherham	M	1,335	1,203	211	79	16	7
	F	1,431	1,309	198	76	14	6
Sheffield	M	2,966	3,210	125	369	4	11
	F	3,328	3,531	123	326	4	9
Southern Derbyshire	M	2,868	2,538	449	119	16	5
	F	3,026	2,756	358	88	12	3
South Humber	M	1,762	1,750	147	135	8	8
	F	1,763	1,800	80	117	5	7

\* See section 2.5 for more details.

England and Wales, England, Wales,  
regional offices and health authorities

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>External causes E800-E999</b>							
<b>England and Wales</b>	<b>M</b>	<b>10,238</b>	<b>10,238</b>	<b>2,184</b>	<b>2,184</b>	<b>21</b>	<b>21</b>
	<b>F</b>	<b>5,929</b>	<b>5,929</b>	<b>961</b>	<b>961</b>	<b>16</b>	<b>16</b>
<b>England</b>	<b>M</b>	<b>9,611</b>	<b>9,598</b>	<b>2,089</b>	<b>2,076</b>	<b>22</b>	<b>22</b>
	<b>F</b>	<b>5,486</b>	<b>5,486</b>	<b>916</b>	<b>916</b>	<b>17</b>	<b>17</b>
<b>Wales</b>	<b>M</b>	<b>627</b>	<b>640</b>	<b>95</b>	<b>108</b>	<b>15</b>	<b>17</b>
	<b>F</b>	<b>443</b>	<b>443</b>	<b>45</b>	<b>45</b>	<b>10</b>	<b>10</b>
<b>Northern and Yorkshire RO</b>	<b>M</b>	<b>1,323</b>	<b>1,337</b>	<b>255</b>	<b>269</b>	<b>19</b>	<b>20</b>
	<b>F</b>	<b>686</b>	<b>697</b>	<b>99</b>	<b>110</b>	<b>14</b>	<b>16</b>
Bradford	M	96	84	23	11	24	13
	F	53	52	7	6	13	12
Calderdale and Kirklees	M	124	100	32	8	26	8
	F	52	43	12	3	23	7
County Durham	M	128	104	36	12	28	12
	F	60	49	15	4	25	8
East Riding	M	113	112	18	17	16	15
	F	66	69	4	7	6	10
Gateshead and South Tyneside	M	71	66	15	10	21	15
	F	47	41	8	2	17	5
Leeds	M	176	214	17	55	10	26
	F	70	87	11	28	16	32
Newcastle and North Tyneside	M	87	116	16	45	18	39
	F	63	75	5	17	8	23
North Cumbria	M	91	91	12	12	13	13
	F	39	38	3	2	8	5
Northumberland	M	52	56	11	15	21	27
	F	38	42	-	4	-	10
North Yorkshire	M	161	165	30	34	19	21
	F	94	90	19	15	20	17
Sunderland	M	67	61	17	11	25	18
	F	32	32	4	4	13	13
Tees	M	98	103	14	19	14	18
	F	52	54	6	8	12	15
Wakefield	M	59	65	14	20	24	31
	F	20	25	5	10	25	40
<b>Trent RO</b>	<b>M</b>	<b>1,011</b>	<b>981</b>	<b>213</b>	<b>183</b>	<b>21</b>	<b>19</b>
	<b>F</b>	<b>565</b>	<b>552</b>	<b>84</b>	<b>71</b>	<b>15</b>	<b>13</b>
Barnsley	M	49	38	13	2	27	5
	F	15	13	5	3	33	23
Doncaster	M	56	51	14	9	25	18
	F	29	34	3	8	10	24
Leicestershire	M	175	168	39	32	22	19
	F	87	84	9	6	10	7
Lincolnshire	M	110	113	19	22	17	19
	F	82	73	14	5	17	7
North Derbyshire	M	81	71	23	13	28	18
	F	58	57	9	8	16	14
North Nottinghamshire	M	87	93	14	20	16	22
	F	49	53	7	11	14	21
Nottingham	M	127	146	21	40	17	27
	F	89	93	11	15	12	16
Rotherham	M	43	39	9	5	21	13
	F	19	12	10	3	53	25
Sheffield	M	94	108	9	23	10	21
	F	47	51	6	10	13	20
Southern Derbyshire	M	109	92	28	11	26	12
	F	63	57	7	1	11	2
South Humber	M	80	62	24	6	30	10
	F	27	25	3	1	11	4

Table 16b All causes - continued

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>Anglia and Oxford RO</b>	<b>M</b>	<b>24,214</b>	<b>24,346</b>	<b>2,475</b>	<b>2,607</b>	<b>10</b>	<b>11</b>
	<b>F</b>	<b>26,516</b>	<b>26,730</b>	<b>2,164</b>	<b>2,378</b>	<b>8</b>	<b>9</b>
Bedfordshire	M	2,380	2,197	290	107	12	5
	F	2,489	2,352	246	109	10	5
Berkshire	M	3,023	3,023	325	325	11	11
	F	3,413	3,484	289	360	8	10
Buckinghamshire	M	2,628	2,440	424	236	16	10
	F	2,924	2,753	380	209	13	8
Cambridge and Huntingdon	M	1,877	2,225	130	478	7	21
	F	2,021	2,288	120	387	6	17
East Norfolk	M	3,388	3,658	187	457	6	12
	F	3,615	3,819	162	366	4	10
Northamptonshire	M	2,845	2,657	283	95	10	4
	F	3,022	2,884	222	84	7	3
North West Anglia	M	2,151	2,299	153	301	7	13
	F	2,342	2,489	149	296	6	12
Oxfordshire	M	2,408	2,670	140	402	6	15
	F	2,811	3,032	158	379	6	13
Suffolk	M	3,514	3,177	543	206	15	6
	F	3,879	3,629	438	188	11	5
<b>North Thames RO</b>	<b>M</b>	<b>30,924</b>	<b>31,074</b>	<b>5,650</b>	<b>5,800</b>	<b>18</b>	<b>19</b>
	<b>F</b>	<b>33,228</b>	<b>33,309</b>	<b>5,235</b>	<b>5,316</b>	<b>16</b>	<b>16</b>
Barking and Havering	M	2,035	1,884	441	290	22	15
	F	2,100	2,126	312	338	15	16
Barnet	M	1,308	1,156	453	301	35	26
	F	1,806	1,609	527	330	29	21
Brent and Harrow	M	1,943	1,640	539	236	28	14
	F	1,998	1,788	448	238	22	13
Camden and Islington	M	1,533	2,046	325	838	21	41
	F	1,515	1,965	367	817	24	42
Ealing, Hammersmith and Hounslow	M	2,674	2,550	597	473	22	19
	F	2,852	2,742	564	454	20	17
East and North Hertfordshire	M	2,162	1,915	463	216	21	11
	F	2,346	2,191	400	245	17	11
East London and The City	M	2,694	3,119	243	668	9	21
	F	2,313	2,572	200	459	9	18
Enfield and Haringey	M	1,953	1,833	438	318	22	17
	F	2,125	2,035	408	318	19	16
Hillingdon	M	1,063	1,290	142	369	13	29
	F	1,164	1,341	149	326	13	24
Kensington & Chelsea and Westminster	M	1,383	2,195	283	1,095	20	50
	F	1,455	2,020	294	859	20	43
North Essex	M	4,433	4,230	514	311	12	7
	F	4,949	4,739	474	264	10	6
Redbridge and Waltham Forest	M	2,030	2,049	348	367	17	18
	F	2,257	2,259	344	346	15	15
South Essex	M	3,439	3,246	358	165	10	5
	F	3,795	3,627	299	131	8	4
West Hertfordshire	M	2,274	1,921	506	153	22	8
	F	2,553	2,295	449	191	18	8
<b>South Thames RO</b>	<b>M</b>	<b>33,600</b>	<b>33,957</b>	<b>4,207</b>	<b>4,564</b>	<b>13</b>	<b>13</b>
	<b>F</b>	<b>39,539</b>	<b>39,803</b>	<b>3,948</b>	<b>4,212</b>	<b>10</b>	<b>11</b>
Bexley and Greenwich	M	2,014	1,809	424	219	21	12
	F	2,231	2,039	409	217	18	11
Bromley	M	1,338	1,473	286	421	21	29
	F	1,634	1,723	289	378	18	22
Croydon	M	1,303	1,098	300	95	23	9
	F	1,530	1,334	284	88	19	7
East Kent	M	3,657	3,643	133	119	4	3
	F	4,194	4,198	115	119	3	3
East Surrey	M	2,082	2,014	365	297	18	15
	F	2,504	2,476	332	304	13	12
East Sussex, Brighton and Hove	M	4,526	4,426	314	214	7	5
	F	5,788	5,651	309	172	5	3

**Table 16b External causes - continued** **England and Wales, England, Wales,  
regional offices and health authorities**

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>Anglia and Oxford RO</b>	<b>M</b>	<b>1,050</b>	<b>1,060</b>	<b>199</b>	<b>209</b>	<b>19</b>	<b>20</b>
	<b>F</b>	<b>622</b>	<b>640</b>	<b>84</b>	<b>102</b>	<b>14</b>	<b>16</b>
Bedfordshire	M	113	102	23	12	20	12
	F	71	57	16	2	23	4
Berkshire	M	135	113	39	17	29	15
	F	91	92	12	13	13	14
Buckinghamshire	M	138	138	31	31	22	22
	F	84	90	8	14	10	16
Cambridge and Huntingdon	M	95	127	7	39	7	31
	F	54	70	2	18	4	26
East Norfolk	M	118	123	14	19	12	15
	F	60	68	7	15	12	22
Northamptonshire	M	143	139	25	21	17	15
	F	81	75	7	1	9	1
North West Anglia	M	73	75	14	16	19	21
	F	63	74	8	19	13	26
Oxfordshire	M	112	133	15	36	13	27
	F	46	57	3	14	7	25
Suffolk	M	123	110	31	18	25	16
	F	72	57	21	6	29	11
<b>North Thames RO</b>	<b>M</b>	<b>1,298</b>	<b>1,310</b>	<b>368</b>	<b>380</b>	<b>28</b>	<b>29</b>
	<b>F</b>	<b>736</b>	<b>721</b>	<b>170</b>	<b>155</b>	<b>23</b>	<b>21</b>
Barking and Havering	M	75	62	30	17	40	27
	F	49	55	11	17	22	31
Barnet	M	42	36	19	13	45	36
	F	34	30	10	6	29	20
Brent and Harrow	M	91	70	33	12	36	17
	F	42	38	10	6	24	16
Camden and Islington	M	109	174	15	80	14	46
	F	54	71	12	29	22	41
Ealing, Hammersmith and Hounslow	M	137	144	36	43	26	30
	F	84	86	15	17	18	20
East and North Hertfordshire	M	80	63	26	9	33	14
	F	49	40	14	5	29	13
East London and The City	M	134	166	39	71	29	43
	F	60	60	17	17	28	28
Enfield and Haringey	M	74	55	29	10	39	18
	F	49	34	17	2	35	6
Hillingdon	M	40	42	15	17	38	40
	F	13	16	6	9	46	56
Kensington & Chelsea and Westminster	M	67	78	27	38	40	49
	F	43	50	9	16	21	32
North Essex	M	158	155	29	26	18	17
	F	92	85	15	8	16	9
Redbridge and Waltham Forest	M	80	62	31	13	39	21
	F	58	55	14	11	24	20
South Essex	M	124	121	20	17	16	14
	F	57	57	7	7	12	12
West Hertfordshire	M	87	82	19	14	22	17
	F	52	44	13	5	25	11
<b>South Thames RO</b>	<b>M</b>	<b>1,263</b>	<b>1,256</b>	<b>302</b>	<b>295</b>	<b>24</b>	<b>23</b>
	<b>F</b>	<b>754</b>	<b>750</b>	<b>127</b>	<b>123</b>	<b>17</b>	<b>16</b>
Bexley and Greenwich	M	75	52	33	10	44	19
	F	38	25	15	2	39	8
Bromley	M	43	32	22	11	51	34
	F	20	17	8	5	40	29
Croydon	M	43	31	16	4	37	13
	F	29	27	7	5	24	19
East Kent	M	129	125	15	11	12	9
	F	102	93	11	2	11	2
East Surrey	M	57	68	16	27	28	40
	F	37	32	9	4	24	13
East Sussex, Brighton and Hove	M	187	184	29	26	16	14
	F	157	158	7	8	4	5

Table 16b All causes - continued

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
Kingston and Richmond	M	1,382	1,056	534	208	39	20
	F	1,603	1,290	533	220	33	17
Lambeth, Southwark and Lewisham	M	3,131	3,542	496	907	16	26
	F	3,217	3,488	469	740	15	21
Merton, Sutton and Wandsworth	M	2,683	2,854	450	621	17	22
	F	3,199	3,262	441	504	14	15
West Kent	M	4,447	4,578	326	457	7	10
	F	5,109	5,311	258	460	5	9
West Surrey	M	2,822	3,304	261	743	9	22
	F	3,333	3,828	237	732	7	19
West Sussex	M	4,215	4,160	318	263	8	6
	F	5,197	5,203	272	278	5	5
<b>South and West RO</b>	<b>M</b>	<b>34,964</b>	<b>34,852</b>	<b>2,862</b>	<b>2,750</b>	<b>8</b>	<b>8</b>
	<b>F</b>	<b>39,633</b>	<b>39,447</b>	<b>2,616</b>	<b>2,430</b>	<b>7</b>	<b>6</b>
Avon	M	4,756	5,304	100	648	2	12
	F	5,346	5,858	91	603	2	10
Cornwall and Isles of Scilly	M	2,915	2,737	303	125	10	5
	F	3,232	3,048	252	68	8	2
Dorset	M	4,182	4,154	285	257	7	6
	F	4,864	4,857	230	223	5	5
Gloucestershire	M	2,787	2,778	141	132	5	5
	F	3,189	3,182	142	135	4	4
Isle of Wight	M	841	860	26	45	3	5
	F	1,000	1,003	21	24	2	2
North and East Devon	M	2,809	2,878	94	163	3	6
	F	3,224	3,259	101	136	3	4
North and Mid Hampshire	M	2,261	1,888	575	202	25	11
	F	2,520	2,169	569	218	23	10
Portsmouth and South East Hampshire	M	2,818	2,798	170	150	6	5
	F	3,201	3,190	140	129	4	4
Somerset	M	2,761	2,663	296	198	11	7
	F	3,072	2,973	251	152	8	5
Southampton and South West Hampshire	M	2,703	2,644	328	269	12	10
	F	2,992	2,939	304	251	10	9
South and West Devon	M	3,423	3,654	122	353	4	10
	F	3,865	4,034	101	270	3	7
Wiltshire	M	2,708	2,494	422	208	16	8
	F	3,128	2,935	414	221	13	8
<b>West Midlands RO</b>	<b>M</b>	<b>27,482</b>	<b>27,652</b>	<b>3,491</b>	<b>3,661</b>	<b>13</b>	<b>13</b>
	<b>F</b>	<b>28,348</b>	<b>28,662</b>	<b>2,968</b>	<b>3,282</b>	<b>10</b>	<b>11</b>
Birmingham	M	5,094	6,031	361	1,298	7	22
	F	5,217	5,936	340	1,059	7	18
Coventry	M	1,714	1,858	95	239	6	13
	F	1,715	1,822	84	191	5	10
Dudley	M	1,585	1,652	173	240	11	15
	F	1,724	1,797	169	242	10	13
Herefordshire	M	982	956	109	83	11	9
	F	969	992	63	86	7	9
North Staffordshire	M	2,596	2,695	79	178	3	7
	F	2,684	2,820	64	200	2	7
Sandwell	M	1,698	1,261	531	94	31	7
	F	1,676	1,264	476	64	28	5
Shropshire	M	2,147	2,103	191	147	9	7
	F	2,199	2,175	150	126	7	6
Solihull	M	948	771	355	178	37	23
	F	968	832	308	172	32	21
South Staffordshire	M	2,684	2,327	669	312	25	13
	F	2,888	2,612	604	328	21	13
Walsall	M	1,342	1,251	215	124	16	10
	F	1,288	1,222	155	89	12	7
Warwickshire	M	2,645	2,532	367	254	14	10
	F	2,685	2,661	266	242	10	9
Wolverhampton	M	1,407	1,624	80	297	6	18
	F	1,353	1,550	80	277	6	18
Worcestershire	M	2,640	2,591	266	217	10	8
	F	2,982	2,979	209	206	7	7



**Table 16b External causes - continued** **England and Wales, England, Wales, regional offices and health authorities**

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
Kingston and Richmond	M	46	31	24	9	52	29
	F	36	29	13	6	36	21
Lambeth, Southwark and Lewisham	M	155	174	34	53	22	30
	F	57	85	10	38	18	45
Merton, Sutton and Wandsworth	M	105	113	32	40	30	35
	F	45	47	15	17	33	36
West Kent	M	170	174	29	33	17	19
	F	83	82	11	10	13	12
West Surrey	M	112	139	23	50	21	36
	F	61	72	8	19	13	26
West Sussex	M	141	133	29	21	21	16
	F	89	83	13	7	15	8
<b>South and West RO</b>	<b>M</b>	<b>1,241</b>	<b>1,291</b>	<b>190</b>	<b>240</b>	<b>15</b>	<b>19</b>
	<b>F</b>	<b>796</b>	<b>802</b>	<b>102</b>	<b>108</b>	<b>13</b>	<b>13</b>
Avon	M	172	206	9	43	5	21
	F	70	86	10	26	14	30
Cornwall and Isles of Scilly	M	120	121	22	23	18	19
	F	57	53	9	5	16	9
Dorset	M	151	138	29	16	19	12
	F	128	118	15	5	12	4
Gloucestershire	M	111	110	17	16	15	15
	F	77	72	10	5	13	7
Isle of Wight	M	17	20	1	4	6	20
	F	12	14	-	2	-	14
North and East Devon	M	105	107	13	15	12	14
	F	59	54	7	2	12	4
North and Mid Hampshire	M	91	72	37	18	41	25
	F	60	51	15	6	25	12
Portsmouth and South East Hampshire	M	64	74	8	18	13	24
	F	69	71	6	8	9	11
Somerset	M	110	108	18	16	16	15
	F	59	63	4	8	7	13
Southampton and South West Hampshire	M	93	101	13	21	14	21
	F	72	79	9	16	13	20
South and West Devon	M	108	132	6	30	6	23
	F	81	88	6	13	7	15
Wiltshire	M	99	102	17	20	17	20
	F	52	53	11	12	21	23
<b>West Midlands RO</b>	<b>M</b>	<b>1,006</b>	<b>977</b>	<b>238</b>	<b>209</b>	<b>24</b>	<b>21</b>
	<b>F</b>	<b>529</b>	<b>554</b>	<b>101</b>	<b>126</b>	<b>19</b>	<b>23</b>
Birmingham	M	207	254	21	68	10	27
	F	132	173	12	53	9	31
Coventry	M	56	55	10	9	18	16
	F	23	23	3	3	13	13
Dudley	M	55	47	18	10	33	21
	F	29	30	5	6	17	20
Herefordshire	M	43	40	13	10	30	25
	F	24	22	5	3	21	14
North Staffordshire	M	95	104	13	22	14	21
	F	61	69	5	13	8	19
Sandwell	M	46	30	21	5	46	17
	F	27	16	12	1	44	6
Shropshire	M	79	78	19	18	24	23
	F	27	27	9	9	33	33
Solihull	M	34	11	24	1	71	9
	F	17	8	11	2	65	25
South Staffordshire	M	101	81	32	12	32	15
	F	42	34	16	8	38	24
Walsall	M	37	39	5	7	14	18
	F	37	37	5	5	14	14
Warwickshire	M	92	93	25	26	27	28
	F	35	42	5	12	14	29
Wolverhampton	M	45	38	9	2	20	5
	F	21	18	4	1	19	6
Worcestershire	M	116	107	28	19	24	18
	F	54	55	9	10	17	18

Table 16b All causes - continued

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>North West RO</b>	<b>M</b>	<b>35,399</b>	<b>35,491</b>	<b>4,853</b>	<b>4,945</b>	<b>14</b>	<b>14</b>
	<b>F</b>	<b>39,671</b>	<b>39,782</b>	<b>4,319</b>	<b>4,430</b>	<b>11</b>	<b>11</b>
Bury and Rochdale	M	2,006	1,753	425	172	21	10
	F	2,267	2,070	352	155	16	7
East Lancashire	M	2,922	2,675	294	47	10	2
	F	3,224	3,015	268	59	8	2
Liverpool	M	2,671	3,621	166	1,116	6	31
	F	2,932	3,693	215	976	7	26
Manchester	M	2,413	3,493	248	1,328	10	38
	F	2,443	3,271	226	1,054	9	32
Morecambe Bay	M	1,737	1,784	69	116	4	7
	F	1,985	2,036	45	96	2	5
North Cheshire	M	1,521	1,452	252	183	17	13
	F	1,638	1,569	209	140	13	9
North West Lancashire	M	2,871	3,098	128	355	4	11
	F	3,456	3,583	140	267	4	7
St Helens and Knowsley	M	1,696	1,499	438	241	26	16
	F	1,871	1,749	379	257	20	15
Salford and Trafford	M	2,461	2,119	527	185	21	9
	F	2,818	2,513	480	175	17	7
Sefton	M	1,660	1,061	694	95	42	9
	F	2,119	1,557	651	89	31	6
South Cheshire	M	3,315	3,112	435	232	13	7
	F	3,555	3,390	379	214	11	6
South Lancashire	M	1,542	1,375	308	141	20	10
	F	1,681	1,579	258	156	15	10
Stockport	M	1,398	1,501	250	353	18	24
	F	1,620	1,749	228	357	14	20
West Pennine	M	2,551	2,354	305	108	12	5
	F	2,659	2,535	222	98	8	4
Wigan and Bolton	M	2,837	2,725	237	125	8	5
	F	3,245	3,199	210	164	6	5
Wirral	M	1,798	1,869	77	148	4	8
	F	2,158	2,274	57	173	3	8
<b>Wales RO</b>	<b>M</b>	<b>16,606</b>	<b>16,452</b>	<b>1,209</b>	<b>1,055</b>	<b>7</b>	<b>6</b>
	<b>F</b>	<b>18,034</b>	<b>17,871</b>	<b>1,047</b>	<b>884</b>	<b>6</b>	<b>5</b>
North Wales	M	3,807	3,731	238	162	6	4
	F	4,317	4,214	222	119	5	3
Dyfed Powys	M	2,873	2,668	347	142	12	5
	F	3,018	2,875	272	129	9	4
Morgannwg	M	3,014	3,120	148	254	5	8
	F	3,136	3,217	123	204	4	6
Bro Taf	M	3,834	4,085	148	399	4	10
	F	4,240	4,446	139	345	3	8
Gwent	M	3,078	2,848	328	98	11	3
	F	3,323	3,119	291	87	9	3

**Table 16b External causes - continued** **England and Wales, England, Wales, regional offices and health authorities**

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>North West RO</b>	<b>M</b>	<b>1,419</b>	<b>1,386</b>	<b>324</b>	<b>291</b>	<b>23</b>	<b>21</b>
	<b>F</b>	<b>798</b>	<b>770</b>	<b>149</b>	<b>121</b>	<b>19</b>	<b>16</b>
Bury and Rochdale	M	93	81	24	12	26	15
	F	42	37	11	6	26	16
East Lancashire	M	130	119	20	9	15	8
	F	65	50	16	1	25	2
Liverpool	M	89	111	15	37	17	33
	F	51	66	8	23	16	35
Manchester	M	139	184	16	61	12	33
	F	57	93	1	37	2	40
Morecambe Bay	M	79	79	13	13	16	16
	F	39	40	3	4	8	10
North Cheshire	M	49	37	19	7	39	19
	F	25	15	11	1	44	7
North West Lancashire	M	124	144	12	32	10	22
	F	82	93	2	13	2	14
St Helens and Knowsley	M	62	63	21	22	34	35
	F	34	39	7	12	21	31
Salford and Trafford	M	80	65	30	15	38	23
	F	46	43	9	6	20	14
Sefton	M	45	30	22	7	49	23
	F	40	28	14	2	35	7
South Cheshire	M	124	124	32	32	26	26
	F	80	68	16	4	20	6
South Lancashire	M	70	65	18	13	26	20
	F	56	43	14	1	25	2
Stockport	M	46	36	19	9	41	25
	F	34	23	12	1	35	4
West Pennine	M	116	101	22	7	19	7
	F	40	32	11	3	28	9
Wigan and Bolton	M	108	92	26	10	24	11
	F	76	73	9	6	12	8
Wirral	M	65	55	15	5	23	9
	F	31	27	5	1	16	4
<b>Wales RO</b>	<b>M</b>	<b>627</b>	<b>640</b>	<b>95</b>	<b>108</b>	<b>15</b>	<b>17</b>
	<b>F</b>	<b>443</b>	<b>443</b>	<b>45</b>	<b>45</b>	<b>10</b>	<b>10</b>
North Wales	M	163	176	21	34	13	19
	F	118	119	7	8	6	7
Dyfed Powys	M	109	101	24	16	22	16
	F	72	71	9	8	13	11
Morgannwg	M	98	123	7	32	7	26
	F	77	84	7	14	9	17
Bro Taf	M	160	152	26	18	16	12
	F	121	126	9	14	7	11
Gwent	M	97	88	17	8	18	9
	F	55	43	13	1	24	2

**Table 16c Deaths: area of occurrence by area of usual residence and sex, all causes and external causes of injury and poisoning, 1998 \***

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>All causes</b>							
<b>England and Wales</b>	<b>M</b>	<b>263,825</b>	<b>263,825</b>	<b>30,161</b>	<b>30,161</b>	<b>11</b>	<b>11</b>
	<b>F</b>	<b>289,761</b>	<b>289,761</b>	<b>26,982</b>	<b>26,982</b>	<b>9</b>	<b>9</b>
<b>England</b>	<b>M</b>	<b>247,673</b>	<b>247,854</b>	<b>28,983</b>	<b>29,164</b>	<b>12</b>	<b>12</b>
	<b>F</b>	<b>271,931</b>	<b>272,110</b>	<b>25,888</b>	<b>26,067</b>	<b>10</b>	<b>10</b>
<b>Wales</b>	<b>M</b>	<b>16,152</b>	<b>15,971</b>	<b>1,178</b>	<b>997</b>	<b>7</b>	<b>6</b>
	<b>F</b>	<b>17,830</b>	<b>17,651</b>	<b>1,094</b>	<b>915</b>	<b>6</b>	<b>5</b>
<b>Northern and Yorkshire RO</b>	<b>M</b>	<b>33,993</b>	<b>34,048</b>	<b>2,945</b>	<b>3,000</b>	<b>9</b>	<b>9</b>
	<b>F</b>	<b>37,556</b>	<b>37,602</b>	<b>2,558</b>	<b>2,604</b>	<b>7</b>	<b>7</b>
Bradford	M	2,444	2,570	151	277	6	11
	F	2,698	2,828	157	287	6	10
Calderdale and Kirklees	M	2,921	2,784	238	101	8	4
	F	3,395	3,320	189	114	6	3
County Durham	M	3,402	2,932	553	83	16	3
	F	3,811	3,402	487	78	13	2
East Riding	M	3,102	3,077	184	159	6	5
	F	3,514	3,458	173	117	5	3
Gateshead and South Tyneside	M	2,189	1,976	302	89	14	5
	F	2,346	2,174	239	67	10	3
Leeds	M	3,476	3,617	303	444	9	12
	F	3,846	3,939	304	397	8	10
Newcastle and North Tyneside	M	2,691	3,310	63	682	2	21
	F	3,046	3,505	61	520	2	15
North Cumbria	M	1,815	1,777	78	40	4	2
	F	1,991	1,949	67	25	3	1
Northumberland	M	1,855	1,648	284	77	15	5
	F	1,958	1,792	232	66	12	4
North Yorkshire	M	3,941	3,797	436	292	11	8
	F	4,543	4,398	394	249	9	6
Sunderland	M	1,652	1,721	131	200	8	12
	F	1,732	1,841	83	192	5	10
Tees	M	2,832	3,097	75	340	3	11
	F	2,977	3,213	49	285	2	9
Wakefield	M	1,673	1,742	147	216	9	12
	F	1,699	1,783	123	207	7	12
<b>Trent RO</b>	<b>M</b>	<b>27,537</b>	<b>26,820</b>	<b>2,660</b>	<b>1,943</b>	<b>10</b>	<b>7</b>
	<b>F</b>	<b>28,999</b>	<b>28,401</b>	<b>2,302</b>	<b>1,704</b>	<b>8</b>	<b>6</b>
Barnsley	M	1,350	1,245	154	49	11	4
	F	1,406	1,307	147	48	10	4
Doncaster	M	1,648	1,679	89	120	5	7
	F	1,728	1,754	100	126	6	7
Leicestershire	M	4,317	4,139	388	210	9	5
	F	4,634	4,431	352	149	8	3
Lincolnshire	M	3,737	3,537	391	191	10	5
	F	3,844	3,693	293	142	8	4
North Derbyshire	M	2,102	1,773	390	61	19	3
	F	2,318	2,010	356	48	15	2
North Nottinghamshire	M	2,209	2,229	235	255	11	11
	F	2,214	2,305	183	274	8	12
Nottingham	M	3,302	3,537	149	384	5	11
	F	3,442	3,649	118	325	3	9
Rotherham	M	1,282	1,170	182	70	14	6
	F	1,403	1,294	187	78	13	6
Sheffield	M	2,894	3,148	107	361	4	11
	F	3,192	3,408	100	316	3	9
Southern Derbyshire	M	2,950	2,611	453	114	15	4
	F	3,066	2,788	373	95	12	3
South Humber	M	1,746	1,752	122	128	7	7
	F	1,752	1,762	93	103	5	6

\* See section 2.5 for more details.

England and Wales, England, Wales,  
regional offices and health authorities

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>External causes E800-E999</b>							
<b>England and Wales</b>	<b>M</b>	<b>10,247</b>	<b>10,247</b>	<b>2,103</b>	<b>2,103</b>	<b>21</b>	<b>21</b>
	<b>F</b>	<b>5,834</b>	<b>5,834</b>	<b>891</b>	<b>891</b>	<b>15</b>	<b>15</b>
<b>England</b>	<b>M</b>	<b>9,553</b>	<b>9,540</b>	<b>2,002</b>	<b>1,989</b>	<b>21</b>	<b>21</b>
	<b>F</b>	<b>5,409</b>	<b>5,408</b>	<b>854</b>	<b>853</b>	<b>16</b>	<b>16</b>
<b>Wales</b>	<b>M</b>	<b>694</b>	<b>707</b>	<b>101</b>	<b>114</b>	<b>15</b>	<b>16</b>
	<b>F</b>	<b>425</b>	<b>426</b>	<b>37</b>	<b>38</b>	<b>9</b>	<b>9</b>
<b>Northern and Yorkshire RO</b>	<b>M</b>	<b>1,255</b>	<b>1,266</b>	<b>240</b>	<b>251</b>	<b>19</b>	<b>20</b>
	<b>F</b>	<b>683</b>	<b>706</b>	<b>103</b>	<b>126</b>	<b>15</b>	<b>18</b>
Bradford	M	100	91	19	10	19	11
	F	46	39	12	5	26	13
Calderdale and Kirklees	M	107	90	25	8	23	9
	F	48	37	14	3	29	8
County Durham	M	129	112	27	10	21	9
	F	70	64	12	6	17	9
East Riding	M	98	106	16	24	16	23
	F	83	84	6	7	7	8
Gateshead and South Tyneside	M	63	50	21	8	33	16
	F	47	42	6	1	13	2
Leeds	M	142	168	24	50	17	30
	F	64	93	10	39	16	42
Newcastle and North Tyneside	M	73	102	8	37	11	36
	F	67	81	3	17	4	21
North Cumbria	M	91	87	12	8	13	9
	F	35	35	3	3	9	9
Northumberland	M	71	77	13	19	18	25
	F	43	38	8	3	19	8
North Yorkshire	M	159	178	25	44	16	25
	F	84	86	16	18	19	21
Sunderland	M	55	46	14	5	25	11
	F	33	36	3	6	9	17
Tees	M	81	75	14	8	17	11
	F	33	38	2	7	6	18
Wakefield	M	86	84	22	20	26	24
	F	30	33	8	11	27	33
<b>Trent RO</b>	<b>M</b>	<b>1,079</b>	<b>1,017</b>	<b>230</b>	<b>168</b>	<b>21</b>	<b>17</b>
	<b>F</b>	<b>573</b>	<b>565</b>	<b>69</b>	<b>61</b>	<b>12</b>	<b>11</b>
Barnsley	M	43	42	9	8	21	19
	F	10	11	-	1	-	9
Doncaster	M	68	61	14	7	21	11
	F	36	31	5	-	14	-
Leicestershire	M	188	173	35	20	19	12
	F	99	91	12	4	12	4
Lincolnshire	M	151	138	35	22	23	16
	F	97	96	13	12	13	13
North Derbyshire	M	75	63	24	12	32	19
	F	58	58	5	5	9	9
North Nottinghamshire	M	92	83	22	13	24	16
	F	58	60	7	9	12	15
Nottingham	M	142	171	21	50	15	29
	F	79	90	5	16	6	18
Rotherham	M	31	28	9	6	29	21
	F	12	10	3	1	25	10
Sheffield	M	105	109	11	15	10	14
	F	47	51	5	9	11	18
Southern Derbyshire	M	107	83	31	7	29	8
	F	52	45	10	3	19	7
South Humber	M	77	66	19	8	25	12
	F	25	22	4	1	16	5

Table 16c All causes - continued

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>Anglia and Oxford RO</b>	<b>M</b>	<b>24,938</b>	<b>24,955</b>	<b>2,559</b>	<b>2,576</b>	<b>10</b>	<b>10</b>
	<b>F</b>	<b>26,670</b>	<b>26,859</b>	<b>2,218</b>	<b>2,407</b>	<b>8</b>	<b>9</b>
Bedfordshire	M	2,300	2,112	307	119	13	6
	F	2,393	2,255	243	105	10	5
Berkshire	M	3,094	3,063	332	301	11	10
	F	3,407	3,499	282	374	8	11
Buckinghamshire	M	2,660	2,501	398	239	15	10
	F	2,914	2,789	391	266	13	10
Cambridge and Huntingdon	M	1,894	2,200	140	446	7	20
	F	2,028	2,280	123	375	6	16
East Norfolk	M	3,683	3,898	226	441	6	11
	F	3,825	4,053	173	401	5	10
Northamptonshire	M	2,971	2,797	290	116	10	4
	F	3,098	2,947	238	87	8	3
North West Anglia	M	2,304	2,447	158	301	7	12
	F	2,348	2,472	130	254	6	10
Oxfordshire	M	2,567	2,774	176	383	7	14
	F	2,838	3,020	178	360	6	12
Suffolk	M	3,465	3,163	532	230	15	7
	F	3,819	3,544	460	185	12	5
<b>North Thames RO</b>	<b>M</b>	<b>30,657</b>	<b>30,928</b>	<b>5,441</b>	<b>5,712</b>	<b>18</b>	<b>18</b>
	<b>F</b>	<b>32,674</b>	<b>32,671</b>	<b>5,133</b>	<b>5,130</b>	<b>16</b>	<b>16</b>
Barking and Havering	M	1,955	1,931	319	295	16	15
	F	2,102	2,108	344	350	16	17
Barnet	M	1,344	1,058	528	242	39	23
	F	1,664	1,433	500	269	30	19
Brent and Harrow	M	1,859	1,731	443	315	24	18
	F	1,894	1,777	382	265	20	15
Camden and Islington	M	1,606	2,113	366	873	23	41
	F	1,470	1,915	337	782	23	41
Ealing, Hammersmith and Hounslow	M	2,729	2,658	580	509	21	19
	F	2,766	2,684	555	473	20	18
East and North Hertfordshire	M	2,225	1,940	507	222	23	11
	F	2,458	2,262	423	227	17	10
East London and The City	M	2,526	2,821	223	518	9	18
	F	2,170	2,390	189	409	9	17
Enfield and Haringey	M	1,922	1,913	402	393	21	21
	F	2,062	1,985	396	319	19	16
Hillingdon	M	1,053	1,212	165	324	16	27
	F	1,119	1,264	130	275	12	22
Kensington & Chelsea and Westminster	M	1,320	2,093	264	1,037	20	50
	F	1,358	1,820	311	773	23	42
North Essex	M	4,519	4,324	504	309	11	7
	F	4,925	4,772	459	306	9	6
Redbridge and Waltham Forest	M	1,970	2,005	329	364	17	18
	F	2,208	2,191	382	365	17	17
South Essex	M	3,394	3,178	325	109	10	3
	F	3,787	3,638	275	126	7	3
West Hertfordshire	M	2,235	1,951	486	202	22	10
	F	2,691	2,432	450	191	17	8
<b>South Thames RO</b>	<b>M</b>	<b>33,039</b>	<b>33,333</b>	<b>4,215</b>	<b>4,509</b>	<b>13</b>	<b>14</b>
	<b>F</b>	<b>38,379</b>	<b>38,682</b>	<b>3,807</b>	<b>4,110</b>	<b>10</b>	<b>11</b>
Bexley and Greenwich	M	2,024	1,818	434	228	21	13
	F	2,199	2,003	396	200	18	10
Bromley	M	1,346	1,432	281	367	21	26
	F	1,679	1,776	276	373	16	21
Croydon	M	1,314	1,125	297	108	23	10
	F	1,506	1,312	281	87	19	7
East Kent	M	3,528	3,534	121	127	3	4
	F	4,028	4,020	105	97	3	2
East Surrey	M	2,014	1,933	376	295	19	15
	F	2,377	2,325	342	290	14	12
East Sussex, Brighton and Hove	M	4,422	4,295	318	191	7	4
	F	5,552	5,448	260	156	5	3

**Table 16c External causes - continued** **England and Wales, England, Wales, regional offices and health authorities**

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>Anglia and Oxford RO</b>	<b>M</b>	<b>1,080</b>	<b>1,098</b>	<b>196</b>	<b>214</b>	<b>18</b>	<b>19</b>
	<b>F</b>	<b>604</b>	<b>606</b>	<b>81</b>	<b>83</b>	<b>13</b>	<b>14</b>
Bedfordshire	M	97	91	19	13	20	14
	F	72	66	8	2	11	3
Berkshire	M	157	142	34	19	22	13
	F	79	69	19	9	24	13
Buckinghamshire	M	132	132	30	30	23	23
	F	55	59	6	10	11	17
Cambridge and Huntingdon	M	94	117	10	33	11	28
	F	64	79	4	19	6	24
East Norfolk	M	171	171	23	23	13	13
	F	81	72	16	7	20	10
Northamptonshire	M	140	139	23	22	16	16
	F	76	73	5	2	7	3
North West Anglia	M	67	75	13	21	19	28
	F	68	75	7	14	10	19
Oxfordshire	M	104	121	17	34	16	28
	F	50	55	8	13	16	24
Suffolk	M	118	110	27	19	23	17
	F	59	58	8	7	14	12
<b>North Thames RO</b>	<b>M</b>	<b>1,253</b>	<b>1,256</b>	<b>348</b>	<b>351</b>	<b>28</b>	<b>28</b>
	<b>F</b>	<b>698</b>	<b>687</b>	<b>175</b>	<b>164</b>	<b>25</b>	<b>24</b>
Barking and Havering	M	55	58	11	14	20	24
	F	45	50	7	12	16	24
Barnet	M	44	35	22	13	50	37
	F	33	19	15	1	45	5
Brent and Harrow	M	80	73	25	18	31	25
	F	37	36	12	11	32	31
Camden and Islington	M	121	136	35	50	29	37
	F	47	73	6	32	13	44
Ealing, Hammersmith and Hounslow	M	128	118	34	24	27	20
	F	68	65	18	15	26	23
East and North Hertfordshire	M	92	72	28	8	30	11
	F	53	48	9	4	17	8
East London and The City	M	123	161	26	64	21	40
	F	61	72	9	20	15	28
Enfield and Haringey	M	65	56	27	18	42	32
	F	37	29	10	2	27	7
Hillingdon	M	52	58	15	21	29	36
	F	21	19	9	7	43	37
Kensington & Chelsea and Westminster	M	66	79	24	37	36	47
	F	44	45	15	16	34	36
North Essex	M	174	176	37	39	21	22
	F	83	82	19	18	23	22
Redbridge and Waltham Forest	M	80	70	25	15	31	21
	F	52	45	18	11	35	24
South Essex	M	98	93	19	14	19	15
	F	54	46	14	6	26	13
West Hertfordshire	M	75	71	20	16	27	23
	F	63	58	14	9	22	16
<b>South Thames RO</b>	<b>M</b>	<b>1,229</b>	<b>1,253</b>	<b>266</b>	<b>290</b>	<b>22</b>	<b>23</b>
	<b>F</b>	<b>726</b>	<b>727</b>	<b>120</b>	<b>121</b>	<b>17</b>	<b>17</b>
Bexley and Greenwich	M	60	52	22	14	37	27
	F	31	27	10	6	32	22
Bromley	M	43	26	18	1	42	4
	F	30	17	13	-	43	-
Croydon	M	45	41	11	7	24	17
	F	25	20	6	1	24	5
East Kent	M	125	136	10	21	8	15
	F	101	101	3	3	3	3
East Surrey	M	48	47	16	15	33	32
	F	41	36	10	5	24	14
East Sussex, Brighton and Hove	M	172	189	20	37	12	20
	F	109	113	12	16	11	14



Table 16c All causes - continued

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
Kingston and Richmond	M	1,361	1,045	532	216	39	21
	F	1,616	1,353	536	273	33	20
Lambeth, Southwark and Lewisham	M	3,148	3,585	501	938	16	26
	F	3,081	3,395	412	726	13	21
Merton, Sutton and Wandsworth	M	2,628	2,807	448	627	17	22
	F	3,131	3,113	504	486	16	16
West Kent	M	4,385	4,478	324	417	7	9
	F	4,873	5,058	242	427	5	8
West Surrey	M	2,775	3,194	285	704	10	22
	F	3,264	3,832	178	746	5	19
West Sussex	M	4,094	4,087	298	291	7	7
	F	5,073	5,047	275	249	5	5
<b>South and West RO</b>	<b>M</b>	<b>34,862</b>	<b>34,728</b>	<b>2,801</b>	<b>2,667</b>	<b>8</b>	<b>8</b>
	<b>F</b>	<b>38,635</b>	<b>38,481</b>	<b>2,512</b>	<b>2,358</b>	<b>7</b>	<b>6</b>
Avon	M	4,640	5,157	111	628	2	12
	F	5,226	5,769	93	636	2	11
Cornwall and Isles of Scilly	M	2,794	2,627	262	95	9	4
	F	3,021	2,842	247	68	8	2
Dorset	M	4,123	4,124	263	264	6	6
	F	4,762	4,741	232	211	5	4
Gloucestershire	M	2,858	2,836	166	144	6	5
	F	3,088	3,065	152	129	5	4
Isle of Wight	M	861	872	38	49	4	6
	F	941	944	26	29	3	3
North and East Devon	M	2,823	2,849	129	155	5	5
	F	3,191	3,249	70	128	2	4
North and Mid Hampshire	M	2,288	1,941	566	219	25	11
	F	2,517	2,206	521	210	21	10
Portsmouth and South East Hampshire	M	2,734	2,727	149	142	5	5
	F	3,032	3,059	110	137	4	4
Somerset	M	2,796	2,676	286	166	10	6
	F	3,011	2,856	289	134	10	5
Southampton and South West Hampshire	M	2,754	2,672	339	257	12	10
	F	2,945	2,859	289	203	10	7
South and West Devon	M	3,441	3,659	101	319	3	9
	F	3,869	4,069	73	273	2	7
Wiltshire	M	2,750	2,588	391	229	14	9
	F	3,032	2,822	410	200	14	7
<b>West Midlands RO</b>	<b>M</b>	<b>27,144</b>	<b>27,420</b>	<b>3,549</b>	<b>3,825</b>	<b>13</b>	<b>14</b>
	<b>F</b>	<b>28,735</b>	<b>29,011</b>	<b>2,986</b>	<b>3,262</b>	<b>10</b>	<b>11</b>
Birmingham	M	5,106	6,063	349	1,306	7	22
	F	5,245	5,951	346	1,052	7	18
Coventry	M	1,553	1,719	94	260	6	15
	F	1,666	1,775	95	204	6	11
Dudley	M	1,622	1,687	189	254	12	15
	F	1,710	1,735	186	211	11	12
Herefordshire	M	914	950	73	109	8	11
	F	1,011	1,039	72	100	7	10
North Staffordshire	M	2,553	2,657	88	192	3	7
	F	2,725	2,810	71	156	3	6
Sandwell	M	1,806	1,356	549	99	30	7
	F	1,778	1,404	446	72	25	5
Shropshire	M	2,156	2,117	217	178	10	8
	F	2,292	2,279	144	131	6	6
Solihull	M	920	774	338	192	37	25
	F	860	745	287	172	33	23
South Staffordshire	M	2,768	2,424	685	341	25	14
	F	3,076	2,805	586	315	19	11
Walsall	M	1,288	1,197	206	115	16	10
	F	1,347	1,262	191	106	14	8
Warwickshire	M	2,489	2,392	355	258	14	11
	F	2,713	2,666	304	257	11	10
Wolverhampton	M	1,304	1,537	92	325	7	21
	F	1,351	1,563	64	276	5	18
Worcestershire	M	2,665	2,547	314	196	12	8
	F	2,961	2,977	194	210	7	7

**Table 16c External causes - continued** **England and Wales, England, Wales, regional offices and health authorities**

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		(1)	(2)	(3)	(4)	(5)	(6)
Kingston and Richmond	M	60	48	21	9	35	19
	F	31	31	8	8	26	26
Lambeth, Southwark and Lewisham	M	174	186	48	60	28	32
	F	74	86	13	25	18	29
Merton, Sutton and Wandsworth	M	96	109	26	39	27	36
	F	62	69	14	21	23	30
West Kent	M	177	171	28	22	16	13
	F	95	93	13	11	14	12
West Surrey	M	100	108	25	33	25	31
	F	51	57	7	13	14	23
West Sussex	M	129	140	21	32	16	23
	F	76	77	11	12	14	16
<b>South and West RO</b>	<b>M</b>	<b>1,232</b>	<b>1,230</b>	<b>204</b>	<b>202</b>	<b>17</b>	<b>16</b>
	<b>F</b>	<b>756</b>	<b>761</b>	<b>75</b>	<b>80</b>	<b>10</b>	<b>11</b>
Avon	M	176	200	14	38	8	19
	F	84	96	6	18	7	19
Cornwall and Isles of Scilly	M	101	101	11	11	11	11
	F	64	63	5	4	8	6
Dorset	M	152	139	29	16	19	12
	F	122	114	13	5	11	4
Gloucestershire	M	109	105	13	9	12	9
	F	78	75	8	5	10	7
Isle of Wight	M	23	26	1	4	4	15
	F	8	7	1	-	13	-
North and East Devon	M	102	100	17	15	17	15
	F	61	66	6	11	10	17
North and Mid Hampshire	M	122	106	42	26	34	25
	F	47	44	7	4	15	9
Portsmouth and South East Hampshire	M	73	72	12	11	16	15
	F	54	52	3	1	6	2
Somerset	M	87	87	16	16	18	18
	F	62	62	7	7	11	11
Southampton and South West Hampshire	M	93	97	15	19	16	20
	F	59	57	7	5	12	9
South and West Devon	M	106	112	11	17	10	15
	F	79	85	5	11	6	13
Wiltshire	M	88	85	23	20	26	24
	F	38	40	7	9	18	23
<b>West Midlands RO</b>	<b>M</b>	<b>995</b>	<b>1,003</b>	<b>225</b>	<b>233</b>	<b>23</b>	<b>23</b>
	<b>F</b>	<b>592</b>	<b>591</b>	<b>108</b>	<b>107</b>	<b>18</b>	<b>18</b>
Birmingham	M	211	270	22	81	10	30
	F	132	166	10	44	8	27
Coventry	M	60	59	13	12	22	20
	F	27	26	4	3	15	12
Dudley	M	44	42	9	7	20	17
	F	27	23	7	3	26	13
Herefordshire	M	44	43	12	11	27	26
	F	24	24	4	4	17	17
North Staffordshire	M	115	111	17	13	15	12
	F	61	73	2	14	3	19
Sandwell	M	53	37	21	5	40	14
	F	42	32	12	2	29	6
Shropshire	M	68	61	19	12	28	20
	F	40	38	9	7	23	18
Solihull	M	24	17	13	6	54	35
	F	26	13	16	3	62	23
South Staffordshire	M	95	94	29	28	31	30
	F	60	45	17	2	28	4
Walsall	M	36	30	12	6	33	20
	F	21	19	3	1	14	5
Warwickshire	M	97	103	21	27	22	26
	F	41	36	14	9	34	25
Wolverhampton	M	48	48	10	10	21	21
	F	27	26	3	2	11	8
Worcestershire	M	100	88	27	15	27	17
	F	64	70	7	13	11	19

Table 16c All causes - continued

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		(1)	(2)	(3)	(4)	(5)	(6)
<b>North West RO</b>	<b>M</b>	<b>35,503</b>	<b>35,622</b>	<b>4,813</b>	<b>4,932</b>	<b>14</b>	<b>14</b>
	<b>F</b>	<b>40,283</b>	<b>40,403</b>	<b>4,372</b>	<b>4,492</b>	<b>11</b>	<b>11</b>
Bury and Rochdale	M	2,102	1,811	462	171	22	9
	F	2,267	2,061	377	171	17	8
East Lancashire	M	2,698	2,453	304	59	11	2
	F	3,158	2,912	286	40	9	1
Liverpool	M	2,590	3,429	217	1,056	8	31
	F	2,927	3,679	201	953	7	26
Manchester	M	2,423	3,477	253	1,307	10	38
	F	2,509	3,310	258	1,059	10	32
Morecambe Bay	M	1,761	1,806	60	105	3	6
	F	2,123	2,176	51	104	2	5
North Cheshire	M	1,518	1,459	225	166	15	11
	F	1,738	1,697	215	174	12	10
North West Lancashire	M	2,887	3,016	164	293	6	10
	F	3,310	3,470	137	297	4	9
St Helens and Knowsley	M	1,811	1,619	449	257	25	16
	F	1,861	1,719	391	249	21	14
Salford and Trafford	M	2,431	2,118	539	226	22	11
	F	2,778	2,420	537	179	19	7
Sefton	M	1,608	1,068	633	93	39	9
	F	2,016	1,485	615	84	31	6
South Cheshire	M	3,375	3,199	418	242	12	8
	F	3,793	3,674	344	225	9	6
South Lancashire	M	1,399	1,317	233	151	17	11
	F	1,712	1,604	248	140	14	9
Stockport	M	1,445	1,574	239	368	17	23
	F	1,697	1,864	198	365	12	20
West Pennine	M	2,612	2,442	285	115	11	5
	F	2,869	2,738	258	127	9	5
Wigan and Bolton	M	2,969	2,869	245	145	8	5
	F	3,313	3,274	192	153	6	5
Wirral	M	1,874	1,965	87	178	5	9
	F	2,212	2,320	64	172	3	7
<b>Wales RO</b>	<b>M</b>	<b>16,152</b>	<b>15,971</b>	<b>1,178</b>	<b>997</b>	<b>7</b>	<b>6</b>
	<b>F</b>	<b>17,830</b>	<b>17,651</b>	<b>1,094</b>	<b>915</b>	<b>6</b>	<b>5</b>
North Wales	M	3,843	3,791	234	182	6	5
	F	4,291	4,201	214	124	5	3
Dyfed Powys	M	2,810	2,593	360	143	13	6
	F	3,163	2,984	300	121	9	4
Morgannwg	M	2,830	2,951	121	242	4	8
	F	3,085	3,193	113	221	4	7
Bro Taf	M	3,689	3,885	146	342	4	9
	F	4,109	4,335	136	362	3	8
Gwent	M	2,980	2,751	317	88	11	3
	F	3,182	2,938	331	87	10	3

**Table 16c External causes - continued** **England and Wales, England, Wales, regional offices and health authorities**

Area		Deaths of residents of the area	Deaths occurring in the area	Deaths of residents of the Health Authority which occurred elsewhere in E&W	Deaths in the Health Authority of persons resident elsewhere in E&W	Residents of the Health Authority who die elsewhere as percentage of deaths of all residents	Non-residents who died in the Health Authority as percentage of all deaths in the Health Authority
		(1)	(2)	(3)	(4)	(5)	(6)
<b>North West RO</b>	<b>M</b>	<b>1,430</b>	<b>1,417</b>	<b>293</b>	<b>280</b>	<b>20</b>	<b>20</b>
	<b>F</b>	<b>777</b>	<b>765</b>	<b>123</b>	<b>111</b>	<b>16</b>	<b>15</b>
Bury and Rochdale	M	90	77	23	10	26	13
	F	48	40	14	6	29	15
East Lancashire	M	135	119	26	10	19	8
	F	49	38	11	-	22	-
Liverpool	M	94	122	12	40	13	33
	F	52	56	5	9	10	16
Manchester	M	145	185	18	58	12	31
	F	65	91	10	36	15	40
Morecambe Bay	M	49	56	8	15	16	27
	F	43	42	6	5	14	12
North Cheshire	M	60	49	18	7	30	14
	F	34	28	9	3	26	11
North West Lancashire	M	131	145	14	28	11	19
	F	92	101	4	13	4	13
St Helens and Knowsley	M	63	55	21	13	33	24
	F	51	52	8	9	16	17
Salford and Trafford	M	90	77	35	22	39	29
	F	57	47	17	7	30	15
Sefton	M	41	34	16	9	39	26
	F	28	21	8	1	29	5
South Cheshire	M	140	148	22	30	16	20
	F	74	72	8	6	11	8
South Lancashire	M	56	43	18	5	32	12
	F	32	29	6	3	19	10
Stockport	M	54	48	14	8	26	17
	F	16	16	2	2	13	13
West Pennine	M	100	94	15	9	15	10
	F	46	45	5	4	11	9
Wigan and Bolton	M	101	89	22	10	22	11
	F	52	49	9	6	17	12
Wirral	M	81	76	11	6	14	8
	F	38	38	1	1	3	3
<b>Wales RO</b>	<b>M</b>	<b>694</b>	<b>707</b>	<b>101</b>	<b>114</b>	<b>15</b>	<b>16</b>
	<b>F</b>	<b>425</b>	<b>426</b>	<b>37</b>	<b>38</b>	<b>9</b>	<b>9</b>
North Wales	M	203	214	24	35	12	16
	F	136	135	7	6	5	4
Dyfed Powys	M	102	91	25	14	25	15
	F	54	43	13	2	24	5
Morgannwg	M	115	134	12	31	10	23
	F	77	88	2	13	3	15
Bro Taf	M	173	166	24	17	14	10
	F	108	117	5	14	5	12
Gwent	M	101	102	16	17	16	17
	F	50	43	10	3	20	7

To link to Excel version of the table - click on red box surrounding the table title

**Table 17 Deaths: place of occurrence and sex by underlying cause and age group, 1998**

ICD 9 code	Underlying cause (ICD chapter) and age	Total deaths		Psychiatric hospitals				Hospices		Other hospitals and communal establishments for the care of the sick	
				NHS		Other than NHS					
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
	All causes, all ages	264,707	290,308	976	1,105	781	1,200	11,804	11,470	149,692	150,844
	All causes, ages under 28 days	1,386	1,032	-	-	-	-	-	2	1,360	996
001-999	All causes										
	All ages, 28 days and over	263,321	289,276	976	1,105	781	1,200	11,804	11,468	148,332	149,848
	28 days - 4 years	1,097	832	-	-	-	-	13	8	818	653
	5-14	531	366	-	-	1	-	13	13	338	244
	15-44	12,075	6,289	29	10	5	5	372	551	5,434	3,407
	45-64	42,647	26,993	60	38	43	23	2,889	3,071	22,643	14,740
	65-74	66,099	46,894	190	123	113	95	3,995	3,403	38,116	27,160
	75-84	90,450	94,713	415	437	354	429	3,612	3,346	53,644	53,454
	85 and over	50,422	113,189	282	497	265	648	910	1,076	27,339	50,190
001-139	I Infectious and parasitic diseases										
	All ages, 28 days and over	1,770	1,640	-	5	3	2	26	9	1,501	1,398
	28 days - 4 years	104	93	-	-	-	-	-	-	98	89
	5-14	21	14	-	-	-	-	1	-	20	13
	15-44	274	171	-	-	-	-	17	2	209	149
	45-64	360	208	-	-	1	-	8	4	297	190
	65-74	345	293	-	-	-	1	-	3	305	255
	75-84	439	423	-	1	1	1	-	-	388	365
	85 and over	227	438	-	4	1	-	-	-	184	337
140-239	II Neoplasms										
	All ages, 28 days and over	72,030	66,276	119	111	70	90	11,319	11,053	35,476	30,308
	28 days - 4 years	70	46	-	-	-	-	1	1	34	20
	5-14	151	81	-	-	-	-	5	3	66	30
	15-44	1,716	2,290	3	2	-	1	325	534	844	1,030
	45-64	15,480	13,901	12	5	8	6	2,797	3,011	7,096	6,133
	65-74	22,832	17,163	34	19	19	6	3,858	3,292	11,178	7,910
	75-84	23,444	20,767	40	48	25	43	3,471	3,227	12,069	9,903
	85 and over	8,337	12,028	30	37	18	34	862	985	4,188	5,282
240-279	III Endocrine, nutritional and metabolic diseases and immunity disorders										
	All ages, 28 days and over	3,504	4,038	20	16	11	11	19	22	2,286	2,465
	28 days - 4 years	36	26	-	-	-	-	1	1	31	22
	5-14	19	22	-	-	-	-	2	1	11	18
	15-44	246	153	-	-	-	-	-	2	163	107
	45-64	588	446	3	-	1	-	3	6	406	315
	65-74	894	736	5	3	1	2	7	5	640	520
	75-84	1,127	1,344	7	5	6	5	4	7	732	862
	85 and over	594	1,311	5	8	3	4	2	-	303	621
280-289	IV Diseases of blood and blood-forming organs										
	All ages, 28 days and over	879	1,058	2	3	2	-	25	23	645	670
	28 days - 4 years	11	5	-	-	-	-	-	-	11	5
	5-14	6	2	-	-	-	-	-	-	5	2
	15-44	34	21	-	-	-	-	1	-	31	20
	45-64	91	76	-	-	-	-	1	4	81	67
	65-74	178	153	-	-	-	-	7	6	148	119
	75-84	302	329	1	2	-	-	9	7	223	223
	85 and over	257	472	1	1	2	-	7	6	146	234
290-319	V Mental disorders										
	All ages, 28 days and over	3,649	6,781	109	186	106	157	1	7	1,195	1,571
	28 days - 4 years	-	3	-	-	-	-	-	-	-	2
	5-14	-	2	-	-	-	-	-	-	-	1
	15-44	688	164	-	-	-	-	-	-	203	62
	45-64	256	141	2	5	-	1	-	1	106	54
	65-74	333	326	14	15	14	6	-	1	138	95
	75-84	1,210	1,959	56	66	52	58	1	2	381	489
	85 and over	1,162	4,186	37	100	40	92	-	3	367	868

## England and Wales

Other hospitals and communal establishments for the care of the sick		Other communal establishments		At home		In other private houses and other places		Underlying cause (ICD chapter) and age	ICD 9 code
Other than NHS									
Male	Female	Male	Female	Male	Female	Male	Female		
<b>19,427</b>	<b>39,065</b>	<b>11,835</b>	<b>33,312</b>	<b>60,762</b>	<b>48,273</b>	<b>9,430</b>	<b>5,039</b>	<b>All causes, all ages</b>	
<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20</b>	<b>21</b>	<b>5</b>	<b>13</b>	<b>All causes, ages under 28 days</b>	
<b>19,426</b>	<b>39,065</b>	<b>11,835</b>	<b>33,312</b>	<b>60,742</b>	<b>48,252</b>	<b>9,425</b>	<b>5,026</b>	<b>All causes</b>	<b>001-999</b>
8	7	2	1	189	119	67	44	<b>All ages, 28 days and over</b>	
3	2	3	1	130	84	43	22	28 days - 4 years	
128	92	77	22	3,552	1,672	2,478	530	5-14	
957	800	283	220	13,207	7,421	2,565	680	15-44	
2,691	2,499	1,131	1,087	17,834	11,406	2,029	1,121	45-64	
7,655	11,293	4,148	7,836	18,907	16,234	1,715	1,684	65-74	
7,984	24,372	6,191	24,145	6,923	11,316	528	945	75-84	
								85 and over	
								<b>I Infectious and parasitic diseases</b>	<b>001-139</b>
<b>68</b>	<b>87</b>	<b>29</b>	<b>58</b>	<b>129</b>	<b>71</b>	<b>14</b>	<b>10</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	5	1	1	3	28 days - 4 years	
-	-	-	-	-	1	-	-	5-14	
7	4	1	2	32	12	8	2	15-44	
12	2	-	2	39	9	3	1	45-64	
9	10	8	7	23	15	-	2	65-74	
21	29	6	10	22	16	1	1	75-84	
19	42	14	37	8	17	1	1	85 and over	
								<b>II Neoplasms</b>	<b>140-239</b>
<b>4,077</b>	<b>5,534</b>	<b>1,747</b>	<b>3,040</b>	<b>18,386</b>	<b>14,746</b>	<b>836</b>	<b>1,394</b>	<b>All ages, 28 days and over</b>	
-	1	-	-	34	24	1	-	28 days - 4 years	
1	1	-	-	78	46	1	1	5-14	
40	52	5	2	462	607	37	62	15-44	
455	436	55	67	4,856	4,072	201	171	45-64	
870	818	259	244	6,365	4,495	249	379	65-74	
1,594	2,051	675	978	5,310	3,958	260	559	75-84	
1,118	2,175	753	1,749	1,281	1,544	87	222	85 and over	
								<b>III Endocrine, nutritional and metabolic diseases and immunity disorders</b>	<b>240-279</b>
<b>310</b>	<b>533</b>	<b>190</b>	<b>406</b>	<b>609</b>	<b>542</b>	<b>59</b>	<b>43</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	4	3	-	-	28 days - 4 years	
-	-	-	-	6	3	-	-	5-14	
1	-	2	-	70	38	10	6	15-44	
15	13	5	3	135	102	20	7	45-64	
45	44	21	22	163	129	12	11	65-74	
128	182	66	121	171	151	13	11	75-84	
121	294	96	260	60	116	4	8	85 and over	
								<b>IV Diseases of blood and blood-forming organs</b>	<b>280-289</b>
<b>50</b>	<b>138</b>	<b>53</b>	<b>126</b>	<b>97</b>	<b>94</b>	<b>5</b>	<b>4</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	-	-	-	-	28 days - 4 years	
-	-	-	-	1	-	-	-	5-14	
1	-	-	-	1	1	-	-	15-44	
2	2	1	-	5	3	1	-	45-64	
3	11	-	2	20	15	-	-	65-74	
12	34	15	31	40	32	2	-	75-84	
32	91	37	93	30	43	2	4	85 and over	
								<b>V Mental disorders</b>	<b>290-319</b>
<b>923</b>	<b>2,407</b>	<b>573</b>	<b>2,002</b>	<b>533</b>	<b>404</b>	<b>209</b>	<b>47</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	-	1	-	-	28 days - 4 years	
-	-	-	-	-	1	-	-	5-14	
2	1	5	1	289	67	189	33	15-44	
15	12	9	7	111	55	13	6	45-64	
93	112	45	64	28	32	1	1	65-74	
436	696	226	553	56	93	2	2	75-84	
377	1,586	288	1,377	49	155	4	5	85 and over	

Table 17 - *continued*

ICD 9 code	Underlying cause (ICD chapter) and age	Total deaths		Psychiatric hospitals				Hospices		Other hospitals and communal establishments for the care of the sick	
				NHS		Other than NHS					
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
320-389	VI Diseases of the nervous system and sense organs										
	All ages, 28 days and over	4,695	5,340	50	49	59	76	107	101	2,063	1,798
	28 days - 4 years	111	84	-	-	-	-	3	2	82	64
	5-14	73	75	-	-	-	-	2	5	43	50
	15-44	520	322	2	1	1	-	21	7	215	165
	45-64	714	629	9	2	8	4	33	23	329	275
	65-74	901	856	12	8	8	8	27	37	444	333
	75-84	1,602	1,727	12	22	33	33	19	24	682	531
	85 and over	774	1,647	15	16	9	31	2	3	268	379
390-459	VII Diseases of the circulatory system										
	All ages, 28 days and over	108,300	118,377	291	375	246	386	152	123	63,152	65,407
	28 days - 4 years	60	51	-	-	-	-	2	1	55	47
	5-14	20	19	-	-	-	-	-	-	19	17
	15-44	1,822	840	7	2	2	1	2	1	1,057	609
	45-64	16,671	6,492	18	13	11	5	25	6	9,393	4,205
	65-74	28,751	17,460	55	41	34	43	49	33	16,931	10,818
	75-84	40,252	43,801	129	157	115	135	55	38	24,287	25,669
	85 and over	20,724	49,714	82	162	84	202	19	44	11,408	24,040
460-519	VIII Diseases of the respiratory system										
	All ages, 28 days and over	40,778	49,414	319	274	241	362	103	71	25,574	25,636
	28 days - 4 years	130	81	-	-	-	-	1	1	107	71
	5-14	32	38	-	-	1	-	1	2	25	27
	15-44	449	302	3	2	-	2	4	2	276	212
	45-64	3,091	2,131	11	8	11	5	11	7	2,035	1,492
	65-74	8,017	6,243	59	28	30	23	37	17	5,459	4,278
	75-84	16,275	15,707	151	108	109	133	39	27	10,489	9,272
	85 and over	12,784	24,912	95	128	90	199	10	15	7,183	10,284
520-579	IX Diseases of the digestive system										
	All ages, 28 days and over	9,371	11,654	12	31	5	17	18	18	7,537	9,595
	28 days - 4 years	26	23	-	-	-	-	1	-	21	19
	5-14	12	8	-	-	-	-	-	-	12	7
	15-44	758	367	1	-	-	-	1	1	552	289
	45-64	2,391	1,518	1	1	-	1	4	6	1,776	1,238
	65-74	2,096	1,957	4	6	3	3	6	4	1,752	1,664
	75-84	2,656	3,786	5	9	1	5	5	4	2,242	3,187
	85 and over	1,432	3,995	1	15	1	8	1	3	1,182	3,191
580-629	X Diseases of the genitourinary system										
	All ages, 28 days and over	3,037	3,909	13	14	11	13	12	4	2,368	2,849
	28 days - 4 years	4	4	-	-	-	-	-	-	3	3
	5-14	2	-	-	-	-	-	-	-	2	-
	15-44	59	65	-	-	-	-	-	-	43	60
	45-64	201	205	-	-	1	-	1	-	155	166
	65-74	507	473	1	2	4	2	3	1	423	390
	75-84	1,240	1,280	9	7	5	7	5	1	1,002	998
	85 and over	1,024	1,882	3	5	1	4	3	2	740	1,232
630-676	XI Complications of pregnancy, childbirth and the puerperium										
	All ages, 28 days and over	-	43	-	-	-	-	-	-	-	36
	28 days - 4 years	-	-	-	-	-	-	-	-	-	-
	5-14	-	-	-	-	-	-	-	-	-	-
	15-44	-	42	-	-	-	-	-	-	-	35
	45-64	-	1	-	-	-	-	-	-	-	1
	65-74	-	-	-	-	-	-	-	-	-	-
	75-84	-	-	-	-	-	-	-	-	-	-
	85 and over	-	-	-	-	-	-	-	-	-	-



## England and Wales

Other hospitals and communal establishments for the care of the sick		Other communal establishments		At home		In other private houses and other places		Underlying cause (ICD chapter) and age	ICD 9 code
Other than NHS									
Male	Female	Male	Female	Male	Female	Male	Female		
<b>1,024</b>	<b>1,495</b>	<b>493</b>	<b>1,024</b>	<b>840</b>	<b>757</b>	<b>59</b>	<b>40</b>	<b>VI Diseases of the nervous system and sense organs</b>	<b>320-389</b>
								<b>All ages, 28 days and over</b>	
1	-	2	-	19	15	4	3	28 days - 4 years	
1	1	2	1	21	16	4	2	5-14	
20	14	12	8	220	117	29	10	15-44	
85	97	33	47	200	176	17	5	45-64	
180	215	71	85	156	163	3	7	65-74	
463	574	222	375	170	161	1	7	75-84	
274	595	151	508	54	109	1	6	85 and over	
								<b>VII Diseases of the circulatory system</b>	<b>390-459</b>
<b>6,507</b>	<b>14,579</b>	<b>4,296</b>	<b>12,971</b>	<b>28,923</b>	<b>22,334</b>	<b>4,733</b>	<b>2,202</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	3	1	-	2	28 days - 4 years	
-	-	-	-	-	2	1	-	5-14	
14	5	6	2	529	190	205	30	15-44	
199	105	102	44	5,471	1,852	1,452	262	45-64	
866	737	427	375	8,874	4,854	1,515	559	65-74	
2,637	4,395	1,549	3,312	10,244	9,226	1,236	869	75-84	
2,793	9,339	2,212	9,238	3,802	6,209	324	480	85 and over	
								<b>VIII Diseases of the respiratory system</b>	<b>460-519</b>
<b>5,072</b>	<b>9,134</b>	<b>3,327</b>	<b>8,418</b>	<b>5,798</b>	<b>5,125</b>	<b>344</b>	<b>394</b>	<b>All ages, 28 days and over</b>	
1	1	-	-	18	5	3	3	28 days - 4 years	
-	-	-	-	5	7	-	2	5-14	
13	6	6	2	125	69	22	7	15-44	
111	81	49	35	793	462	70	41	45-64	
521	424	254	223	1,570	1,170	87	80	65-74	
2,001	2,427	1,169	1,829	2,209	1,768	108	143	75-84	
2,425	6,195	1,849	6,329	1,078	1,644	54	118	85 and over	
								<b>IX Diseases of the digestive system</b>	<b>520-579</b>
<b>256</b>	<b>512</b>	<b>147</b>	<b>424</b>	<b>1,296</b>	<b>988</b>	<b>100</b>	<b>69</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	3	3	1	1	28 days - 4 years	
-	-	-	-	-	1	-	-	5-14	
9	1	3	-	168	68	24	8	15-44	
22	15	12	3	532	235	44	19	45-64	
38	37	21	23	261	207	11	13	65-74	
98	168	47	107	246	291	12	15	75-84	
89	291	64	291	86	183	8	13	85 and over	
								<b>X Diseases of the genitourinary system</b>	<b>580-629</b>
<b>236</b>	<b>410</b>	<b>175</b>	<b>376</b>	<b>214</b>	<b>225</b>	<b>8</b>	<b>18</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	-	1	1	-	28 days - 4 years	
-	-	-	-	-	-	-	-	5-14	
3	1	2	-	10	4	1	-	15-44	
11	11	2	1	31	25	-	2	45-64	
25	26	8	10	42	39	1	3	65-74	
84	126	55	78	79	59	1	4	75-84	
113	246	108	287	52	97	4	9	85 and over	
								<b>XI Complications of pregnancy, childbirth and the puerperium</b>	<b>630-676</b>
<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	-	-	-	-	28 days - 4 years	
-	-	-	-	-	-	-	-	5-14	
-	-	-	-	-	7	-	-	15-44	
-	-	-	-	-	-	-	-	45-64	
-	-	-	-	-	-	-	-	65-74	
-	-	-	-	-	-	-	-	75-84	
-	-	-	-	-	-	-	-	85 and over	

Table 17 - *continued*

ICD 9 code	Underlying cause (ICD chapter) and age	Total deaths		Psychiatric hospitals				Hospices		Other hospitals and communal establishments for the care of the sick	
				NHS		Other than NHS					
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
680-709	XII Diseases of the skin and subcutaneous tissue										
	All ages, 28 days and over	296	774	2	7	1	7	-	1	236	495
	28 days - 4 years	-	-	-	-	-	-	-	-	-	-
	5-14	1	-	-	-	-	-	-	-	1	-
	15-44	11	6	-	-	-	-	-	1	10	5
	45-64	31	24	-	1	-	-	-	-	27	21
	65-74	51	77	-	1	-	-	-	-	46	66
	75-84	84	248	1	3	-	1	-	-	65	176
	85 and over	118	419	1	2	1	6	-	-	87	227
710-739	XIII Diseases of the musculoskeletal system and connective tissue										
	All ages, 28 days and over	901	2,665	3	6	-	4	3	13	702	1,690
	28 days - 4 years	1	2	-	-	-	-	-	-	1	2
	5-14	4	3	-	-	-	-	-	-	3	3
	15-44	29	60	-	-	-	-	-	-	26	51
	45-64	106	159	-	1	-	-	1	3	93	124
	65-74	168	356	1	-	-	-	-	4	134	259
	75-84	326	864	1	4	-	1	2	4	244	561
	85 and over	267	1,221	1	1	-	3	-	2	201	690
740-759	XIV Congenital anomalies										
	All ages, 28 days and over	627	620	-	3	-	-	7	3	435	446
	28 days - 4 years	171	164	-	-	-	-	3	1	137	136
	5-14	41	25	-	-	-	-	2	1	29	24
	15-44	165	127	-	1	-	-	-	1	105	91
	45-64	106	117	-	2	-	-	1	-	64	71
	65-74	55	78	-	-	-	-	1	-	39	52
	75-84	61	76	-	-	-	-	-	-	38	49
	85 and over	28	33	-	-	-	-	-	-	23	23
760-779	XV Certain conditions originating in the perinatal period										
	All ages, 28 days and over	82	42	-	-	-	-	1	-	74	35
	28 days - 4 years	80	39	-	-	-	-	1	-	73	35
	5-14	-	-	-	-	-	-	-	-	-	-
	15-44	2	2	-	-	-	-	-	-	1	-
	45-64	-	-	-	-	-	-	-	-	-	-
	65-74	-	1	-	-	-	-	-	-	-	-
	75-84	-	-	-	-	-	-	-	-	-	-
	85 and over	-	-	-	-	-	-	-	-	-	-
780-799	XVI Symptoms, signs and ill-defined conditions										
	All ages, 28 days and over	3,064	10,782	5	16	17	66	7	17	812	1,996
	28 days - 4 years	182	123	-	-	-	-	-	-	87	75
	5-14	2	5	-	-	-	-	-	1	1	4
	15-44	198	66	1	1	-	-	-	-	46	21
	45-64	185	78	-	-	-	-	1	-	16	22
	65-74	94	92	1	-	-	-	-	-	15	24
	75-84	431	1,200	1	2	3	6	2	4	132	333
	85 and over	1,972	9,218	2	13	14	60	4	12	515	1,517
E800-E999	EXVII External causes of injury and poisoning										
	All ages, 28 days and over	10,338	5,863	31	9	9	9	4	3	4,279	3,456
	28 days - 4 years	111	88	-	-	-	-	-	1	78	63
	5-14	147	72	-	-	-	-	-	-	101	48
	15-44	5,104	1,291	12	1	2	1	1	-	1,653	501
	45-64	2,376	867	4	-	2	1	3	-	769	366
	65-74	877	630	4	-	-	1	-	-	464	377
	75-84	1,001	1,202	2	3	4	1	-	1	670	836
	85 and over	722	1,713	9	5	1	5	-	1	544	1,265

## England and Wales

Other hospitals and communal establishments for the care of the sick		Other communal establishments		At home		In other private houses and other places		Underlying cause (ICD chapter) and age	ICD 9 code
Other than NHS									
Male	Female	Male	Female	Male	Female	Male	Female		
<b>XII Diseases of the skin and subcutaneous tissue</b>									<b>680-709</b>
<b>33</b>	<b>146</b>	<b>11</b>	<b>100</b>	<b>11</b>	<b>18</b>	<b>2</b>	<b>-</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	-	-	-	-	28 days - 4 years	
-	-	-	-	-	-	-	-	5-14	
-	-	-	-	1	-	-	-	15-44	
1	1	-	-	3	1	-	-	45-64	
2	5	-	2	2	3	1	-	65-74	
11	39	4	22	3	7	-	-	75-84	
19	101	7	76	2	7	1	-	85 and over	
<b>XIII Diseases of the musculoskeletal system and connective tissue</b>									<b>710-739</b>
<b>83</b>	<b>423</b>	<b>43</b>	<b>295</b>	<b>66</b>	<b>222</b>	<b>1</b>	<b>12</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	-	-	-	-	28 days - 4 years	
1	-	-	-	-	-	-	-	5-14	
-	3	-	-	3	5	-	1	15-44	
2	9	-	-	9	21	1	1	45-64	
12	30	6	18	15	43	-	2	65-74	
36	134	19	77	24	78	-	5	75-84	
32	247	18	200	15	75	-	3	85 and over	
<b>XIV Congenital anomalies</b>									<b>740-759</b>
<b>23</b>	<b>32</b>	<b>7</b>	<b>11</b>	<b>119</b>	<b>108</b>	<b>36</b>	<b>17</b>	<b>All ages, 28 days and over</b>	
5	5	-	1	19	19	7	2	28 days - 4 years	
-	-	-	-	7	-	3	-	5-14	
2	-	1	1	46	25	11	8	15-44	
11	12	3	8	19	24	8	-	45-64	
2	7	-	-	9	17	4	2	65-74	
1	2	2	1	17	19	3	5	75-84	
2	6	1	-	2	4	-	-	85 and over	
<b>XV Certain conditions originating in the perinatal period</b>									<b>760-779</b>
<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>All ages, 28 days and over</b>	
1	-	-	-	5	4	-	-	28 days - 4 years	
-	-	-	-	-	-	-	-	5-14	
-	-	-	-	1	2	-	-	15-44	
-	-	-	-	-	-	-	-	45-64	
-	1	-	-	-	-	-	-	65-74	
-	-	-	-	-	-	-	-	75-84	
-	-	-	-	-	-	-	-	85 and over	
<b>XVI Symptoms, signs and ill-defined conditions</b>									<b>780-799</b>
<b>637</b>	<b>3,377</b>	<b>654</b>	<b>3,855</b>	<b>817</b>	<b>1,356</b>	<b>115</b>	<b>99</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	66	33	29	15	28 days - 4 years	
-	-	-	-	-	-	1	-	5-14	
1	-	1	-	107	41	42	3	15-44	
-	1	-	-	145	49	23	6	45-64	
6	11	5	9	63	47	4	1	65-74	
98	362	80	300	110	182	5	11	75-84	
532	3,003	568	3,546	326	1,004	11	63	85 and over	
<b>EXVII External causes of injury and poisoning</b>									<b>E800-E999</b>
<b>123</b>	<b>254</b>	<b>90</b>	<b>206</b>	<b>2,898</b>	<b>1,249</b>	<b>2,904</b>	<b>677</b>	<b>All ages, 28 days and over</b>	
-	-	-	-	13	9	20	15	28 days - 4 years	
-	-	1	-	12	7	33	17	5-14	
15	5	33	4	1,488	419	1,900	360	15-44	
16	3	12	3	858	335	712	159	45-64	
19	11	6	3	243	177	141	61	65-74	
35	74	13	42	206	193	71	52	75-84	
38	161	25	154	78	109	27	13	85 and over	

To link to Excel version of the table - click on red box surrounding the table title.

**Table 18 Deaths: place of occurrence by certifier\*, and for deaths certified by doctor, whether body seen after death and interval since last seen alive, 1998** England and Wales

Certifier, whether body seen or not seen after death, and interval since last seen alive	Total deaths	Place of occurrence†							
		Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places
		NHS	Other than NHS		NHS	Other than NHS			
<b>Total deaths</b>	<b>555,015</b>	<b>2,081</b>	<b>1,981</b>	<b>23,274</b>	<b>300,536</b>	<b>58,492</b>	<b>45,147</b>	<b>109,035</b>	<b>14,469</b>
<b>Deaths certified by doctors</b>									
<b>Total deaths</b>	<b>432,893</b>	<b>1,854</b>	<b>1,746</b>	<b>22,801</b>	<b>244,816</b>	<b>53,981</b>	<b>40,453</b>	<b>62,872</b>	<b>4,370</b>
Under 1 day	<b>150,995</b>	512	262	9,784	111,933	8,981	6,219	12,396	908
1 day	<b>125,229</b>	613	378	8,572	80,298	11,605	8,510	14,384	869
2 days	<b>45,247</b>	248	269	2,026	23,454	6,855	5,180	6,781	434
3-6 days	<b>58,432</b>	329	462	1,734	19,423	14,081	10,412	11,217	774
7-27 days	<b>35,431</b>	109	275	354	5,675	9,363	7,564	11,226	865
over 27 days	<b>13,632</b>	29	80	113	2,198	2,513	2,152	6,082	465
Not stated	<b>3,927</b>	14	20	218	1,835	583	416	786	55
<b>Body seen by certifier</b>									
<b>Total deaths</b>	<b>257,560</b>	<b>1,012</b>	<b>1,087</b>	<b>21,601</b>	<b>137,892</b>	<b>33,046</b>	<b>24,141</b>	<b>36,564</b>	<b>2,217</b>
Under 1 day	<b>106,889</b>	328	184	9,451	76,801	6,418	4,179	8,902	626
1 day	<b>69,913</b>	334	238	8,213	39,602	7,429	5,156	8,449	492
2 days	<b>21,536</b>	121	163	1,881	9,132	3,861	2,882	3,306	190
3-6 days	<b>30,513</b>	147	286	1,610	8,683	7,919	5,851	5,679	338
7-27 days	<b>19,670</b>	61	164	307	2,422	5,656	4,502	6,202	356
over 27 days	<b>8,353</b>	18	49	104	1,028	1,635	1,465	3,857	197
Not stated	<b>686</b>	3	3	35	224	128	106	169	18
<b>Body seen by other doctor</b>									
<b>Total deaths</b>	<b>164,775</b>	<b>793</b>	<b>632</b>	<b>711</b>	<b>99,296</b>	<b>20,091</b>	<b>15,756</b>	<b>25,408</b>	<b>2,088</b>
Under 1 day	<b>42,160</b>	173	73	201	33,536	2,493	1,982	3,427	275
1 day	<b>52,135</b>	263	138	244	37,901	4,078	3,291	5,847	373
2 days	<b>22,738</b>	120	103	118	13,524	2,937	2,261	3,434	241
3-6 days	<b>26,907</b>	177	175	98	9,996	6,045	4,499	5,491	426
7-27 days	<b>15,399</b>	47	109	44	3,096	3,632	3,012	4,957	502
over 27 days	<b>5,184</b>	11	31	6	1,136	863	679	2,192	266
Not stated	<b>252</b>	2	3	-	107	43	32	60	5
<b>Body not seen by any doctor</b>									
<b>Total deaths</b>	<b>6,269</b>	<b>36</b>	<b>2</b>	<b>224</b>	<b>5,384</b>	<b>279</b>	<b>170</b>	<b>157</b>	<b>17</b>
Under 1 day	<b>1,467</b>	11	-	92	1,243	45	40	32	4
1 day	<b>2,821</b>	13	1	86	2,569	67	40	43	2
2 days	<b>830</b>	7	-	21	724	38	20	18	2
3-6 days	<b>844</b>	5	1	20	680	72	39	24	3
7-27 days	<b>246</b>	-	-	3	137	47	26	28	5
over 27 days	<b>49</b>	-	-	2	25	8	4	9	1
Not stated	<b>12</b>	-	-	-	6	2	1	3	-
<b>Not stated whether body seen or not seen after death</b>									
<b>Total deaths</b>	<b>4,289</b>	<b>13</b>	<b>25</b>	<b>265</b>	<b>2,244</b>	<b>565</b>	<b>386</b>	<b>743</b>	<b>48</b>
Under 1 day	<b>479</b>	-	5	40	353	25	18	35	3
1 day	<b>360</b>	3	1	29	226	31	23	45	2
2 days	<b>143</b>	-	3	6	74	19	17	23	1
3-6 days	<b>168</b>	-	-	6	64	45	23	23	7
7-27 days	<b>116</b>	1	2	-	20	28	24	39	2
over 27 days	<b>46</b>	-	-	1	9	7	4	24	1
Not stated	<b>2,977</b>	9	14	183	1,498	410	277	554	32
<b>Deaths certified by coroners</b>	<b>121,585</b>	<b>226</b>	<b>232</b>	<b>470</b>	<b>55,638</b>	<b>4,403</b>	<b>4,590</b>	<b>45,955</b>	<b>10,071</b>
<b>Uncertified</b>	<b>537</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>82</b>	<b>108</b>	<b>104</b>	<b>208</b>	<b>28</b>

† See section 2.5 introduction.

\* See section 2.8 introduction.

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**Table 19 Deaths: area of usual residence and sex, by place of occurrence,  
(numbers and percentages), 1998**

Area of usual residence		Number of deaths by place of occurrence								
		Place of occurrence								
		Total deaths	Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places
			NHS	Other than NHS		NHS	Other than NHS			
England, Wales and elsewhere	M	264,707	976	781	11,804	149,692	19,427	11,835	60,762	9,430
	F	290,308	1,105	1,200	11,470	150,844	39,065	33,312	48,273	5,039
England	M	247,673	852	749	11,513	139,417	18,452	11,250	56,756	8,684
	F	271,931	976	1,154	11,219	140,322	36,896	31,615	45,123	4,626
Wales	M	16,152	124	32	277	9,699	897	578	4,006	539
	F	17,830	128	46	240	10,142	2,112	1,695	3,150	317
Elsewhere	M	882	-	-	14	576	78	7	-	207
	F	547	1	-	11	380	57	2	-	96
Northern and Yorkshire	M	33,993	106	173	1,399	18,898	2,522	1,409	7,976	1,510
	F	37,556	115	267	1,368	19,459	5,211	4,031	6,352	753
Bradford	M	2,444	4	12	139	1,220	232	92	575	170
	F	2,698	4	22	122	1,227	499	308	425	91
Calderdale and Kirklees	M	2,921	-	8	144	1,514	242	130	703	180
	F	3,395	1	6	150	1,655	521	437	538	87
County Durham	M	3,402	30	49	73	1,790	333	132	882	113
	F	3,811	29	66	58	1,879	710	307	702	60
East Riding	M	3,102	-	2	93	1,802	221	211	680	93
	F	3,514	-	-	88	1,839	446	522	574	45
Gateshead and South Tyneside	M	2,189	4	15	64	1,349	94	63	456	144
	F	2,346	7	28	87	1,395	170	189	391	79
Leeds	M	3,476	16	7	250	2,020	235	86	711	151
	F	3,846	21	15	266	2,216	491	220	550	67
Newcastle and North Tyneside	M	2,691	1	12	104	1,605	211	137	562	59
	F	3,046	1	12	114	1,632	403	376	460	48
North Cumbria	M	1,815	7	5	64	896	78	100	577	88
	F	1,991	8	15	46	1,009	133	296	442	42
Northumberland	M	1,855	16	7	33	1,122	95	98	444	40
	F	1,958	16	14	31	1,081	155	294	344	23
North Yorkshire	M	3,941	18	7	184	2,095	407	162	904	164
	F	4,543	20	6	160	2,112	933	515	730	67
Sunderland	M	1,652	4	14	58	959	91	48	381	97
	F	1,732	3	33	57	937	168	145	334	55
Tees	M	2,832	6	30	116	1,521	189	101	753	116
	F	2,977	4	37	103	1,530	409	269	564	61
Wakefield	M	1,673	-	5	77	1,005	94	49	348	95
	F	1,699	1	13	86	947	173	153	298	28
Trent	M	27,537	55	121	965	15,336	2,268	1,142	6,449	1,201
	F	28,999	54	173	858	14,938	4,315	3,160	4,900	601
Barnsley	M	1,350	-	-	22	785	73	49	352	69
	F	1,406	-	-	28	799	165	128	254	32
Doncaster	M	1,648	10	11	70	966	91	54	396	50
	F	1,728	4	18	52	966	198	175	278	37
Leicestershire	M	4,317	10	18	155	2,483	249	247	1,032	123
	F	4,634	6	19	164	2,428	507	600	822	88
Lincolnshire	M	3,737	-	26	90	1,918	393	178	932	200
	F	3,844	1	40	83	1,810	670	513	662	65
North Derbyshire	M	2,102	13	2	103	1,143	195	104	479	63
	F	2,318	13	3	109	1,149	345	265	398	36
North Nottinghamshire	M	2,209	3	4	110	1,186	225	58	488	135
	F	2,214	3	14	78	1,098	470	147	340	64
Nottingham	M	3,302	3	20	6	1,926	317	120	678	232
	F	3,442	1	24	6	1,857	581	353	514	106
Rotherham	M	1,282	-	13	39	766	81	29	303	51
	F	1,403	-	22	44	802	185	87	238	25
Sheffield	M	2,894	6	9	179	1,554	255	80	700	111
	F	3,192	8	12	153	1,567	532	271	596	53
Southern Derbyshire	M	2,950	10	10	147	1,663	282	106	643	89
	F	3,066	18	18	101	1,538	501	337	498	55
South Humber	M	1,746	-	8	44	946	107	117	446	78
	F	1,752	-	3	40	924	161	284	300	40

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regional offices and health authorities

Percentage of deaths by place of occurrence

Area of usual residence

Place of occurrence

Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places		
NHS	Other than NHS		NHS	Other than NHS					
<b>0.4</b>	<b>0.3</b>	<b>4.5</b>	<b>56.6</b>	<b>7.3</b>	<b>4.5</b>	<b>23.0</b>	<b>3.6</b>	<b>M</b>	<b>England, Wales and elsewhere</b>
<b>0.4</b>	<b>0.4</b>	<b>4.0</b>	<b>52.0</b>	<b>13.5</b>	<b>11.5</b>	<b>16.6</b>	<b>1.7</b>	<b>F</b>	
<b>0.3</b>	<b>0.3</b>	<b>4.6</b>	<b>56.3</b>	<b>7.5</b>	<b>4.5</b>	<b>22.9</b>	<b>3.5</b>	<b>M</b>	<b>England</b>
<b>0.4</b>	<b>0.4</b>	<b>4.1</b>	<b>51.6</b>	<b>13.6</b>	<b>11.6</b>	<b>16.6</b>	<b>1.7</b>	<b>F</b>	
<b>0.8</b>	<b>0.2</b>	<b>1.7</b>	<b>60.0</b>	<b>5.6</b>	<b>3.6</b>	<b>24.8</b>	<b>3.3</b>	<b>M</b>	<b>Wales</b>
<b>0.7</b>	<b>0.3</b>	<b>1.3</b>	<b>56.9</b>	<b>11.8</b>	<b>9.5</b>	<b>17.7</b>	<b>1.8</b>	<b>F</b>	
-	-	<b>1.6</b>	<b>65.3</b>	<b>8.8</b>	<b>0.8</b>	-	<b>23.5</b>	<b>M</b>	<b>Elsewhere</b>
<b>0.2</b>	-	<b>2.0</b>	<b>69.5</b>	<b>10.4</b>	<b>0.4</b>	-	<b>17.6</b>	<b>F</b>	
<b>0.3</b>	<b>0.5</b>	<b>4.1</b>	<b>55.6</b>	<b>7.4</b>	<b>4.1</b>	<b>23.5</b>	<b>4.4</b>	<b>M</b>	<b>Northern and Yorkshire</b>
<b>0.3</b>	<b>0.7</b>	<b>3.6</b>	<b>51.8</b>	<b>13.9</b>	<b>10.7</b>	<b>16.9</b>	<b>2.0</b>	<b>F</b>	
0.2	0.5	5.7	49.9	9.5	3.8	23.5	7.0	M	Bradford
0.1	0.8	4.5	45.5	18.5	11.4	15.8	3.4	F	
-	0.3	4.9	51.8	8.3	4.5	24.1	6.2	M	Calderdale and Kirklees
0.0	0.2	4.4	48.7	15.3	12.9	15.8	2.6	F	
0.9	1.4	2.1	52.6	9.8	3.9	25.9	3.3	M	County Durham
0.8	1.7	1.5	49.3	18.6	8.1	18.4	1.6	F	
-	0.1	3.0	58.1	7.1	6.8	21.9	3.0	M	East Riding
-	-	2.5	52.3	12.7	14.9	16.3	1.3	F	
0.2	0.7	2.9	61.6	4.3	2.9	20.8	6.6	M	Gateshead and South Tyneside
0.3	1.2	3.7	59.5	7.2	8.1	16.7	3.4	F	
0.5	0.2	7.2	58.1	6.8	2.5	20.5	4.3	M	Leeds
0.5	0.4	6.9	57.6	12.8	5.7	14.3	1.7	F	
0.0	0.4	3.9	59.6	7.8	5.1	20.9	2.2	M	Newcastle and North Tyneside
0.0	0.4	3.7	53.6	13.2	12.3	15.1	1.6	F	
0.4	0.3	3.5	49.4	4.3	5.5	31.8	4.8	M	North Cumbria
0.4	0.8	2.3	50.7	6.7	14.9	22.2	2.1	F	
0.9	0.4	1.8	60.5	5.1	5.3	23.9	2.2	M	Northumberland
0.8	0.7	1.6	55.2	7.9	15.0	17.6	1.2	F	
0.5	0.2	4.7	53.2	10.3	4.1	22.9	4.2	M	North Yorkshire
0.4	0.1	3.5	46.5	20.5	11.3	16.1	1.5	F	
0.2	0.8	3.5	58.1	5.5	2.9	23.1	5.9	M	Sunderland
0.2	1.9	3.3	54.1	9.7	8.4	19.3	3.2	F	
0.2	1.1	4.1	53.7	6.7	3.6	26.6	4.1	M	Tees
0.1	1.2	3.5	51.4	13.7	9.0	18.9	2.0	F	
-	0.3	4.6	60.1	5.6	2.9	20.8	5.7	M	Wakefield
0.1	0.8	5.1	55.7	10.2	9.0	17.5	1.6	F	
<b>0.2</b>	<b>0.4</b>	<b>3.5</b>	<b>55.7</b>	<b>8.2</b>	<b>4.1</b>	<b>23.4</b>	<b>4.4</b>	<b>M</b>	<b>Trent</b>
<b>0.2</b>	<b>0.6</b>	<b>3.0</b>	<b>51.5</b>	<b>14.9</b>	<b>10.9</b>	<b>16.9</b>	<b>2.1</b>	<b>F</b>	
-	-	1.6	58.1	5.4	3.6	26.1	5.1	M	Barnsley
-	-	2.0	56.8	11.7	9.1	18.1	2.3	F	
0.6	0.7	4.2	58.6	5.5	3.3	24.0	3.0	M	Doncaster
0.2	1.0	3.0	55.9	11.5	10.1	16.1	2.1	F	
0.2	0.4	3.6	57.5	5.8	5.7	23.9	2.8	M	Leicestershire
0.1	0.4	3.5	52.4	10.9	12.9	17.7	1.9	F	
-	0.7	2.4	51.3	10.5	4.8	24.9	5.4	M	Lincolnshire
0.0	1.0	2.2	47.1	17.4	13.3	17.2	1.7	F	
0.6	0.1	4.9	54.4	9.3	4.9	22.8	3.0	M	North Derbyshire
0.6	0.1	4.7	49.6	14.9	11.4	17.2	1.6	F	
0.1	0.2	5.0	53.7	10.2	2.6	22.1	6.1	M	North Nottinghamshire
0.1	0.6	3.5	49.6	21.2	6.6	15.4	2.9	F	
0.1	0.6	0.2	58.3	9.6	3.6	20.5	7.0	M	Nottingham
0.0	0.7	0.2	54.0	16.9	10.3	14.9	3.1	F	
-	1.0	3.0	59.8	6.3	2.3	23.6	4.0	M	Rotherham
-	1.6	3.1	57.2	13.2	6.2	17.0	1.8	F	
0.2	0.3	6.2	53.7	8.8	2.8	24.2	3.8	M	Sheffield
0.3	0.4	4.8	49.1	16.7	8.5	18.7	1.7	F	
0.3	0.3	5.0	56.4	9.6	3.6	21.8	3.0	M	Southern Derbyshire
0.6	0.6	3.3	50.2	16.3	11.0	16.2	1.8	F	
-	0.5	2.5	54.2	6.1	6.7	25.5	4.5	M	South Humber
-	0.2	2.3	52.7	9.2	16.2	17.1	2.3	F	



Table 19 - continued

Area of usual residence		Number of deaths by place of occurrence								
		Place of occurrence								
		Total deaths	Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places
			NHS	Other than NHS		NHS	Other than NHS			
<b>Anglia and Oxford</b>	<b>M</b>	<b>24,938</b>	<b>122</b>	<b>38</b>	<b>1,271</b>	<b>13,297</b>	<b>1,604</b>	<b>1,506</b>	<b>6,225</b>	<b>875</b>
	<b>F</b>	<b>26,670</b>	<b>128</b>	<b>53</b>	<b>1,263</b>	<b>13,021</b>	<b>2,912</b>	<b>3,907</b>	<b>4,949</b>	<b>437</b>
Bedfordshire	M	2,300	12	8	115	1,324	135	128	503	75
	F	2,393	8	10	117	1,248	188	332	451	39
Berkshire	M	3,094	5	9	203	1,762	188	128	687	112
	F	3,407	5	10	199	1,776	367	437	567	46
Buckinghamshire	M	2,660	4	7	178	1,409	188	106	684	84
	F	2,914	10	12	219	1,413	364	355	499	42
Cambridge and Huntingdon	M	1,894	16	1	85	963	101	106	557	65
	F	2,028	34	1	81	964	165	326	423	34
East Norfolk	M	3,683	35	-	139	1,807	273	376	932	121
	F	3,825	41	-	131	1,649	429	802	692	81
Northamptonshire	M	2,971	9	13	132	1,630	201	197	669	120
	F	3,098	6	14	126	1,548	389	466	503	46
North West Anglia	M	2,304	11	-	71	1,208	125	147	658	84
	F	2,348	9	-	57	1,137	240	349	501	55
Oxfordshire	M	2,567	7	-	176	1,310	162	128	697	87
	F	2,838	-	2	201	1,320	333	357	580	45
Suffolk	M	3,465	23	-	172	1,884	231	190	838	127
	F	3,819	15	4	132	1,966	437	483	733	49
<b>North Thames</b>	<b>M</b>	<b>30,657</b>	<b>131</b>	<b>39</b>	<b>1,278</b>	<b>19,178</b>	<b>1,511</b>	<b>1,029</b>	<b>6,613</b>	<b>878</b>
	<b>F</b>	<b>32,674</b>	<b>191</b>	<b>65</b>	<b>1,269</b>	<b>19,257</b>	<b>2,949</b>	<b>3,043</b>	<b>5,375</b>	<b>525</b>
Barking and Havering	M	1,955	7	-	83	1,318	78	47	380	42
	F	2,102	5	1	95	1,320	197	149	301	34
Barnet	M	1,344	-	-	72	831	104	72	231	34
	F	1,664	1	-	80	940	159	237	225	22
Brent and Harrow	M	1,859	-	1	48	1,164	130	47	414	55
	F	1,894	-	7	39	1,139	206	162	300	41
Camden and Islington	M	1,606	-	1	101	1,011	29	40	369	55
	F	1,470	-	3	102	944	42	51	302	26
Ealing, Hammersmith and Hounslow	M	2,729	2	6	160	1,754	119	43	564	81
	F	2,766	3	9	136	1,748	217	205	406	42
East and North Hertfordshire	M	2,225	1	-	92	1,364	161	51	493	63
	F	2,458	5	-	123	1,374	332	194	384	46
East London and The City	M	2,526	11	2	180	1,673	52	26	518	64
	F	2,170	4	3	155	1,461	85	73	352	37
Enfield and Haringey	M	1,922	39	2	86	1,236	87	48	377	47
	F	2,062	61	3	78	1,236	175	185	295	29
Hillingdon	M	1,053	1	-	4	726	40	20	230	32
	F	1,119	-	-	2	742	84	71	202	18
Kensington & Chelsea and Westminster	M	1,320	1	-	86	734	104	53	310	32
	F	1,358	-	-	63	811	158	49	256	21
North Essex	M	4,519	27	2	136	2,558	257	257	1,116	166
	F	4,925	26	6	162	2,502	519	735	894	81
Redbridge and Waltham Forest	M	1,970	13	12	57	1,397	57	49	339	46
	F	2,208	23	17	83	1,505	116	167	258	39
South Essex	M	3,394	13	1	113	2,077	162	130	780	118
	F	3,787	26	8	104	2,137	352	387	714	59
West Hertfordshire	M	2,235	16	12	60	1,335	131	146	492	43
	F	2,691	37	8	47	1,398	307	378	486	30
<b>South Thames</b>	<b>M</b>	<b>33,039</b>	<b>56</b>	<b>127</b>	<b>2,162</b>	<b>18,687</b>	<b>2,647</b>	<b>1,627</b>	<b>6,768</b>	<b>965</b>
	<b>F</b>	<b>38,379</b>	<b>68</b>	<b>237</b>	<b>2,193</b>	<b>19,303</b>	<b>5,732</b>	<b>4,553</b>	<b>5,749</b>	<b>544</b>
Bexley and Greenwich	M	2,024	12	6	98	1,368	105	37	364	34
	F	2,199	9	10	97	1,380	174	131	362	36
Bromley	M	1,346	-	1	81	781	87	45	312	39
	F	1,679	-	2	117	905	214	153	261	27
Croydon	M	1,314	2	3	105	804	84	36	249	31
	F	1,506	1	5	109	815	199	113	245	19
East Kent	M	3,528	8	32	230	1,895	244	250	750	119
	F	4,028	11	15	177	1,968	520	687	586	64
East Surrey	M	2,014	5	1	165	1,100	208	100	387	48
	F	2,377	10	3	166	1,169	442	242	324	21

England and Wales, England, Wales,  
regional offices and health authorities

## Percentage of deaths by place of occurrence

## Area of usual residence

## Place of occurrence

Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places		
NHS	Other than NHS		NHS	Other than NHS					
<b>0.5</b>	<b>0.2</b>	<b>5.1</b>	<b>53.3</b>	<b>6.4</b>	<b>6.0</b>	<b>25.0</b>	<b>3.5</b>	<b>M</b>	<b>Anglia and Oxford</b>
<b>0.5</b>	<b>0.2</b>	<b>4.7</b>	<b>48.8</b>	<b>10.9</b>	<b>14.6</b>	<b>18.6</b>	<b>1.6</b>	<b>F</b>	
0.5	0.3	5.0	57.6	5.9	5.6	21.9	3.3	M	Bedfordshire
0.3	0.4	4.9	52.2	7.9	13.9	18.8	1.6	F	
0.2	0.3	6.6	56.9	6.1	4.1	22.2	3.6	M	Berkshire
0.1	0.3	5.8	52.1	10.8	12.8	16.6	1.4	F	
0.2	0.3	6.7	53.0	7.1	4.0	25.7	3.2	M	Buckinghamshire
0.3	0.4	7.5	48.5	12.5	12.2	17.1	1.4	F	
0.8	0.1	4.5	50.8	5.3	5.6	29.4	3.4	M	Cambridge and Huntingdon
1.7	0.0	4.0	47.5	8.1	16.1	20.9	1.7	F	
1.0	-	3.8	49.1	7.4	10.2	25.3	3.3	M	East Norfolk
1.1	-	3.4	43.1	11.2	21.0	18.1	2.1	F	
0.3	0.4	4.4	54.9	6.8	6.6	22.5	4.0	M	Northamptonshire
0.2	0.5	4.1	50.0	12.6	15.0	16.2	1.5	F	
0.5	-	3.1	52.4	5.4	6.4	28.6	3.6	M	North West Anglia
0.4	-	2.4	48.4	10.2	14.9	21.3	2.3	F	
0.3	-	6.9	51.0	6.3	5.0	27.2	3.4	M	Oxfordshire
-	0.1	7.1	46.5	11.7	12.6	20.4	1.6	F	
0.7	-	5.0	54.4	6.7	5.5	24.2	3.7	M	Suffolk
0.4	0.1	3.5	51.5	11.4	12.6	19.2	1.3	F	
<b>0.4</b>	<b>0.1</b>	<b>4.2</b>	<b>62.6</b>	<b>4.9</b>	<b>3.4</b>	<b>21.6</b>	<b>2.9</b>	<b>M</b>	<b>North Thames</b>
<b>0.6</b>	<b>0.2</b>	<b>3.9</b>	<b>58.9</b>	<b>9.0</b>	<b>9.3</b>	<b>16.5</b>	<b>1.6</b>	<b>F</b>	
0.4	-	4.2	67.4	4.0	2.4	19.4	2.1	M	Barking and Havering
0.2	0.0	4.5	62.8	9.4	7.1	14.3	1.6	F	
-	-	5.4	61.8	7.7	5.4	17.2	2.5	M	Barnet
0.1	-	4.8	56.5	9.6	14.2	13.5	1.3	F	
-	0.1	2.6	62.6	7.0	2.5	22.3	3.0	M	Brent and Harrow
-	0.4	2.1	60.1	10.9	8.6	15.8	2.2	F	
-	0.1	6.3	63.0	1.8	2.5	23.0	3.4	M	Camden and Islington
-	0.2	6.9	64.2	2.9	3.5	20.5	1.8	F	
0.1	0.2	5.9	64.3	4.4	1.6	20.7	3.0	M	Ealing, Hammersmith and Hounslow
0.1	0.3	4.9	63.2	7.8	7.4	14.7	1.5	F	
0.0	-	4.1	61.3	7.2	2.3	22.2	2.8	M	East and North Hertfordshire
0.2	-	5.0	55.9	13.5	7.9	15.6	1.9	F	
0.4	0.1	7.1	66.2	2.1	1.0	20.5	2.5	M	East London and The City
0.2	0.1	7.1	67.3	3.9	3.4	16.2	1.7	F	
2.0	0.1	4.5	64.3	4.5	2.5	19.6	2.4	M	Enfield and Haringey
3.0	0.1	3.8	59.9	8.5	9.0	14.3	1.4	F	
0.1	-	0.4	68.9	3.8	1.9	21.8	3.0	M	Hillingdon
-	-	0.2	66.3	7.5	6.3	18.1	1.6	F	
0.1	-	6.5	55.6	7.9	4.0	23.5	2.4	M	Kensington & Chelsea and Westminster
-	-	4.6	59.7	11.6	3.6	18.9	1.5	F	
0.6	0.0	3.0	56.6	5.7	5.7	24.7	3.7	M	North Essex
0.5	0.1	3.3	50.8	10.5	14.9	18.2	1.6	F	
0.7	0.6	2.9	70.9	2.9	2.5	17.2	2.3	M	Redbridge and Waltham Forest
1.0	0.8	3.8	68.2	5.3	7.6	11.7	1.8	F	
0.4	0.0	3.3	61.2	4.8	3.8	23.0	3.5	M	South Essex
0.7	0.2	2.7	56.4	9.3	10.2	18.9	1.6	F	
0.7	0.5	2.7	59.7	5.9	6.5	22.0	1.9	M	West Hertfordshire
1.4	0.3	1.7	52.0	11.4	14.0	18.1	1.1	F	
<b>0.2</b>	<b>0.4</b>	<b>6.5</b>	<b>56.6</b>	<b>8.0</b>	<b>4.9</b>	<b>20.5</b>	<b>2.9</b>	<b>M</b>	<b>South Thames</b>
<b>0.2</b>	<b>0.6</b>	<b>5.7</b>	<b>50.3</b>	<b>14.9</b>	<b>11.9</b>	<b>15.0</b>	<b>1.4</b>	<b>F</b>	
0.6	0.3	4.8	67.6	5.2	1.8	18.0	1.7	M	Bexley and Greenwich
0.4	0.5	4.4	62.8	7.9	6.0	16.5	1.6	F	
-	0.1	6.0	58.0	6.5	3.3	23.2	2.9	M	Bromley
-	0.1	7.0	53.9	12.7	9.1	15.5	1.6	F	
0.2	0.2	8.0	61.2	6.4	2.7	18.9	2.4	M	Croydon
0.1	0.3	7.2	54.1	13.2	7.5	16.3	1.3	F	
0.2	0.9	6.5	53.7	6.9	7.1	21.3	3.4	M	East Kent
0.3	0.4	4.4	48.9	12.9	17.1	14.5	1.6	F	
0.2	0.0	8.2	54.6	10.3	5.0	19.2	2.4	M	East Surrey
0.4	0.1	7.0	49.2	18.6	10.2	13.6	0.9	F	

Table 19 - continued

Area of usual residence		Number of deaths by place of occurrence								
		Place of occurrence								
		Total deaths	Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places
			NHS	Other than NHS		NHS	Other than NHS			
East Sussex, Brighton and Hove	M	4,422	3	12	234	2,296	572	248	912	145
	F	5,552	3	50	223	2,299	1,364	703	842	68
Kingston and Richmond	M	1,361	-	15	67	843	82	61	258	35
	F	1,616	-	32	93	950	117	146	245	33
Lambeth, Southwark and Lewisham	M	3,148	2	3	220	1,966	125	71	678	83
	F	3,081	3	8	198	1,956	267	148	460	41
Merton, Sutton and Wandsworth	M	2,628	4	13	176	1,714	115	108	442	56
	F	3,131	5	21	186	1,847	241	318	474	39
West Kent	M	4,385	11	11	261	2,360	296	246	1,054	146
	F	4,873	11	30	266	2,343	638	711	803	71
West Surrey	M	2,775	1	1	178	1,602	222	123	553	95
	F	3,264	1	1	186	1,594	559	403	466	54
West Sussex	M	4,094	8	29	347	1,958	507	302	809	134
	F	5,073	14	60	375	2,077	997	798	681	71
South and West	M	34,862	222	60	1,456	18,042	3,144	2,137	8,624	1,177
	F	38,635	245	83	1,429	18,072	6,100	5,688	6,448	570
Avon	M	4,640	76	12	140	2,427	496	175	1,179	135
	F	5,226	107	21	138	2,437	1,122	455	875	71
Cornwall and Isles of Scilly	M	2,794	5	6	163	1,285	241	179	798	117
	F	3,021	4	9	183	1,291	390	522	565	57
Dorset	M	4,123	9	6	146	2,329	426	184	920	103
	F	4,762	6	10	137	2,363	883	575	732	56
Gloucestershire	M	2,858	24	9	96	1,486	206	166	775	96
	F	3,088	18	11	97	1,480	480	423	535	44
Isle of Wight	M	861	3	6	99	366	83	76	197	31
	F	941	-	10	91	379	159	158	133	11
North and East Devon	M	2,823	24	5	108	1,488	207	188	696	107
	F	3,191	26	5	113	1,466	459	518	557	47
North and Mid Hampshire	M	2,288	9	6	163	1,141	163	154	554	98
	F	2,517	7	10	147	1,187	303	399	426	38
Portsmouth and South East Hampshire	M	2,734	36	1	113	1,333	318	210	650	73
	F	3,032	35	4	96	1,402	390	560	495	50
Somerset	M	2,796	7	2	83	1,433	283	204	689	95
	F	3,011	13	2	71	1,461	512	415	487	50
Southampton and South West Hampshire	M	2,754	4	1	51	1,616	187	165	644	86
	F	2,945	4	1	54	1,504	375	496	479	32
South and West Devon	M	3,441	8	4	214	1,690	345	244	822	114
	F	3,869	7	-	220	1,574	656	711	637	64
Wiltshire	M	2,750	17	2	80	1,448	189	192	700	122
	F	3,032	18	-	82	1,528	371	456	527	50
West Midlands	M	27,144	139	58	1,046	15,585	2,001	1,091	6,343	881
	F	28,735	137	66	961	15,025	3,777	3,270	4,988	511
Birmingham	M	5,106	15	2	293	3,063	297	125	1,123	188
	F	5,245	20	1	241	3,009	589	403	872	110
Coventry	M	1,553	-	-	29	986	89	59	333	57
	F	1,666	-	-	33	942	182	199	276	34
Dudley	M	1,622	11	-	24	948	115	71	383	70
	F	1,710	12	-	24	854	217	254	303	46
Herefordshire	M	914	-	1	58	449	87	69	221	29
	F	1,011	-	1	58	431	148	168	190	15
North Staffordshire	M	2,553	15	8	120	1,537	148	65	600	60
	F	2,725	2	8	133	1,561	312	230	437	42
Sandwell	M	1,806	59	1	29	1,095	148	25	392	57
	F	1,778	70	-	20	1,009	244	77	324	34
Shropshire	M	2,156	17	9	103	1,124	181	139	522	61
	F	2,292	16	16	111	1,052	313	368	388	28
Solihull	M	920	5	-	72	511	40	38	226	28
	F	860	4	-	58	459	61	99	162	17

England and Wales, England, Wales,  
regional offices and health authorities

## Percentage of deaths by place of occurrence

## Area of usual residence

## Place of occurrence

Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places		
NHS	Other than NHS		NHS	Other than NHS					
0.1	0.3	5.3	51.9	12.9	5.6	20.6	3.3	M	East Sussex, Brighton and Hove
0.1	0.9	4.0	41.4	24.6	12.7	15.2	1.2	F	
-	1.1	4.9	61.9	6.0	4.5	19.0	2.6	M	Kingston and Richmond
-	2.0	5.8	58.8	7.2	9.0	15.2	2.0	F	
0.1	0.1	7.0	62.5	4.0	2.3	21.5	2.6	M	Lambeth, Southwark
0.1	0.3	6.4	63.5	8.7	4.8	14.9	1.3	F	and Lewisham
0.2	0.5	6.7	65.2	4.4	4.1	16.8	2.1	M	Merton, Sutton and Wandsworth
0.2	0.7	5.9	59.0	7.7	10.2	15.1	1.2	F	
0.3	0.3	6.0	53.8	6.8	5.6	24.0	3.3	M	West Kent
0.2	0.6	5.5	48.1	13.1	14.6	16.5	1.5	F	
0.0	0.0	6.4	57.7	8.0	4.4	19.9	3.4	M	West Surrey
0.0	0.0	5.7	48.8	17.1	12.3	14.3	1.7	F	
0.2	0.7	8.5	47.8	12.4	7.4	19.8	3.3	M	West Sussex
0.3	1.2	7.4	40.9	19.7	15.7	13.4	1.4	F	
<b>0.6</b>	<b>0.2</b>	<b>4.2</b>	<b>51.8</b>	<b>9.0</b>	<b>6.1</b>	<b>24.7</b>	<b>3.4</b>	<b>M</b>	<b>South and West</b>
<b>0.6</b>	<b>0.2</b>	<b>3.7</b>	<b>46.8</b>	<b>15.8</b>	<b>14.7</b>	<b>16.7</b>	<b>1.5</b>	<b>F</b>	
1.6	0.3	3.0	52.3	10.7	3.8	25.4	2.9	M	Avon
2.0	0.4	2.6	46.6	21.5	8.7	16.7	1.4	F	
0.2	0.2	5.8	46.0	8.6	6.4	28.6	4.2	M	Cornwall and Isles of Scilly
0.1	0.3	6.1	42.7	12.9	17.3	18.7	1.9	F	
0.2	0.1	3.5	56.5	10.3	4.5	22.3	2.5	M	Dorset
0.1	0.2	2.9	49.6	18.5	12.1	15.4	1.2	F	
0.8	0.3	3.4	52.0	7.2	5.8	27.1	3.4	M	Gloucestershire
0.6	0.4	3.1	47.9	15.5	13.7	17.3	1.4	F	
0.3	0.7	11.5	42.5	9.6	8.8	22.9	3.6	M	Isle of Wight
-	1.1	9.7	40.3	16.9	16.8	14.1	1.2	F	
0.9	0.2	3.8	52.7	7.3	6.7	24.7	3.8	M	North and East Devon
0.8	0.2	3.5	45.9	14.4	16.2	17.5	1.5	F	
0.4	0.3	7.1	49.9	7.1	6.7	24.2	4.3	M	North and Mid Hampshire
0.3	0.4	5.8	47.2	12.0	15.9	16.9	1.5	F	
1.3	0.0	4.1	48.8	11.6	7.7	23.8	2.7	M	Portsmouth and South
1.2	0.1	3.2	46.2	12.9	18.5	16.3	1.6	F	East Hampshire
0.3	0.1	3.0	51.3	10.1	7.3	24.6	3.4	M	Somerset
0.4	0.1	2.4	48.5	17.0	13.8	16.2	1.7	F	
0.1	0.0	1.9	58.7	6.8	6.0	23.4	3.1	M	Southampton and South
0.1	0.0	1.8	51.1	12.7	16.8	16.3	1.1	F	West Hampshire
0.2	0.1	6.2	49.1	10.0	7.1	23.9	3.3	M	South and West Devon
0.2	-	5.7	40.7	17.0	18.4	16.5	1.7	F	
0.6	0.1	2.9	52.7	6.9	7.0	25.5	4.4	M	Wiltshire
0.6	-	2.7	50.4	12.2	15.0	17.4	1.6	F	
<b>0.5</b>	<b>0.2</b>	<b>3.9</b>	<b>57.4</b>	<b>7.4</b>	<b>4.0</b>	<b>23.4</b>	<b>3.2</b>	<b>M</b>	<b>West Midlands</b>
<b>0.5</b>	<b>0.2</b>	<b>3.3</b>	<b>52.3</b>	<b>13.1</b>	<b>11.4</b>	<b>17.4</b>	<b>1.8</b>	<b>F</b>	
0.3	0.0	5.7	60.0	5.8	2.4	22.0	3.7	M	Birmingham
0.4	0.0	4.6	57.4	11.2	7.7	16.6	2.1	F	
-	-	1.9	63.5	5.7	3.8	21.4	3.7	M	Coventry
-	-	2.0	56.5	10.9	11.9	16.6	2.0	F	
0.7	-	1.5	58.4	7.1	4.4	23.6	4.3	M	Dudley
0.7	-	1.4	49.9	12.7	14.9	17.7	2.7	F	
-	0.1	6.3	49.1	9.5	7.5	24.2	3.2	M	Herefordshire
-	0.1	5.7	42.6	14.6	16.6	18.8	1.5	F	
0.6	0.3	4.7	60.2	5.8	2.5	23.5	2.4	M	North Staffordshire
0.1	0.3	4.9	57.3	11.4	8.4	16.0	1.5	F	
3.3	0.1	1.6	60.6	8.2	1.4	21.7	3.2	M	Sandwell
3.9	-	1.1	56.7	13.7	4.3	18.2	1.9	F	
0.8	0.4	4.8	52.1	8.4	6.4	24.2	2.8	M	Shropshire
0.7	0.7	4.8	45.9	13.7	16.1	16.9	1.2	F	
0.5	-	7.8	55.5	4.3	4.1	24.6	3.0	M	Solihull
0.5	-	6.7	53.4	7.1	11.5	18.8	2.0	F	

Table 19 - continued

Area of usual residence		Number of deaths by place of occurrence								
		Place of occurrence								
		Total deaths	Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places
			NHS	Other than NHS		NHS	Other than NHS			
South Staffordshire	M	2,768	8	8	92	1,542	268	139	621	90
	F	3,076	5	12	91	1,495	535	412	474	52
Walsall	M	1,288	4	1	24	834	71	38	299	17
	F	1,347	3	2	30	772	128	124	269	19
Warwickshire	M	2,489	5	1	92	1,373	191	113	614	100
	F	2,713	4	-	82	1,404	367	338	468	50
Wolverhampton	M	1,304	-	2	62	790	64	51	307	28
	F	1,351	1	3	44	753	111	175	250	14
Worcestershire	M	2,665	-	25	48	1,333	302	159	702	96
	F	2,961	-	23	36	1,284	570	423	575	50
North West	M	35,503	21	133	1,936	20,394	2,755	1,309	7,758	1,197
	F	40,283	38	210	1,878	21,247	5,900	3,963	6,362	685
Bury and Rochdale	M	2,102	1	1	89	1,285	176	70	423	57
	F	2,267	1	-	92	1,270	360	195	315	34
East Lancashire	M	2,698	-	-	114	1,498	218	163	608	97
	F	3,158	1	-	116	1,625	385	504	484	43
Liverpool	M	2,590	-	5	123	1,550	215	61	531	105
	F	2,927	-	22	124	1,648	457	147	457	72
Manchester	M	2,423	-	4	112	1,482	169	65	532	59
	F	2,509	-	5	92	1,387	306	255	417	47
Morecambe Bay	M	1,761	2	-	150	873	143	91	431	71
	F	2,123	-	-	154	1,035	273	285	336	40
North Cheshire	M	1,518	4	19	98	841	104	34	357	61
	F	1,738	4	24	89	938	204	127	320	32
North West Lancashire	M	2,887	3	5	236	1,484	277	141	642	99
	F	3,310	8	3	201	1,556	636	362	505	39
St Helen's and Knowsley	M	1,811	1	8	38	1,151	114	34	393	72
	F	1,861	-	12	38	1,132	207	92	331	49
Salford and Trafford	M	2,431	2	-	162	1,443	125	134	504	61
	F	2,778	3	-	151	1,553	327	280	418	46
Sefton	M	1,608	1	16	111	884	154	69	295	78
	F	2,016	1	21	94	912	433	228	272	55
South Cheshire	M	3,375	3	33	194	1,818	325	115	751	136
	F	3,793	2	36	198	1,794	710	378	613	62
South Lancashire	M	1,399	2	5	87	752	153	48	319	33
	F	1,712	1	14	98	778	340	175	287	19
Stockport	M	1,445	-	26	82	869	67	57	303	41
	F	1,697	-	42	94	890	176	210	264	21
West Pennine	M	2,612	1	6	96	1,527	160	110	628	84
	F	2,869	2	12	100	1,628	310	309	460	48
Wigan and Bolton	M	2,969	-	1	162	1,818	178	76	647	87
	F	3,313	15	3	150	1,918	357	291	536	43
Wirral	M	1,874	1	4	82	1,119	177	41	394	56
	F	2,212	-	16	87	1,183	419	125	347	35
Wales	M	16,152	124	32	277	9,699	897	578	4,006	539
	F	17,830	128	46	240	10,142	2,112	1,695	3,150	317
Bro Taf	M	3,689	30	2	150	2,284	160	124	843	96
	F	4,109	18	2	108	2,475	335	390	711	70
Dyfed Powys	M	2,810	17	2	5	1,625	126	155	764	116
	F	3,163	19	1	11	1,699	258	454	653	68
Gwent	M	2,980	8	8	56	1,825	183	79	739	82
	F	3,182	10	10	59	1,863	481	159	547	53
Morgannwg	M	2,830	61	2	1	1,710	183	53	725	95
	F	3,085	72	16	3	1,739	437	205	565	48
North Wales	M	3,843	8	18	65	2,255	245	167	935	150
	F	4,291	9	17	59	2,366	601	487	674	78

England and Wales, England, Wales,  
regional offices and health authorities

Percentage of deaths by place of occurrence								Area of usual residence	
Place of occurrence									
Psychiatric hospitals		Hospices	Other hospitals and communal establishments for the care of the sick		Other communal establishments	At home	In other private houses and other places		
NHS	Other than NHS		NHS	Other than NHS					
0.3	0.3	3.3	55.7	9.7	5.0	22.4	3.3	M	South Staffordshire
0.2	0.4	3.0	48.6	17.4	13.4	15.4	1.7	F	
0.3	0.1	1.9	64.8	5.5	3.0	23.2	1.3	M	Walsall
0.2	0.1	2.2	57.3	9.5	9.2	20.0	1.4	F	
0.2	0.0	3.7	55.2	7.7	4.5	24.7	4.0	M	Warwickshire
0.1	-	3.0	51.8	13.5	12.5	17.3	1.8	F	
-	0.2	4.8	60.6	4.9	3.9	23.5	2.1	M	Wolverhampton
0.1	0.2	3.3	55.7	8.2	13.0	18.5	1.0	F	
-	0.9	1.8	50.0	11.3	6.0	26.3	3.6	M	Worcestershire
-	0.8	1.2	43.4	19.3	14.3	19.4	1.7	F	
<b>0.1</b>	<b>0.4</b>	<b>5.5</b>	<b>57.4</b>	<b>7.8</b>	<b>3.7</b>	<b>21.9</b>	<b>3.4</b>	<b>M</b>	<b>North West</b>
<b>0.1</b>	<b>0.5</b>	<b>4.7</b>	<b>52.7</b>	<b>14.6</b>	<b>9.8</b>	<b>15.8</b>	<b>1.7</b>	<b>F</b>	
0.0	0.0	4.2	61.1	8.4	3.3	20.1	2.7	M	Bury and Rochdale
0.0	-	4.1	56.0	15.9	8.6	13.9	1.5	F	
-	-	4.2	55.5	8.1	6.0	22.5	3.6	M	East Lancashire
0.0	-	3.7	51.5	12.2	16.0	15.3	1.4	F	
-	0.2	4.7	59.8	8.3	2.4	20.5	4.1	M	Liverpool
-	0.8	4.2	56.3	15.6	5.0	15.6	2.5	F	
-	0.2	4.6	61.2	7.0	2.7	22.0	2.4	M	Manchester
-	0.2	3.7	55.3	12.2	10.2	16.6	1.9	F	
0.1	-	8.5	49.6	8.1	5.2	24.5	4.0	M	Morecambe Bay
-	-	7.3	48.8	12.9	13.4	15.8	1.9	F	
0.3	1.3	6.5	55.4	6.9	2.2	23.5	4.0	M	North Cheshire
0.2	1.4	5.1	54.0	11.7	7.3	18.4	1.8	F	
0.1	0.2	8.2	51.4	9.6	4.9	22.2	3.4	M	North West Lancashire
0.2	0.1	6.1	47.0	19.2	10.9	15.3	1.2	F	
0.1	0.4	2.1	63.6	6.3	1.9	21.7	4.0	M	St Helen's and Knowsley
-	0.6	2.0	60.8	11.1	4.9	17.8	2.6	F	
0.1	-	6.7	59.4	5.1	5.5	20.7	2.5	M	Salford and Trafford
0.1	-	5.4	55.9	11.8	10.1	15.0	1.7	F	
0.1	1.0	6.9	55.0	9.6	4.3	18.3	4.9	M	Sefton
0.0	1.0	4.7	45.2	21.5	11.3	13.5	2.7	F	
0.1	1.0	5.7	53.9	9.6	3.4	22.3	4.0	M	South Cheshire
0.1	0.9	5.2	47.3	18.7	10.0	16.2	1.6	F	
0.1	0.4	6.2	53.8	10.9	3.4	22.8	2.4	M	South Lancashire
0.1	0.8	5.7	45.4	19.9	10.2	16.8	1.1	F	
-	1.8	5.7	60.1	4.6	3.9	21.0	2.8	M	Stockport
-	2.5	5.5	52.4	10.4	12.4	15.6	1.2	F	
0.0	0.2	3.7	58.5	6.1	4.2	24.0	3.2	M	West Pennine
0.1	0.4	3.5	56.7	10.8	10.8	16.0	1.7	F	
-	0.0	5.5	61.2	6.0	2.6	21.8	2.9	M	Wigan and Bolton
0.5	0.1	4.5	57.9	10.8	8.8	16.2	1.3	F	
0.1	0.2	4.4	59.7	9.4	2.2	21.0	3.0	M	Wirral
-	0.7	3.9	53.5	18.9	5.7	15.7	1.6	F	
<b>0.8</b>	<b>0.2</b>	<b>1.7</b>	<b>60.0</b>	<b>5.6</b>	<b>3.6</b>	<b>24.8</b>	<b>3.3</b>	<b>M</b>	<b>Wales</b>
<b>0.7</b>	<b>0.3</b>	<b>1.3</b>	<b>56.9</b>	<b>11.8</b>	<b>9.5</b>	<b>17.7</b>	<b>1.8</b>	<b>F</b>	
0.8	0.1	4.1	61.9	4.3	3.4	22.9	2.6	M	Bro Taf
0.4	0.0	2.6	60.2	8.2	9.5	17.3	1.7	F	
0.6	0.1	0.2	57.8	4.5	5.5	27.2	4.1	M	Dyfed Powys
0.6	0.0	0.3	53.7	8.2	14.4	20.6	2.1	F	
0.3	0.3	1.9	61.2	6.1	2.7	24.8	2.8	M	Gwent
0.3	0.3	1.9	58.5	15.1	5.0	17.2	1.7	F	
2.2	0.1	0.0	60.4	6.5	1.9	25.6	3.4	M	Morgannwg
2.3	0.5	0.1	56.4	14.2	6.6	18.3	1.6	F	
0.2	0.5	1.7	58.7	6.4	4.3	24.3	3.9	M	North Wales
0.2	0.4	1.4	55.1	14.0	11.3	15.7	1.8	F	

To link to Excel version of the table - click  
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Table 20 Deaths: country of birth of deceased and sex, 1971, 1981, 1991 and 1998

England and Wales

Country of birth†		1971	1981	1991	1998
<b>Total</b>	<b>M</b>	<b>288,359</b>	<b>289,022</b>	<b>277,582</b>	<b>264,707</b>
	<b>F</b>	<b>278,903</b>	<b>288,868</b>	<b>292,462</b>	<b>290,308</b>
	<b>P</b>	<b>567,262</b>	<b>577,890</b>	<b>570,044</b>	<b>555,015</b>
<i>United Kingdom</i>	M	275,987	273,541	259,004	243,635
	F	268,638	276,573	277,483	272,246
	P	544,625	550,114	536,487	515,881
England and Wales	M	269,590	266,056	250,913	235,108
	F	263,404	270,345	270,506	264,497
	P	532,994	536,401	521,419	499,605
Scotland	M	5,057	5,859	6,249	6,392
	F	4,118	4,788	5,441	5,747
	P	9,175	10,647	11,690	12,139
Northern Ireland	M	1,087	1,355	1,594	1,629
	F	803	1,118	1,267	1,527
	P	1,890	2,473	2,861	3,156
Elsewhere	M	253	271	248	506
	F	313	322	269	475
	P	566	593	517	981
<i>Outside the United Kingdom</i>	M	12,372	15,481	18,578	21,072
	F	10,265	12,295	14,979	18,062
	P	22,637	27,776	33,557	39,134
Irish Republic	M	4,376	5,149	5,649	5,686
	F	3,687	4,249	4,834	5,244
	P	8,063	9,398	10,483	10,930
<b>Other European Union</b>	M	1,358	1,430	1,752	1,767
	F	1,680	2,032	2,526	2,902
	P	3,038	3,462	4,278	4,669
<i>of which</i> Germany	M	318	427	542	559
	F	532	708	959	1,119
	P	850	1,135	1,501	1,678
France	M	146	122	141	149
	F	336	332	265	242
	P	482	454	406	391
<b>Rest of Europe</b>	M	2,261	2,828	2,967	2,814
	F	1,385	1,413	1,410	1,418
	P	3,646	4,241	4,377	4,232
<i>of which</i> Poland	M	1,183	1,633	1,682	1,531
	F	589	620	595	650
	P	1,772	2,253	2,277	2,181
Russia and former Soviet Republics	M	649	710	705	671
	F	494	400	342	297
	P	1,143	1,110	1,047	968

† Details of the groupings for countries of birth may be found in section 2.6.



Table 20 - *continued*

		England and Wales			
Country of birth†		1971	1981	1991	1998
<b>Commonwealth</b>					
<b>Australia, Canada and New Zealand</b>	M	604	545	675	677
	F	529	555	614	722
	P	1,133	1,100	1,289	1,399
<b>New Commonwealth</b>	M	2,872	4,339	6,244	7,497
	F	2,162	3,123	4,454	5,554
	P	5,034	7,462	10,698	13,051
<b>Asia</b>					
Bangladesh*	M	-	114	270	373
	F	-	14	49	119
	P	-	128	319	492
India	M	1,194	1,876	2,374	2,627
	F	1,043	1,439	1,880	2,202
	P	2,237	3,315	4,254	4,829
Pakistan*	M	231	326	606	788
	F	65	125	291	482
	P	296	451	897	1,270
East Africa	M	61	179	360	528
	F	43	107	187	299
	P	104	286	547	827
Southern Africa	M	223	275	281	272
	F	233	268	365	375
	P	456	543	646	647
Rest of Africa	M	145	158	272	402
	F	64	91	165	205
	P	209	249	437	607
Far East**	M	102	160	217	142
	F	72	115	158	105
	P	174	275	375	247
Mediterranean	M	309	422	490	539
	F	198	361	383	480
	P	507	783	873	1,019
Caribbean	M	543	729	1,210	1,680
	F	378	525	863	1,123
	P	921	1,254	2,073	2,803
Rest of the New Commonwealth	M	64	100	164	146
	F	66	78	113	164
	P	130	178	277	310
<b>Rest of the World and not stated</b>	M	901	1,190	1,291	2,631
	F	822	923	1,141	2,222
	P	1,723	2,113	2,432	4,853

† Details of the groupings for countries of birth may be found in section 2.6.

\* Bangladesh is included with Pakistan for 1971.

\*\* Excludes Hong Kong from 1997.

To link to Excel version of the table - click on red box surrounding the table title

**Table 21 Deaths: coroner consultation\* and final method of certification\*, 1998**

**England and Wales**

Final method of certification	Total deaths	Percentage	Coroner consultation		
			Death initially certified by attending doctor† and reported to the coroner by the doctor	Death initially certified by attending doctor† and reported to the coroner by the registrar	Other deaths#
<b>Total deaths</b>	<b>555,015</b>	<b>100.0</b>	<b>156,280</b>	<b>6,270</b>	<b>392,465</b>
<b>Total deaths certified by medical practitioner</b>	<b>432,893</b>	<b>78.0</b>	<b>46,822</b>	<b>5,355</b>	<b>380,716</b>
With post-mortem	3,524	0.6	487	61	2,976
Without post-mortem	429,369	77.4	46,335	5,294	377,740
<b>Total deaths certified by coroner</b>	<b>121,585</b>	<b>21.9</b>	<b>109,059</b>	<b>835</b>	<b>11,691</b>
Inquest held	21,265	3.8	18,323	223	2,719
Inquest completed	20,365	3.7	17,556	222	2,587
Inquest adjourned	900	0.2	767	1	132
Post-mortem held and no inquest	100,320	18.1	90,736	612	8,972
<b>Uncertified</b>	<b>537</b>	<b>0.1</b>	<b>399</b>	<b>80</b>	<b>58</b>

\* See section 2.8 for more details

† The doctor in medical attendance during the deceased's last illness.

# Includes (a) deaths certified by attending doctor and not formally reported to the coroner, and (b) deaths where no doctor was in medical attendance during deceased's last illness.

To link to Excel version of the table - click on red box surrounding the table title.

This table spreads over 3 pages.

**Table 22 Deaths: method of certification†, underlying cause and sex, 1998** **England and Wales**

ICD 9 code	Underlying cause*		Total deaths	Certified by coroner		Certified by medical practitioner			Percentage	
				Inquest held	Post mortem without inquest	Without post mortem	With post mortem	Uncertified	Certified by coroner	Certified by coroner after inquest
	<b>All causes, all ages</b>	<b>M</b>	<b>264,707</b>	<b>15,118</b>	<b>55,799</b>	<b>191,674</b>	<b>1,870</b>	<b>246</b>	<b>27</b>	<b>6</b>
		<b>F</b>	<b>290,308</b>	<b>6,147</b>	<b>44,521</b>	<b>237,695</b>	<b>1,654</b>	<b>291</b>	<b>17</b>	<b>2</b>
	<b>All causes, ages under 28 days</b>	<b>M</b>	<b>1,386</b>	<b>36</b>	<b>82</b>	<b>1,075</b>	<b>185</b>	<b>8</b>	<b>9</b>	<b>3</b>
		<b>F</b>	<b>1,032</b>	<b>28</b>	<b>72</b>	<b>774</b>	<b>149</b>	<b>9</b>	<b>10</b>	<b>3</b>
	<b>All causes, 28 days and over</b>	<b>M</b>	<b>263,321</b>	<b>15,082</b>	<b>55,717</b>	<b>190,599</b>	<b>1,685</b>	<b>238</b>	<b>27</b>	<b>6</b>
		<b>F</b>	<b>289,276</b>	<b>6,119</b>	<b>44,449</b>	<b>236,921</b>	<b>1,505</b>	<b>282</b>	<b>17</b>	<b>2</b>
<b>001-139</b>	<b>I Infectious and parasitic diseases</b>	<b>M</b>	<b>1,770</b>	<b>64</b>	<b>246</b>	<b>1,406</b>	<b>53</b>	<b>1</b>	<b>18</b>	<b>4</b>
		<b>F</b>	<b>1,640</b>	<b>40</b>	<b>200</b>	<b>1,362</b>	<b>37</b>	<b>1</b>	<b>15</b>	<b>2</b>
001-009	Intestinal infectious diseases	M	164	7	22	132	3	-	18	4
		F	254	5	32	215	2	-	15	2
010-018	Tuberculosis (excluding late effects)	M	264	10	68	180	6	-	30	4
		F	128	4	26	95	3	-	23	3
036	Meningococcal infection	M	94	3	15	74	2	-	19	3
		F	116	3	17	93	3	-	17	3
038	Septicaemia	M	570	8	71	473	17	1	14	1
		F	662	14	64	573	11	-	12	2
042-044	HIV infection	M	129	4	8	110	7	-	9	3
		F	34	1	6	26	1	-	21	3
112	Candidiasis	M	19	-	-	17	2	-	-	-
		F	11	-	-	11	-	-	-	-
137	Late effects of tuberculosis	M	33	1	3	29	-	-	12	3
		F	28	-	6	22	-	-	21	-
<b>140-239</b>	<b>II Neoplasms</b>	<b>M</b>	<b>72,030</b>	<b>1,556</b>	<b>3,303</b>	<b>66,698</b>	<b>410</b>	<b>63</b>	<b>7</b>	<b>2</b>
		<b>F</b>	<b>66,276</b>	<b>288</b>	<b>2,687</b>	<b>62,907</b>	<b>335</b>	<b>59</b>	<b>4</b>	<b>0</b>
151	Malignant neoplasm of stomach	M	3,943	22	192	3,699	24	6	5	1
		F	2,499	11	134	2,346	4	4	6	0
153	Malignant neoplasm of colon	M	4,985	29	319	4,609	26	2	7	1
		F	5,185	27	351	4,783	18	6	7	1
162	Malignant neoplasm of trachea, bronchus and lung	M	19,036	375	1,191	17,372	79	19	8	2
		F	11,163	28	602	10,471	54	8	6	0
174	Malignant neoplasm of female breast	F	11,759	10	217	11,483	40	9	2	0
195	Malignant neoplasm of other and ill-defined sites	M	179	8	7	162	2	-	8	4
		F	328	2	11	312	3	-	4	1
199	Malignant neoplasm without specification of site	M	7,062	583	164	6,250	58	7	11	8
		F	6,852	66	122	6,613	44	7	3	1
204-208	Leukaemia	M	1,928	6	61	1,834	24	3	3	0
		F	1,623	1	42	1,564	16	-	3	0
<b>240-279</b>	<b>III Endocrine, nutritional and metabolic diseases and immunity disorders</b>	<b>M</b>	<b>3,504</b>	<b>62</b>	<b>311</b>	<b>3,087</b>	<b>41</b>	<b>3</b>	<b>11</b>	<b>2</b>
		<b>F</b>	<b>4,038</b>	<b>44</b>	<b>290</b>	<b>3,670</b>	<b>29</b>	<b>5</b>	<b>8</b>	<b>1</b>
250	Diabetes mellitus	M	2,800	37	204	2,534	24	1	9	1
		F	3,138	22	145	2,950	17	4	5	1
<b>280-289</b>	<b>IV Diseases of blood and blood-forming organs</b>	<b>M</b>	<b>879</b>	<b>9</b>	<b>63</b>	<b>794</b>	<b>13</b>	<b>-</b>	<b>8</b>	<b>1</b>
		<b>F</b>	<b>1,058</b>	<b>8</b>	<b>53</b>	<b>987</b>	<b>10</b>	<b>-</b>	<b>6</b>	<b>1</b>
<b>290-319</b>	<b>V Mental disorders</b>	<b>M</b>	<b>3,649</b>	<b>748</b>	<b>131</b>	<b>2,757</b>	<b>11</b>	<b>2</b>	<b>24</b>	<b>20</b>
		<b>F</b>	<b>6,781</b>	<b>196</b>	<b>179</b>	<b>6,383</b>	<b>11</b>	<b>12</b>	<b>6</b>	<b>3</b>
290	Senile and presenile organic psychotic conditions	M	2,032	3	32	1,989	7	1	2	0
		F	5,092	5	73	4,997	5	12	2	0
298	Other nonorganic psychoses	M	556	5	7	542	1	1	2	1
		F	1,143	3	39	1,097	4	-	4	0
304	Drug dependence	M	324	324	-	-	-	-	100	100
		F	75	75	-	-	-	-	100	100
305	Nondependent abuse of drugs	M	399	360	12	27	-	-	93	90
		F	97	82	4	11	-	-	89	85
<b>320-389</b>	<b>VI Diseases of the nervous system and sense organs</b>	<b>M</b>	<b>4,695</b>	<b>160</b>	<b>572</b>	<b>3,921</b>	<b>38</b>	<b>4</b>	<b>16</b>	<b>3</b>
		<b>F</b>	<b>5,340</b>	<b>91</b>	<b>464</b>	<b>4,743</b>	<b>35</b>	<b>7</b>	<b>10</b>	<b>2</b>
320-322	Meningitis	M	115	6	45	61	3	-	44	5
		F	101	2	40	53	6	-	42	2

\* The figures for individual cause categories exclude deaths under 28 days.

† See section 2.9 for more details.

Table 22 - continued

England and Wales

ICD 9 code	Underlying cause*		Total deaths	Certified by coroner		Certified by medical practitioner			Percentage	
				Inquest held	Post mortem without inquest	Without post mortem	With post mortem	Uncertified	Certified by coroner	Certified by coroner after inquest
331.0	Alzheimer's disease	M	731	2	18	709	2	-	3	0
		F	1,643	7	44	1,585	5	2	3	0
332	Parkinson's disease	M	1,491	3	37	1,441	7	3	3	0
		F	1,225	1	18	1,195	8	3	2	0
335.2	Motor neurone disease	M	624	1	18	597	8	-	3	0
		F	548	5	19	522	2	-	4	1
<b>390-459</b>	<b>VII Diseases of the circulatory system</b>	<b>M</b>	<b>108,300</b>	<b>1,001</b>	<b>40,991</b>	<b>65,562</b>	<b>632</b>	<b>114</b>	<b>39</b>	<b>1</b>
		<b>F</b>	<b>118,377</b>	<b>450</b>	<b>30,145</b>	<b>87,129</b>	<b>561</b>	<b>92</b>	<b>26</b>	<b>0</b>
393-398	Chronic rheumatic heart disease	M	426	11	175	232	8	-	44	3
		F	1,203	9	424	763	7	-	36	1
401-405	Hypertensive disease	M	1,401	22	752	616	10	1	55	2
		F	1,721	12	706	993	8	2	42	1
410-414	Ischaemic heart disease	M	66,012	622	31,186	33,799	325	80	48	1
		F	55,025	208	19,456	35,066	245	50	36	0
415-429	Diseases of pulmonary circulation and other heart disease	M	10,162	177	2,704	7,160	110	11	28	2
		F	16,215	105	3,454	12,514	134	8	22	1
427.5	Cardiac arrest	M	126	9	2	111	3	1	9	7
		F	146	6	3	137	-	-	6	4
428.9	Heart failure unspecified	M	402	6	13	376	7	-	5	1
		F	685	5	26	651	3	-	5	1
430-438	Cerebrovascular disease	M	21,451	70	1,710	19,548	105	18	8	0
		F	36,065	52	2,197	33,672	118	26	6	0
<b>460-519</b>	<b>VIII Diseases of the respiratory system</b>	<b>M</b>	<b>40,778</b>	<b>1,145</b>	<b>5,594</b>	<b>33,752</b>	<b>254</b>	<b>33</b>	<b>17</b>	<b>3</b>
		<b>F</b>	<b>49,414</b>	<b>137</b>	<b>4,803</b>	<b>44,207</b>	<b>213</b>	<b>54</b>	<b>10</b>	<b>0</b>
480-486	Pneumonia	M	21,547	147	2,381	18,855	147	17	12	1
		F	33,084	61	2,751	30,097	137	38	8	0
490-493	Bronchitis, chronic and unspecified, emphysema and asthma	M	2,787	280	1,130	1,352	23	2	51	10
		F	2,102	25	795	1,270	11	1	39	1
<b>520-579</b>	<b>IX Diseases of the digestive system</b>	<b>M</b>	<b>9,371</b>	<b>259</b>	<b>3,297</b>	<b>5,658</b>	<b>151</b>	<b>6</b>	<b>38</b>	<b>3</b>
		<b>F</b>	<b>11,654</b>	<b>199</b>	<b>3,881</b>	<b>7,393</b>	<b>177</b>	<b>4</b>	<b>35</b>	<b>2</b>
531-533	Ulcer of stomach and duodenum	M	1,806	35	916	828	25	2	53	2
		F	2,129	23	942	1,135	29	-	45	1
540-543	Appendicitis	M	76	3	37	35	1	-	53	4
		F	68	3	26	39	-	-	43	4
550-553, 560	Intestinal obstruction and hernia	M	830	23	361	439	6	1	46	3
		F	1,212	11	467	723	10	1	39	1
571	Chronic liver disease and cirrhosis	M	2,771	101	773	1,870	26	1	32	4
		F	1,723	65	449	1,182	26	1	30	4
<b>580-629</b>	<b>X Diseases of the genitourinary system</b>	<b>M</b>	<b>3,037</b>	<b>28</b>	<b>295</b>	<b>2,684</b>	<b>28</b>	<b>2</b>	<b>11</b>	<b>1</b>
		<b>F</b>	<b>3,909</b>	<b>40</b>	<b>415</b>	<b>3,417</b>	<b>34</b>	<b>3</b>	<b>12</b>	<b>1</b>
584-586	Renal failure	M	1,273	5	37	1,216	13	2	3	0
		F	1,389	6	45	1,325	13	-	4	0
600	Hyperplasia of prostate	M	207	2	68	137	-	-	34	1
<b>630-676</b>	<b>XI Complications of pregnancy, childbirth and the puerperium</b>	<b>F</b>	<b>43</b>	<b>11</b>	<b>20</b>	<b>10</b>	<b>2</b>	<b>-</b>	<b>72</b>	<b>26</b>
630-639	Pregnancy with abortive outcome	F	7	1	4	2	-	-	71	14
<b>680-709</b>	<b>XII Diseases of the skin and subcutaneous tissue</b>	<b>M</b>	<b>296</b>	<b>2</b>	<b>26</b>	<b>263</b>	<b>5</b>	<b>-</b>	<b>9</b>	<b>1</b>
		<b>F</b>	<b>774</b>	<b>10</b>	<b>45</b>	<b>714</b>	<b>5</b>	<b>-</b>	<b>7</b>	<b>1</b>
<b>710-739</b>	<b>XIII Diseases of the musculoskeletal system and connective tissue</b>	<b>M</b>	<b>901</b>	<b>72</b>	<b>217</b>	<b>605</b>	<b>7</b>	<b>-</b>	<b>32</b>	<b>8</b>
		<b>F</b>	<b>2,665</b>	<b>141</b>	<b>556</b>	<b>1,942</b>	<b>21</b>	<b>5</b>	<b>26</b>	<b>5</b>
<b>740-759</b>	<b>XIV Congenital anomalies</b>	<b>M</b>	<b>627</b>	<b>18</b>	<b>231</b>	<b>356</b>	<b>22</b>	<b>-</b>	<b>40</b>	<b>3</b>
		<b>F</b>	<b>620</b>	<b>28</b>	<b>203</b>	<b>374</b>	<b>15</b>	<b>-</b>	<b>37</b>	<b>5</b>

\* The figures for individual cause categories exclude deaths under 28 days.

Table 22 - continued

England and Wales

ICD 9 code	Underlying cause*		Total deaths	Certified by coroner		Certified by medical practitioner			Percentage	
				Inquest held	Post mortem without inquest	Without post mortem	With post mortem	Uncertified	Certified by coroner	Certified by coroner after inquest
<b>760-779</b>	<b>XV Certain conditions originating in the perinatal period</b>	<b>M</b>	<b>82</b>	<b>2</b>	<b>3</b>	<b>70</b>	<b>7</b>	<b>-</b>	<b>6</b>	<b>2</b>
		<b>F</b>	<b>42</b>	<b>3</b>	<b>2</b>	<b>36</b>	<b>1</b>	<b>-</b>	<b>12</b>	<b>7</b>
761-763	Obstetric complications affecting fetus or newborn	M	2	-	-	2	-	-	-	-
		F	-	-	-	-	-	-	-	-
764-765	Slow fetal growth, fetal malnutrition and immaturity	M	5	-	-	5	-	-	-	-
		F	1	-	-	1	-	-	-	-
767	Birth trauma	M	2	-	-	2	-	-	-	-
		F	3	2	-	1	-	-	67	67
768-770	Hypoxia, birth asphyxia and other respiratory conditions	M	56	2	1	47	6	-	5	4
		F	33	-	2	30	1	-	6	-
<b>780-799</b>	<b>XVI Symptoms, signs and ill defined conditions</b>	<b>M</b>	<b>3,064</b>	<b>491</b>	<b>194</b>	<b>2,363</b>	<b>6</b>	<b>10</b>	<b>22</b>	<b>16</b>
		<b>F</b>	<b>10,782</b>	<b>229</b>	<b>204</b>	<b>10,301</b>	<b>9</b>	<b>39</b>	<b>4</b>	<b>2</b>
797	Senility without mention of psychosis	M	2,333	1	10	2,308	5	9	0	0
		F	10,282	3	86	10,147	8	38	1	0
798	Sudden death, cause unknown	M	178	42	135	1	-	-	99	24
		F	118	22	95	1	-	-	99	19
798.0	Sudden infant death syndrome	M	137	19	118	-	-	-	100	14
		F	99	11	87	1	-	-	99	11
798.1	Instantaneous death	M	41	23	17	1	-	-	98	56
		F	19	11	8	-	-	-	100	58
799	Other ill-defined and unknown causes of morbidity and mortality	M	529	444	40	44	-	1	91	84
		F	346	202	18	124	1	1	64	58
799.1	Respiratory failure	M	15	2	6	7	-	-	53	13
		F	30	1	3	26	-	-	13	3
799.9	Other unknown and unspecified cause	M	492	441	33	18	-	-	96	90
		F	263	201	15	47	-	-	82	76
<b>E800-E999</b>	<b>EXVII External causes of injury and poisoning</b>	<b>M</b>	<b>10,338</b>	<b>9,465</b>	<b>243</b>	<b>623</b>	<b>7</b>	<b>-</b>	<b>94</b>	<b>92</b>
		<b>F</b>	<b>5,863</b>	<b>4,204</b>	<b>302</b>	<b>1,346</b>	<b>10</b>	<b>1</b>	<b>77</b>	<b>72</b>
E800-E949	Accidents and adverse effects	M	5,950	5,077	243	623	7	-	89	85
		F	4,417	2,758	302	1,346	10	1	69	62
E800-E848	Transport accidents	M	2,273	2,267	3	3	-	-	100	100
		F	830	829	-	-	-	1	100	100
E810-E819	Motor vehicle traffic accidents	M	2,083	2,077	3	3	-	-	100	100
		F	795	794	-	-	-	1	100	100
E850-E869	Accidental poisoning	M	732	727	2	3	-	-	100	99
		F	312	310	2	-	-	-	100	99
E870-E879	Misadventures during medical care, abnormal reactions, late complications	M	130	43	23	62	2	-	51	33
		F	158	64	25	68	1	-	56	41
E880-E888	Accidental falls	M	1,533	1,039	118	372	4	-	75	68
		F	2,332	1,066	189	1,072	5	-	54	46
E887	Fracture, cause unspecified	M	486	14	105	363	4	-	24	3
		F	1,267	36	176	1,051	4	-	17	3
E888	Other and unspecified fall	M	483	461	13	9	-	-	98	95
		F	641	606	13	21	1	-	97	95
E890-E899	Accidents caused by fire and flames	M	223	219	3	1	-	-	100	98
		F	149	147	-	2	-	-	99	99
E900-E909	Accidents due to natural and environmental factors	M	111	59	28	24	-	-	78	53
		F	112	43	25	44	-	-	61	38
E910-E915	Accidents caused by submersion, suffocation and foreign bodies	M	432	392	19	21	-	-	95	91
		F	220	172	35	13	-	-	94	78
E916-E928	Other accidents	M	461	294	43	123	1	-	73	64
		F	279	110	26	139	4	-	49	39
E950-E959	Suicide and self inflicted injury	M	2,826	2,826	-	-	-	-	100	100
		F	788	788	-	-	-	-	100	100
E960-E969	Homicide and injury purposely inflicted by other persons	M	180	180	-	-	-	-	100	100
		F	106	106	-	-	-	-	100	100
E980-E989	Injury undetermined whether accidentally or purposely inflicted	M	1,381	1,381	-	-	-	-	100	100
		F	552	552	-	-	-	-	100	100
E988.8	Other specified means undetermined whether accidentally or purposely inflicted	M	278	278	-	-	-	-	100	100
		F	114	114	-	-	-	-	100	100

\* The figures for individual cause categories exclude deaths under 28 days.

# Expectation of life Series DH1 no. 31

To link to Excel version of the table - click red box surrounding the table title.

**Table 23 Expectation of life at birth and at ages 1 year, 15 years, 45 years and 65 years, 1838 to 1998\*** **England and Wales**  
(Supplied by the Government Actuary's Department)

	Year	Expectation of life at									
		Birth		Age 1		Age 15		Age 45		Age 65	
		Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
From English Life Table†											
No 1	1841	40.2	42.2	46.7	47.6	43.4	44.1	23.3	24.4	10.9	11.5
2	1838-44	40.4	42.0	47.0	47.4	43.6	44.1	23.1	24.2	10.9	11.6
3	1838-54	39.9	41.9	46.7	47.3	43.2	43.9	22.8	24.1	10.8	11.5
4	1871-80	41.4	44.6	48.1	50.1	43.4	45.6	22.1	24.1	10.6	11.4
5	1881-90	43.7	47.2	51.0	53.2	44.5	46.6	22.1	24.1	10.3	11.3
6	1891-1900	44.1	47.8	52.2	54.5	45.2	47.6	22.2	24.2	10.3	11.3
7	1901-10	48.5	52.4	55.7	58.3	47.3	50.1	23.3	25.5	10.8	12.0
8	1910-12	51.5	55.4	57.5	60.3	48.6	51.4	23.9	26.3	11.0	12.4
9	1920-22	55.6	59.6	60.1	63.0	50.1	53.1	25.2	27.7	11.4	12.9
10	1930-32	58.7	62.9	62.3	65.5	51.2	54.3	25.5	28.3	11.3	13.1
11	1950-52	66.4	71.5	67.7	72.4	54.4	59.0	26.5	30.8	11.7	14.3
12	1960-62	68.1	74.0	68.8	74.4	55.3	60.9	27.1	32.1	12.0	15.3
13	1970-72	69.0	75.3	69.4	75.4	55.8	61.8	27.4	32.9	12.2	16.1
14	1980-82	71.0	77.0	71.0	76.8	57.3	63.0	28.7	34.0	13.0	17.0
15	1990-92	73.4	79.0	73.0	78.5	59.3	64.7	30.7	35.5	14.3	18.1
From Interim Life Tables†											
	1980-82	71.0	77.0	71.0	76.8	57.3	63.0	28.7	34.0	13.0	17.0
	1981-83	71.3	77.2	71.2	76.9	57.5	63.2	28.9	34.1	13.1	17.1
	1982-84	71.6	77.5	71.4	77.2	57.7	63.4	29.1	34.3	13.3	17.3
	1983-85	71.8	77.6	71.5	77.3	57.8	63.5	29.2	34.4	13.3	17.3
	1984-86	72.0	77.8	71.7	77.4	58.0	63.6	29.4	34.5	13.4	17.4
	1985-87	72.1	77.9	71.9	77.5	58.2	63.8	29.5	34.6	13.5	17.5
	1986-88	72.4	78.1	72.2	77.8	58.4	64.0	29.8	34.8	13.7	17.7
	1987-89	72.7	78.3	72.4	77.9	58.7	64.1	30.0	35.0	13.9	17.8
	1988-90	72.9	78.5	72.6	78.1	58.8	64.3	30.2	35.1	14.0	17.9
	1989-91	73.1	78.7	72.8	78.2	59.0	64.4	30.4	35.3	14.1	17.9
	1990-92	73.4	79.0	73.0	78.5	59.3	64.7	30.7	35.5	14.3	18.1
	1991-93	73.6	79.1	73.2	78.5	59.4	64.7	30.8	35.5	14.3	18.1
	1992-94	74.0	79.3	73.5	78.7	59.7	64.9	31.1	35.7	14.5	18.3
	1993-95	74.1	79.4	73.6	78.8	59.8	65.0	31.2	35.8	14.6	18.3
	1994-96	74.4	79.6	73.9	79.0	60.1	65.2	31.5	36.0	14.8	18.4
	1995-97	74.6	79.7	74.1	79.1	60.3	65.2	31.7	36.1	14.9	18.5
	1996-98	74.8	79.8	74.3	79.2	60.5	65.4	31.9	36.2	15.2	18.6

\* See section 1.2 for more details.

† See section 2.16 for more details.

To link to Excel version of the table - click on red box surrounding the table title.

Table 24 Interim Life Table\*, 1996 to 1998†

England and Wales

*(Supplied by the Government Actuary's Department)*

Age x	Males		Females	
	$l_x$	$e_x$	$l_x$	$e_x$
0	10,000	74.8	10,000	79.8
1	9,935	74.3	9,948	79.2
2	9,929	73.4	9,944	78.3
3	9,926	72.4	9,941	77.3
4	9,924	71.4	9,939	76.3
5	9,922	70.4	9,938	75.3
10	9,915	65.5	9,933	70.4
15	9,906	60.5	9,927	65.4
20	9,878	55.7	9,913	60.5
25	9,837	50.9	9,898	55.6
30	9,793	46.1	9,879	50.7
35	9,744	41.4	9,855	45.8
40	9,683	36.6	9,815	41.0
45	9,589	31.9	9,753	36.2
50	9,445	27.4	9,656	31.6
55	9,211	23.0	9,498	27.0
60	8,817	18.9	9,248	22.7
65	8,189	15.2	8,853	18.6
70	7,212	11.8	8,215	14.8
75	5,811	9.1	7,219	11.5
80	4,106	6.8	5,832	8.6
85	2,348	5.0	4,039	6.3

\* See section 2.16 for more details

† See section 1.2 for more details.



To link to Excel version of the table - click on red box surrounding the table title.

**Table 25 Years of life lost\* due to mortality from certain underlying causes: numbers of deaths, death rates per 10,000 population, mean ages at death, years of 'working life' lost and years of 'total life' lost per 10,000 population, 1998**

**England and Wales**

ICD 9 code	Underlying cause		Total deaths		Mean age at death	Working life (age 15-64)		Total life (to age 85)	
			Number	Rate per 10,000 population		Years lost (thousands)	Rate per 10,000 population	Years lost (thousands)	Rate per 10,000 population
	<b>All causes, all ages</b>	<b>M</b>	<b>264,707</b>	<b>103</b>	<b>72.2</b>	<b>850</b>	<b>329</b>	<b>3,460</b>	<b>1,340</b>
		<b>F</b>	<b>290,308</b>	<b>109</b>	<b>78.6</b>	<b>507</b>	<b>191</b>	<b>2,352</b>	<b>884</b>
	<b>All causes, ages under 28 days</b>	<b>M</b>	<b>1,386</b>	<b>1</b>	<b>0.0</b>	<b>69</b>	<b>27</b>	<b>117</b>	<b>45</b>
		<b>F</b>	<b>1,032</b>	<b>0</b>	<b>0.0</b>	<b>52</b>	<b>19</b>	<b>87</b>	<b>33</b>
	<b>All causes, ages 28 days and over</b>	<b>M</b>	<b>263,321</b>	<b>102</b>	<b>72.6</b>	<b>780</b>	<b>302</b>	<b>3,343</b>	<b>1,295</b>
		<b>F</b>	<b>289,276</b>	<b>109</b>	<b>78.9</b>	<b>456</b>	<b>171</b>	<b>2,265</b>	<b>851</b>
151	Malignant neoplasm of stomach	M	3,943	2	72.4	7	3	49	19
		F	2,499	1	76.7	3	1	22	8
153-154	Malignant neoplasm of colon, rectum, rectosigmoid junction and anus	M	7,759	3	71.9	15	6	101	39
		F	7,225	3	75.9	1	4	71	27
162	Malignant neoplasm of trachea, bronchus and lung	M	19,036	7	71.3	32	12	256	99
		F	11,163	4	71.7	2	8	147	55
172	Malignant melanoma of skin	M	719	0	63.5	5	20	15	6
		F	749	0	66.9	4	2	14	5
174	Malignant neoplasm of female breast	F	11,759	4	69.1	52	20	192	72
180	Malignant neoplasm of cervix uteri	F	1,158	0	62.7	10	4	26	10
185	Malignant neoplasm of prostate	M	8,573	3	77.8	3	1	65	25
204-208	Leukaemia	M	1,928	1	66.1	13	5	36	14
		F	1,623	1	71.0	8	3	24	9
250	Diabetes mellitus	M	2,800	1	73.5	6	2	33	13
		F	3,138	1	78.4	4	1	25	9
410-414	Ischaemic heart disease	M	66,012	26	73.5	109	42	766	297
		F	55,025	21	80.4	25	9	329	124
430-438	Cerebrovascular disease	M	21,451	8	77.1	25	10	182	71
		F	36,065	14	82.2	22	8	174	66
480-486	Pneumonia	M	21,547	8	80.4	21	8	132	51
		F	33,084	12	85.0	14	5	109	41
490-493	Bronchitis, chronic and unspecified, emphysema and asthma	M	2,787	1	73.2	6	2	33	13
		F	2,102	1	74.2	5	2	24	9
571	Chronic liver disease and cirrhosis	M	2,771	1	56.7	29	11	77	30
		F	1,723	1	60.3	14	5	42	16
E800-E999	External causes of injury and poisoning	M	10,338	4	47.3	213	83	388	150
		F	5,863	2	65.1	62	23	124	47
E810-E819	Motor vehicle traffic accidents	M	2,083	1	40.5	54	21	92	36
		F	795	0	48.5	16	6	29	11
E950-E959	Suicide and self-inflicted injury	M	2,826	1	43.4	64	25	116	45
		F	788	0	49.9	14	5	27	10
E950-E959, E980-E989 excl E988.8	Suicide and self-inflicted injury, undetermined whether accidentally or purposely inflicted	M	3,929	2	42.5	92	35	165	64
		F	1,226	0	49.4	22	8	43	16

\* See section 2.16 for more details.

To link to Excel version of the table - click on red box surrounding the table title.

**Table 26 Deaths occurring in 1998 and deaths registered in 1998: age-group and sex** **England and Wales**

Age-group	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>All ages</b>	<b>555,015</b>	<b>264,707</b>	<b>290,308</b>	<b>553,435</b>	<b>264,202</b>	<b>289,233</b>
Under 1	3,625	2,070	1,555	3,605	2,058	1,547
1-4	722	413	309	716	415	301
5-9	417	240	177	439	254	185
10-14	480	291	189	516	309	207
15-19	1,282	875	407	1,394	962	432
20-24	1,772	1,292	480	1,870	1,404	466
25-29	2,496	1,802	694	2,569	1,852	717
30-34	3,241	2,211	1,030	3,310	2,259	1,051
35-39	4,051	2,557	1,494	4,062	2,552	1,510
40-44	5,522	3,338	2,184	5,529	3,334	2,195
45-49	8,553	5,150	3,403	8,574	5,166	3,408
50-54	14,108	8,445	5,663	14,109	8,440	5,669
55-59	18,661	11,506	7,155	18,599	11,475	7,124
60-64	28,318	17,546	10,772	28,220	17,472	10,748
65-69	44,513	26,851	17,662	44,430	26,836	17,594
70-74	68,480	39,248	29,232	68,301	39,153	29,148
75-79	92,105	48,537	43,568	91,645	48,269	43,376
80-84	93,058	41,913	51,145	92,684	41,779	50,905
85-89	90,061	32,849	57,212	89,671	32,703	56,968
90-94	53,853	14,330	39,523	53,576	14,272	39,304
95 and over	19,697	3,243	16,454	19,616	3,238	16,378

**Table 27 Deaths occurring in 1998 and deaths registered in 1998:  
area of usual residence and sex****England and Wales, England, Wales,  
government office regions, unitary authorities,  
Greater London, London boroughs,  
metropolitan and non-metropolitan counties,  
county districts, regional offices and health authorities**

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>England, Wales and elsewhere</b>	<b>555,015</b>	<b>264,707</b>	<b>290,308</b>	<b>553,435</b>	<b>264,202</b>	<b>289,233</b>
<b>England</b>	<b>519,604</b>	<b>247,673</b>	<b>271,931</b>	<b>518,089</b>	<b>247,202</b>	<b>270,887</b>
<b>Wales</b>	<b>33,982</b>	<b>16,152</b>	<b>17,830</b>	<b>33,905</b>	<b>16,112</b>	<b>17,793</b>
<b>Elsewhere</b>	<b>1,429</b>	<b>882</b>	<b>547</b>	<b>1,441</b>	<b>888</b>	<b>553</b>
<b>North East</b>	<b>30,491</b>	<b>14,621</b>	<b>15,870</b>	<b>30,550</b>	<b>14,662</b>	<b>15,888</b>
<b>Darlington UA</b>	1,253	568	685	1,252	569	683
<b>Hartlepool UA</b>	1,005	510	495	1,017	520	497
<b>Middlesbrough UA</b>	1,477	725	752	1,505	743	762
<b>Redcar and Cleveland UA</b>	1,528	761	767	1,540	773	767
<b>Stockton-on-Tees UA</b>	1,799	836	963	1,817	852	965
<b>Durham County</b>	5,960	2,834	3,126	5,958	2,834	3,124
Chester-le-Street	593	272	321	588	268	320
Derwentside	1,209	555	654	1,216	561	655
Durham	900	424	476	899	422	477
Easington	1,159	579	580	1,155	574	581
Sedgefield	958	457	501	959	459	500
Teesdale	293	128	165	288	126	162
Wear Valley	848	419	429	853	424	429
<b>Northumberland</b>	3,813	1,855	1,958	3,815	1,853	1,962
Alnwick	425	193	232	420	189	231
Berwick-upon-Tweed	348	164	184	346	163	183
Blyth Valley	909	455	454	911	456	455
Castle Morpeth	617	294	323	623	298	325
Tynedale	741	356	385	737	352	385
Wansbeck	773	393	380	778	395	383
<b>Tyne and Wear (Met County)</b>	13,656	6,532	7,124	13,646	6,518	7,128
Gateshead	2,571	1,235	1,336	2,565	1,234	1,331
Newcastle upon Tyne	3,291	1,510	1,781	3,308	1,519	1,789
North Tyneside	2,446	1,181	1,265	2,449	1,172	1,277
South Tyneside	1,964	954	1,010	1,956	952	1,004
Sunderland	3,384	1,652	1,732	3,368	1,641	1,727
<i>Tees Valley</i>	7,062	3,400	3,662	7,131	3,457	3,674
<i>Tees Valley less Darlington</i>	5,809	2,832	2,977	5,879	2,888	2,991
<i>Former County of Durham</i>	7,213	3,402	3,811	7,210	3,403	3,807
<b>North West</b>	<b>79,275</b>	<b>37,158</b>	<b>42,117</b>	<b>78,849</b>	<b>36,917</b>	<b>41,932</b>
<b>Blackburn with Darwen UA</b>	1,551	727	824	1,558	728	830
<b>Blackpool UA</b>	2,172	1,022	1,150	2,147	1,011	1,136
<b>Halton UA</b>	1,266	595	671	1,266	596	670
<b>Warrington UA</b>	1,990	923	1,067	1,971	911	1,060
<b>Cheshire County</b>	7,168	3,375	3,793	7,093	3,327	3,766
Chester	1,277	608	669	1,266	601	665
Congleton	923	460	463	914	455	459
Crewe and Nantwich	1,257	597	660	1,239	579	660
Ellesmere Port and Neston	797	409	388	783	400	383
Macclesfield	1,719	761	958	1,713	759	954
Vale Royal	1,195	540	655	1,178	533	645
<b>Cumbria</b>	5,995	2,796	3,199	6,003	2,803	3,200
Allerdale	1,163	545	618	1,168	547	621
Barrow-in-Furness	855	417	438	850	410	440
Carlisle	1,270	625	645	1,275	630	645
Copeland	798	364	434	798	366	432
Eden	575	281	294	570	279	291
South Lakeland	1,334	564	770	1,342	571	771

England and Wales, England, Wales,  
government office regions, unitary authorities,  
Greater London, London boroughs,  
metropolitan and non-metropolitan counties,  
county districts, regional offices and health authorities

Table 27 - continued

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>Greater Manchester (Met County)</b>	29,098	13,822	15,276	28,923	13,714	15,209
Bolton	2,928	1,359	1,569	2,938	1,366	1,572
Bury	2,067	981	1,086	2,049	967	1,082
Manchester	4,932	2,423	2,509	4,888	2,398	2,490
Oldham	2,529	1,201	1,328	2,525	1,195	1,330
Rochdale	2,302	1,121	1,181	2,278	1,110	1,168
Salford	2,810	1,326	1,484	2,770	1,309	1,461
Stockport	3,142	1,445	1,697	3,104	1,421	1,683
Tameside	2,635	1,251	1,384	2,625	1,242	1,383
Trafford	2,399	1,105	1,294	2,387	1,102	1,285
Wigan	3,354	1,610	1,744	3,359	1,604	1,755
<b>Lancashire County</b>	13,136	6,015	7,121	13,072	5,977	7,095
Burnley	1,101	519	582	1,096	518	578
Chorley	991	461	530	985	455	530
Fylde	1,085	479	606	1,080	483	597
Hyndburn	946	438	508	946	438	508
Lancaster	1,695	780	915	1,678	765	913
Pendle	977	442	535	966	435	531
Preston	1,422	676	746	1,431	684	747
Ribble Valley	589	264	325	582	258	324
Rossendale	692	308	384	693	306	387
South Ribble	982	447	535	980	448	532
West Lancashire	1,138	491	647	1,138	489	649
Wyre	1,518	710	808	1,497	698	799
<b>Merseyside (Met County)</b>	16,899	7,883	9,016	16,816	7,850	8,966
Knowsley	1,657	807	850	1,660	815	845
Liverpool	5,517	2,590	2,927	5,469	2,572	2,897
St. Helens	2,015	1,004	1,011	1,989	984	1,005
Sefton	3,624	1,608	2,016	3,621	1,610	2,011
Wirral	4,086	1,874	2,212	4,077	1,869	2,208
<i>Former County of Cheshire</i>	10,424	4,893	5,531	10,330	4,834	5,496
<i>Former County of Lancashire</i>	16,859	7,764	9,095	16,777	7,716	9,061
<b>Yorkshire and the Humber</b>	<b>55,653</b>	<b>26,477</b>	<b>29,176</b>	<b>55,469</b>	<b>26,426</b>	<b>29,043</b>
<b>East Riding of Yorkshire UA</b>	3,697	1,720	1,977	3,708	1,739	1,969
<b>Kingston upon Hull, City of UA</b>	2,919	1,382	1,537	2,953	1,413	1,540
<b>North East Lincolnshire UA</b>	1,754	858	896	1,762	869	893
<b>North Lincolnshire UA</b>	1,744	888	856	1,763	900	863
<b>York UA</b>	1,924	936	988	1,915	928	987
<b>North Yorkshire County</b>	6,560	3,005	3,555	6,555	3,005	3,550
Craven	666	288	378	667	288	379
Hambleton	862	437	425	864	439	425
Harrogate	1,713	727	986	1,713	725	988
Richmondshire	431	196	235	433	198	235
Ryedale	660	335	325	654	333	321
Scarborough	1,472	670	802	1,469	669	800
Selby	756	352	404	755	353	402
<b>South Yorkshire (Met County)</b>	14,903	7,174	7,729	14,768	7,105	7,663
Barnsley	2,756	1,350	1,406	2,715	1,318	1,397
Doncaster	3,376	1,648	1,728	3,346	1,633	1,713
Rotherham	2,685	1,282	1,403	2,670	1,280	1,390
Sheffield	6,086	2,894	3,192	6,037	2,874	3,163
<b>West Yorkshire (Met County)</b>	22,152	10,514	11,638	22,045	10,467	11,578
Bradford	5,142	2,444	2,698	5,113	2,435	2,678
Calderdale	2,173	1,004	1,169	2,159	990	1,169
Kirklees	4,143	1,917	2,226	4,142	1,925	2,217
Leeds	7,322	3,476	3,846	7,288	3,456	3,832
Wakefield	3,372	1,673	1,699	3,343	1,661	1,682
<i>The Humber</i>	10,114	4,848	5,266	10,186	4,921	5,265
<i>Former County of North Yorkshire</i>	8,484	3,941	4,543	8,470	3,933	4,537

England and Wales, England, Wales,  
government office regions, unitary authorities,  
Greater London, London boroughs,  
metropolitan and non-metropolitan counties,  
county districts, regional offices and health authorities

Table 27 - continued

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>East Midlands</b>	<b>44,521</b>	<b>21,748</b>	<b>22,773</b>	<b>44,140</b>	<b>21,534</b>	<b>22,606</b>
<b>Derby UA</b>	2,474	1,225	1,249	2,447	1,212	1,235
<b>Leicester UA</b>	2,968	1,403	1,565	2,928	1,388	1,540
<b>Nottingham UA</b>	3,035	1,518	1,517	2,999	1,494	1,505
<b>Rutland UA</b>	269	120	149	269	120	149
<b>Derbyshire County</b>	8,279	3,987	4,292	8,204	3,938	4,266
Amber Valley	1,328	622	706	1,318	614	704
Bolsover	867	415	452	859	411	448
Chesterfield	1,292	602	690	1,280	591	689
Derbyshire Dales	830	394	436	825	390	435
Erewash	1,141	548	593	1,130	548	582
High Peak	905	438	467	901	436	465
North East Derbyshire	1,123	561	562	1,106	552	554
South Derbyshire	793	407	386	785	396	389
<b>Leicestershire County</b>	5,714	2,794	2,920	5,662	2,770	2,892
Blaby	729	387	342	715	377	338
Charnwood	1,441	697	744	1,438	698	740
Harborough	670	322	348	663	319	344
Hinckley and Bosworth	990	477	513	975	466	509
Melton	470	226	244	458	221	237
North West Leicestershire	907	442	465	904	444	460
Oadby and Wigston	507	243	264	509	245	264
<b>Lincolnshire</b>	7,581	3,737	3,844	7,501	3,679	3,822
Boston	677	324	353	664	313	351
East Lindsey	1,811	904	907	1,795	899	896
Lincoln	1,000	478	522	982	470	512
North Kesteven	1,042	491	551	1,032	477	555
South Holland	920	471	449	905	460	445
South Kesteven	1,224	604	620	1,220	601	619
West Lindsey	907	465	442	903	459	444
<b>Northamptonshire</b>	6,069	2,971	3,098	6,027	2,945	3,082
Corby	490	264	226	483	259	224
Daventry	684	324	360	677	320	357
East Northamptonshire	788	372	416	783	368	415
Kettering	861	415	446	864	419	445
Northampton	1,866	903	963	1,858	896	962
South Northamptonshire	726	353	373	718	346	372
Wellingborough	654	340	314	644	337	307
<b>Nottinghamshire County</b>	8,132	3,993	4,139	8,103	3,988	4,115
Ashfield	1,272	631	641	1,263	626	637
Bassetlaw	1,269	618	651	1,263	617	646
Broxtowe	1,159	562	597	1,148	553	595
Gedling	1,170	560	610	1,163	563	600
Mansfield	1,060	554	506	1,062	555	507
Newark and Sherwood	1,164	568	596	1,161	569	592
Rushcliffe	1,038	500	538	1,043	505	538
<i>Former County of Derbyshire</i>	10,753	5,212	5,541	10,651	5,150	5,501
<i>Former County of Leicestershire</i>	8,951	4,317	4,634	8,859	4,278	4,581
<i>Former County of Nottinghamshire</i>	11,167	5,511	5,656	11,102	5,482	5,620
<b>West Midlands</b>	<b>55,879</b>	<b>27,144</b>	<b>28,735</b>	<b>55,648</b>	<b>27,104</b>	<b>28,544</b>
<b>Herefordshire, County of UA</b>	1,925	914	1,011	1,937	919	1,018
<b>Stoke-on-Trent UA</b>	2,829	1,375	1,454	2,813	1,376	1,437
<b>Telford and Wrekin UA</b>	1,297	664	633	1,303	673	630
<b>Shropshire County</b>	3,151	1,492	1,659	3,132	1,481	1,651
Bridgnorth	530	257	273	533	259	274
North Shropshire	664	313	351	664	313	351
Oswestry	468	217	251	461	211	250
Shrewsbury and Atcham	1,002	469	533	986	462	524
South Shropshire	487	236	251	488	236	252

**England and Wales, England, Wales,  
government office regions, unitary authorities,  
Greater London, London boroughs,  
metropolitan and non-metropolitan counties,  
county districts, regional offices and health authorities**

Table 27 - continued

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>Staffordshire County</b>	8,293	3,946	4,347	8,221	3,911	4,310
Cannock Chase	804	368	436	792	361	431
East Staffordshire	1,171	579	592	1,158	580	578
Lichfield	979	459	520	972	455	517
Newcastle-under-Lyme	1,345	665	680	1,329	656	673
South Staffordshire	1,044	496	548	1,025	485	540
Stafford	1,282	570	712	1,286	574	712
Staffordshire Moorlands	1,104	513	591	1,098	508	590
Tamworth	564	296	268	561	292	269
<b>Warwickshire</b>	5,202	2,489	2,713	5,193	2,490	2,703
North Warwickshire	582	276	306	589	281	308
Nuneaton and Bedworth	1,148	589	559	1,145	590	555
Rugby	923	429	494	925	433	492
Stratford-on-Avon	1,266	618	648	1,259	617	642
Warwick	1,283	577	706	1,275	569	706
<b>West Midlands (Met County)</b>	27,556	13,599	13,957	27,419	13,586	13,833
Birmingham	10,351	5,106	5,245	10,277	5,085	5,192
Coventry	3,219	1,553	1,666	3,206	1,562	1,644
Dudley	3,332	1,622	1,710	3,308	1,614	1,694
Sandwell	3,584	1,806	1,778	3,580	1,809	1,771
Solihull	1,780	920	860	1,784	929	855
Walsall	2,635	1,288	1,347	2,600	1,266	1,334
Wolverhampton	2,655	1,304	1,351	2,664	1,321	1,343
<b>Worcestershire County</b>	5,626	2,665	2,961	5,630	2,668	2,962
Bromsgrove	1,079	480	599	1,078	482	596
Malvern Hills	938	425	513	935	428	507
Redditch	593	309	284	599	314	285
Worcester	794	391	403	802	393	409
Wychavon	1,152	530	622	1,157	530	627
Wyre Forest	1,070	530	540	1,059	521	538
<i>Herefordshire and Worcestershire</i>	7,551	3,579	3,972	7,567	3,587	3,980
<i>Former County of Shropshire</i>	4,448	2,156	2,292	4,435	2,154	2,281
<i>Former County of Staffordshire</i>	11,122	5,321	5,801	11,034	5,287	5,747
<b>East</b>	<b>54,293</b>	<b>26,019</b>	<b>28,274</b>	<b>53,997</b>	<b>25,917</b>	<b>28,080</b>
<b>Luton UA</b>	1,425	729	696	1,426	733	693
<b>Peterborough UA</b>	1,488	747	741	1,479	738	741
<b>Southend-on-Sea UA</b>	2,204	1,003	1,201	2,196	1,003	1,193
<b>Thurrock UA</b>	1,148	589	559	1,139	585	554
<b>Bedfordshire County</b>	3,268	1,571	1,697	3,256	1,564	1,692
Bedford	1,268	587	681	1,265	587	678
Mid Bedfordshire	1,002	499	503	993	493	500
South Bedfordshire	998	485	513	998	484	514
<b>Cambridgeshire County</b>	5,063	2,440	2,623	5,051	2,452	2,599
Cambridge	956	446	510	963	454	509
East Cambridgeshire	691	339	352	685	338	347
Fenland	1,037	497	540	1,033	501	532
Huntingdonshire	1,261	620	641	1,264	625	639
South Cambridgeshire	1,118	538	580	1,106	534	572
<b>Essex County</b>	13,273	6,321	6,952	13,233	6,296	6,937
Basildon	1,489	694	795	1,482	688	794
Braintree	1,324	593	731	1,326	596	730
Brentwood	727	316	411	724	318	406
Castle Point	897	427	470	897	425	472
Chelmsford	1,316	669	647	1,296	655	641
Colchester	1,443	674	769	1,440	669	771
Epping Forest	1,257	613	644	1,254	609	645
Harlow	608	338	270	611	340	271
Maldon	593	275	318	589	272	317
Rochford	716	365	351	720	368	352
Tendring	2,286	1,076	1,210	2,280	1,075	1,205
Uttlesford	617	281	336	614	281	333

England and Wales, England, Wales,  
government office regions, unitary authorities,  
Greater London, London boroughs,  
metropolitan and non-metropolitan counties,  
county districts, regional offices and health authorities

Table 27 - continued

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>Hertfordshire</b>	9,609	4,460	5,149	9,529	4,440	5,089
Broxbourne	720	385	335	709	375	334
Dacorum	1,230	579	651	1,209	574	635
East Hertfordshire	1,074	497	577	1,060	493	567
Hertsmere	1,055	456	599	1,046	455	591
North Hertfordshire	1,294	592	702	1,298	603	695
St. Albans	1,098	484	614	1,093	485	608
Stevenage	688	317	371	687	320	367
Three Rivers	776	341	435	770	338	432
Watford	767	375	392	756	374	382
Welwyn Hatfield	907	434	473	901	423	478
<b>Norfolk</b>	9,531	4,694	4,837	9,422	4,640	4,782
Breckland	1,388	705	683	1,380	703	677
Broadland	1,337	643	694	1,309	624	685
Great Yarmouth	1,214	592	622	1,199	582	617
King's Lynn and West Norfolk	1,668	827	841	1,643	817	826
North Norfolk	1,442	711	731	1,439	712	727
Norwich	1,292	614	678	1,265	605	660
South Norfolk	1,190	602	588	1,187	597	590
<b>Suffolk</b>	7,284	3,465	3,819	7,266	3,466	3,800
Babergh	884	404	480	881	404	477
Forest Heath	549	259	290	541	253	288
Ipswich	1,255	593	662	1,261	600	661
Mid Suffolk	862	403	459	857	403	454
St. Edmundsbury	1,030	480	550	1,018	474	544
Suffolk Coastal	1,283	627	656	1,286	631	655
Waveney	1,421	699	722	1,422	701	721
<i>Former County of Bedfordshire</i>	4,693	2,300	2,393	4,682	2,297	2,385
<i>Former County of Cambridgeshire</i>	6,551	3,187	3,364	6,530	3,190	3,340
<i>Former County of Essex</i>	16,625	7,913	8,712	16,568	7,884	8,684
<b>London</b>	<b>62,130</b>	<b>30,105</b>	<b>32,025</b>	<b>62,302</b>	<b>30,278</b>	<b>32,024</b>
<b>Inner London</b>	21,781	11,038	10,743	21,874	11,113	10,761
Camden	1,638	844	794	1,658	855	803
City of London	55	24	31	59	29	30
Hackney	1,427	749	678	1,417	739	678
Hammersmith and Fulham	1,274	652	622	1,284	653	631
Haringey	1,523	733	790	1,543	748	795
Islington	1,438	762	676	1,435	763	672
Kensington and Chelsea	1,126	530	596	1,134	536	598
Lambeth	1,969	1,070	899	1,979	1,076	903
Lewisham	2,322	1,107	1,215	2,335	1,118	1,217
Newham	1,827	991	836	1,840	1,003	837
Southwark	1,938	971	967	1,931	969	962
Tower Hamlets	1,387	762	625	1,391	768	623
Wandsworth	2,305	1,053	1,252	2,308	1,057	1,251
Westminster	1,552	790	762	1,560	799	761
<b>Outer London</b>	40,349	19,067	21,282	40,428	19,165	21,263
Barking and Dagenham	1,700	817	883	1,694	817	877
Barnet	3,008	1,344	1,664	3,008	1,351	1,657
Bexley	2,178	1,045	1,133	2,170	1,045	1,125
Brent	1,944	1,025	919	1,958	1,039	919
Bromley	3,025	1,346	1,679	3,033	1,347	1,686
Croydon	2,820	1,314	1,506	2,812	1,319	1,493
Ealing	2,499	1,232	1,267	2,493	1,230	1,263
Enfield	2,461	1,189	1,272	2,454	1,185	1,269
Greenwich	2,045	979	1,066	2,066	988	1,078
Harrow	1,809	834	975	1,815	849	966
Havering	2,357	1,138	1,219	2,350	1,134	1,216
Hillingdon	2,172	1,053	1,119	2,178	1,060	1,118
Hounslow	1,722	845	877	1,727	850	877
Kingston upon Thames	1,415	629	786	1,431	633	798
Merton	1,594	740	854	1,603	748	855
Redbridge	2,196	1,016	1,180	2,204	1,026	1,178
Richmond upon Thames	1,562	732	830	1,566	736	830
Sutton	1,860	835	1,025	1,866	841	1,025
Waltham Forest	1,982	954	1,028	2,000	967	1,033



England and Wales, England, Wales,  
government office regions, unitary authorities,  
Greater London, London boroughs,  
metropolitan and non-metropolitan counties,  
county districts, regional offices and health authorities

Table 27 - continued

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>South East</b>	<b>81,937</b>	<b>38,176</b>	<b>43,761</b>	<b>81,800</b>	<b>38,147</b>	<b>43,653</b>
Bracknell Forest UA	834	392	442	832	389	443
Brighton and Hove UA	3,093	1,390	1,703	3,113	1,394	1,719
Isle of Wight UA	1,802	861	941	1,804	868	936
Medway UA	2,131	1,048	1,083	2,137	1,060	1,077
Milton Keynes UA	1,460	724	736	1,436	708	728
Portsmouth UA	2,113	992	1,121	2,100	990	1,110
Reading UA	1,204	578	626	1,202	578	624
Slough UA	902	476	426	920	487	433
Southampton UA	2,167	1,083	1,084	2,167	1,083	1,084
West Berkshire UA	1,156	557	599	1,155	564	591
Windsor and Maidenhead UA	1,288	590	698	1,296	591	705
Wokingham UA	1,117	501	616	1,099	492	607
<b>Buckinghamshire County</b>	<b>4,114</b>	<b>1,936</b>	<b>2,178</b>	<b>4,136</b>	<b>1,963</b>	<b>2,173</b>
Aylesbury Vale	1,292	594	698	1,292	598	694
Chiltern	901	408	493	915	422	493
South Bucks	648	289	359	646	287	359
Wycombe	1,273	645	628	1,283	656	627
<b>East Sussex County</b>	<b>6,881</b>	<b>3,032</b>	<b>3,849</b>	<b>6,862</b>	<b>3,017</b>	<b>3,845</b>
Eastbourne	1,424	598	826	1,421	593	828
Hastings	1,142	498	644	1,140	499	641
Lewes	1,195	518	677	1,187	513	674
Rother	1,460	649	811	1,454	645	809
Wealden	1,660	769	891	1,660	767	893
<b>Hampshire County</b>	<b>11,990</b>	<b>5,701</b>	<b>6,289</b>	<b>11,950</b>	<b>5,664</b>	<b>6,286</b>
Basingstoke and Deane	1,200	575	625	1,198	576	622
East Hampshire	1,080	513	567	1,079	508	571
Eastleigh	940	473	467	933	469	464
Fareham	1,085	502	583	1,082	500	582
Gosport	786	391	395	787	390	397
Hart	627	277	350	620	272	348
Havant	1,219	595	624	1,207	588	619
New Forest	2,183	1,001	1,182	2,189	1,001	1,188
Rushmoor	719	326	393	713	325	388
Test Valley	1,071	534	537	1,063	524	539
Winchester	1,080	514	566	1,079	511	568
<b>Kent County</b>	<b>14,683</b>	<b>6,865</b>	<b>7,818</b>	<b>14,700</b>	<b>6,884</b>	<b>7,816</b>
Ashford	993	487	506	999	490	509
Canterbury	1,699	735	964	1,706	744	962
Dartford	854	390	464	847	384	463
Dover	1,282	625	657	1,285	623	662
Gravesham	926	437	489	921	427	494
Maidstone	1,311	609	702	1,313	610	703
Sevenoaks	995	465	530	1,005	473	532
Shepway	1,316	632	684	1,324	639	685
Swale	1,172	565	607	1,159	563	596
Thanet	1,993	932	1,061	1,995	934	1,061
Tonbridge and Malling	967	483	484	964	484	480
Tunbridge Wells	1,175	505	670	1,182	513	669
<b>Oxfordshire</b>	<b>5,405</b>	<b>2,567</b>	<b>2,838</b>	<b>5,376</b>	<b>2,551</b>	<b>2,825</b>
Cherwell	1,079	520	559	1,060	512	548
Oxford	1,130	527	603	1,128	525	603
South Oxfordshire	1,262	578	684	1,271	587	684
Vale of White Horse	1,004	489	515	990	475	515
West Oxfordshire	930	453	477	927	452	475
<b>Surrey</b>	<b>10,430</b>	<b>4,789</b>	<b>5,641</b>	<b>10,389</b>	<b>4,780</b>	<b>5,609</b>
Elmbridge	1,191	544	647	1,178	539	639
Epsom and Ewell	691	310	381	686	308	378
Guildford	1,088	549	539	1,089	553	536
Mole Valley	888	422	466	896	429	467
Reigate and Banstead	1,343	633	710	1,327	625	702
Runnymede	777	359	418	776	362	414
Spelthorne	843	411	432	844	411	433
Surrey Heath	631	285	346	634	286	348
Tandridge	823	355	468	816	352	464
Waverley	1,341	545	796	1,333	540	793
Woking	814	376	438	810	375	435

England and Wales, England, Wales,  
government office regions, unitary authorities,  
Greater London, London boroughs,  
metropolitan and non-metropolitan counties,  
county districts, regional offices and health authorities

Table 27 - continued

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>West Sussex</b>	9,167	4,094	5,073	9,126	4,084	5,042
Adur	787	372	415	783	372	411
Arun	2,234	975	1,259	2,212	962	1,250
Chichester	1,404	652	752	1,413	662	751
Crawley	744	369	375	737	368	369
Horsham	1,121	513	608	1,119	513	606
Mid Sussex	1,257	555	702	1,253	553	700
Worthing	1,620	658	962	1,609	654	955
<i>Former County of Berkshire</i>	6,501	3,094	3,407	6,504	3,101	3,403
<i>Former County of Buckinghamshire</i>	5,574	2,660	2,914	5,572	2,671	2,901
<i>Former County of East Sussex</i>	9,974	4,422	5,552	9,975	4,411	5,564
<i>Former County of Hampshire</i>	16,270	7,776	8,494	16,217	7,737	8,480
<i>Former County of Kent</i>	16,814	7,913	8,901	16,837	7,944	8,893
<b>South West</b>	<b>55,425</b>	<b>26,225</b>	<b>29,200</b>	<b>55,334</b>	<b>26,217</b>	<b>29,117</b>
<b>Bath and North East Somerset UA</b>	1,744	802	942	1,736	801	935
<b>Bournemouth UA</b>	2,396	1,042	1,354	2,387	1,037	1,350
<b>Bristol, City of UA</b>	3,992	1,965	2,027	3,963	1,940	2,023
<b>North Somerset UA</b>	2,223	985	1,238	2,221	985	1,236
<b>Plymouth UA</b>	2,656	1,294	1,362	2,646	1,289	1,357
<b>Poole UA</b>	1,650	759	891	1,645	762	883
<b>South Gloucestershire UA</b>	1,907	888	1,019	1,902	883	1,019
<b>Swindon UA</b>	1,584	761	823	1,587	763	824
<b>Torbay UA</b>	1,927	857	1,070	1,935	868	1,067
<b>Cornwall and the Isles of Scilly</b>	5,815	2,794	3,021	5,808	2,800	3,008
Caradon	875	428	447	879	430	449
Carrick	1,065	504	561	1,060	499	561
Kerrier	1,013	499	514	1,005	499	506
North Cornwall	942	456	486	943	459	484
Penwith	830	390	440	834	393	441
Restormel	1,070	509	561	1,067	512	555
Isles of Scilly	20	8	12	20	8	12
<b>Devon County</b>	8,741	4,113	4,628	8,744	4,123	4,621
East Devon	1,895	869	1,026	1,889	867	1,022
Exeter	1,150	504	646	1,159	509	650
Mid Devon	766	378	388	765	382	383
North Devon	1,134	565	569	1,143	572	571
South Hams	952	481	471	950	478	472
Teignbridge	1,580	727	853	1,578	727	851
Torridge	687	314	373	682	313	369
West Devon	577	275	302	578	275	303
<b>Dorset County</b>	4,839	2,322	2,517	4,837	2,329	2,508
Christchurch	715	329	386	718	330	388
East Dorset	1,020	487	533	1,015	485	530
North Dorset	619	318	301	617	320	297
Purbeck	519	257	262	518	261	257
West Dorset	1,250	576	674	1,249	575	674
Weymouth and Portland	716	355	361	720	358	362
<b>Gloucestershire</b>	5,946	2,858	3,088	5,920	2,837	3,083
Cheltenham	1,177	537	640	1,161	524	637
Cotswold	883	411	472	870	400	470
Forest of Dean	862	419	443	865	421	444
Gloucester	988	491	497	988	492	496
Stroud	1,221	586	635	1,218	587	631
Tewkesbury	815	414	401	818	413	405
<b>Somerset</b>	5,807	2,796	3,011	5,785	2,800	2,985
Mendip	1,121	501	620	1,118	500	618
Sedgemoor	1,252	618	634	1,257	626	631
South Somerset	1,716	851	865	1,699	846	853
Taunton Deane	1,187	580	607	1,183	582	601
West Somerset	531	246	285	528	246	282

**England and Wales, England, Wales,  
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county districts, regional offices and health authorities**

Table 27 - continued

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>Wiltshire County</b>	<b>4,198</b>	<b>1,989</b>	<b>2,209</b>	<b>4,218</b>	<b>2,000</b>	<b>2,218</b>
Kennet	716	350	366	720	347	373
North Wiltshire	1,141	523	618	1,139	525	614
Salisbury	1,214	583	631	1,218	587	631
West Wiltshire	1,127	533	594	1,141	541	600
<i>Bristol/Bath area</i>	9,866	4,640	5,226	9,822	4,609	5,213
<i>Former County of Devon</i>	13,324	6,264	7,060	13,325	6,280	7,045
<i>Former County of Dorset</i>	8,885	4,123	4,762	8,869	4,128	4,741
<i>Former County of Wiltshire</i>	5,782	2,750	3,032	5,805	2,763	3,042
<b>Wales</b>	<b>33,982</b>	<b>16,152</b>	<b>17,830</b>	<b>33,905</b>	<b>16,112</b>	<b>17,793</b>
Blaenau Gwent	920	444	476	921	443	478
Bridgend	1,512	728	784	1,515	728	787
Caerphilly	1,904	908	996	1,917	921	996
Cardiff	2,959	1,414	1,545	2,950	1,402	1,548
Carmarthenshire	2,235	1,020	1,215	2,243	1,022	1,221
Ceredigion	751	357	394	755	356	399
Conwy	1,701	798	903	1,679	793	886
Denbighshire	1,303	615	688	1,294	606	688
Flintshire	1,415	673	742	1,378	654	724
Gwynedd	1,454	689	765	1,461	693	768
Isle of Anglesey	813	384	429	809	379	430
Merthyr Tydfil	751	343	408	744	340	404
Monmouthshire	946	472	474	953	476	477
Neath Port Talbot	1,729	830	899	1,734	832	902
Newport	1,404	676	728	1,411	684	727
Pembrokeshire	1,408	659	749	1,404	656	748
Powys	1,579	774	805	1,588	788	800
Rhondda, Cynon, Taff	2,792	1,327	1,465	2,768	1,310	1,458
Swansea	2,674	1,272	1,402	2,669	1,273	1,396
Torfaen	988	480	508	980	476	504
The Vale of Glamorgan	1,296	605	691	1,298	604	694
Wrexham	1,448	684	764	1,434	676	758
<b>Northern and Yorkshire</b>	<b>71,549</b>	<b>33,993</b>	<b>37,556</b>	<b>71,537</b>	<b>34,036</b>	<b>37,501</b>
Bradford	5,142	2,444	2,698	5,113	2,435	2,678
Calderdale and Kirklees	6,316	2,921	3,395	6,301	2,915	3,386
County Durham	7,213	3,402	3,811	7,210	3,403	3,807
East Riding	6,616	3,102	3,514	6,661	3,152	3,509
Gateshead and South Tyneside	4,535	2,189	2,346	4,521	2,186	2,335
Leeds	7,322	3,476	3,846	7,288	3,456	3,832
Newcastle and North Tyneside	5,737	2,691	3,046	5,757	2,691	3,066
North Cumbria	3,806	1,815	1,991	3,811	1,822	1,989
Northumberland	3,813	1,855	1,958	3,815	1,853	1,962
North Yorkshire	8,484	3,941	4,543	8,470	3,933	4,537
Sunderland	3,384	1,652	1,732	3,368	1,641	1,727
Tees	5,809	2,832	2,977	5,879	2,888	2,991
Wakefield	3,372	1,673	1,699	3,343	1,661	1,682
<b>Trent</b>	<b>56,536</b>	<b>27,537</b>	<b>28,999</b>	<b>56,088</b>	<b>27,302</b>	<b>28,786</b>
Barnsley	2,756	1,350	1,406	2,715	1,318	1,397
Doncaster	3,376	1,648	1,728	3,346	1,633	1,713
Leicestershire	8,951	4,317	4,634	8,859	4,278	4,581
Lincolnshire	7,581	3,737	3,844	7,501	3,679	3,822
North Derbyshire	4,420	2,102	2,318	4,374	2,072	2,302
North Nottinghamshire	4,423	2,209	2,214	4,408	2,205	2,203
Nottingham	6,744	3,302	3,442	6,694	3,277	3,417
Rotherham	2,685	1,282	1,403	2,670	1,280	1,390
Sheffield	6,086	2,894	3,192	6,037	2,874	3,163
Southern Derbyshire	6,016	2,950	3,066	5,959	2,917	3,042
South Humber	3,498	1,746	1,752	3,525	1,769	1,756
<b>Anglia and Oxford</b>	<b>51,608</b>	<b>24,938</b>	<b>26,670</b>	<b>51,379</b>	<b>24,861</b>	<b>26,518</b>
Bedfordshire	4,693	2,300	2,393	4,682	2,297	2,385
Berkshire	6,501	3,094	3,407	6,504	3,101	3,403
Buckinghamshire	5,574	2,660	2,914	5,572	2,671	2,901
Cambridge and Huntingdon	3,922	1,894	2,028	3,911	1,899	2,012
East Norfolk	7,508	3,683	3,825	7,426	3,641	3,785
Northamptonshire	6,069	2,971	3,098	6,027	2,945	3,082
North West Anglia	4,652	2,304	2,348	4,615	2,290	2,325
Oxfordshire	5,405	2,567	2,838	5,376	2,551	2,825
Suffolk	7,284	3,465	3,819	7,266	3,466	3,800

**England and Wales, England, Wales,  
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metropolitan and non-metropolitan counties,  
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Table 27 - continued

Area of usual residence	Occurrences			Registrations		
	Persons	Males	Females	Persons	Males	Females
<b>North Thames</b>	<b>63,331</b>	<b>30,657</b>	<b>32,674</b>	<b>63,299</b>	<b>30,725</b>	<b>32,574</b>
Barking and Havering	4,057	1,955	2,102	4,044	1,951	2,093
Barnet	3,008	1,344	1,664	3,008	1,351	1,657
Brent and Harrow	3,753	1,859	1,894	3,773	1,888	1,885
Camden and Islington	3,076	1,606	1,470	3,093	1,618	1,475
Ealing, Hammersmith and Hounslow	5,495	2,729	2,766	5,504	2,733	2,771
East and North Hertfordshire	4,683	2,225	2,458	4,655	2,214	2,441
East London and The City	4,696	2,526	2,170	4,707	2,539	2,168
Enfield and Haringey	3,984	1,922	2,062	3,997	1,933	2,064
Hillingdon	2,172	1,053	1,119	2,178	1,060	1,118
Kensington & Chelsea and Westminster	2,678	1,320	1,358	2,694	1,335	1,359
North Essex	9,444	4,519	4,925	9,410	4,497	4,913
Redbridge and Waltham Forest	4,178	1,970	2,208	4,204	1,993	2,211
South Essex	7,181	3,394	3,787	7,158	3,387	3,771
West Hertfordshire	4,926	2,235	2,691	4,874	2,226	2,648
<b>South Thames</b>	<b>71,418</b>	<b>33,039</b>	<b>38,379</b>	<b>71,427</b>	<b>33,096</b>	<b>38,331</b>
Bexley and Greenwich	4,223	2,024	2,199	4,236	2,033	2,203
Bromley	3,025	1,346	1,679	3,033	1,347	1,686
Croydon	2,820	1,314	1,506	2,812	1,319	1,493
East Kent	7,556	3,528	4,028	7,577	3,545	4,032
East Surrey	4,391	2,014	2,377	4,365	2,005	2,360
East Sussex, Brighton and Hove	9,974	4,422	5,552	9,975	4,411	5,564
Kingston and Richmond	2,977	1,361	1,616	2,997	1,369	1,628
Lambeth, Southwark and Lewisham	6,229	3,148	3,081	6,245	3,163	3,082
Merton, Sutton and Wandsworth	5,759	2,628	3,131	5,777	2,646	3,131
West Kent	9,258	4,385	4,873	9,260	4,399	4,861
West Surrey	6,039	2,775	3,264	6,024	2,775	3,249
West Sussex	9,167	4,094	5,073	9,126	4,084	5,042
<b>South and West</b>	<b>73,497</b>	<b>34,862</b>	<b>38,635</b>	<b>73,355</b>	<b>34,822</b>	<b>38,533</b>
Avon	9,866	4,640	5,226	9,822	4,609	5,213
Cornwall and Isles of Scilly	5,815	2,794	3,021	5,808	2,800	3,008
Dorset	8,885	4,123	4,762	8,869	4,128	4,741
Gloucestershire	5,946	2,858	3,088	5,920	2,837	3,083
Isle of Wight	1,802	861	941	1,804	868	936
North and East Devon	6,014	2,823	3,191	6,017	2,836	3,181
North and Mid Hampshire	4,805	2,288	2,517	4,785	2,269	2,516
Portsmouth and South East Hampshire	5,766	2,734	3,032	5,734	2,716	3,018
Somerset	5,807	2,796	3,011	5,785	2,800	2,985
Southampton and South West Hampshire	5,699	2,754	2,945	5,698	2,752	2,946
South and West Devon	7,310	3,441	3,869	7,308	3,444	3,864
Wiltshire	5,782	2,750	3,032	5,805	2,763	3,042
<b>West Midlands</b>	<b>55,879</b>	<b>27,144</b>	<b>28,735</b>	<b>55,648</b>	<b>27,104</b>	<b>28,544</b>
Birmingham	10,351	5,106	5,245	10,277	5,085	5,192
Coventry	3,219	1,553	1,666	3,206	1,562	1,644
Dudley	3,332	1,622	1,710	3,308	1,614	1,694
Herefordshire	1,925	914	1,011	1,937	919	1,018
North Staffordshire	5,278	2,553	2,725	5,240	2,540	2,700
Sandwell	3,584	1,806	1,778	3,580	1,809	1,771
Shropshire	4,448	2,156	2,292	4,435	2,154	2,281
Solihull	1,780	920	860	1,784	929	855
South Staffordshire	5,844	2,768	3,076	5,794	2,747	3,047
Walsall	2,635	1,288	1,347	2,600	1,266	1,334
Warwickshire	5,202	2,489	2,713	5,193	2,490	2,703
Wolverhampton	2,655	1,304	1,351	2,664	1,321	1,343
Worcestershire	5,626	2,665	2,961	5,630	2,668	2,962
<b>North West</b>	<b>75,786</b>	<b>35,503</b>	<b>40,283</b>	<b>75,356</b>	<b>35,256</b>	<b>40,100</b>
Bury and Rochdale	4,369	2,102	2,267	4,327	2,077	2,250
East Lancashire	5,856	2,698	3,158	5,841	2,683	3,158
Liverpool	5,517	2,590	2,927	5,469	2,572	2,897
Manchester	4,932	2,423	2,509	4,888	2,398	2,490
Morecambe Bay	3,884	1,761	2,123	3,870	1,746	2,124
North Cheshire	3,256	1,518	1,738	3,237	1,507	1,730
North West Lancashire	6,197	2,887	3,310	6,155	2,876	3,279
St Helens and Knowsley	3,672	1,811	1,861	3,649	1,799	1,850
Salford and Trafford	5,209	2,431	2,778	5,157	2,411	2,746
Sefton	3,624	1,608	2,016	3,621	1,610	2,011
South Cheshire	7,168	3,375	3,793	7,093	3,327	3,766
South Lancashire	3,111	1,399	1,712	3,103	1,392	1,711
Stockport	3,142	1,445	1,697	3,104	1,421	1,683
West Pennine	5,481	2,612	2,869	5,468	2,598	2,870
Wigan and Bolton	6,282	2,969	3,313	6,297	2,970	3,327
Wirral	4,086	1,874	2,212	4,077	1,869	2,208
<b>Wales</b>	<b>33,982</b>	<b>16,152</b>	<b>17,830</b>	<b>33,905</b>	<b>16,112</b>	<b>17,793</b>
Bro Taf	7,798	3,689	4,109	7,760	3,656	4,104
Dyfed Powys	5,973	2,810	3,163	5,990	2,822	3,168
Gwent	6,162	2,980	3,182	6,182	3,000	3,182
Morgannwg	5,915	2,830	3,085	5,918	2,833	3,085
North Wales	8,134	3,843	4,291	8,055	3,801	4,254

Annex A Medical certificate of cause of death

BIRTHS AND DEATHS REGISTRATION ACT 1953  
(Form prescribed by Registration of Births and Deaths Regulations 1987)  
MEDICAL CERTIFICATE OF CAUSE OF DEATH  
For use only by a Registered Medical Practitioner WHO HAS BEEN IN ATTENDANCE during the deceased's last illness,  
and to be delivered by him forthwith to the Registrar of Births and Deaths.

Registrar to enter  
No. of Death Entry  
.....

Name of deceased .....

Date of death as stated to me ..... day of ..... Age as stated to me .....

Place of death .....

Last seen alive by me ..... day of .....

- 1 The certified cause of death takes account of information obtained from post-mortem.
  - 2 Information from post-mortem may be available later
  - 3 Post mortem not being held.
  - 4 I have reported this death to the Coroner for further action.  
(See overleaf)
- Please ring appropriate digit(s) and enter after death by me.  
Seen and death by me.  
Seen after death by another medical practitioner but not by me  
Not seen after death by a medical practitioner.

<b>CAUSE OF DEATH</b> <i>The condition thought to be the 'Underlying Cause of Death' should appear on the line completed line of Part I.</i>	
<b>SPEN</b>	
I (a) Disease or condition directly leading to death: .....	
(b) Other disease or condition leading to: I(a) ..... Other disease or condition, if any, .....	
(c) leading to: I(b) .....	
II Other significant conditions CONTRIBUTING TO THE DEATH but not related to the disease or condition causing it .....	
These particulars not to be entered in death register	
Approximate interval between onset and death .....	
.....	
.....	
.....	

The death might have been due to or contributed to by the employment followed at some time by the deceased ☐ Please tick where applicable

*† This does not mean the mode of dying, such as heart failure, asphyxia, ashenia, etc.: it means the disease, injury, or complication which caused death.*  
I hereby certify that I was in medical attendance during the above named deceased's last illness, and that the particulars and cause of death above written are true to the best of my knowledge and belief.  
Signature ..... Qualifications as registered by General Medical Council .....  
Residence ..... Date .....  
For deaths in hospital: Please give the name of the consultant responsible for the above- named as a patient .....

Annex B Draft entry form used in the current system for registering deaths (Form 310(REV))

<b>DEATH</b>		Register No.	Entry No.
Registration district	District & S. Dist. Nos.	Administrative area	
Sub-district			
1. Date and place of death (date) .....			
2. Name and surname		3. Sex	4. Maiden surname of woman who has married
5. Date and place of birth (date) .....			
6. Occupation and usual address			
7. (a) Name and surname of informant		(b) Qualification	
(c) Usual address			
8. Cause of death I(a) ..... (b) ..... (c) ..... II .....			
Certified by			
9. I certify that the particulars given by me above are true to the best of my knowledge and belief		Signature of informant	
10. Date of registration	11. Signature of registrar		
O NHS No.		Q (age)	

FORM 310(REV)

<b>DEATH</b>		District & SD Nos.	Register No.
D			
E	* 6 months or over	* Under 6 months	(i)
(iii)			(ii)
Z			Date of registration
<b>CONFIDENTIAL PARTICULARS</b> The particulars below, required under the Population (Statistics) Acts, will not be entered in the register. This confidential information will be used only for the preparation and supply of statistical information by the Registrar General. At date of death deceased was* Single 1 Married 2 Widowed 3 Divorced 4 Not known 5 (If married insert date of birth of spouse) Day Month Year			
G(a) Deceased or Mother		POSTCODE	
H(a)* 1 2 3 4 5			
G(b) Husband or Father			
H(b)* 1 2 3 4 5			
F* title		(vii)	
(iv)		(vii)	
R Last seen alive		Day Month Year	
S * Seen or Not Seen after death		a b c	
T Referred to Coroner by		1 Doctor 2 Registrar	
B SD * Enq		Yes No (viii)	
1 2		ME 2	
N Post Mortem		a b c	
Yes		z	
No		e	
W * Employment		(x) Edit control	

FORM 310(REV)

# Annex C Coroner's certificate after inquest (Form 99 (REV) A&B - white)

## CORONER'S CERTIFICATE AFTER INQUEST furnished under section 11(7) of the Coroner's Act 1988

To be completed by Registrar	
Register No.	
Entry No.	

To the

Registrar of Births and Deaths

Inquest held on  
at  
Was a post-mortem held?

### PART I PARTICULARS OF DECEASED (Not still born - see separate Form 99A)

1 Date and place of death

2 Name and surname

3 Sex

4 Maiden surname of woman who has married

5 Date and place of birth

6 Occupation and usual address

Cause of death I(a)

(b)

(c)

II

Verdict

SPECIMEN

### PART II VISITING FORCES

The inquest was adjourned on

{ \*under section 7 of the Visiting Forces Act 1952  
\*and has not been resumed

### PART III BURIAL/CREMATION

†Enter Order for Burial/Certificate E for Cremation

I have issued†  
on  
to  
of

### PART IV MARITAL CONDITION etc. All persons aged 16 and over

Insert appropriate number in box. 1 Single 2 Married 3 Widowed 4 Divorced 5 Not Known

If married enter date of birth of surviving spouse

Day	Month	Year

I certify that the findings of the inquest were as above.

Date

Signed

Name

Appointment

Jurisdiction

\*Delete as necessary

Form 99(REV)A  
SB17/2a 1/93



## Annex C - continued

<b>Name and surname of deceased</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center; padding: 2px;">To be completed by Registrar</th> </tr> <tr> <td style="width: 70%; padding: 2px;">District &amp; SD Nos.</td> <td style="width: 30%; padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Register No.</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Entry No.</td> <td style="padding: 2px;"></td> </tr> </table>	To be completed by Registrar		District & SD Nos.		Register No.		Entry No.	
To be completed by Registrar									
District & SD Nos.									
Register No.									
Entry No.									

**PART V ACCIDENT OR MISADVENTURE (including deaths from neglect or from anaesthetics)**

1. Place where accident occurred†

0. Home 1. Farm 2. Mine or quarry 3. Industrial place or premises 4. Place of recreation or sport	5. Street or highway 6. Public building 7. Resident institution 8. Other specified place 9. Place not known
---	---

☐

2. To be completed for all persons aged 16 and over  
When injury was received deceased was†

1. On way to, or from work 2. At work 3. Elsewhere	
--	--

☐

3. Details of how accident happened:

SPECIMEN

4. If motor vehicle incident, deceased was†

0. Driver of motor vehicle other than motor cycle 1. Passenger in motor vehicle other than motor cycle 2. Motor cyclist 3. Passenger on motor cycle 4. Occupant of tram car	5. Rider of animal; occupant of animal-drawn vehicle 6. Pedal cyclist 7. Pedestrian 8. Other specified person 9. Not known
---	--

☐

5. Interval between injury and death†

1. Less than one year	2. One year or more
-----------------------	---------------------

☐

†Please insert appropriate number in box

## Annex D Notification to the registrar by the coroner that he does not consider it necessary to hold an inquest - no post mortem held (Form 100A - salmon pink)

<b>NOTIFICATION TO THE REGISTRAR BY THE CORONER that he does not consider it necessary to hold an inquest</b>	To be completed by Registrar	
	Register No.	
	Entry No.	
<b>FORM A - NO POST-MORTEM HELD</b>		

To the  Registrar of Births and Deaths

### PARTICULARS OF THE DECEASED

Name and Surname	<div style="text-align: center; font-size: 4em; transform: rotate(-45deg); opacity: 0.5;">SPECIMEN</div>
Sex	
Age (or Date of Birth)	
Date of Death	
Place of Death	
Cause of Death I (a)	
(b)	
(c)	
II	
(Where this notification relates to a stillborn child, this should be stated)	

### CORONER'S CERTIFICATE

	The circumstances connected with the death of the above person have been reported to me and I do not consider it necessary to hold an inquest
Date	
Signed	
Name	
Appointment	
Jurisdiction	

# Annex E Notification to the registrar by the coroner that he does not consider it necessary to hold an inquest - post mortem held (Form 100B - pink)

<b>NOTIFICATION TO THE REGISTRAR BY THE CORONER</b> <b>that he does not consider it necessary to hold an inquest</b> <b>FORM B - POST-MORTEM held under Section 19 of the</b> <b>Coroner's Act 1988</b>	To be completed by Registrar	
	Register No.	
	Entry No.	

To the  Registrar of Births and Deaths

## PARTICULARS OF THE DECEASED

Name and Surname	
Sex	
Age (or Date of Birth)	
Date of Death	
Place of Death	

## CORONER'S CERTIFICATE

Cause of Death	I certify that a post-mortem examination of the body of the above person was made by the pathologist named below, whose report disclosed that the cause of death was:	
	I (a)	SPECIMEN
	(b)	
	(c)	
	II	
and I am satisfied that an inquest is unnecessary (Where this notification relates to a stillborn child, this should be stated)		
Pathologist		

## CERTIFICATE FOR CREMATION (Details to be entered if Certificate issued)

Issued on	
To	
Address	

Is a histological or bacteriological examination to be made?

Date	
Signed	
Name	
Appointment	
Jurisdiction	

INSTRUCTIONS TO REGISTRAR OVERLEAF

Form 100B  
SB29/5 1/93

# Annex F Coroner's certificate after inquest adjourned (Form 120A&B - yellow)

## CORONER'S CERTIFICATE AFTER INQUEST ADJOURNED furnished under section 16(4) of the Coroner's Act 1988

To be completed by Registrar

Register No.

Entry No.

To the

Registrar of Births and Deaths

Inquest held on  
at  
Was a post-mortem held?

### PART I PARTICULARS OF DECEASED (Not still born - see separate Form 99A)

1 Date and place of death

2 Name and surname

3 Sex

4 Maiden surname of woman who has married

5 Date and place of birth

6 Occupation and usual address

Cause of death I(a)

(b)

(c)

II

SPECIMEN

### PART III BURIAL/CREMATION

†Enter Order for Burial/Certificate E for Cremation

I have issued†  
on  
to  
of

### PART IV MARITAL CONDITION etc. All persons aged 16 and over

Insert appropriate number in box. 1 Single 2 Married 3 Widowed 4 Divorced 5 Not Known

If married enter date of birth of surviving spouse

Day	Month	Year

I certify that the findings of the inquest were as above.

Date

Signed

Name

Appointment

Jurisdiction

\*Delete as necessary

Form 120A  
SB19/2a 1/93

Annex F - continued

<b>Name and surname of deceased</b>
-------------------------------------

To be completed by Registrar	
District & SD Nos.	
Register No.	
Entry No.	

<b>PART V INCIDENT LEADING TO DEATH (Information for the statistical purposes of ONS only)</b>	
If motor vehicle incident, deceased was†	
0. Driver of motor vehicle other than motor cycle	5. Rider of animal; occupant of animal-drawn vehicle
1. Passenger in motor vehicle other than motor cycle	6. Pedal cyclist
2. Motor cyclist	7. Pedestrian
3. Passenger on motor cycle	8. Other specified person
4. Occupant of tram car	9. Not known

†Please insert appropriate number in box

SPECIMEN

# Annex G Coroner's certificate (reporting on action subsequent to an adjourned inquest) (Form 121 - blue)

Certificate sent to registrar on ..... \*by post/otherwise than by post

<p align="center"><b>CORONERS' CERTIFICATE</b></p> <p align="center">furnished under section 16(5) or 16(7)(b) of the Coroners Act 1988</p>
---

To be completed by Registrar	
Dist & Sub. Dist. Nos.	
Register No.	
Entry No.	

To the registrar of births and deaths for the sub-district of .....  
in respect of the inquest touching the death of .....  
at (place of death) .....  
which was adjourned under Section 16(1) of the Coroners Act 1988 on the .....

I hereby certify as follows:

## \*Part A

The inquest has not been resumed.

- \* (1) No criminal proceedings were instituted in respect of this death.  
\*(But criminal proceedings were instituted in the case of the associated death on .....  
of ..... )  

OR

\* (2) Criminal proceedings were instituted on a charge of .....  
.....  
As a result of these proceedings the defendant was .....  
.....  
.....

\* (3) Criminal proceedings were terminated by .....  
.....  
.....

## \*Part B

The inquest was resumed on .....

- (1) The finding of the inquest as to the cause of death:  
\*(a) was as stated in my certificate furnished under Section 16(4) of the Coroners Act 1988, OR  
\*(b) was .....  
.....  
.....  
.....  

(please state cause of death as found at resumed inquest)

.....

\* (2) No criminal proceedings were instituted in respect of this death.  
\*(But criminal proceedings were instituted in the case of the associated death on .....  
of ..... )  

OR

\* (3) Criminal proceedings were instituted on a charge of .....  
.....  
.....  
and the outcome was .....  
.....  
.....

Date ..... Signature .....

HM Coroner for .....  
\*Delete as necessary

# Annex H Declaration of Particulars for the Registration of a Death

BIRTHS AND DEATHS REGISTRATION ACT 1953, Section 23A

## DECLARATION of PARTICULARS for the REGISTRATION of a DEATH

I, \_\_\_\_\_, being a person qualified under the Births and Deaths Registration Act 1953 to give information for the registration of the death of the undermentioned, DO SOLEMNLY DECLARE that the particulars below are those which are required to be registered concerning such death, according to the best of my knowledge and belief.

1. Date and place of death	
2. Name and surname	3. Sex
	4. Maiden surname of woman who has married
5. Date and place of birth	
6. Occupation and usual address	
7. (a) Name and surname of informant	(b) Qualification
(c) Usual address	
8. Cause of death	

**SPECIMEN**

And I make this declaration solemnly and deliberately, in pursuance of Section 23A of the Births and Deaths Registration Act 1953,

Signature ..... Date

Signed and declared by the above }  
named declarant in the presence of .....Registrar of Births and Deaths

..... Sub-district .....District

Death registered by me at Entry No. ....Registrar

..... Sub-district .....District

**NOTICE:** By Section 4 of the Perjury Act 1911 it is an offence wilfully to make any false declaration for the purposes of any Act relating to the registration of births and deaths.