GENERAL REGISTER OFFICE

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THE
REGISTRAR GENERAL'S
STATISTICAL REVIEW

OF

ENGLAND AND WALES

FOR THE YEAR

1963

PART III COMMENTARY





LONDON

HER MAJESTY'S STATIONERY OFFICE

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HER MAJESTY'S STATIONERY OFFICE

1966

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EXPLANATORY NOTES

New change in presentation

A computer has been used for the first time in the production of many of the statistics in this volume. The size of the pages has been altered from royal octavo to demy quarto to maintain uniformity of page size with Parts I and II of the Statistical Review. Some tables have been re-arranged to make better use of the available space but alteration in layout and presentation have been kept to a minimum.

2. Populations

The estimates of population appearing in this volume and described as "home", "total" or "civilian" have the following content:

Home population - the population, of all types, actually in England and Wales, distributed by area according to residence.

Total population - the home population plus members of H.M. Forces belonging to England and Wales and serving overseas but minus the Forces of other countries temporarily in England and Wales.

Civilian population - the total population minus members of H.M. Forces belonging to England and Wales at home or overseas.

3. Stillbirths

Classification of stillbirths by cause is according to the Supplementary List, set out on pages 336-348 of the International Statistical Classification of Diseases, Injuries and Causes of Death, 1955* (Seventh Revision), with further sub-division of certain rubrics, and as modified by the following changes of assignment:

Rubrics to which cause is assigned

Cause of stillbirth	(i) in International Classification	(ii) in Statistical Review
Patent ductus arteriosus Patent foramen ovale Congenital heart condition NOS Foetal heart condition NOS	39.5	38.41 38.43 38.45 38.45

^{*} Manual obtainable from Her Majesty's Stationery Office, price 35s. Od. net.

4. Numbering of tables

Of the tables referred to in this review, those numbered in Arabic numerals (without prefix) will be found in "Part I, Tables, Medical" and those lettered will be found in "Part II, Tables, Population" for the year in question, while those numbered in Arabic numerals with the prefix C appear in this volume.

5. Standardised mortality comparison

The Comparative Mortality Index introduced in 1942 has since 1958 been replaced by a Standardised Mortality Ratio which shows the number of deaths registered in the year of experience as a percentage of those which would have been expected in that year had the sex/age mortality of a standard period (1950-1952) operated on the sex/age population of the year of experience.

6. Indication of reliability

Rates given as O indicate that the actual rate is less than one half a unit. A dash (-) in any cell indicates that there were no events. Where a cell has been left blank no denominator is available.

Rates calculated from less than 20 events are distinguished by italic type as a warning to the user that the smallness of the experience may affect their reliability as a measure.

Numbers

If d represents the deaths in an area and p the population in that area then, if d/p is small, the standard error (s.e.) of d is approximately p/d assuming that the deaths are independent of one another. Clearly, the larger the number of deaths the smaller will be the proportionate variability. A deviation either way of twice the s.e. may be expected about once in 20 times. Using this criterion one might expect towns each averaging 20 deaths per year to yield in the same year numbers ranging between 11 and 29 without such differences having any statistical significance. Alternatively it could be said that if 20 deaths were recorded for a town, this number would have a 95 per cent confidence interval of approximately p/29, there being a 95 per cent chance that the underlying mortality is represented by a number of deaths within this interval.

If d is thought to be an extreme variation it would be more reliable to use as the standard error not \sqrt{d} but $\sqrt{d'}$ where d' is the number of deaths expected if some standard rate (e.g. the national rate) were applied.

Rates

The appropriate standard error of a death rate when d represents the number of deaths and ϕ the population is

$$\frac{\sqrt{d}}{b}$$
 or $\frac{m}{\sqrt{d}}$

where m is the death rate. The difference between two local death rates m_1 and m_2 can be regarded as significant only if it amounts to more than twice the standard error of the difference, viz.

$$2 \sqrt{\frac{m_1^2}{d_1} + \frac{m_2^2}{d_2}}$$

Comparison of adjusted rates

Before comparisons are made, other known sources of variation (such as differences in the sex and age composition of the population) must be removed. If $\mathcal C$ is the local death Area Comparability Factor (see p. 57, 1954 Review, Part III), then $m\mathcal C$ is to be compared with m', the national death rate. The s.e. of $m\mathcal C$ is

$$C \sqrt{\left(\frac{m}{p}\right)}$$

and

$$mC \pm 2C \sqrt{\left(\frac{m}{p}\right)}$$

is to be compared with m'. As already indicated, m' can be used instead of m in the calculation of the s.e.; m' has the advantage of itself having only a small sampling error.

7. Abbreviations

- A.C. administrative county (the administrative county of London consists of the City of London [including the Inner and Middle Temple] and the metropolitan boroughs).
- C.B. county borough.
- M.B. municipal borough.
- Met. B. metropolitan borough.
- U.D. urban district.
- R.D. rural district.

8. Standard Regions

The constitution of the standard regions of England and Wales used in this volume is as follows:

Northern

Cumberland
Durham
Northumberland
Westmorland
Yorkshire, North Riding

East and West Ridings

Yorkshire, East Riding Yorkshire, West Riding

North Western

Cheshire Derbyshire, Part of¹ Lancashire

North Midland

Derbyshire, Part of²
Leicestershire
Lincolnshire
Parts of Holland
Parts of Kesteven
Parts of Lindsey
Northamptonshire
Nottinghamshire
Peterborough, Soke of
Rutland

Midland

Herefordshire Shropshire Staffordshire Warwickshire Worcestershire

Eastern

Bedfordshire
Cambridgeshire
Ely, Isle of
Essex, Part of⁸
Hertfordshire, Part of⁴
Huntingdonshire
Norfolk
Suffolk, East
Suffolk, West

London and South Eastern

Essex, Part of⁵
Hertfordshire, Part of⁶
Kent
London A.C.
Middlesex
Surrey
Sussex, East
Sussex, West

Southern

Berkshire
Buckinghamshire
Dorset, Part of⁷
Hampshire
Oxfordshire
Wight, Isle of

South Western

Cornwall
Devon
Dorset, Part of⁸
Gloucestershire
Somerset
Wiltshire

Wales I (South East)

Breconshire Carmarthenshire Glamorgan Monmouthshire

Wales II (remainder)

Anglesey
Caernarvonshire
Cardiganshire
Denbighshire
Flintshire
Merionethshire
Montgomeryshire
Pembrokeshire
Radnorshire

9. Conurbations

The conurbation areas each consist of an aggregation of entire local authority areas and are constituted as follows:

Tyneside

Durham (part)

Gateshead C.B. South Shields C.B.

Felling U.D. Hebburn U.D. Jarrow M.B. Whickham U.D.

Northumberland (part)

Newcastle upon Tyne C.B. Tynemouth C.B.

Newburn U.D.
Wallsend M.B.
Whitley Bay M.B.

Gosforth U.D. Longbenton U.D.

West Yorkshire

Yorkshire, West Riding (part)

Colne Valley U.D. Bradford C.B. Denby Dale U.D. Dewsbury C.B. Halifax C.B. Denholme U.D. Elland U.D. Huddersfield C.B. Heckmondwike U.D. Leeds C.B. Holmfirth U.D. Wakefield C.B. Aireborough U.D. Horbury U.D. Baildon U.D. Horsforth U.D. Keighley M.B. Batley M.B. Binglev U.D.

Mirfield U.D.
Morley M.B.
Ossett M.B.
Pudsey M.B.
Queensbury and Shelf U.D.
Ripponden U.D.
Rothwell U.D.
Shipley U.D.

Keighley M.B.Sowerby Bridge U.D.Kirkburton U.D.Spenborough M.B.Meltham U.D.Stanley U.D.

South East Lancashire

Cheshire (part)

Stockport C.B.

Brighouse M.B.

Alderley Edge U.D.
Altrincham M.B.
Bowdon U.D.
Bredbury and Romiley U.D.
Cheadle and Gatley U.D.

Dukinfield M.B. Hale U.D. Hazel Grove and Bramhall U.D. Hyde M.B.

Marple U.D.
Sale M.B.
Stalybridge M.B.
Wilmslow U.D.

Disley R.D.

Lancashire (Part)

Bolton C.B.
Bury C.B.
Manchester C.B.
Oldham C.B.
Rochdale C.B.
Salford C.B.

Ashton-under-Lyne M.B. Audenshaw U.D. Chadderton U.D. Crompton U.D. Denton U.D.

Droylsden U.D. Eccles M.B. Failsworth U.D. Farnworth M.B. Heywood M.B.

Horwich U.D. Irlam U.D.

Kearsley U.D.
Lees U.D.
Littleborough U.D.
Little Lever U.D.
Middleton M.B.

Milnrow U.D.
Mossley M.B.
Prestwich M.B.
Radcliffe M.B.
Royton U.D.

Stretford M.B.
Swinton and Pendlebury M.B.
Tottington U.D.
Urmston U.D.
Wardle U.D.

Westhoughton U.D. Whitefield U.D. Whitworth U.D. Worsley U.D.

Buxton M.B., Glossop M.B., New Mills U.D., Whaley Bridge U.D. and Chapel en le Frith R.D. All except areas stated in 1 above.

All except East Ham C.B., West Ham C.B., Chingford M.B., Wanstead and Woodford M.B., Leyton M.B., Walthamstow M.B., Ilford M.B., Barking M.B., Dagenham M.B., Waltham Holy Cross U.D. and Chigwell U.D.

All except Barnet U.D., Bushey U.D., Cheshunt U.D., East Barnet U.D. and Elstree R.D.

All areas stated in 3 above.

All areas stated in 4 above.

⁷ Poole M.B. only.

All areas except Poole M.B.

Merseyside

Cheshire (bart)

Birkenhead C.B. Wallasev C.B.

Bebington M.B.

Ellesmere Port M.B. Hovlake U.D.

Neston U.D. Wirral U.D.

Lancashire (bart)

Bootle C.B. Liverpool C.B.

Crosby M.B. Huvton-with-Roby U.D. Litherland U.D.

West Midlands

Staffordshire (part)

Smethwick C.B. Walsall C.B. West Bromwich C.B. Wolverhampton C.B.

Aldridge U.D. Amblecote U.D. Bilston M.B. Brierlev Hill U.D. Coseley U.D.

Darlaston U.D. Rowley Regis M.B. Sedgley U.D. Tettenhall U.D. Tipton M.B.

Wednesbury M.B. Wednesfield U.D. Willenhall U.D.

Warwickshire (bart)

Birmingham C.B.

Solihull M.B. Sutton Coldfield M.B.

Worcestershire (bart)

Dudley C.B.

Halesowen M.B. Oldbury M.B. Stourbridge M.B.

Greater London

London A.C.

Middlesex

Essex (bart)

East Ham C.B. West Ham C.B.

Barking M.B. Chigwell U.D. Chingford M.B. Dagenham M.B. Ilford M.B.

Leyton M.B. Waltham Holy Cross U.D. Walthamstow M.B. Wanstead and Woodford M.B.

Hertfordshire (part)

Barnet U.D. Bushev U.D. Cheshunt II.D. East Barnet U.D.

Elstree R.D.

Kent (bart)

Beckenham M.B. Bexlev M.B. Bromley M.B. Chislehurst and Sidcup U.D.

Cravford U.D. Erith M.B. Orpington U.D. Penge U.D.

Surrey (part)

Crovdon C.B.

Banstead U.D. Barnes M.B. Beddington and Wallington M.B. Carshalton U.D.

Coulsdon and Purley U.D. Epsom and Ewell M.B. Esher U.D. Kingston-upon-Thames M.B. Malden and Coombe M.B.

Merton and Morden U.D. Mitcham M.B. Richmond M.B. Surbiton M.B. Sutton and Cheam M.B. Wimbledon M.B.

10. Urban and rural aggregates

These aggregates comprise (a) the six conurbations combined, (b) the aggregates of urban local authority areas outside the conurbations in three groups according to the size of their resident population at the 1961 Census and (c) the aggregate of rural local authority areas outside the conurbations. Urban areas include boroughs and urban districts as defined by the Local Government Acts, and rural districts are also defined by those Acts.

II. Hospital Regions

The hospital regions each consist of an aggregation of local authority areas. including associated county boroughs, and are constituted as follows:

Newcastle

Cumberland

Durham

Northumberland

Westmorland (bart)

Appleby M.B.

North Westmorland R.D.

Yorkshire, North Riding (part)

Middlesbrough C.B.

Eston U.D. Guisborough U.D. Loftus U.D. Northallerton U.D. Redcar M.B. Richmond M.B.

Saltburn and Marske-by-the-Sea U.D. Skelton and Brotton U.D. Thornaby-on-Tees M.B.

Croft R.D. Northallerton R.D. Reeth R.D. Richmond R.D. Startforth R.D. Stokesley R.D.

Leeds

Yorkshire, East Riding

Yorkshire, North Riding (part) (except areas stated in Newcastle Region)

Yorkshire, West Riding (part) (except areas stated in Sheffield Region)

Sheffield

Leicestershire

Lincolnshire

Parts of Holland Parts of Lindsey

Nottinghamshire

Derbyshire (part) (except areas stated in Manchester Region)

Lincolnshire

Parts of Kesteven (bart) (except areas stated in East Anglia Region)

Rutland (bart)

Oakham U.D. Oakham R.D. Uppingham R.D.

Barnsley C.B. Doncaster C.B. Rotherham C.B. Sheffield C.B.

Adwick-le-Street U.D. Bentley with Arksey U.D. Conisborough U.D. Cudworth U.D. Darfield U.D.

Darton U.D. Dearne U.D. Dodworth U.D. Hoyland Nether U.D. Maltby U.D.

Mexborough U.D. Penistone U.D. Rawmarsh U.D.

Yorkshire, West Riding (part)

Royston U.D. Stockbridge U.D. Swinton U.D. Tickhill U.D.

Wath-upon-Dearne U.D. Wombwell U.D. Worsborough U.D.

Doncaster R.D. Kiveton Park R.D. Penistone R.D. Rotherham R.D.

Thorne R.D. Wortley R.D.

East Anglia

Cambridgeshire

Ely, Isle of

Huntingdonshire

Norfolk

Peterborough, Soke of

Suffolk, East

Suffolk, West

Essex (part)

Saffron Walden M.B. Saffron Walden R.D.

Hertfordshire (part)

Royston R.D.

Lincolnshire

Parts of Kesteven (part)

Stamford M.B. Bourne II. D.

South Kesteven R.D.

Rutland (part)

Ketton R.D.

North West Metropolitan

Bedfordshire

Hertfordshire (bart) (except areas stated in East Anglia and North East Metropolitan Regions)

Middlesex (bart) (except areas stated in North East Metropolitan Region)

Berkshire (part)

Maidenhead M.B. New Windsor M.B. Cookham R.D.

Easthampstead R.D. Windsor R.D.

Buckinghamshire (part)

Beaconsfield U.D. Eton U.D. Slough M.B. Eton R.D.

London Admin. County (part)

Hammersmith Met. B. (part) Hampstead Met. B. Holborn Met. B. Islington Met. B. Kensington Met. B. (part)

Paddington Met. B. (part) St. Marylebone Met. B. St. Pancras Met. B. Westminster Met. B. (part)

North East Metropolitan

Essex (part) lexcept areas stated in East Anglia Region)

Middlesex (part)

Edmonton M.B. Enfield M.B. Tottenham M.B.

Hertfordshire (part)

Bishop's Stortford U.D. Cheshunt U.D. Hertford M.B. Hoddesdon U.D. Sawbridgeworth U.D. Ware U.D. Braughing R.D.

Hertford R.D.

Ware R.D.

London Admin. County (part)

City of London Inner and Middle Temple Bethnal Green Met. B. Finsbury Met. B. Hackney Met. B. Poplar Met. B. Shoreditch Met. B. Stepney Met. B. Stoke Newington Met. B.

South East Metropolitan

Kent

Sussex, East

London Admin. County (part)

Bermondsey Met. B. Camberwell Met. B. Deptford Met. B. Greenwich Met. B.

Lambeth Met. B. (bart) Lewisham Met. B. Southwark Met. B. (part)

Woolwich Met. B.

South West Metropolitan

Surrey

Sussex. West

Hampshire (part)

Aldershot M.B. Farnborough U.D. Fleet U.D. Hartley Wintney R.D. (part) Petersfield R.D. (part)

London Admin. County (part)

Battersea Met. B. Chelsea Met. B. Fulham Met. B. Hammersmith Met. B. (part) Wandsworth Met. B.

Kensington Met. B. (part)

Lambeth Met. B. (part) Paddington Met. B. (part) Southwark Met. B. (part) Westminster Met. B. (part)

Wessex

Wight, Isle of

Dorset (part) (all areas except Lyme Regis M.B.)

Hampshire (part) (except areas stated in South West Metropolitan Region) Salisbury and Wilton R.D.

Wiltshire (part)

Salisbury M.B. Wilton M.B. Amesbury R.D. Mere and Tisbury R.D.

Oxford

Northamptonshire

Oxfordshire

Berkshire (part) (except areas stated in North West Metropolitan Region)

Buckinghamshire (part) (except areas stated in North West Metropolitan Region)

Gloucestershire (part)

Cirencester U.D.

Cirencester R.D. North Cotswold R.D. Northleach R.D.

Wiltshire (bart)

Marlborough M.B. Swindon M.B.

Cricklade and Wootton Bassett R.D. Highworth R.D. Marlborough and Ramsbury R.D. Pewsey R.D.

South Western

Cornwall. Devon. Somerset.

Dorset (bart)

Lyme Regis M.B.

Gloucestershire (part) (except areas stated in Oxford Region)

Wiltshire (bart) (except areas stated in Wessex and Oxford Regions)

Welsh

All areas in Wales including Monmouthshire

Birmingham

Herefordshire

Shropshire

Staffordshire

Warwickshire

Worcestershire

Manchester

Cheshire (bart) (except areas stated in Liverpool Region)

Lancashire (part) (except areas stated in Liverpool Region)

Westmorland (part) (except areas stated in Newcastle Region) Derbyshire (part)

Buxton M.B. Glossop M.B. New Mills U.D. Whaley Bridge U.D.

Chapel en le Frith R.D.

Liverpool

Bootle C.B.

Crosby M.B.

Formby U.D.

Golborne U.D.

Havdock U.D.

Liverpool C.B.

St. Helens C.B.

Southport C.B.

Warrington C.B.

Cheshire (part)

Birkenhead C.B. Chester C.B. Wallasey C.B.

Bebington M.B. Ellesmere Port U.D.

Hovlake U.D. Lymm U.D. Neston U.D.

Runcorn U.D. Wirral U.D.

Chester R.D.

Northwich R.D. (part)

Runcorn R.D. Tarvin R.D.

Lancashire (part)

Litherland U.D. Newton-le-Willows U.D.

Ormskirk U.D. Prescot U.D. Rainford U.D.

Widnes M.B.

Warrington R.D.

Huyton with Roby U.D. Kirkby U.D.

Skelmersdale U.D.

West Lancashire R.D. Whiston R.D.

12. Assignment of vital statistics by area

In all tables births and stillbirths are classified according to the area of usual residence of the mother, and deaths to the area of usual residence of the deceased, if this is within England and Wales; if not, to the area of occurrence. Accommodation provided under Parts III and IV of the National Assistance Act, 1948. is regarded as the place of residence of persons dying there. Before 1st January. 1958. chronic sick and psychiatric hospitals were similarly treated for this purpose but from that date the method of classification was modified, the main change being that a death in such a hospital is now assigned to the area of occurrence only if the deceased had been there six months or more. If the deceased had been there less than six months the death is transferred to the area of previous usual residence.

13. General

See also the Explanatory Notes to the Tables Volumes, Parts I and II.

CORRECTIONS

Statistical Review, 1962: Part III Commentary

Page 187 Table CXXIII (E); column 3
Chester
for 327.9 read 1,327.9

Page 266 Table CXLIII; column 3
Salicylate
for Tubercular degeneration of kidneys read Tubular degeneration
of kidneys

INTRODUCTION

The contents of this volume follows the pattern for previous years in that it contains comment on statistics of life and death already published in Parts I and II of the Statistical Review for 1963. This year marked the adoption by the General Register Office of automatic data processing equipment, with consequent changes in the layout of some of the tables published in the two earlier volumes and in both the size and method of production of the Statistical Review as a whole. In view of these changes, an account is published in this volume, in the chapter entitled "Vital Statistics in England and Wales", of the sources of these statistics and the ways in which they are now processed. 1963 was also the final year during which information on intending migrants travelling to and from the United Kingdom by the long sea routes was statutorily collected and this has led to the inclusion of a separate chapter on migration. Other special features include a review of the effects on mortality of the cold winter of 1963, an analysis of deaths from thyrotoxicosis and myxoedema during the past twenty years and a report on the methods used to compile estimates of the marital condition of the population.

For the future - that is, in the Commentary volume relating to 1964 and on-wards - some substantial changes are to be introduced. First, the intention is to publish comment on significant statistical trends more quickly in publications other, and possibly more specialised, than the Statistical Review. If such comment is not, for convenience, repeated later in the Statistical Review, reference to it will be given; but in general the Commentary volume will be reserved for broad coverage of the main national trends. Secondly, beginning with the Statistical Review for 1965, a considerable number of tables which until now have been published in the Commentary volume will appear instead in Parts I and II as appropriate, the intention being that, so far as possible, tables should be published in the Commentary only if they are illustrative of the text.

General Register Office, Somerset House, London, W.C.2.

January 1966.

VITAL STATISTICS IN ENGLAND AND WALES

A survey of sources and production

Compulsory registration of births, marriages and deaths serves two main purposes - on the one hand legal and administrative and on the other statistical. This chapter describes how the machinery operates in England and Wales for the second purpose - that is, producing vital statistics.

The rapid development of vital statistics which followed the introduction of compulsory registration throughout England and Wales was due largely to administrative action within the General Register Office. The Births and Deaths Registration Act, 1836, required the Registrar General to produce a "general abstract" including marriage statistics to be laid before Parliament annually, and this requirement was given a wide interpretation from the outset. A comprehensive series of vital statistics was built up, closely linked with the statistical information derived from the decennial censuses. But the essential raw materials for these vital statistics depend for their accuracy both on the skill of the local registration officer in obtaining the facts from the public and recording them, and on the cooperation of the citizen who gives the information required. No amount of statistical processing could cure weaknesses in the information collected and so, but for that skill and that co-operation, there would be lost valuable basic material used not only for the routine day-to-day assessment of the needs of the community, but also for the study of social, medical and economic problems.

The registration system in England and Wales

One of the main reasons for the establishment in 1837 of a system of civil registration was specifically to provide legal records which would be beyond suspicion and unambiguous in their content. It was against this background that various systems were considered, and it was decided that a system of oral question and answer was the one most likely to achieve this object. Under the current statute (the Births and Deaths Registration Act, 1953) the system which was introduced in 1837 is continued broadly unchanged.

The registration service is organised locally under the Registration Service

Act. 1953. The councils of counties, county boroughs and London boroughs have the responsibility for dividing their authorities into registration areas, and for appointing and paying the necessary number of registration officers, who are instructed in their duties by the Registrar General. Since this is essentially a local service and because it is important that registration facilities should be readily available to all citizens, wherever they may live, the amount of work in a registration area drawn up by a local authority does not always justify the appointment of a whole-time officer, and in fact more than half the registration officers in this country occupy part-time posts.

At the present time there are some 1,200 registrars of births and deaths, each one responsible for the collection and registration of information relating to every

birth, stillbirth and death which occurs within the sub-district for which he is responsible. Each one has an office which he attends during publicly announced hours, and many also attend at out-stations, hospitals and maternity homes in the area to give informants every opportunity to discharge their registration duties. (Arrangements for the registration of marriages are a separate matter, and are discussed later.)

The registration of births

Information for the registration of the birth of a child must be given by a qualified informant, within 42 days after the birth, to the registrar of births and deaths for the sub-district in which the event occurred, either directly or through any other registrar. The duty of giving this information rests primarily with the parents of the child, but other qualified informants include the occupier of the place where the birth occurred, a person present at the birth, or a person in charge of the child. If the child is illegitimate, the father of the child is not qualified as such to give information for the registration and his name cannot be entered in the register unless he and the mother attend together before the registrar and both sign the register. The births of about 40 per cent of illegitimate children are registered in this way on the information of both parents.

When a qualified informant attends to give information for the registration of a birth, the registrar questions him about the date and place of the birth, the name and sex of the child, the name and occupation of the father, and the name and maiden name of the mother and her usual residence if the child was born away from home. He enters this information on to a form of draft entry, which serves various purposes (see page 8) as well as its use as a document which the registrar can show to the informant to check that the particulars which he has taken down are correct before he enters them in the register. The correction of errors which are not detected at this stage may prove a lengthy and tedious procedure. At the same time the registrar obtains and records on the form the confidential particulars required under the Population (Statistics) Acts, which are not entered in the register and are used only for statistical purposes. When the informant agrees that the information which he has given has been correctly written on the form, the registrar makes the entry in the register, and this is signed by both the informant and the registrar.

The registration of deaths

Information for the registration of a death must be given by a qualified informant, within five days after the death, to the registrar of births and deaths for the sub-district in which the event occurred. People qualified to give information include relatives of the deceased, people present at the death, the occupier or an inmate of the place where the death occurred, and the person responsible for the arrangements for the burial or cremation. About three-quarters of the deaths of men and two-thirds of the deaths of women are registered on the information of close relatives. The remainder are registered mainly on the information of unrelated persons, such as chief resident officers of hospitals.

The procedure at the registration of a death is similar to that for a birth, except that in addition to the information which is given by the informant (date and place of death, name, sex, age and occupation of deceased and his usual residence if the death took place elsewhere) the registrar also copies particulars of the cause

LIVE BIRTH

District :-					
	nt	-4	-1	-4	
	1 11	ST	т	CT	_

Sub-district:-

	Entry No.
Informant's name and address Qualification	n A C
DRAFT OF PARTICULARS TO BE REGISTERED	
1. When and where born	D
2. Name, if any	3. Sex
4. Name and surname of father	
5. Name, surname and maiden surname of mother	F
6. Occupation of father	H
P	
CONFIDENTIAL PARTICULARS The following particulars, which are required under the Population (Stawill not be entered in the register. This information will be confidential and statistics by the Registrar General.	
In all cases: 1. Mother's age at her last birthday before the above birth	
Where the father's name is entered in the register: 2. Father's age at his last birthday before the above birth	
Where the child is of legitimate birth: 3. Date of marriage:— Month	Year
 4. Has the mother been married more than once? (Yes or No) 5. Mother's previous children (excluding birth or births now being reginand any former husband:— 	stered) by her present husband
a. Number born alive (including any who have since died)b. Number still-born	
b. Number still-born If the birth is one of twins or multiple births, registration officer to star	

DEATH

District:-

Sub-district:-

		Entry No.				
Informant's name and address	Qualification	С				
DRAFT OF PARTICULA	RS TO BE REGISTERED					
1. When and where died		D				
2. Name and surname		3. Sex				
		4. Age				
5. Occupation		Е				
		F				
		G				
		H Employee* Self-employed { with employees* w/o employees*				
6. Cause of death		J				
I a		I				
Ъ		I				
c		J				
II		Ĵ				
Certified by		M				
P	O National Health Service Medical card collected: Yes* No* If No: NHS No. or date of birth.					
The following particulars, which a	NFIDENTIAL PARTICULARS re required under the Population (Statis is information will be confidential and us	stics) Acts of 1938 and 1960, ed only for the preparation of				
1. State whether at the date of death (b) married, (c) widowed, or (d) d						
2. If married at the date of death, s deceased's surviving widow or wid	tate age last birthday of					
Signature of registrar		Date of registration.				

STILL-BIRTH

District:

Sub-district:-

	Entry No	
Informant's name and address Qualification	C	В
DRAFT OF PARTICULARS TO BE REGISTERED		
1. When and where born	D	
3. Name and surname of father	2. Sex	
4. Name, surname and maiden surname of mother	F G	
5. Occupation of father	Н	
8. Cause of death and evidence that child was still-born: I a b	K	Avail labor
c II Certified by	L lbs.	oz.
P		
CONFIDENTIAL PARTICULARS		
The following particulars, which are required under the Population (Statist will not be entered in the register. This information will be confidential and used statistics by the Registrar General.	ics) Acts of 193 d only for the pr	8 and 1960, eparation of
In all cases: 1. Mother's age at her last birthday before the above birth		
Where the father's name is entered in the register: 2. Father's age at his last birthday before the above birth		
Where the child is of legitimate birth:		
3. Date of marriage:— Month	Year	
 4. Has the mother been married more than once? (Yes or No) 5. Mother's previous children (excluding birth or births now being registered and any former husband:— 	l) by her presen	t husband
a. Number born alive (including any who have since died) b. Number still-born		
If the birth is one of twins or multiple births, registration officer to state here the entry number(s) at which the other birth(s) are registered.	Live births	Still-births
Signature of registrar	Date of re	gistration

of death from the medical certificate which the doctor who had been in attendance on the deceased has sent to the registrar or given to the informant. A draft entry (see page 5) is prepared and additional information, not for entry in the register, is obtained.

In cases where it is necessary to report a death to a coroner, it cannot be registered until he has completed his investigations. When an inquest is held, the registrar will register the death on the authority of a document issued to him by the coroner, and in such cases the attendance of an informant is not required.

The registration of stillbirths

A stillborn child is a child which has issued forth from its mother after the twenty-eighth week of pregnancy, and which did not at any time after being completely expelled from its mother breathe or show any other signs of life. As in the case of a live birth, the duty of giving information for the registration of the birth of a stillborn child rests primarily on the parents, or, failing them, on the occupier of the place where the stillbirth occurred, or a person present at the birth. Before making a registration, the registrar of the sub-district where the birth occurred requires evidence that it was indeed a stillbirth, and this takes the form of a certificate setting out the cause of death which will have been issued by the doctor who was present at the birth or who examined the body or, if there was no such doctor, by the midwife in attendance on the mother. The particulars recorded in a stillbirth register are the same as for live births, except that the child is not named, and the cause of death is recorded.

The registration of marriages

In this country marriage may be celebrated between persons aged sixteen or over, either according to the rites and ceremonies of the Church of England after appropriate ecclesiastical preliminaries or, after the appropriate civil preliminaries have been observed, according to the rites of any other religious denomination or before a superintendent registrar.

At the present time there are some 530 superintendent registrars, each one responsible for the conduct of civil preliminaries to marriage within his district. Each one attends at the district register office during publicly announced hours, and also at the solemnization of civil marriages at the register office between the statutory hours of 8 a.m. and 6 p.m.

Marriage after civil preliminaries may be on the authority of a superintendent registrar's certificate, without licence, or of his certificate and licence, and may be solemnized in a register office, in a registered building (i.e. a place of worship which has been registered for the solemnization of marriages) or according to the usages of the Jews or Quakers. These documents are issued by superintendent registrars after the parties wishing to marry have followed the statutory procedures required for the giving of notice of marriage. It is at this stage that the necessary facts about the parties proposing to marry are brought to light, and any consents required by law are given.

Marriages are registered immediately after the conclusion of the ceremony. A marriage in a church of the Church of England is registered by the clergyman who

solemnized the marriage. A marriage in a nonconformist church may be solemnized in the presence of an authorised person (i.e. a person authorised by the trustees or governing body to be present at the solemnization of marriages in the building) in which case the marriage is registered by that person, or in the presence of a registrar of marriages (who is frequently the local registrar of births and deaths), who will register the marriage. A marriage in a register office is registered by the registrar of marriages. The particulars recorded in the marriage register include the date and place of the marriage, the names, ages, marital condition and occupations of the parties, and the names and occupations of their respective fathers. The entry is signed by both parties to the marriage and two witnesses.

The statistical record

Births, stillbirths and deaths

The form of draft entry already referred to is designed to serve several purposes besides its use in avoiding errors in the register, and in fact it constitutes the basic statistical record of each live birth, stillbirth, or death. The three forms are reproduced on pages 4 to 6. The draft of the register entry itself shows the essential facts of sex, age, legitimacy, cause of death, etc., but in addition the form enables the registrar to record certain other particulars which supplement these. It also constitutes the form provided under the Population Statistics Acts, 1938 and 1960, for recording particulars on fertility which, because they are treated as confidential in accordance with the Acts, cannot be entered in the register.

The supplementary particulars include information from the medical certificate of cause of death, such as the duration of the morbid conditions reported and whether or not a post-mortem examination has taken place or, in the case of a stillbirth, information from the certificate of stillbirth on the duration of pregnancy and the birth weight. The registrar also enters on the form supplementary particulars of the occupation entered in the register where these are necessary for statistical analysis. Employment status is also recorded and, if it can be definitely ascertained, the name of the administrative area in which the usual residence of the mother or the deceased person is situated.

The particulars on fertility which are entered on the draft entry form are those specified in the schedule to the Population (Statistics) Act, 1960. They comprise, for all births (including stillbirths), the age of the mother; for all legitimate births and those illegitimate births where the father's name is entered in the register (i.e. where the father is joint informant with the mother) the age of the father; and for all legitimate births the date of the parents' marriage, whether the mother had been previously married, and the numbers of the mother's previous liveborn and stillborn legitimate children. For deaths the particulars required comprise the marital status of the deceased person and, if married, the age of the surviving husband or wife.

Thus, practically all the raw material for detailed statistical analysis of births, stillbirths and deaths is drawn together at the registration stage and included in one self-contained document for each event. The only exception to this occurs if the medical certificate, coroner's certificate or certificate of stillbirth states that other medical information, for example from a post-mortem examination, may become available later. In these circumstances the registrar sends to the certifier an enquiry form which is returnable in due course direct to the Statistical

Division of the General Register Office, where the further information is transcribed to the original draft entry form.

Marriages

The circumstances of marriage registration, immediately after the ceremony, do not lend themselves to the filling in at that time of a separate statistical form akin to that used for births and deaths, and in any case the basic facts concerning the parties themselves will have been ascertained beforehand in the course of the preliminaries to marriage, as mentioned earlier. Because of the differing systems of preliminaries, civil and ecclesiastical, and the variety of registering authorities, the quality of the information from the statistical viewpoint is less uniform than obtains with births and deaths. No attempt is made, therefore, to derive marriage statistics in a comparable degree of detail, and a separate record is not used.

The copies of marriage entries which each registering authority submits quarterly for the central archives are themselves used for statistical purposes. No separate coding process is necessary and cards are punched directly from the entries. The details extracted consist of the registration district in which the marriage took place, the parties' ages and previous marital condition, the month of marriage, the nature of the ceremony (religious denomination or civil ceremony), and the type of preliminaries.

Submission of returns

At the end of each week the registrar sends his draft entry forms relating to the week's birth and death registrations, together with control records and certain other material, to the Statistical Division (now located at Titchfield, near Fareham, Hampshire). Here various operations are carried out on the week's forms from all over the country. For example, registrations in London are coded for cause of death, and by Tuesday of each week a tabulation is prepared by hand, showing the numbers of deaths by age and cause, for publication in the following Saturday's Weekly Return. Other operations include the extraction of details of deaths where cancer is mentioned, for use by regional cancer registries, and the mechanical (dyeline) copying of certain particulars from every death form for use in the National Health Service Central Register.

For most purposes however, it is convenient to subject each calendar month's registrations of births and deaths separately to statistical processing up to and including the initial computer stage. The statistical forms from each registrar are therefore accumulated, in separate collections of births, stillbirths and deaths, until the month is complete, before the main processing operations are begun.

Processing operations

Coding for area. Tabulations are produced, for the most part annually, for various sub-divisions of the country as well as for England and Wales as a whole. The tabulations are in differing degrees of detail, according to the administrative status of the sub-division, but the basic units distinguished are the 1,400 or so local government administrative areas, i.e. county, London and municipal boroughs, and urban and rural districts. Other sub-divisions such as regions, conurbations,

and administrative counties, are aggregates of these units. The units vary in size from Birmingham County Borough with over 35 thousand births and deaths a year to places such as Llanwrtyd Wells Urban District with under 20 births and deaths a year.

Births and deaths have to be entered in the registers for the area in which they occur, but for tabulation purposes births are assigned to the usual residence of the mother, and deaths to the usual residence of the deceased person, according to the information given at registration, provided that this address is in England or Wales. If it is not, or if the place of usual residence is not ascertainable. the birth or death is necessarily assigned to the area of occurrence. There are special rules relating to the inmates of certain institutions such as chronic sick hospitals, prisons, etc.* An area code denoting the local government area concerned has accordingly to be given to each event. This is a clerical process, but the labour is somewhat reduced by including in the printed draft entry forms supplied to each registrar the code relating to the area in which the events registered in his sub-district (or most of them) are known to occur. The area coding process is thus reduced to amending the printed code in those cases where the area of usual residence differs. This is not always a straightforward task, particularly where localities or postal districts are divided between different local government areas. The area is expressed as a four-digit code originally designed for punched-card machine tabulation but now used within the computer to generate an expanded code which is convenient for computer processing.

No attempt is made to code for area the addresses recorded in marriage entries, because they are simply the addresses of the parties immediately before marriage, which may or may not be their ordinary residences. Analysis by area is thus limited to the place in which the marriage is solemnized; the figures for counties, county boroughs, regions, etc. for which statistics are published are readily derivable from those of the registration districts from which the archival copies referred to earlier are submitted.

Coding for cause of death. Under international agreement the United Kingdom, as a member country of the World Health Organization which subscribes to the Organization's Nomenclature Regulations, undertakes to publish mortality statistics analysed by cause according to the International Classification either in its full form (Detailed List) or in a shorter version (the Intermediate List). Deaths in England and Wales are coded to the Detailed List. In the Seventh Revision of the Classification, introduced in 1958, the Detailed List comprises some 600 categories of diseases and morbid conditions and, in addition, 153 categories for classification of the external cause of injury with 189 categories for the nature of the lesion. Each of these categories is denoted by a three-digit code in a decimal system of numbering. Many are sub-divided into fourth-digit categories, while for some diseases a fifth-digit sub-division has been found desirable. The Detailed List categories are assembled into shorter lists for some tabulations by area, e.g., the International Abbreviated List of 50 causes and the Registrar General's Abridged List of 36 causes with 34 sub-divisions.

Stillbirths are also coded for cause according to an international classification slightly modified and further sub-divided, giving about 100 sub-divisions altogether.

Cause of death coding is straightforward if only one precise, unambiguous term is used by the certifier, but often two or more morbid conditions are given. As mortality tabulation by cause is based, by tradition and under the Nomenclature Regulations, on the underlying cause of death, selection then becomes necessary (except where specific combinations of associated causes are defined). The underlying cause is defined as the disease or injury which initiated the train of morbid events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury. The sequence of morbid events should be shown chronologically by the certifier, but this cannot invariably be relied on. The Manual of the International Classification contains various rules for selecting the underlying cause where the sequence given is inherently improbable, or the conditions appear unrelated, or the underlying cause as stated is ill-defined, or in certain other circumstances. But coding experience and national practice also play a part in the application of these rules to individual cases, and cause of death coding thus involves training and expertise.

Coding for occupation and employment status. Important for medical and sociological purposes are analyses of vital events by occupation groups, socioeconomic groups and social classes. The criteria for assigning individuals to these groups and classes available from the details elicited at death registration are limited to the occupation, industry, and employment status of the deceased person (or of his parent if the person is under 15). At birth registration similar details are obtained relating to the child's father (or the mother if the father's name is not entered in the register). These occupational details are used to code events to one of some 200 occupation categories defined in the Classification of Occupations*, and one of eight status categories. Together these two codes provide a classification by socio-economic group and social class, as set out in Appendix B.1 of the Classification of Occupations.

As comparable population denominators are required for these analyses, coding of deaths for occupation and status is usually restricted to the years round the census, the most recent such period being 1959-1963. For similar analyses of infant deaths and stillbirths, however, the corresponding live births form a more accurate denominator, and consequently live births may also need to be coded for occupation and status. In the past, too, births have from time to time been thus coded to provide analyses of fertility by social class and occupation.

Miscellaneous coding. One of the items written by the registrar on the death and stillbirth forms is whether or not the cause of death has been confirmed by postmortem. In conjunction with the type of certification (i.e. by registered medical practitioner, by coroner, or uncertified by either) this is used, during the cause of death coding process, to form a one-digit code for use in certain tabulations. The coder also inserts, in appropriate cases, a further one-digit code denoting association of the assigned cause of death with certain other conditions, e.g. pregnancy, anaesthesia, alcoholism. Both codes enable various supplementary analyses to be made from the death records.

^{*} Institutions such as almshouses, boarding schools, children's homes, and prisons are treated as the usual residence of their inmates. Chronic sick hospitals and psychiatric hospitals are treated as a deceased person's usual residence if the deceased has been an inmate for more than six months.

Regulations regarding Nomenclature (including the compilation and publication of statistics) with respect to Diseases and Causes of Death. See Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Volume I. World Health Organization, Geneva 1957.

^{*} General Register Office: Classification of Occupations 1980. H.M.S.O. London, 1980, (out of print).

⁷ For example: The Registrar General's Decennial Supplement, England and Wales, 1931, Part IIB, Occupational Fertility 1931 and 1939. H.M.S.O. London, 1953.

During the area coding process another one-digit code is added to denote the "place of occurrence" of the birth or death, e.g. in a National Health Service hospital, a non-N.H.S. hospital or maternity home, the mother's own home, etc. The same code is used for live births, stillbirths and deaths. Also during the area coding process the forms relating to illegitimate births and stillbirths are given a distinctive symbol to aid in the punching.

Transferable events. An important facet of the area coding procedure is the notification to local medical officers of health of particulars of deaths which occur outside their area but which for statistical purposes are assigned to that area. These are known as inwardly transferable deaths or inward transfers and they amount to nearly 30 per cent of the total deaths. The relevant forms are distinctively marked, and reference particulars are noted, during the area coding process. The medical officer is enabled by statute to obtain from the registrar or registrars concerned particulars of deaths which occur in his district, and the centrally supplied particulars of inward transfers complete his local records. Reference particulars of the same transfers are correspondingly notified to the medical officer from whose district the deaths are statistically removed (outward transfers). This arrangement enables any erroneous assignments of area code to be corrected at an early stage.

A similar system exists for notifying medical officers of transferable still-births, but it has not been found generally necessary to deal with live births in this way.

Punching. As stated earlier, one statistical form for each event serves for all the non-mechanical processes. When all the codes described above have been entered on the forms and checked, the forms pass in their monthly bundles to a punching section. The punch operator's task is to convert the information into the form of holes in a machine card, each section or field of which represents a particular item of data. Some items remain constant for a batch of forms, e.g. the year and month of registration, and the registration district and sub-district numbers. and can be punched automatically for that batch from an initial punching into a "leader card". The latter is also punched with the total number of entries for the sub-district, as counted and checked when the entries are first received. This total serves as a control figure for later stages. Other items are either in numerical form already, e.g. ages, or in the case of multiple births reference particulars of the other births, or are readily converted to numerical form at sight by the puncher, e.g. the month of occurrence of the birth or death, the sex and legitimacy of a child, the marital condition of a deceased person, etc., while the remainder will bear against them the codes assigned by the coders.

In the case of marriages, for which no prior coding will have been done, the operator first punches into a "leader card" the items which remain constant for a particular registration district, including the year, the quarter, and the district number. These items are then automatically punched into all the data cards for that district. The leader card is also punched with the control total of marriages in that district. The operator then punches the other items either at sight, e.g. the ages of the parties, or after mentally coding them, e.g. the previous marital conditions of the parties in combination, the religious denomination of the ceremony, or whether it is a civil marriage in a register office, and the nature of the marriage preliminaries (banns, superintendent registrar's certificate or licence, etc.). As these items occupy only nine columns of the card, there is space for eight marriages in the same district on one eighty-column card. Cards of this capacity are used for all types of punching.

To minimise errors due to mis-reading or mis-punching by the operator, each record is punched a second time by a different operator on a verifying machine using the same cards. On this machine if the second operator attempts to punch in any card position a different code from the one already punched (which she cannot see), the machine halts. If a second and a third attempt by the operator still yield a discrepancy, the offending card is distinctively marked by the machine. When the batch is finished, all such cards are replaced by corrected cards.

Transfer to automatic data processing. Up to 1962 the bulk of the vital statistics published by the Department had been produced (since 1911) through a punched card installation, for which cards were produced on broadly similar principles to those described above. This installation had developed over the years from simple sorters and counters, using 36- or 45- column cards, to printing-counting-sorters, using 65-column cards. In general the tabulations printed out by these machines were used to produce by clerical methods tables in the form required for printing by letterpress or other means for publication purposes. As the arithmetical abilities of the punched card machines were confined to addition, much computation by desk calculating machine, slide rule, etc. for the calculation of rates and ratios was included in the clerical stage of production.

The limitations of conventional punched card methods had begun to make themselves felt in the late 'fifties, when in any case the time had come to think about the renewal of the existing machinery at the end of its useful life. A comprehensive review of all the Department's statistical work was accordingly carried out in 1959-1960 in order that the feasibility of translating it to automatic data processing could be considered. A decision was made in the following year to obtain a computer which would be capable of undertaking both the statistical work and also the compilation of the quarterly alphabetical indexes to the births, deaths and marriages, a task which was being carried out mainly by manual methods. This computer, an IBM 1401 model with 16 thousand positions of core storage, six magnetic tape units, a card read/punch unit, and an output printer, was ordered towards the end of 1961, and actual operations began on the machine at the middle of 1963.

Computer processing. The annual input of statistical data for births, deaths and marriages amounts to some 1.8 million records. To deal with this quantity, and to provide necessary tabulations at quarterly or monthly intervals, the general pattern of computer processing is to create from the punched cards files on magnetic tape of the records for a convenient period, and accumulate the year's files as the data for each period become available. For births and deaths the chosen period is a calendar month's registrations, and for marriages a calendar quarter's registrations.

Taking births as an example for the purpose of describing the computer processes in general terms, a month's punched cards, numbering between 65 and 80 thousand according to the particular month, are loaded into the computer, via the card reader, together with the first programmes of instructions. In the initial processes extensive checking takes place in order to detect, as far as possible, by comparison with criteria in the instructions, any record which appears to contain erroneous or internally inconsistent information. In addition, the numbers of records are checked against the control figures, records for multiple births are matched with one another, and any items of information shown by the registrar as "not stated" or "not known" are supplied by the computer as described in Explanatory Note 12 of Part II.

Records which pass all the tests successfully are written on to magnetic tape (in a code known as binary coded decimal), while unacceptable records are printed out for

reference back to the source document. Any necessary corrections are later fed back to the main magnetic tape files by means of fresh punched cards.

In order to speed up and simplify later operations the tape files of basic records thus corrected are then processed within the computer to produce two distinct further tape files of primary records arranged in order of (a) area of residence, (b) age of mother. These files are used in two ways: their contents are merged with the records of earlier months so that at the end of the year there will be two complete files in area and age order; and the figures they represent are added in to summary tabulations for each area and each age, so that a year's summary tabulations are accumulated month by month. Arrangements are made to alter records and tabulations on tape when changes or corrections arise outside the computer system.

The summary tabulations for each area and each age are so designed that most of the annual and quarterly tables can be compiled from them without the need for repeated processing of the large primary files. Where a set of tables refers to a particular category of records, e.g. stillbirths, a sub-file of records is extracted from one of the main primary files and used to provide the necessary tables in an economical manner.

All the records and summary tabulation files for the year are kept permanently on tape for future reference and tabulation.

Local vital statistics. An early stage of the annual tabulations is to provide an analysis of deaths by the 36 causes of the Registrar General's Abridged List in 22 sex-age groups for each of the 1,400 or so local government areas. This analysis is printed out by computer and sent to the local medical officers of health concerned for use in their annual reports. They thus have an opportunity to question any apparent discrepancy in the figures for their area in comparison with locally compiled figures. Subject to the limitations imposed by the processing timetable, errors pin-pointed through this means can be corrected before further annual tabulations are produced. Local medical officers of health are also supplied with annual live birth, stillbirth, and infant death figures by sex and legitimacy, printed out by computer from the magnetic tape files.

Other vital statistics. For marriages there is a similar, but simpler, process of feeding into the computer and editing data each quarter, and building up the year's file of marriage records, from which Tables F-N in Part II of the Statistical Review are compiled. Certain data are also tabulated each half-year for the purpose of making estimates at mid-year of the population by marital condition.

Corresponding figures of dissolutions and annulments of marriage are produced by computer from data extracted, and later punched, from the records of the central Divorce Registry, but in this case, because of the numbers involved, it is sufficient to create half-yearly tape files and later combine them to yield the tabulations published as Tables P1-P7 in Part II.

Production of the Statistical Review Tables Volumes. The computer's printing unit produces tabulations which are entirely suitable for some purposes but not, it is thought, adequate in variety of type face or case, or in quality of print, for direct photo-litho reproduction for publication purposes. Many of the tabulations in the 1963 Tables Volumes have, accordingly, been produced on a system of card-controlled typewriters which is auxiliary to the computer. Data to be printed are supplied to the system's control unit in the form of punched cards produced by the

computer, which simultaneously produces a printed copy. The typewriter outputs in roman, italic and bold styles are combined by a manual operation into a master copy which can be sent to the printer. For certain serial tables and others, the intervention of the computer is unnecessary. They are produced either by punching cards for direct insertion into the typewriter system or by direct typing on a compatible typewriter used independently.

Other statistical returns. The foregoing description deals with the main flow of data on births, marriages and deaths from which most of the tabulations appearing in the three volumes of the Statistical Review are produced, either directly through the computer system and its auxiliary machines or indirectly after some clerical compilation. It does not deal with those tabulations which derive from sources outside the registration service, e.g. notifications of infectious diseases, returns of which are provided by medical officers of health, or parliamentary and local government electors, returns of which are provided by local electoral registration officers and clerks to local authorities. Nor does it deal with the production of estimates of population which appear in the Statistical Review and which are of course used in the compilation of the rate tables.

But mention should be made of the separate flow of vital statistics data from registrars of births and deaths in the form of weekly numerical returns. These provide some of the early figures published in the Weekly and Quarterly Returns. As publication of the Weekly Return normally takes place on the Saturday following the week to which the Return relates, these figures are of registrations only, uncorrected for transferability or the results of medical enquiries, etc., and they are therefore provisional. For the purpose of producing an early quarterly figure for England and Wales these weekly figures are accumulated in running totals. The figures appearing in Table III of the Weekly Return (deaths in London classified by cause and age) and Table VI of the Quarterly Return (deaths in England and Wales by cause and sex in each quarter) are, however, derived from the particulars of individual deaths and not from the registrars' weekly statistical returns.

Changes in statistical methods

The timetable for converting from punched-card methods to computer methods for the production of the Statistical Review and related tabulations was determined by several factors, notably the availability of staff and accommodation at a new location, the training of this staff in statistical coding and punching, and the desire to cause least disturbance to the processing, the efficacy of which depends very much on a regular flow of material into and out of the statistical sections. It was decided that for the most part the tabulations for 1963 would be produced on the same lines as before, consideration of any radical alterations made possible by the new system, or thought desirable for other reasons, being deferred until a comprehensive systems analysis could be carried out. The possibility of unforeseen difficulties in any radically changed methods was also a cogent factor, and in the result has been seen to justify the decision.

At the same time, certain changes in processing methods were adopted or were indeed almost implicit in the use of a computer. (For this reason the data for the first quarter of 1963 were compiled both by the punched-card installation and by the computer, and a close comparison was made between the results. This also served as a further check on the computer programming.) It may be useful to

describe the main changes a little more fully, with particular reference to the effect on the quality of the resulting statistics.

In the first place a much more detailed and sophisticated checking of characteristics in records in relation to each other became possible. Each record is examined individually by the computer and a number of tests are applied right at the start of processing. Previously, checking could not be done in such detail and mostly took the form of visual searching for inconsistencies in a completed tabulation. Certain errors might not have been detected until late in processing and would have entailed correction to tables produced earlier. Secondly, assignment of specific values to "not stated" items in individual records, as referred to earlier, replaces the former method of "rateable distribution", i.e. distributing the numbers of such cases over tabular cells in proportion to the numbers in these cells. This method involved much cross checking from table to table to avoid inconsistencies.

Another difference brought about by the new facilities is that to some extent computer processing means that more of the work can be spread out through the year. As mentioned, certain jobs such as sorting, filing and summary tabulation are now done throughout the twelve month period in contrast to the older methods in which punched cards were accumulated until the end of the year with little processing apart from some checking and intermediate counts. The punched cards had then to be used in a series of sorting and counting processes to produce all the counts necessary for the annual tables.

Advantage has been taken of the performance of the computer in its most widely recognised role of a high speed calculating machine to introduce new work with the emphasis on arithmetical calculation rather than on filing, counting and printing. Such work includes the surveillance of congenital malformations and infectious diseases for which rates, standardised ratios and deviations from the average are calculated for each condition in each county and county borough. As well as indicating the areas and conditions with significantly high rates by means of calculations of the deviations, the computer can sort them to order according to the size of the deviation, and print out results only where the deviations exceed pre-determined values, thus saving scrutiny of all the results. The relatively large amount of calculation combined with the need for quick results means that this type of job is essentially one for the computer and could not have been done by earlier methods.

MARITAL CONDITION ESTIMATES

Estimates of the total population of England and Wales classified by sex, age and marital condition are available for each year from 1931. Since 1948 this classified estimate has been included in Part II of the Registrar General's Statistical Review where it at present appears as Table A3. Earlier estimates are included in the Text (Commentary) Volumes for 1938-1939, 1940-1945 and 1946-1950.

The first part of this present note describes how the marital condition estimates are prepared each year, using the mid-1963 estimate as an example, with an indication of where the information is not as full as is desirable and the methods used to overcome these deficiencies. The later part of the note describes the results of the comparison which was made between the mid-1961 marital condition estimate and the distribution of the enumerated 1961 Census population by sex, age and marital condition.

Methods used in marital condition estimate

At present Table A3 is published by five year age-groups up to 70-74 and then 75 and over for each marital condition (i.e. single, married, widowed, divorced). Estimates of the population according to whether they were married, widowed or single are available for the years 1931* to 1960. In these estimates the divorced were included among the widowed. After the 1951 Census separate estimates were made for the divorced but these were not published separately, being included in a combined widowed and divorced group. With the increasing interest in data for the divorced it was decided to publish separate figures for this group and this has been done since 1961. The separate identification of the divorced led to some revision of the methods hitherto used, which were too crude to permit the identification of this small group with sufficient accuracy. Even now the numbers in this condition are small, as are the widowed at younger ages, and the relative accuracy of these estimates is less than for more numerous groups. Annual changes in the numbers in these groups or in rates which are based on them should always be regarded with caution.

Essentially the marital condition estimate, like the other population estimates prepared by the Registrar General, is based originally on census results. Although census figures may have to be adjusted for mis-statement in the light of information obtained from other sources, without the census it would be impossible to make these estimates. The process of making an annual estimate is only a series of adjustments for the events which have taken place during the preceding twelve month period.

The annual estimate is made with reference to the middle of each year, for example 30th June 1963. This provides an appropriate denominator for calculating calendar year rates. An alternative method of achieving a similar result would be to calculate the estimate of the population for the 31st December and use an average of two successive end-year estimates as the denominator. In some ways an end-

^{*}Estimates of married and non-married women for the years 1912 to 1930 are published in Table 1 of the Appendix to the 1938-39 Text Volume.

year estimate is easier to produce because special mid-year to mid-year tabulations are not needed but on the other hand the mid-year estimate is available sooner.

In the following sections on the elements in the mid-year estimate it is assumed that the previous estimate (or census figures adjusted to mid-year) is available and it is necessary simply to move this on for a further twelve months. Unless otherwise stated all data are available in single years of age and all calculations are made on a single year of age basis. It must be emphasised that the single year figures may be less reliable than the five-year figures. The estimate for mid-1963 is used as an illustrative example.

Ageing

Given the estimate for mid-1962, the first step was to make everyone a year older and introduce the 14 year olds from the mid-1962 sex and age estimate to form the 15 year olds in the mid-1963 estimate. At this step no mortality is assumed. In practice, as the whole estimate is adjusted by adding or subtracting a set of differences to or from the previous year's estimate, the difference between, for example, the current year's 15 year olds and those of the previous year is added to or subtracted from the previous year's number as indicated in the 'Net age transfer' section of Table C1. This table reproduces a section of the summary working sheet for the mid-1963 estimate.

New marriages

Those married between mid-1962 and mid-1963 were then added to the married population and subtracted from the other marital conditions as appropriate. Information is available in a similar form to that appearing in Table G of Part II of the Statistical Review but for the two half years 1st July to 31st December 1962 and 1st January to 30th June 1963. However, the marriages are classified according to the age of parties at the time of the marriage. It was necessary to estimate their age at 30th June 1963 and this estimate is made by mathematical interpolation with different coefficients being applied to the marriages in the two half years*.

This method is applied to first marriages under the age of 50, i.e. where the person concerned was a bachelor or a spinster before they married, and to remarriages of widowed or divorced persons. The exception to this procedure was for first marriages of people aged 50 or over. For this group where the number of marriages is falling only slowly with advancing age, marriages at age x in the first half of 1963 plus the marriages at age (x-1) in the second half of 1962 were taken as the estimate during the period of people aged x at 30th June 1963. There is a further adjustment to remarriages of divorced persons. As discussed below in the

*For ageing marriages the following set of coefficients are applied, where x is the age to be transferred:

Age	Marriages in second half of 1962 -0.0469 +0.7604	Marriages in first half of 1963
x - 1 x		↔0.0365 +0.2396
x + 1	+0.0365	+0.0489

*For future estimates coefficients will be used throughout.

Table C1. The elements in the marital condition estimate, extract from summary working sheet, mid-1963, England and Wales

Females

(Figures in thousands)

		Mid-1962 estimate					Net age transfer				Net migration gain or loss				New marriages			Widowhoods	Divorces	
Age	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced	Spinsters	Widows	Divorced		
	1	2	3	4	5	6	7	- 8	9	10	11	12	13	14	15	16	17	18	19	20
14 15 16 17 18 19	382.94 426.07 326.23 322.34 329.83 322.31	382.94 426.07 323.86 309.33 296.02 254.05	2.37 13.00 33.78	0.03		-43.13 +99.84 +3.89 -7.49 +7.52	+102.21 +14.53 +13.31		-0.01	=	+0.20 +0.25 +1.30	+0.20 +0.20 +0.24 +1.20 +1.31	+0.00 +0.01 +0.10 +0.19		:	2.84 10.14 22.05 36.24	0.01	-	0.01 0.02 0.04	0.01
20 21 22 23 24	298.95 278.09 291.22 298.09 298.41	195.14 137.31 107.64 85.89 68.60	140.43 182.80 211.03	0.14 0.20 0.27	0.21	+23.36 +20.86 -13.13 -6.87 -0.32	+57.83 +29.67 +21.75	-35.51 5 -36.71 7 -42.37 5 -28.23 9 -17.32	-0.07 -0.06 -0.07		+1.50 +1.40 +1.30	+1.26 +1.06 +0.89 +0.73 +0.66	+0.34 +0.44 +0.51 +0.57 +0.64	+0.00	+0.00 +0.00 +0.00	43.70 43.42 36.19 26.42 19.59	0.01 0.02 0.03 0.06 0.08	0.01 0.05 0.18 0.38 0.60	0.07 0.08 0.11 0.14 0.14	0.04 0.18 0.40 0.74 1.07

	100 m		Death	ıs			Net movem	ment mid-196	32 to mid-1	963	Mid-1963 estimate			Mid-1963 estimate 5 year age-groups rounde 1 decimal place					ounded to	
Age	Total	Single	Married	Widowed	Divorced	Total (6)+(11) -(21)	Single (7)+(12) -(16) -(22)	Married (8)+(13) +(16)+(17) +(18)-(19) -(20)-(23)	Widowed (9)+(14) -(17)+(19) -(24)	Divorced (10)+(15) -(18)+(20) -(25)	Total (1)+(26)	Single (2)+(27)					Single	Married	Widowed	Divorced
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
14 15 16 17 18 19	0.11 0.13 0.11 0.12 0.13	0.11 0.13 0.11 0.11 0.12	0.01		-	-43.04 99.91 4.03 -6.31 8.89	-43.04 99.44 4.52 -7.65 6.92	0.47 -0.49 1.34 1.95	0.01	0.01	383.03 426.14 326.37 323.52 331.20 1,790.26	383.03 423.30 313.85 288.37 280.97	2.84 12.51 35.12 70.16	0.01 0.03 0.06 0.10	0.01	1,790.3	1,669.6	120.6	0.1	· -
20 21 22 23 24	0.13 0.15 0.12 0.14 0.13	0.11 0.07 0.07	0.03 0.04 0.05 0.07 0.07	11111		24.83 22.21 -11.85 -5.71 0.85	16.37 15.36 -5.70 -4.01 -1.70	-1.75	0.04 -0.01 0.02 0.01 -0.11	0.01 -0.08 -0.15 0.04 0.35	323.78 300.30 279.37 292.38 299.26	211.51 152.67 101.94 81.88 66.90	112.13 147.35 176.78 209.28	0.11 0.13 0.22 0.28 0.33	0.03 0.15 0.43 0.94 1.37	1,495.1	614.9	876-2	1.1	2.9

Note: The estimates from which these extracts have been taken are being revised.

section dealing with the comparison with the 1961 Census results, there is reason to suspect that some divorced persons who remarry incorrectly describe themselves as single. To allow for this the stated numbers of divorced men who remarry is increased by 9 per cent and of divorced women by 6 per cent. This adjustment is balanced by a similar reduction in the number of first marriages.

Divorces

Those divorced between mid-1962 and mid-1963 were subtracted from the married population and added to the divorced. Their age at 30th June 1963 was estimated in the same way as that used for marriages, the same coefficients being used. Since 1962 divorces have been tabulated by the age of each party in single years, this was formerly available only in five-year age-groups.

Widowhoods

Table SS(a) in Part II of the Statistical Review gives the cross classification of deaths of married men by age and the ages of their widows. Similar figures were obtained for each quarter and these were added to give the numbers in the relevant mid-year to mid-year period, for five year age-groups only. These five-year figures were sub-divided into single years of age by using a distribution of widows by single years of age from a mid-year to mid-year version of Table SS(b). This distribution then had to be aged to give the ages as at 30th June 1963. This was done in a manner similar to that used for marriages and divorces.

Exactly the same procedure applied for obtaining the estimate of the number of widowerhoods between mid-1962 and mid-1963 and their age distribution.

Deaths

Deaths were available by age and marital condition for each quarter separately. These were adjusted to convert to age at 30th June 1963 by taking the deaths at age x in the first half of 1963 plus the deaths at age (x-1) in the second half of 1962 as an estimate of the deaths between mid-1962 and mid-1963 of people who would have been aged x at 30th June 1963 had they survived (the same method as was used for first marriages at ages over 50). These estimates were made separately for each marital condition.

Migration

Little is known about the personal characteristics of immigrants and emigrants and only very recently has some partial information on their age and marital condition become available from the Central Office of Information International Passenger Survey. Until this information became available the marital condition of migrants from outside the United Kingdom was estimated by using 'standard migration rates' which had been derived from estimates of gross migration in the 1948-1951 period derived from the National Registration system which ended in 1952. These 'standard migration rates' gave the proportion of sex, age, marital condition groups of the population who emigrated and immigrated. The figures thus obtained were adjusted to agree with controls for age-groups estimated in the course of producing the

annual estimate by sex and age. These controls were derived separately for immigrants and emigrants. An estimate of the marital condition of migrants from other parts of the United Kingdom was obtained by dividing the figures for net movement to or from the rest of the United Kingdom in the same proportions as the marital condition estimate of the previous year. For the mid-1963 estimate when only net figures of all migration were derived in working the estimate by sex and age an arbitrary assignment was made to marital condition.

For the mid-1964 estimate (and in the revisions of the 1961 and later estimates in the light of the 1961 Census results) the marital condition of migrants to and from places outside the United Kingdom will be based on the information obtained in the International Passenger Survey.

Aggregation of the elements

Once the different elements had been estimated, the marital condition estimate for mid-1963 was obtained by applying them as changes to the mid-1962 estimate. A section of the final summary sheet where this was done is shown in Table Cl. As already noted the section headed 'Net age transfer' ages the mid-1962 estimate by one year. To this aged population was added the gain or loss by migration between mid-1962 and mid-1963. The numbers appearing in the 'New marriages' section were added to the married and subtracted from the single, widowed or divorced as was appropriate. (The marital condition estimate makes no attempt to divide the married into those in their first marriage and those who are remarried.) The numbers appearing in the 'Widowhoods' and 'Divorces' sections are added to the widowed and divorced respectively and subtracted from the married while the 'Deaths' are subtracted from their respective marital conditions. The section 'Net movement mid-1962/63' brings all the adjustments specified together into one figure which is added to or subtracted from the mid-1962 estimate to produce the mid-1963 estimate. As the figures for age transfers, migration and deaths for all marital conditions combined agree with those appearing in the relevant working sheets for the sex and age estimate the two estimates must be consistent.

Comparison with the 1961 Census and subsequent adjustments

The mid-1961 estimate was basically obtained by moving on in the way described from mid-1960 but the preliminary census figures for males and females were taken into account when making this estimate. A classification of the census figures by age or marital condition was not then available. When the final results from the 1961 Census became available a comparison was made between a proportional distribution derived from these figures and one based on the mid-1961 marital condition estimate.

Some of the differences which were found were due to the difference between census date (23rd April) and mid-year (30th June). Despite this several general discrepancies were apparent from this simple comparison of which Table C2 shows the results.

Table C2. Proportional differences per ten thousand between the mid-1961 estimated population and the 1961 Census enumerated population, by sex, age and marital condition, England and Wales

Note: These figures show mid-year estimate proportion minus census proportion

	M	ales	OST SORE	Age		F	emales	
Single	Married.	Widowed	Divorced		Single	Married	Widowed	Divorced
-40	20	4	16	15 and over	-69	62	-6	13
- 2	-2 -3 -4 -14 -2	=		15 16 17 18 19	- 9	-9	-	=
3	-3		-3000	17	7	-7	- 1	-
2 3 4 14 2	-4 -14	or I had I have be	2	18	9 7 - 7 2	-9 -7 1 -7 -2	-1	
	-2	(i) (i) (i)			2		NEST-	
20 58 -18 13 -37 11	-20 -59	-	- 1	20 21 22 23 24 20–24	-63 -88	59 81 105 104 109 107		4 7
-18	16		2	22	-111	105	-3	9
-37 11	-20 -59 16 -12 39 -10	1	- 1 2 -1 -3 -1	24 20–24	-63 -88 -111 -105 -100 -109	109	- -3 -2 -1	4 7 9 1 -7 3
-78 -90	72 83	-1 -1 1	2 7 12 17 19	26	-124 -185	136 175	-2 -5 -6 -6 -11 -6	-10 -5
-135	117	1	17	28	-181 -171	165	-6 -6	12
-773 -90 -160 -135 -47 -104	72 83 149 117 28 92	-bra-	19	25 26 27 28 29 25–29	-124 -165 -181 -171 -188 -168	136 175 184 165 179 169	-11 -6	-10 -6 3 12 20 5
	108	-1	17	30			-25	13
-86 -220	108 63 200 230 268 177	-1 2 3 3	17 21 17 20 22 20	31 32	-177 -187	192	-29	13 14 16 17 19
-253	230	3	20	33	-150	169	-36	17
-124 -86 -220 -253 291 -199	177	2	20	30 31 32 33 34 30–34	-248 -177 -167 -150 -163 -181	260 192 184 169 181 197	-25 -29 -33 -36 -37 -32	16
-248 -203 -158 -140 -61 -161	226 181 140 123 41 141	1	21	35 36 37 38 39 35–39	-136 -97 -81 -72 -62 -89	154 114 100 92 80 107	-32	14
-158	140	-2	20	37	-81	100	-34	15
-140 -61	123 41	1 -2 -2 -2 -2 -1	21 21 20 19 22 21	38	-72 -62	92 80	-32 -33 -34 -30 -28 -31	14 16 15 10 8
-161		-1	21			107	-31	13
-46 63	25 -94	-2 4	23 27	40 41	-84 -35	98 40	-23 -12	9 7
-9	-13 -8	1 2	21 26	42	-81 -114	82	-5 -8	4
-46 63 -9 -20	25 -94 -13 -8 -30 -25	-2 4 1 2 2 2	23 27 21 26 28 28	40 41 42 43 44 40	-84 -35 -81 -114 -123 -85	98 40 82 110 113 86	-23 -12 -5 -8 -1	9 7 4 12 11 8
-37		-2	32					14
-21 -32	-9 -3	-4 -5	34	46	-24	57	-45 -37	12
-83	7 -9 -3 59 77 27	-2 -4 -5 -11 -9 -6	32 34 40 35 25 33	48	17	12	-43	14 12 11 14 20 14
-37 -21 -32 -83 -93 -54	27	-6	33	45 46 47 48 49 45	-96 -24 8 17 28 -11	115 57 18 12 -3 37	-33 -45 -37 -43 -45 - 40	14
-147 -80 -68 -24 -28 -70	139	- 5	13	50 51 52 53 54 50–54	25	17	-58	16
-80 - 6 8	58 41	12	15 15	51 52	51 47	-13 -1	-66 -75	28 29
-24 -28	139 58 41 -7 -21 42	-5 7 12 16 27 12	13 15 15 15 22 16	53	25 51 47 18 -12 27	17 -13 -1 38 47 14	-58 -66 -75 -91 -73 -70	16 28 29 35 38 29
-70	42	12	16	50-54	27	14	-70	29
8 2 31 -15 -86 -11	-52 -44	22	22	55 56 57 58 59 55-59	-41 -87	-7	12	36
31	-90	29	30	57	-64	4	41	19
-86 -11	-52 -44 -90 -38 -31 -41	22 16 29 19 20 22	22 26 30 34 35 30	59 55-50	-41 -63 -64 -41 -59	-7 4 4 -1 38 5	12 23 41 22 11 24	36 36 19 20 10 24
					-0)		24	24
-140 -54 -51 -82 -76 -85	140 59 68 95 64 84	-27 -25 -32 -24 -14	27 20 15 11 8	60 61	-32 -32 -63 -58 -25 -41	99 105	-77 -82	10 9 10 15 8
-82	95	-02 -24	15	62 63	-63 -58	118 95	-65 -52	10 15
-76 -85	64 84	-14	15	60 61 62 63 64 60-64	-25 -41	99 105 118 95 86 90	-77 -82 -85 -52 -69 - 60	11
-81	34 -47	39	8		-3	17	-25	11
-34 -24	-47 -72	74 89	7 7 7 15 9	65 66 67 68 69	5	-23 -37	5	13
-30	-78 -49	101	7	68	-49	-102	135	18
-81 -34 -24 -30 -22 -39	-72 -78 -49 - 42	39 74 89 101 56 72	9	65-69	-3 5 -34 -49 -59 -27	17 -23 -37 -102 -136 -58	5 57 135 178 71	13 14 16 17 14
- 50	72 10F	-42 -107	20	70	-70	3	48	19
-28	173	-42 -107 -172	25	72	-88 -65	-28 21	97 23	19 21
-50 -19 -26 -39 -22 -32	72 105 173 233 315	-222 -320	20 21 25 28 27	70 71 72 73 74 70–74	-70 -88 -85 -73 -78 -75	3 -28 21 62 119 33	48 97 23 -6 -60 23	19 19 21 17 19
-32	170	-162	24	70-74	-75	33	23	19
97	-238	131	10	75 and over	-61	-19	68	12

Married and single

Firstly, there was in general a larger proportion married and a smaller proportion single in the mid-1961 estimate than in the census count. This applied particularly to men aged 25-39 and women aged 20-44. At some individual ages both sexes showed differences of 20 per cent or more. Because of the larger numbers of married people in the ages concerned the proportional effect of the error in the married was much less, about 3 per cent. This difference seemed likely to have risen from the incorrect assignment of migrants to the different marital condition groups during the intercensal period, particularly in the later part of the period when migration was relatively high. This is discussed further below.

Divorced

Secondly, there was a larger proportion of divorced in the mid-1961 estimate than in the census count. This applied to both men and women. For men the difference was about 30 per cent at ages 27 to 31, falling irregularly to the 50-54 agegroup and then increasing to reach 40-50 per cent in the 70-74 age-group. The proportional errors for women were less, being about 15 per cent at ages 30 to 34, falling to about 5 per cent at ages 39 and 40 and thereafter tending to rise with increasing age to about 30 per cent at ages 70-74. As will be shown later (see page 24) there are grounds for regarding the estimate figures as more reliable than the census figures in this instance, though a contributory factor is that the correction for understatement of divorced condition at re-marriage used since 1951 is now believed to have been too small.

Widowed

The third main discrepancy was in the proportion widowed. The differences were trivial for men under age 45 and for older men showed a peculiar pattern of alternating excesses and deficiencies in age-groups. Between ages 55 and 64 the differences ranged between 3 and 7 per cent of the estimate figures but were slightly higher at older ages. For women aged over 55 the pattern of excesses and deficiencies was similar but less marked to that found for men but for women aged 25-39 there were some large differences. In the 30-34 age-group the numbers enumerated as widowed in the census were more than double the numbers appearing in the mid-1961 estimate. There is little factual evidence to throw light on these differences but it seems plausible that the estimate figures were more reliable than the census figures. There may well have been a tendency for single and divorced women enumerated with (illegitimate) children to be returned in the census as widowed. There was no evidence to support this hypothesis from the postenumeration survey held after the 1961 Census but such a deliberate type of error would be unlikely to be revealed in such a survey where the approach was a reinterview of the respondents.

Understatement of divorce

A summary of the components which produced the mid-1961 estimate of the divorced population were as follows:

Component	Males	Females
Estimated number of divorced persons at 1951 Census (adjusted for understatement)	87	139
Divorces 1951-1961	+269	+269
Remarriages of divorced persons (registrations)	~206	~ 197
Deaths of divorced persons (registrations)	→1 3	-10
Estimated net gain from migration	+1	+1
Divorced as projected to 1961 Census	138	202
Divorced as enumerated at 1961 Census	94	170
Divorced as projected after allowing for understatement of deaths	132	196

It seems that there is a considerable understatement of divorced marital condition at death registration. A comparison of the death rates for divorced persons with those for single and widowed persons of the same age indicated that there might be about 45 per cent understatement for men and about 60 per cent for women. These percentages are based on no more than an assumption that the age-death rates for the non-married groups (single, widowed and divorced) are likely to be similar and the figures quoted can be little more than an estimate of their order of magnitude. Application of these corrections gives a revised estimate of intercensal deaths of 18 thousand divorced men and 16.5 thousand divorced women. These changes make only a small contribution to the discrepancy as is to be expected with the young age structure of the divorced population. The revised number of divorced as projected to 1961 Census is 132 thousand men and 196 thousand women.

Because migration of divorced people is almost certainly a very small factor the remaining understatement of divorced condition seems likely to arise from two main sources. These are understatement at remarriage and understatement at the census. The discrepancies found could have arisen from any combination of understatement ranging from 39 per cent for men and 15 per cent for women at the census with no mis-statement at remarriage, which represent one extreme, to 18 per cent understatement for men and 12 per cent for women at remarriage and a negligible amount at census. Which combination is assumed must be largely a matter of judgement. There is likely to be much more incentive to supply false information at remarriage than at the census where there is little at stake; on the other hand it is easier to succeed in giving false information at the census. The balance would seem to lie in favour of a conclusion that the probability of understatement at the census is much higher than at remarriage, and this has been assumed for future marital condition estimates based on the 1961 Census.

Examination of the discrepancies at different ages indicated that the amount of understatement was higher for men and women under age 25 and lower for women in the 25-44 age-group. It has been assumed that for men under age 25 the misstatement at census was 40 per cent (and hence 20 per cent at remarriage), that for women under age 25 it was 20 per cent at census (10 per cent at remarriage) and for women aged 25-44 it was 5 per cent at the census ($2\frac{1}{2}$ per cent at remarriage).

Marital condition of migrants*

The main difference between the 1961 Census results and the mid-1961 marital condition estimate which remains to be discussed is the excess of married men and women in the estimate compared with the census count. This excess appears to be at the expense of the single and to be independent of the understatement of the divorced already discussed. The source of such errors is almost certainly the migration element in the marital condition estimate.

Migration has been the weakest element in the marital condition estimates because of the almost complete lack of data. The marital condition of migrants has been estimated by the use of standard migration rates as already described. It had been clear for some time that these rates were becoming unsuitable for use in the marital condition estimate when worked to single years of age and with migration playing a much more important part than in the early 1950s. The lack of data has prevented any realistic revision of these rates up to the present. The information now being obtained from the International Passenger Survey provides at least a broad classification by sex, age and marital condition. Information to supplement this will be available from the 10 per cent sample information obtained at the 1961 Census on the characteristics of migrants in the year before census date. This last source suffers from the drawback that the information is restricted to immigrants into England and Wales in the year, no information being obtainable from this source on people who have left the country in the year before census date.

Some experiments were made in re-estimating the marital condition of migrants since 1951 assuming that for each year of this period they had the proportional marital condition distribution of the 1963-1964 period derived from returns of the International Passenger Survey. It was assumed that the numbers of migrants of a given age remained unchanged, only their marital condition being revised. This exercise was carried out for men aged 28 and 39 in 1961 and women aged 27 and 29 in 1961. (The experiment could be carried out only for the younger ages for which estimates by single years of age had been made throughout the period.) The results are shown overleaf and do not show a completely consistent pattern:

^{*}For fuller discussion of migration see page 28.

	Co	ondition as esti	s original mated	ly	Condition as estimated using 1963-64 data					
Sex and age, as at 30th June 1961	Total	Single	Married	Widowed and divorced	Total	Single	Married	Widowed and divorced		
Males 28	17.6	11.8	5.7	0.1	17.6	11.9	5.6	0.1		
Males 39	-1.2	-1.2	0.0	0.0	-1.2	0.5	-1.3	-0.4		
Females 27	8.8	6.6	2.2	0.0	8.8	6.8	1.6	0.4		
Females 29	5.4	2.8	2.6	0.0	5.4	4.7	0.8	-0.1		

For men aged 39 the effect was to increase the single (and reduce the married) enough to eliminate almost the whole of the discrepancy between the census results and the mid-1961 estimate of single population. In contrast the difference for men of each status aged 28 in 1961 was negligible. For single women aged 27 there was a slight reduction in the discrepancy and for those aged 29 about half the discrepancy was removed by this adjustment. It may be as wrong to assume that the 1963-64 pattern obtained throughout the whole period as to assume the continuation of the pre-1952 pattern. Although the evidence is sparse it tends to support the hypothesis that the married-single differences are due to migration and that the census distribution should be accepted rather than that in the mid-1961 estimate.

Summary

This discussion has attempted to reconcile the results of the 1951 and 1961 Censuses with the available information on deaths, marriages and migration in the intervening period. Five sets of adjustments are needed to achieve the reconciliation:-

- A. Adjustments to intercensal registration and migration estimates to allow for:-
 - 1. An incorrect assignment of migrants between married and single.
 - 2. An assumed understatement of divorce at remarriage registration.
 - 3. An assumed understatement of divorce at death registration.
- B. Adjustments to census figures to allow for:-
 - 4. An assumed understatement at census of the number of divorced people.
 - 5. An assumed overstatement at census of the numbers of widows aged 25-39.

The two sets of adjustments to the census figures were used, together with the graduated census sex and age distributions*, to produce a final census revised 1961 marital condition estimate. Using this revised 1961 estimate as a basis the marital condition estimates for 1962 and 1963 have also been re-worked by the method already noted and will be published as an appendix to the 1964 edition of Part II of the Statistical Review. When available these should be used in preference to the unrevised versions which have already been published for 1961, 1962 and 1963. The 1964 and later marital condition estimates will be based on the 1961 Census.

^{*}For an explanation of 'graduated census population' see page 42.

MIGRATION

For well over a century prior to the nineteen-thirties and for the first decade after the second World War, England and Wales was cushioned against the full impact of the natural increase of her population by net outward migration. Between 1931 and 1946, however, this trend was reversed and since about 1955, the net flow has again been inward. Scotland and Northern Ireland, on the other hand, have throughout had a net outward balance of migration overseas (as well as sustained net loss of population to England and Wales). Consequently figures for the United Kingdom as a whole conceal the extent of the variations in England and Wales, just as the figures for England and Wales as a whole will conceal the full significance of net immigration in particular areas.

A comparison of annual net migration into and out of the total population of England and Wales with the corresponding net figure for the United Kingdom as a whole for the calendar years around 1963 will illustrate this point. In thousands, the figures are:

	England	and	Wales	United	Kingdom
1962	+	177		+	136
1963	+	55		+	10
1964	+	34		_	17*

Substantial immigration from outside what is now the United Kingdom is not, of course, a novelty for England and Wales. Apart from even earlier instances, there was in the nineteenth (and to a lesser extent the early twentieth) century, alongside massive emigration to the Commonwealth and the United States, a very significant intake of newcomers from Europe and from what is now the Republic of Ireland, as well as from the rest of the United Kingdom. The 1931-46 change from the traditional role of a net exporter of population to that of a net importer was in part due to the intake of refugees from the Continent, in part to a decline in emigration and a rise in the number of returning former emigrants in the earlier 'thirties and in part to the virtual cessation of emigration during the war years. After the War the traditional pattern was resumed to some extent until overseas Commonwealth immigrants, mainly from the West Indies, India and latterly especially from Pakistan, but also from Cyprus, Malta and elsewhere, came here in accelerating numbers. In spite of the operation of the Commonwealth Immigrants Act from 1st July 1962 and in spite of the stepping-up of the emigration of United Kingdomborn citizens from England and Wales, the net import of migrants into England and Wales has continued beyond 1963, alongside a high level of natural increase.

It would appear possible, at the time of writing, that for 1965 the net outward balance for the United Kingdom may be smaller and the net inward balance for England and Wales larger than in 1964. Even if this were not so, it would seem

desirable to point out that a nil balance of migration has no intrinsic merit, such as is implied by a balance of payments, balance of power or balance of nature. Any value judgment on the degree of net immigration or emigration to be regarded as satisfactory at any given time must depend on an amalgam of considerations external to the figure itself.

So far as a comparison of past compared with present experience and future expectation enters into this, it may be noted that the net effect of migration was to remove 2.1 million of the natural increase of the population of England and Wales between the 1871 Census and that of 1931. But between then and 1951 we retained our full natural increase of 3.3 million over the twenty years (averaging about 165 thousand a year) and added a further 758 thousand by migration. Although there was renewed net emigration in the period 1946-54, net immigration added 1.4 million to our full natural increase over the 32 years from 1931 to 1963.

The mid-year to mid-year estimates of migration into and out of the total population of England and Wales in recent years are set out in Table C3.

Table C3. Net migration into or out of the total population of England and Wales. (Estimated annual average mid-1951 to mid-1955 and mid-1955 to mid-1959; then annually from each mid-year to 1964)

(Figures in thousands)

	Net overseas migration	Net migration within United Kingdom	Total net migration
Annual average			***************************************
Mid-1951 to mid-1955	- 33	+ 17	- 16
Mid-1955 to mid-1959	+ 1	+ 21	+ 22
Year ending 30th June			
1960	+ 84	+ 24	+ 108
1961	+ 129	+ 29	+ 158
1962	+ 195	+ 30	+ 225
1963	+ 18	+ 32	+ 50
1964	+ 21	+ 31	+ 52

The impact of migration during the year ending 30th June 1963 on the sex and age structure of the total population of England and Wales was as follows:

^{*}Net outward balance

Table C4. Change in sex and age structure of the total population of England and Wales by migration, 1st July 1962 to 30th June 1963

(Figures in thousands)

Males	Age-group	Females
+ 1	0-14	+ 1
+ 11	15-24	+ 11
+ 16	25-34	+ 4
+ 7	35-44	- 2
+ 1	45-64	_
- 1	65 and over	-
+ 36	All ages	+ 14

Basis of migration estimates

In intercensal estimates of the three separate populations of England and Wales (defined in Explanatory Note 2 on page xy and referred to on page 39 of this volume), it is the total population of the preceding estimate which is first modified, by the natural change brought about by births, deaths and the passage of time and then by the movement of residents here away from this country and of former residents elsewhere into this country. This has the advantage over starting with the simple de facto (or home) population in not including deployment of our Armed Forces as migration. It is moreover in accordance with international convention to use this 'modified de facto' population when supplying population data (whether census or estimates) to the United Nations Population Commission. It is important to stress this conformity with international requirements because it has sometimes been suggested that we were exaggerating 'true' immigration "by international definition". This mistaken view may arise from the complementary convention that in studies of migrants the standard should be to regard as an immigrant a person who having resided elsewhere for at least the previous year is entering this country for one year's stay or longer and to regard as an emigrant a resident of this country for at least the past year who is moving elsewhere for a year or more. The regulations of many countries on long-term entry make this criterion simple to apply and we ourselves have no reason to doubt the outward figures based on enquiry (at departure) of intention. But neither aliens nor Commonwealth citizens coming here need to have any intention of remaining here for any specific length of time in order to be here perfectly legally a year later. Nevertheless, the method described below as available for the year 1964 and since has enabled us to analyse the data on intending migrants in such a way that the gap between intentions and performance in immigrants on alien and Commonwealth passports can be identified and made good.

In theory the migration element in the international conventional total could take account of any change in the relative visitors/absentees balance. But each census is taken at a date chosen to avoid seasonal complications; and though June 30 and December 31 - to which our intercensal estimates usually relate - are

in fact dates subject to abnormal seasonal movement, we are careful to treat them notionally, ignoring this peculiarity as far as possible, thereby making estimated figures comparable with census figures. So that in fact our estimates do take as the migration element actual (as opposed to intended) movement for a year or more as the criterion for inclusion.

Pre-1961 Census method

Before 1939 the count of intending migrants on the long sea routes and the very complete data on the entry and whereabouts of aliens gave enough information for estimating the number, sex, age, etc. of migrants from/to beyond the British Isles to/from England and Wales. From 1939 until 1952 the National Register was available for the estimation of both internal and external migration. Its abolition as a record of changed address and some later curtailment of information on the whereabouts of aliens, with a complete absence of information about migrants as such travelling by air or the short sea routes (save for inward data on admission of aliens) raised serious difficulties over migration estimation at a time when a change-over from net outward to net inward movement seemed likely to be occurring. Every scrap of available information was anxiously examined, subjective judgment was far too much involved for comfort, and the very rough check that the finally revised cumulative Passenger Balance provided was called into service to ensure that the cumulative migration estimates were not going ridiculously far astray.

The most rewarding approach, on the types of information available in varying degree for the different classes of migrant was to use the concept of net intake of aliens (aliens in minus aliens out), net intake of Commonwealth citizens (from data from the older Commonwealth countries and figures of movement on newer Commonwealth countries' passports which fortunately began to be available), net intake from traffic between the U.K. and Republic of Ireland, net intake into England and Wales from the rest of the United Kingdom, net emigration on U.K. passports (i.e. emigration offset by returning former emigrants, etc.). The success in fact achieved in estimating intercensal migration (so far as number of persons were concerned) was a result of co-operation between the General Register Office, the secretariat of the Oversea Migration Board, the Home Office and the London representatives of the older Commonwealth countries and of the Republic of Ireland. For intra-U.K. migration, statistics of change of doctor in the National Health Service were the guide.

This method of estimating by net intake or outflow has continued since the 1961 Census, when the success of the approach to each of these balances could be assessed. On sex and age various ad hoc surveys have also been of use. Since mid-1962 the full Commonwealth passport holders' figures derived as a by-product of the Commonwealth Immigrants Act have been available. But, as the migration figures quoted above show, the really significant intake of immigrants from the new Commonwealth countries was in the fifteen months after the 1961 Census and to some extent since then. The limitations of data confined to the long sea routes will be appreciated when it is pointed out that they could show a net outward balance of West Indian migrants by these routes for a period of significant net intake from this source. Until the 1966 Census we shall have no means of assessing the reliability of our post-1961 assumptions on the sex, age and marital condition of migrants before 1964.

In 1963, the final year before the abolition of the statutory enquiry on the long sea routes, data on the air routes and short sea routes from the International Passenger Survey, which had been building up since 1961, were available to supplement the long sea routes count and theoretically should have given adequate cover of intending migrants by all routes other than those between the United Kingdom and Republic of Ireland. The outward combined data did not conflict with what we learn from the main receiving countries. But the inward combined data were some 40 thousand short of the figure derived from the alternative sources we had used hitherto with confidence, after intercensal success.

In 1964 we had to rely entirely on the sample for the first time - for long sea and air routes and the short haul traffic. The difference between the sample figures of intending immigrants and our estimate of actual immigrants was only 12 thousand (compared with the 1963 shortfall of 40 thousand just mentioned). The outward figures again appeared satisfactory. The International Passenger Survey data showed the movement of intending migrants into and out of the United Kingdom during 1964 as follows:

(Figures in thousands)

See	Inward	Outward	Net migration
On foreign passports	67.5	40	+ 27.5
On U.K. passports	71.5	202	- 130.5
On passports for other Commonwealth countries	73	30	+ 43
On all passports and on all routes		,	
except those between U.K. and Republic of Ireland	212	272	- 60

From Home Office data of actual admissions, we can correct the small difference between intending and estimated actual immigrants. We accordingly then have, as the estimated migration into and out of the United Kingdom for 1964 (by all routes except those between the U.K. and Republic of Ireland):

(Figures in thousands)

	Inward	Outward	Net migration
On foreign passports	72	40	+ 32
On U.K. passports	72	202	- 130
On passports of other Commonwealth countries	80	30	+ 50
Total	224	272	- 48

The estimated net gain to the United Kingdom's total population in 1964 from traffic between the U.K. and Republic of Ireland was 31 thousand. Hence the net United Kingdom balance of migration for that year was minus 17 thousand. With the net balance for Scotland and Northern Ireland with countries outside the United Kingdom at minus 26 thousand, the England and Wales balance with non-U.K. countries was plus 9 thousand, to which must further be added the net gain of plus 25 thousand from Scotland and Northern Ireland to give our balance with the rest of the world. It is useful to remember that the three separate net migration figures for England and Wales, Scotland and Northern Ireland which, when added together, give the United Kingdom net migration figure must be the balance between each constituent country and what is to it the rest of the world (i.e. including the other two U.K. countries). To translate the U.K. balance with the rest of the world into an England and Wales balance with the rest of the world, it is not sufficient merely to subtract Scottish and Northern Irish net migration with extra-U.K. countries.

It would appear that with intending migrants (other than between U.K. and the Irish Republic) sampled on long and short routes, sea and air, and with at least male/female/child subdivision for most of the supplementary data (on the Republic we have guidance from 1951-61 Census data and a post-censal survey), the estimation outlook perhaps from 1963, certainly from 1964, is extremely hopeful. There are, however, limits to what this continuing sampling of a traffic approaching 8 million passengers either way by voluntary interrogation at the point of arrival or departure, can reasonably be expected to provide.

The International Passenger Survey

The Social Survey (Central Office of Information) is commissioned by the Board of Trade to interview a stratified random sample of passengers entering and leaving the United Kingdom on all the principal air and sea routes (other than to the Irish Republic) to obtain information about international migration, tourism, and the contribution of "travel" expenditure to the international balance of payments.

At London Airport and Prestwick: nearly 7 per cent of outgoing and 4 per cent of incoming passengers on the long air routes are interviewed; 2 per cent in winter and 1 per cent in summer of short air route passengers are also interviewed there.

At smaller airports: the percentage sampled varies between half of one per cent and 4 per cent according to time and airport concerned. Sample weights are adjusted for known traffic densities and appropriate allowance made for traffic not covered.

On short sea routes: about 1 per cent of winter and half of one per cent of summer traffic is interviewed. In a two stage sample, cross-channel boats are sampled in proportion to the weight of traffic they are expected to handle and a predetermined number of passengers is interviewed on each selected boat.

On the long sea routes: every liner or other ship with more than 200 passengers arriving or more than 100 departing is covered and so is one out of every two other ships carrying more than 12 passengers on these routes. Nearly 7 per cent of the outgoing and 4 per cent of the incoming passengers are sampled.

A larger proportion of passengers leaving this country on the long sea and air routes is sampled in order to provide information about emigration from this country because of the disparity between the extensive factual data on inward movement and (apart from figures from the main receiving countries) the lack of data on outward movement. This information is used by the General Register Office in the analyses of intending migrants published annually in the Registrar General's Statistical Review, Part II and in the Quarterly Return for the third quarter.

In 1964 the sample consisted of 93 thousand successful voluntary interviews with incoming passengers, of whom 4,900 had the characteristic "intending immigrant". From this the information on the 212 thousand intending immigrants referred to previously is grossed up. There were 125 thousand successful voluntary interviews with outgoing passengers, of whom 12,750 had the characteristic "intending emigrant" and from this the information on 272 thousand previously mentioned is grossed up.

The results are a valuable guide to the distribution of actual immigrants and emigrants by sex, age-group, marital condition and other relatively large groupings, such as very broad occupational groups. The size of the sample is determined by what is practicable under all the circumstances. It was always appreciated that it would be an inadequate guide to any distribution of the relatively small groups going from or to Scotland, Northern Ireland or Wales, but would be a welcome development for information on the United Kingdom and England and Wales. Its limitations must be emphasised, for despite all warnings we still have enquiries as to the precise number of, for example, nuclear physicists emigrating. It can afford no reliable measurement of such items, at least until it has been going for a run of years. Still less can it supply the answers to such queries as how many doctors who might reasonably have been regarded as likely to practice in the United Kingdom have emigrated overseas. It cannot even ask the questions which would be necessary to provide the answer to such distinctions between one doctor and another. Interrogation at the point of arrival or departure has its limits.

The problem of how best to satisfy public interest in "margins of error" in the figures is being considered. There is no difficulty over the overall totals or any sub-totals where it is fair to assume that the proportion of migrants on the various routes is tolerably consistent with the proportions in the whole. Some simple classification of figures by percentages within which they may be regarded as tolerably reliable would show a chaotic distribution of the lowest category, varying from year to year.

There is also one potential danger in the sample which would be a case of history repeating itself. In 1951 there were only some 200 thousand people in the whole of England and Wales (including students and the children of U.K. born missionaries, civil servants and persons serving in the Armed Forces) who had been born in the 'new' Commonwealth countries in Asia, Africa and the Caribbean. A substantial (but since declining) proportion of these would be entirely of European stock. By 1961 the total number was some 470 thousand; but by 1964 there were some 740 thousand. Similar increases in the number of Cypriots, Maltese and others took place. The absence of data - because of the absence of air and short sea haul statistics (at any rate until the results of the 1961 Census justified the estimates) - meant that the mere number was one of the aspects which aroused controversy. If closer association with Europe were to remove restrictions on migration, the present sample of traffic with the Continent would clearly be inadequate to gauge the short haul migrant traffic.

Similarly, an apparent (but not actual) conflict of evidence still persists with regard to U.K. population gain from the traffic between the United Kingdom and the Republic of Ireland. It is agreed that the annual net intake direct from this traffic rose to 30 thousand around 1951, exceeded 35 thousand a year for a brief period before the 1961 Census and was between the two figures throughout the decade. This means a net movement well exceeding 300 thousand from the Republic to the U.K. over the decade. Yet the number of persons in England and Wales born in the Republic (or in Ireland, part unspecified) rose by less than 200 thousand over the decade. We have no knowledge of the specific mortality rate for persons in England and Wales born in the Irish Republic, except that extremely few born there were victims of infant mortality here and many returned home before old age. But whatever the mortality among those here in 1951 or moving here later, it is reasonable to assume that no more than 250 thousand of the newcomers during the decade could have been here at its end. The solution of the apparent mystery is, of course, that emigrants overseas from the United Kingdom, on U.K. passports, must have included an average of some 7 thousand a year who had been born in the Republic. With the importance of workers in the construction field among our emigrants, this is not surprising. Similar considerations apply to natives of Scotland and Northern Ireland who moved to England and Wales and thereafter overseas.

The following table shows net intake or net outflow of migrants by categories into/out of England and Wales in the five years ending 30th June 1964. This approach was begun of necessity because there was at least partial data available, whereas assessment by type of route was impossible. In the light of 1961 Census data it was possible to continue it with some confidence at first as a continuing necessity and in 1963 and since as a yardstick by which to examine data by routes from the sample.

Table C5. Estimated net intake (+) or outflow (-) of categories of migrant, mid-1959 to mid-1964, England and Wales

(Figures in thousands)

Year ending 30th June	On foreign passports*	On passports of overseas Common- wealth countries	By direct U.K. traffic with Irish Republic	From the rest of the U.K.	On U.K. passport/ beyond the U.K. and Irish Republic	Net migration
1960	+ 30	+ 66	+ 32	+ 24	- 44	+ 108
1961	+ 20	+ 120	+ 35	+ 29	- 46	+ 158
1962	+ 20	+ 185	+ 32	+ 30	- 42	+ 225
1963	+ 20	+ 47	+ 30	+ 32	- 79	+ 50
1964	+ 30	+ 83	+ 28	+ 31	- 120	+ 52

^{*}Including those of the Republic (formerly Union) of South Africa.

[#]Residents of England and Wales (whatever their origin) who held a U.K. passport, offset by returning former emigrants from U.K. to England and Wales and by inward movement there of others possessing U.K. passports.

Regional migration

We have earlier drawn attention to the fact that England and Wales, alone of the constituent countries of the United Kingdom, is affected by the impact of net immigration from outside the United Kingdom on its population growth. Not only does the net loss from Scotland and Northern Ireland veil the extent of the gain by England and Wales, but United Kingdom figures necessarily further ignore the concurrent net population gain by England and Wales from the other two United Kingdom countries.

In like manner, figures for England and Wales as a whole necessarily ignore the uneven distribution of external immigration over the country and the extent to which net population growth by migration from other areas of England and Wales is or is not an additional feature. We shall therefore here attempt to assess the net impact both of external and internal migration in the various standard regions as they existed in 1963 and are able to engage in this exercise not only for the 1951-61 intercensal period but also for the mid-year to mid-year periods 1954-59 and 1959-64.

Table C6, however, necessarily suffers from three defects, compared with the national picture. First, the regions from which H.M. Forces serving overseas are drawn are unknown, so that our regional external migration figures cannot be based on change (otherwise than by the excess of births over deaths) in the total population of the region. Faced with the alternatives of using either the home or civilian populations of the regions as our migration criterion, we have elected to use the former, because it is more relevant to considering changes in the number of all the people in a region. When we can also assess the balance for each region between the reduction in Services personnel stationed there and its gain from civilians who have been demobilised (there or elsewhere), we shall be able further to refine these figures.

Second, the figures of the net effect of external migration are necessarily only estimates. They are based on the birthplaces data of the 1951 and 1961 Censuses. To the difference between the number of persons born, say, in France who were resident in the region concerned in 1951 and 1961, there has to be added an estimate of the number of deaths among the population at risk to arrive at an estimate of net migration from France.

Thirdly, an unknown number may not be direct external migrants to that region in the period but internal migrants from some other region of England and Wales where they formerly lived. Nevertheless the intercensal picture set out in Table C6 may be taken as useful for most practical purposes.

Table C6. Estimated rates of net annual migration into or out of the home populations of England and Wales and standard regions, intercensal period 1951-61 and mid-year to mid-year 1954-59 and 1959-64

Note. The regional figures are rounded and may not therefore cast to the England and Wales total.

(Figures in thousand persons per year)

1951-61		1954-59			1959-64				
	Internal	External	Total	Internal	External	Total	Internal	External	Total
ENGLAND AND WALES	0	+ 38	+ 38	0	+ 9	+ 9	0	+ 127	+ 127
Standard regions:									
Northern	- 7	- 2	- 9	- 6	- 2	- 8	- 7	- 0	- 7
East and West Ridings	- 11	e + 1	- 10	- 9	- 1	- 10	- 11	+ 5	- 6
North Western	- 13	0	- 13	- 14	- 2	- 16	- 12	+ 5	- 7
North Midland	+ 4	+ 3	+ 7	+ 2	+ 2	+ 4	+ 6	+ 7	+ 13
Midland	- 2	+ 8	+ 6	- 4	+ 4	0	0	+ 19	+ 19
South East*	+ 21	+ 33	+ 54	+ 28	+ 14	+ 42	0	+ 89	+ 89
South Western	+ 10	- 2	+ 8	+ 7	- 4	+ 3	+ 25	+ 3	+ 28
Wales	- 3	- 2	- 5	- 5	- 2	- 7	- 1	- 1	- 2

*i.e. the London and South Eastern, Eastern and Southern Regions (the last including Poole M.B., Dorset).

The internal/external split of net regional migration figures for 1954-59 and 1959-64 was made on the following basis:

- (a) The external migration gain for the whole of England and Wales in 1954-1959 was 29 thousand less than in 1951-1961; and in 1959-1964 it was 89 thousand greater than in 1951-1961. These differences have been spread between the regions proportionately to the numbers of people enumerated in each region in 1961 who had been born in Africa (excluding foreign countries and the Union of South Africa), India, Pakistan, Ceylon, Cyprus, Malaya, Singapore, Gibraltar, Malta and the West Indies. The logic behind this is:
 - (i) that it was mainly migration from these countries which was higher in 1959-1964 and lower in 1954-1959 than in 1951-1961; and
 - (ii) that migrants from these countries would tend to settle in the same regions after 1961 as they had done up to then.
- (b) The *internal* net movements were obtained by taking the difference between the total net movements and the external net movements resulting from the previous paragraph.

In conjunction with these figures, two 1961 Census volumes study in particular the incidence of migration in England and Wales from information derived from the 10 per cent sample of census schedules which posed additional questions. The volume of Migration tables gives statistics of the number and characteristics of people who changed their usual residence in the year before Census Day: details of their age, marital condition, socio-economic group, occupation and industry are given together with similar information about the remainder of the population classified by the length of time they have lived at their present usual residence.

The volume of tables on Commonwealth Immigrants in the Conurbations contains demographic, social and economic information about people who gave as their birth-place Jamaica, other Commonwealth territories in the Caribbean, India, Pakistan, Commonwealth countries in Africa (excluding the Republic of South Africa), Cyprus or Malta.

POPULATION

It is estimated that at mid-1963 the home population of England and Wales was 47,028,000, the total population was 47,129,000 and the civilian population was 46,755,000. The definition of what is measured by the first two of these estimates is given in Explanatory Note 2 on page xv; the third is the home population shorn of its non-civilian content, whether H.M. Forces or those of our Allies stationed here. The background to this triple estimation was treated at some length on pages 2 and 3 of the 1961 Commentary in conjunction with page 2 of the 1962 Commentary.

Population growth

The events of 1963 again confirmed the deductions set out, from the evidence on population change in general and on births, deaths and migration in particular, on pages 3-8 and 11-15 of the 1961 Commentary. The figures supporting the conclusion on general population change are as follows:

Table C7. Estimated population, mid-1951, mid-1956 and mid-1961 to mid-1963, England and Wales

(Figures in thousands)

		Total		Home			Civilian			
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	
1951	44,007	21,233	22,774	43,815	21,044	22,771	43,284	20,530	22,754	
1956	44,821	21,669	23,152	44,667	21,517	23,150	44,151	21,013	23,138	
1961	46,308	22,455	23,853	46,205	22,353	23,852	45,891	22,051	23,840	
1962	46,807	22,756	24,051	46,709	22,660	24,049	46,418	22,382	24,036	
1963	47,129	22,934	24,195	47,028	22,834	24,194	46,755	22,574	24,181	

It will be seen that the difference between the increment to the home population and that to the total population which has been very small since the abolition of compulsory national service (see page 4 of the 1961 Commentary) was some 3 thousand in 1962-63.

The growth in the home population of England and Wales had averaged only 200 thousand a year in the forty-five years from 1911. As recently as mid-1952 to mid-1953 it was only 154 thousand and the annual average for the first half of the decade from mid-1951 was 170 thousand. For the remainder of the decade it had risen to 308 thousand. In the following year (ending mid-1962, immediately prior to the operation of the Commonwealth Immigrants Act) we added 504 thousand (i.e. over 1 per cent) to the 46,205 thousand persons here at 30th June 1961. During 1962-63 the increment dropped to 319 thousand; but in 1963-64 the net gain was

373 thousand. The annual average of 170 thousand from 1951-56 has been succeeded by an average of 342 thousand from mid-1956 to mid-1964.

Put in another way, the population of England and Wales increased by 1.9 per cent in the five years from mid-1951, but in the following five years by 3.4 per cent, while in the three years from mid-1961 to mid-1964 the increase has been 2.6 per cent.

Natural increase

In 1963 the population of England and Wales continued to increase by more than the full excess of births over deaths; but the persistently rising incidence of live births remained the most important single factor in this growth. The significance of what must now be accepted as no mere passing phase was discussed on pages 48-66 of the 1962 Commentary.

Table C8. Natural increase of the population, mid-1951 to mid-1956 and mid-1956 to mid-1963, England and Wales

	Births			Deaths			Natural increase		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Annual Average mid-1951 to mid-1956	676,430	347,864	328,566	506,789	261,563	245,226	169,641	86,301	83,340
Year ended 30th June 1957	709,658	364,569	345,089	483,659	248,948	234,711	225,999	115,621	110,378
1958	732,751	377,142	355,609	549,955	284,054	265,901	182,796	93,088	89,708
1959	749,059	385,391	363,668	536,131	274,680	261,451	212,928	110,711	102,217
1960	759,184	390,907	368,277	503,974	257,668	246,306	255,210	133,239	121,971
1961	797,863	411,150	386,713	555,130	283,408	271,722	242,733	127,742	114,991
1962	830,939	427,546	403,393	556,406	282,565	273,841	274,528	144,978	129,550
1963	848,116	436,147	411,969	576,633	294,864	281,769	271,483	141,283	130,200

It will be seen that deaths (which fluctuate independently of births) happened to increase slightly more proportionally than births in 1962-63, with the result that natural increase was trivially lower than in the previous year. In the calendar years 1962 and 1963 natural increase was 281.1 and 281.2 thousands respectively. Recent trends in live births and deaths, and so the pattern of growth in natural increase, are clearly visible from the following annual averages (in thousands):

	Live births	Deaths	Natural increase
Mid-1951 to mid-1956	676	507	169
Mid-1956 to mid-1963	775	537	238
Calendar years 1961-64 inclusive	845	554	291

Mortality is analysed in Part I of the Statistical Review each year and is also treated elsewhere in this and earlier Commentaries.

Apart from a single year from mid-1956, population growth in England and Wales for at least-well over a century has never been identical with natural increase; traditionally this has been modified, latterly augmented, by net migration. By 1963 it was felt that the complex background to net migration (at regional as well as national level) called for more extensive treatment than could be given as part of a general Population chapter. A separate chapter on Migration has therefore been introduced.

Sex-age structure

While the 1951-61 intercensal change in the number of persons had been formally estimated in advance with remarkable accuracy (see 1962 Commentary, p. 2), final census data on the sex-age structure of the population had to be awaited before we could know how far (if at all) we had gone astray over the decade in estimating change from the situation existing at the 1951 Census. A significant correction had to be made in the estimated distribution of the sexes at mid-1961 in the light of preliminary figures from the 1961 Census which has since been slightly modified by final census data. In view of the gaps in our knowledge about the ages of persons leaving and entering the population of England and Wales by sea, air and land routes in the intercensal period, estimating the net effect of migration on its age structure had presented increasing difficulties. Very large gross movements were involved. Over the decade nearly 3 million residents here in 1951 (or who had come here later) left and were replaced by some 3.3 million newcomers from outside England and Wales (or former emigrants returning).

Final estimates of the total, home and civilian population of England and Wales at 30th June 1961, 1962 and 1963 were published as Appendix D in the Registrar General's Quarterly Return for the Third Quarter, 1964 by five-year age-groups (except for the final grouping together of those aged 85 and over) and by single years of age under 21. The mid-1963 estimate is summarised below:

Table C9. Estimated total population by sex and age, as at 30th June 1963, England and Wales

(Figures in thousands)

Age-group	Persons	Males	Females
0 - 14	10,649.4	5,461.5	5,187.9
15 - 24	6,709.9	3,416.2	3,293.7
25 - 34	5,938.8	3,041.4	2,897.4
35 - 44	6,434.9	3,232.0	3,202.9
45 - 54	6,182.7	3,021.4	3,161.3
55 - 64	5,595.7	2,635.4	2,960.3
65 and over	5,617.6	2,125.7	3,491.9
All ages	47,129.0	22,933.6	24,195.4

The final estimates are based on an age graduation of the 1961 Census results. This is a distribution of information supplied on census schedules corrected for the effects of mis-statements as to age. The method used in graduating was as follows. The population enumerated at each single year of age was divided by the related number of live births to supply a set of survivorship factors. A smooth curve was drawn through a graph of these factors, at the same time allowing for migration and for the temporary absence of non-civilians abroad. The graduated population at each age was then obtained by multiplying the smoothed survivorship factors by the related live births.

It is possible that the estimated change from the 1961 Census situation to that at mid-1963 may prove to be less precisely reliable than we hope, for in that short period of just over two years there was a migration outflow approaching half-a-million and an inflow of over three-quarters of a million. The main difficulty has been the lack of evidence about the characteristics of the outflow, compared with information concerning the inflow. From 1963 and onwards the situation has been less unbalanced, but it is still not wholly satisfactory. The Census authorised to be held in 1966 will make very much more accurate estimates possible.

Sex ratios

About 106 boys are born for every 100 girls; but in the total all ages population at mid-1963 there were only 95 males for every 100 females. This compares with ratios of 93 at mid-1951 and 94 at mid-1961, the slightly differing ratios reflecting merely the increasing number of young males and any effect of net migration. Since the death rates for males are higher than those for females at all ages, change in the age at which parity of males with females in the population is reached is of considerable social significance. In 1911 the excess of males at birth changed to parity of numbers by the age of ten (from excess of mortality in the 5-9 age-group); by mid-1963 it was only in the population just aged 42 that the number of females equalled (and thereafter exceeded) that of males. Migration, as well as increased survival, has played some part in this development. At older ages the death rates for males have fallen much less than those for females and consequently the excess of females at these ages has been increasing. At the 1911 Census there were 757 men for every 1,000 women aged 65 or over; in 1963 there were only 609. As recently as the 1951 Census there were 620 males to every 1,000 females aged 75 and over; but in 1963 there were nearly twice as many women as men in this age-group.

Age structure

In the 1961 Commentary (pages 9 and 10) we discussed at some length the change over the last half-century in the relative size of the groups aged under 15, 15-64 and 65 and over. The figures are brought up to date in Table Clo.

Table CIO. Proportion per I,000 of the population aged under 15, I5-64, and 65 and over in I9II, I931, I951 and I963, England and Wales

Age-group	1911 (census)	1931 (census)	1951 (census)	1963 (estimate)
Under 15	306	238	221	226
65 and over	52	74	110	119
Under 15 and 65 and over	358	312	331	345
15-64	642	688	669	655
All ages	1,000	1,000	1,000	1,000

This shows how the large cohort of persons born between 1871 and 1911, the largest for any forty-year period in our history and receiving its record increment in the decade prior to 1911, had produced a 1911 population which was exceptionally youthful. With the decline in mortality at younger ages survivors of this cohort (despite the impact of two world wars and continuing emigration, to be offset by the major part of the net immigration 1911-63) have moved forward in age, giving a 1963 population more closely approximating to a normal distribution than that of 1911, i.e. to a population of the same size recruited from a constant flow of births and exposed to the mortality of the relevant years.

Marital status

As in previous years an estimate of the proportion in each age-group of the population who are married is contrasted in Table Cll below with information furnished by the 1951 Census and that of 1931. The mid-1963 estimate, however, together with those for mid-1961 and mid-1962 are in the process of being revised in the light of final data from the 1961 Census. The basis of marital condition estimates is fully discussed in pages 17 to 27 of this Commentary.

Table CII. Proportion married per 1,000 in each age-group 1931, 1951 and 1963, England and Wales

	1	Males		Females					
Age-group	1931 (census)	1951 (census)	1963 (estimate)	1931 (census)	1951 (census)	1963 (estimate)			
15-24	70	125	148	140	272	303			
25-34	640	720	774	658	798	878			
35-44	855	862	87.7	752	820	885			
45-54	847	877	884	720	759	814			
55-64	795	850	861	619	624	672			
65 and over	619	664	708	341	352	344			

With the single exception of the oldest group of females (where the excess of widows over widowers is even more marked than in the 55-64 age-group), the proportion of every age-group who are married continues to grow. For both males and females aged 15-24, it has more than doubled since 1931.

Future prospects

Population forecasts are, it is true, arrived at by precise mathematical calculation, but only on the basis of certain assumptions as to the future incidence of births and deaths and the future net consequences of migration (including its impact on fertility and mortality). If the assumptions turn out to have been valid, the end population will be precisely as projected; if they turn out not to have been valid, the end result will not be achieved, unless by chance the errors in the assumptions happen to cancel each other out. It was pointed out in earlier issues of the Commentary that the assumptions behind the official projections of the national population are currently under annual review. As a result of modifications made early in 1965 to previous assumptions, the population to A.D.2001 has been projected from the estimated mid-1964 total population and has already been published as Appendix D to the Registrar General's Quarterly Return for the Fourth Quarter, 1964 and also in the Monthly Digest of Statistics, April 1965. The methods and assumptions for that projection were published in the May 1965 issue of Economic Trends.

A summary of the projection from mid-1964 shows (in thousands):

		19	67	19	70	19	81	19	91	2001	
		Number	per 1,000								
Persons	All ages	48,699	1,000	49,930	1,000	54,541	1,000	59,589	1,000	66,419	1,000
Persons	under 15	11,390	234	12,153	243	14,059	258	15,545	261	18,255	275
Males	15-44	9,831	202	9,911	198	11,038	202	12,573	211	14,085	212
Females	15–44	9,412	193	9,447	189	10,481	192	11,885	199	13,294	200
Males	45-64	5,826	120	5,855	117	5,762	106	5,970	100	6,604	99
Females	45-59	4,754	98	4,698	94	4,386	80	4,496	75	5,047	76
Males	65 and over	2,303	47	2,473	50	2,975	55	3,193	54	3,283	49
Females	60 and over	5,183	106	5,393	108	5,840	107	5,927	99	5,851	88

Table Cl2. Revised estimated home population by sex and age, as at 30th June 1963, England and Wales, standard regions, Wales and conurbations

(Figures in thousands)

	_																	
	All ages	Under 1	1-4	5–9	10–14	15–19	20-24	25–29	30–34	35–39	40-44	45–49	50-54	55–59	60–64	65–69	70-74	75 and over
ENGLAND AND WALES	22,834.0 24,193.7	426.9 405.3	1,575.0	1,727.9	1,731.7 1,647.0	1,861.8 1,792.0	1,496.8 1,500.6	1,495.7	1,517.2 1,457.4	1,557.5 1,535.6	1,663.5 1,667.2	1,467.0 1,522.7	1,551.9 1,638.6	1,443.0 1,564.6	1,192.4 1,395.7	835.4 1,189.4	607.4 961.7	682.9 1,340.8
Standard regions and conurbations:											1							
Northern M	1,614.6 1,676.0	30.6 29.0	118.9 112.8	135.5 129.4	130.2 124.3	130.3 124.1	99.6 104.2	104.0 102.3	108.6 105.7	113.3 108.8	118.3 115.3	98.1 99.7	103.6 106.9	97.3 105.2	82.1 92.1	57.3 78.0	41.4 60.8	45.5 77.4
Tyneside Conurbation MF	413.8 441.2	8.0 7.5	30.5 29.0	34.8 33.2	33.1 31.9	32.6 32.7	25.1 27.9	26.6 26.6	27.6 27.4	29.4 28.7	31.5 31.5	25.4 26.5	26.8 28.3	25.2 28.3	21.3 24.8	14.7 20.8	10.4	10.8
Remainder of Northern MF	1,200.8 1,234.8	22.6 21.5	88.4 83.8	100.7 96.2	97.1 92.4	97.7 91.4	74.5 76.3	77.4 75.7	81.0 78.3	83.9 80.1	86.8 83.8	72.7	76.8 78.6	72.1 76.9	60.8	42.6 57.2	31.0 44.7	34.7 57.4
East and West Ridings M	2,046.5 2,173.0	38.4 36.6	142.7 135.2	158.2 149.6	159.4 151.8	165.2 160.8	125.8 132.9	129.1 127.1	132.6 129.4	141.3 136.3	149.6 148.6	133.1 137.2	140.3 148.8	132.7 143.4	111.5 129.6	76.0 108.9	53.7 85.1	56.9 111.7
West Yorkshire Conurbation MF	820.2 897.2	15.7 15.0	57.8 54.7	63.1 59.5	63.5 61.1	62.1 61.5	48.2 52.6	51.5 50.7	53.0 52.5	57.7 55.2	59.9 59.5	54.0 56.8	57.2 62.8	55.0 62.4	46.6 57.6	31.2 48.4	21.8	21.9
Remainder of East and West Ridings MF	1,226.3 1,275.8	22.7	84.9 80.5	95.1 90.1	95.9 90.7	103.1 99.3	77.6 80.3	77.6 76.4	79.6 76.9	83.6 81.1	89.7 89.1	79.1 80.4	83.1 86.0	77.7 81.0	64.9 72.0	44.8 60.5	31.9 47.4	35.0 62.5
North Western M	3,177.9 3,454.3	62.5 59.3	233.0 220.8	253.9 241.1	252.0 240.6	253.2 250.1	190.4 206.8	199.9 196.2	205.1 201.5	214.0 213.9	227.1 233.7	203.9 217.7	220.9 239.2	205.9 229.5	169.7 207.6	117.4 176.5	83.3 140.1	85.7 179.7
South East Lancashire Conurbation MF	1,168.9	23.2 22.0	85.1 80.7	91.5 86.6	91.9 88.0	91.4 91.3	69.9 76.1	73.4 72.0	75.1 73.8	81.6 80.0	85.5 86.9	77.2 81.9	83.8 90.6	76.9 85.4	62.2 76.4	41.4 64.1	29.2 50.6	29.6 64.4
Merseyside Conurbation MF	661.5 724.5	14.6 13.8	54.0 51.2	58.4 55.9	55.8 53.8	56.4 57.2	44.1 48.7	44.8 43.6	43.4 42.8	41.8 43.4	44.6 47.7	40.0 43.9	42.2 46.4	38.6 43.6	31.3 38.7	21.4 32.5	14.9 26.1	15.2 35.2
Remainder of North Western MF	1,347.5	24.7 23.5	93.9 88.9	104.0 98.6	104.3 98.8	105.4 101.6	76.4 82.0	81.7 80.6	86.6 84.9	90.6 90.5	97.0 99.1	86.7 91.9	94.9	90.4	76.2 92.5	54.6 79.9	39.2 63.4	40.9 80.1
North Midland M	1,840.3	34.6 32.8	128.8 122.1	142.4 134.6	142.0 134.3	151.1 145.0	115.1 114.9	119.8 114.2	124.2 117.1	130.8 123.2	136.8 130.5	117.0 115.8	121.9 123.5	113.4 117.3	94.9 104.5	65.3 88.0	47.2 69.7	55.0 96.0
Midland M	2,414.6 2,460.9	46.5 44.2	170.0 161.1	185.8 175.6	184.4 175.0	211.2 199.0	160.5 159.2	162.0 152.6	170.1 156.2	172.2 164.2	184.5 177.5	158.8 154.1	159.3 159.5	144.7 149.3	115.5 130.4	76.4 106.8	53.8 83.2	58.9
West Midlands Conurbation M	1,172.7	23.4 22.3	82.4 78.0	88.1 83.3	88.6 84.3	101.9	79.0 79.7	80.3 74.2	83.0 75.5	83.6	92.2 88.4	79.1 76.6	78.6 79.0	70.4 73.9	55.8 64.6	35.9 52.1	24.5 40.1	25.9 53.5
Remainder of Midland M	1,241.9 1,256.3	23.1 21.9	87.6 83.1	97.7 92.3	95.8 90.7	109.3	81.5 79.5	81.7 78.4	87.1 80.7	88.6 84.1	92.3 89.1	79.7 77.5	80.7 80.5	74.3 75.4	59.7 65.8	40.5 54.7	29.3	33.0 59.5
Eastern M F	1,925.2	35.5 33.8	141.0 133.6	150.8 143.2	146.0 137.8	152.1 142.6	129.4 119.9	130.9 127.0	136.4 129.6	136.3 132.1	141.9 136.6	120.4	122.4	111.6 116.1	91.2 104.5	66.3 91.3	51.3 76.9	61.7
London and South Eastern M	5,330.7 5,894.7	97.8 92.8	335.8 318.5	357.5 341.0	377.6 359.6	421.8 427.3	357.0 385.4	359.4 349.7	349.0 345.4	355.0 366.3	391.6 409.4	362.4 393.2	392.9 427.4	362.7 403.8	291.6 352.5	201.2 299.3	147.1 250.0	170.3 373.1
Greater London M	3,905.0	73.2 69.5	240.5 228.0	251.3 241.0	269.6 257.2	307.6 317.1	272.9 299.5	275.1 263.4	260.9 255.1	265.8 271.7	291.9 303.9	272.9 293.7	296.5 317.6	270.6 294.6	212.0 249.1	137.1 204.0	97.1 167.5	110.0 247.4
Remainder of London and South Eastern M	1,425.7	24.6 23.3	95.3 90.5	106.2	108.0 102.4	114.2 110.2	84.1 85.9	84.3 86.3	88.1 90.3	89.2 94.6	99.7 105.5	89.5 99.5	96.4 109.8	92.1 109.2	79.6 103.4	64.1 95.3	50.0	60.3
Southern M	1,477.1	27.9 26.5	104.5 99.0	114.0 107.9	110.7 104.8	126.6 110.1	118.6 94.5	102.2 93.1	100.1 91.2	96.3 94.3		87.5 90.7	92.0 96.8	84.9 91.5	70.4 82.7	52.7 73.1	40.1	47.1 91.4
South Western P	1,705.3	30.0 28.5	111.9 106.1	128.1 122.4	128.3 121.7	143.3 130.9	119.3 103.7	108.5	108.2	108.9 109.2	117.0 118.8	103.9	112.0 120.6	106.9 118.7	93.6	70.8 97.9	52.7 80.8	61.9
Wales P	1,301.8	23.1 21.8	88.4 83.9	101.7 97.7	101.1 97.1	107.0 102.1	81.1 79.1	79.9 77.0	82.9 80.0	89.4 87.3	95.2 96.0	81.9 84.0	86.6 91.0	82.9 89.8	71.9 81.5	52.0 69.6	36.8 53.8	39.9 69.7
Wales I (South East)	940.2	16.8 15.7	64.5 61.1	73.9 71.3	73.4 70.2	77.7	57.2 57.6	58.3 56.7	60.7 58.4	66.6 64.8	70.1 70.4	59.9 60.5	62.5 64.5	59.6 63.1	51.1 56.3	36.3 47.5	25.2 36.2	26.4
Wales II (remainder)	361.6 388.1	6.3 5.9	23.9 22.8	27.8 26.4	27.7 26.9	29.3 28.2		21.6 20.3	22.2 21.6	22.8 22.5	25.1 25.6	22.0 23.5	24.1 26.5	23.3 26.7	20.8 25.2		11.6	13.5

Table C10 on page 43 contrasts the 1963 proportions per thousand of the total population in various age-groups with the situation at earlier dates. Below we compare the situation in 1911 and 1963 with that projected for 2001:

Age-group	1911	1963	2001
Under 15	306	226	275
65 and over	52	119	117
Under 15 and 65 and over	358	345	392
15-64	642	655	608
All ages	1,000	1,000	1,000

Regional populations

The availability of the final usual residence data from the 1961 Census has enabled a more precise assessment than hitherto to be made of the population of the standard regions and conurbations at mid-1963. The figures in Table Cl2 are a revision of those in the estimate for mid-1963 published as Table A4 in Part II for 1963.

Regional share of the national population change

The increasing momentum of national population growth is important in itself and also because of the uneven distribution of this change throughout the country. Table Cl3 illustrates the relative changes in the home population (i.e. for the regions the resident populations as defined for the annual mid-year estimates of their constituent local authority areas, the regional boundaries in mid-1963 being used throughout).

Table Cl3. Resident population at Census 1951 compared with home population at mid-1963, percentage changes, England and Wales and standard regions

(Figures in thousands)

	Resident	Home	Percentage
	population	population	change from
	Census 1951	mid-1963	Census 1951
England and Wales	43,758	47,028	+ 7.5
Standard regions: Northern East and West Ridings North Western North Midland Midland Eastern London and South Eastern Southern South Western Wales	3,133	3,291	+ 5.0
	4,091	4,220	+ 3.2
	6,424	6,632	+ 3.2
	3,375	3,724	+ 10.3
	4,422	4,875	+ 10.2
	3,105	3,907	+ 25.8
	10,916	11,225	+ 2.8
	2,470	2,987	+ 20.9
	3,238	3,504	+ 8.2
	2,584	2,663	+ 3.1

The changing distribution of the population since 1951 may also be illustrated by a percentage analysis both of the home population and of the civilian population in that year and at mid-1963.

Table C14. Percentage distribution of the resident population and of the civilian population Census 1951 and mid-1963, England and Wales, standard regions and regional groups

	Resident population as at	Home population as at	Civilian po as a	
	Census 1951	mid-1963	Census 1951	mid-1963
England and Wales	100.0	100.0	100.0	100.0
Standard regions:				The state of the s
Northern Group	31.2	30.1	31.4	30.2
Northern	7.2	7.0	7.2	7.0
East and West Ridings	9.3	9.0	9.4	9.0
North Western	14.7	14.1	14.8	14.2
Midland Group	23.7	23.9	23.8	24.0
Wales	5.9	5.7	5.9	5.7
North Midland	7.7	7.9	7.7	7.9
Midland	10.1	10.4	10.1	10.4
The South East	37.7	38.5	37.6	38.4
Eastern	7.1	8.3	7.0	8.3
London and South Eastern	24.9	23.9	25.1	23.9
Southern	5.6	6.4	5.5	6.2
South Western Region	7.4	7.5	7.2	7.4

This shift in the inter-regional distribution of the population of England and Wales is largely, but by no means solely, the result of migration, both external and internal. Differential natural change must also be taken into account. The assessment of the relative importance of external and internal migration can be made intercensally with confidence: our ignorance of the regional origin of external emigrants and of the regional destination of external immigrants and the vital part that events since the Census have played in the latter makes any extension of the period less reliable. Intercensal figures demonstrating the comparative regional effects of natural change have already been published in Table 7 of the Age, Marital Condition and General Tables volume* of the series of reports on the 1961 Census.

^{*}On sale at H.M. Stationery Office price &1 2s. Od. net.

Table CI5. Intercensal change in population enumerated in 1951 and 1961, per cent per annum, total and by natural change and otherwise,

England and Wales and standard regions

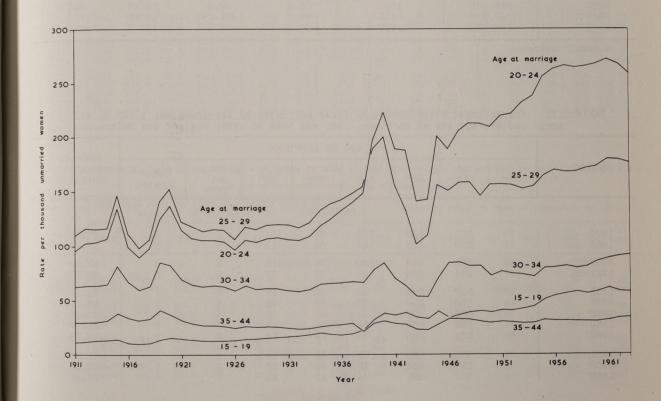
ed to set would be set as	Total	By births and deaths	Balance*
England and Wales	0.52	0.44	0.09
Standard regions:			
Northern	0.35	0.62	- 0.27
East and West Ridings	0.18	0.41	- 0.23
North Western	0.18	0.38	- 0.19
North Midland	0.73	0.54	0.19
Midland	0.73	0.59	0.14
Eastern	1.88	0.54	1.34
London and South Eastern	0.18	0.33	- 0.16
Southern	1.47	0.54	0.93
South Western	0.55	0.30	0.25
Wales	0.17	0.35	- 0.17

^{*}The 'balance' items include voluntary migration, redeployment of the Armed Forces and the net effect of demobilisation on the areas concerned.

MARRIAGES

The marriage statistics were discussed in Part III of the Registrar General's Statistical Review of England and Wales for the year 1961. The following tables advance by one year the figures given in Tables V to XVI on pages 8 to 16 of the 1962 volume. Marriage rates by age during the last 50 years are shown in Diagram 1. Comment is deferred until a later year.

Diagram |



Marriage rates* of women by age, 1911 to 1963, England and Wales

^{* 1911-37:} all marriages per 1,000 spinsters, widows and divorced women. 1938-63: first marriages per 1,000 spinsters.

Table C16. Numbers of marriages and marriage rates, 1931 and 1938 to 1963, England and Wales

			Marria	ge rates						
		Per 1,000	Per 1,000 unmarried population							
Period	1931 311,847 1 1938 361,768 1 1939-50* 381,910 1 1951-55* 350,916 1 1956 352,944 1 1957 346,903 1 1958 339,913 1 1959 340,126 1 1960 343,614 1	total population	Men aged 15 and over	Women aged 15 and over	Men aged 20-44	Women aged 15-39				
		15.6 17.6	53.4 61.2	41.6 47.8	106.4 124.5	68.6 85.5				
		17.9 15.8	68.2 68.4	53.0 51.4	139.7 129.9	106.2 110.6				
1957 1958 1959	346,903 339,913 340,126	15.7 15.4 15.0 14.9 15.0	70.9 70.3 69.0 68.7 68.9	53.0 52.4 51.5 51.3 51.6	138.9 138.9 137.7 138.9	120.7 121.5 120.2 119.2 119.9				
1961 1962 1963	346,678 347,732 351,329	15.0 14.9 14.9	68.3 66.3 65.9	52.0 51.2 51.2	141.7 140.2 140.0	121.5 117.0 115.0				

^{*} Annual averages.

Table C17. Proportional distribution of first marriages by age-group per 1,000 at all ages, and average age at marriage, 1931 and 1938 to 1963, England and Wales

ugos	, and av		c at mar	rage, 1	931 and	1930 10	1903, Liigi	land and wa	162				
				Age	at marr	lage			Average				
Period	15-	20-	25-	30-	35-	45-	55 and over	Not stated	age at marriage				
	BACHELORS												
1931 1938	1938 17 339 413 146 64 13 5 3												
1939-50 1951-55	29 31	421 478	333 304	122 104	71 59	15 17	5 5	4 2	27.06 26.55				
1956 1957 1958 1959 1960	43 49 56 57 59	502 508 520 529 534	286 279 268 261 258	93 90 84 83 79	53 53 51 50 49	17 15 15 14 14	5 5 5 5	1 1 1 1	26.15 26.03 25.86 25.77 25.68				
1961 1962 1963	69 73 79	529 528 530	255 254 251	78 77 74	48 48 47	14 13 13	6 6 5	1 1 -	25.59 25.53 25.41				
				SPI	NSTERS								
1931 1938	98 112	480 460	283 278	78 86	41 45	11 11	4 4	5 4	25.47 25.58				
1939-50 1951-55	156 186	50 4 5 3 7	201 161	67 54	48 38	14 16	5 6	5 2	24.75 24.18				
1956 1957 1958 1959 1960	225 237 250 252 264	530 529 527 534 529	142 134 128 121 117	47 45 42 41 40	33 33 31 30 30	15 14 14 13 13	6 6 6 7 6	2 2 2 2 1	23.73 23.60 23.46 23.37 23.26				
1961 1962 1963	287 299 305	511 505 504	115 112 109	38 37 35	29 28 28	12 12 11	7 6 7	1 1 -	23.13 23.03 22.92				

Table C18. First marriage rates by sex and age with ratios to those of 1938 taken as 100, 1931 and 1938 to 1963, England and Wales

The ratios were calculated using unrounded rates

Marriage rate per	Mar	riage ra		r 1,000 ach age-		popula	tion			Ratio o	f rates	to tho	se of 1	938 tak	en as 10	00
1,000 population over 15	15-	20-	25-	30-	35-	45-	55 and over	and	15-	20-	25-	30-	35-	45-	55 and over	All ages*
								BACHELORS								
56.0 64.8	3.3	72.3 87.0	152.2 176.8	111.5 127.5	49.8 57.0	16.4 18.5	5.4	1931 1938	100	83 100	86 100	87 100	87 100	89 100	114 100	86
71.2 70.8 73.6	6.4 6.7 11.0	112.1 131.8 153.1	175.6 174.4 187.4	128.3 107.3 105.7	61.2 48.9 44.7	20.8 18.3 16.5	5.1 5.1 4.8	1939-50 1951-55 1956-60	198 205 339	129 152 176	99 99 106	101 84 83	107 86 78	113 99 90	107 106 101	113 117 132
72.7 72.8 72.1 69.5 68.6	11.5 11.7 13.2 12.8 13.4	154.1 157.8 158.9 157.5 157.2	187.6 190.9 189.4 187.6 185.1	103.8 104.0 103.7 98.7 95.5	43.4 42.6 42.8 42.7	16.1 16.0 15.8 15.6 15.1	4.8 4.8 4.8 4.7 4.7	1959 1960 1961 1962 1963	354 359 405 394 411	177 181 183 181 181	106 108 107 106 105	81 82 81 77 75	76 76 75 75 75	87 87 86 85 82	100 101 100 98 98	133 136 137 136 106
								SPINSTERS								
51.7 61.4	17.1 22.6	106.8 147.9	119.1 154.0	57.2 67.2	21.3 25.7	7.9 8.6	2.2	1931 1938	76 100	72 100	77 100	85 100	83 100	92 100	108 100	76
69.5 71.9 77.4	36.8 43.9 56.6	191.1 231.9 264.8	153.3 157.2 169.9	72.8 75.1 80.7	28.9 29.4 30.5	10.2 10.4 10.2	2.0 2.1 2.2	1939-50 1951-55 1956-60	163 194 251	129 157 179	100 102 110	108 112 120	112 115 119	119 122 119	100 102 107	123 143 169
77.1 77.8 78.8 77.2 76.8	56.5 57.7 60.8 58.4 57.6	265.4 267.8 271.7 267.3 258.3	171.2 172.7 179.4 178.7 176.0	81.1 85.7 88.7 90.4 91.8	30.3 31.4 32.2 33.3 33.6	9.9 10.4 10.5 10.3 10.7	2.3 2.2 2.3 2.2 2.3	1959 1960 1961 1962 1963	250 256 269 259 255	179 181 184 181 175	111 112 116 116 114	121 128 132 135 137	118 122 125 130 131	115 122 122 120 125	112 108 113 109 113	171 175 181 180 125

^{*} Age - standardised.

Table C19. Remarriage rates by sex and age with ratios to those of 1938 taken as 100, 1931 and 1938 to 1963, England and Wales The ratios were calculated using unrounded rates

Remarriage rate per	Remarri	age rate	s per 1, tion in			divorced			Ratios of rates to those of 1938 taken as 100					
1,000 population over 15	20-*	25-	30-	35-	45-	55 and over	Period	20-*	25-	30-	35-	45-	55 and over	All ages+
						WIDOWED A	AND DIVORCE	ED MEN						
35.8	139.2	172.7	189.2	133.5	67.6	14.9	1931	91	99	76	87	85	94	88
38.1	153.6	174.5	248.0	152.6	79.1	15.9	1938	100	100	100	100	100	100	100
50.5	217.6	425.9	338.1	214.8	106.0	17.6	1939-50	142	244	136	141	134	111	133
55.4	253.0	355.8	339.4	210.7	116.1	19.7	1951-55	165	204	137	138	147	124	139
48.4	391.9	338.2	305.6	173.7	98.9	20.4	1956-60	255	194	123	114	125	128	126
47.5	503.2	349.2	305.2	169.5	94.9	20.8	1959	328	200	123	111	120	131	125
47.9	504.4	363.9	326.7	168.6	96.6	21.1	1960	328	209	132	110	122	133	128
48.0	464.1	373.6	349.9	177.7	92.6	21.2	1961	302	214	141	116	117	134	130
48.1	396.9	395.0	281.5	171.0	93.1	21.1	1962	258	226	114	112	118	133	126
50.7	521.4	445.3	297.7	171.7	94.9	21.6	1963	339	255	120	112	120	136	133
					W	IDOWED A	ND DIVORCE	D WOMEN						
9.8	128.2	138.8	94.1	36.5	14.1	2.2	1931	65	81	82	73	96	89	82
10.2	197.1	172.4	114.2	50.1	14.7		1938	100	100	100	100	100	100	100
15.7	294.0	308.6	170.3	73.0	21.6	2.7	1939-50	149	179	149	146	146	109	145
16.1	374.7	323.0	190.6	85.0	29.2	3.0	1951-55	190	187	167	170	198	122	167
13.2	427.7	339.7	222.0	81.1	29.6	3.0	1956-60	217	197	194	162	200	123	168
12.7	453.5	326.1	235.6	79.9	29.9	3.0	1959	230	189	206	159	203	123	168
12.7	458.4	337.3	239.6	81.7	30.1	3.2	1960	233	196	210	163	204	128	172
12.7	400.0	347.4	255.4	81.3	30.9	3.2	1961	203	202	224	162	209	131	174
12.9	413.0	378.5	212.1	86.0	30.8	3.3	1962	210	220	186	172	209	133	176
13.2	447.9	379.1	217.6	86.4	30.6	3.3	1963	227	220	191	172	207	133	130

^{*} Based on small numbers. + Age - standardised.

Table C20. Proportional age distribution per 1,000 at all ages and average age at remarriage of widowed persons, 1931 and 1938 to 1963, England and Wales

					Ag	ge at re	marriag	ge				Ayanaga
Period	Under 25	25-	30-	35-	40-	45-	50-	55-	60-	65 and over	Not stated	Average age at remarriage
						WIDOWEL	MEN					
1931 1938	6 6	45 42	96 89	112 110	119 112	126 124	135 128	123 125	94 103	122	22 23	49.43 50.21
1939-50 1951-55 1956-60	6 3 3	37 23 15	72 49 33	99 65 53	111 92 69	123 117 107	131 141 138	129 143 164	110 129 145	160 221 256	22 17 17	50.86 54.59 56.52
1959 1960 1961 1962 1963	3 1 2 4	16 15 11 13 16	29 28 29 25 28	54 52 48 46 42	64 62 64 69 67	102 103 98 94 90	137 137 135 136 135	163 169 164 162 162	147 151 160 163 167	268 264 276 275 288	17 16 14 15	56.97 57.01 57.51 57.48 57.62
					W	IDOWED	WOMEN					
1931 1938	14 19	76 71	135 115	168 150	153 148	144 142	114 119	70 86	52 59	57 72	17 19	44.48 45.58
1939-50 1951-55 1956-60	50 13 14	124 52 37	133 101 61	128 117 97	125 132 118	126 142 151	102 138 146	76 105 125	58 87 112	61 98 123	17 15 15	43.19 48.09 50.45
1959 1960 1961 1962 1963	15 17 12 13 15	37 37 32 34 35	58 52 51 52 49	94 87 83 75 72	109 109 108 112 118	151 153 155 149 140	149 147 149 151 156	124 128 127 131 133	116 125 128 129 129	131 132 143 142 153	16 13 12 12	50.86 51.08 51.65 51.64 51.86

Table C21. Remarriage rates of widowed and divorced persons by sex and age, 1951 to 1963, England and Wales

Per 1,000 population in each group by age and condition

		Ma					785					
		Me	H							Women		
All ages	25-	30-	35-	45-	55 and over	Period	All ages	25-	30-	35-	45-	55 and over
						WIDOWED						
31	227	201	148	92	18	1951-55	8	188	118	55	23	3
29 29 28 29 29	217 220 217 268 257	187 176 156 156 170	137 133 129 130 131	83 85 81 81 84	19 18 18 19	1956 1957 1958 1959 1960	7 7 6 7	277 278 220 235 231	141 156 157 195 197	56 54 51 53 55	23 23 22 23 24	3 3 3 3 3
29 28 29	182 207 254	183 162 187	137 133 122	82 83 83	20 19 20	1961 1962 1963	7 7 6	180 182 173	209 188 161	56 58 59	25 25 24	3 3 3
						DIVORCED						
234	397	398	254	178	82	1951-55	137	383	241	135	67	20
191 175 161 160 158	343 346 364 366 385	358 346 336 361 384	212 200 187 190 188	150 131 119 116 116	71 64 59 57 57	1956 1957 1958 1959 1960	116 107 99 97 95	381 361 350 351 368	244 238 239 249 253	122 117 110 111 112	60 58 53 54 51	18 17 16 16 16
157 151 157	411 433 481	407 310 321	197 189 194	108 107 110	52 51 50	1961 1962 1963	94 94 96	405 450 449	269 219 234	109 115 113	51 51 52	15 15 15

Table C22. Proportional age distribution per 1,000 at all ages and average age at remarriage of divorced persons, 1941 to 1963, England and Wales

		ОТ	alvord	ed per	sons,	1941 to	1963,	Englar	na ana	wates	OUT OF THE	
					Age	at rem	arriage					Average
period	Under 25	25-	30-	35-	40-	45-	50-	55 -	60-	65 and over	Not stated	age at remarriage
					I	OIVORCED	MEN					
1941-45 1946-50 1951-55 1956-60	11 12 11 15	78 150 117 118	196- 242 223 194	247 236 206 199	202 168 181 161	135 102 129 140	73 51 75 92	35 23 34 49	15 10 15 20	7 5 9 12	1 1 0 0	40.34 38.16 39.70 40.58
1959 1960 1961 1962 1963	14 16 18 17 20	114 119 126 132 145	192 187 195 197 203	206 198 193 184 180	154 151 156 161 159	137 139 128 122 116	96 98 94 96 89	51 54 52 52 50	23 23 24 25 25	12 14 14 14 13	1 0 0 0	40.79 40.84 40.52 40.50 40.08
					DI	VORCED	WOMEN					
1941-45 1946-50 1951-55 1956-60	30 66 49 57	169 285 213 191	262 251 260 215	229 188 187 196	161 109 137 140	87 60 85 105	37 26 42 57	16 9 17 24	6 4 6 10	1 1 3 4	2 1 1	36.79 34.25 36.09 37.13
1959 1960 1961 1962 1963	57 62 69 72 77	185 191 193 207 216	208 201 204 194 201	200 193 180 174 161	136 139 137 145 141	109 108 107 100 92	62 60 61 60 62	26 28 30 29 29	11 11 11 13 14	5 6 7 5 6	1 1 1 1	37.42 37.33 37.23 37.09 36.85

Table C23. Proportions ever-married implied by continuation of marriage rates of 1951-55 and 1963, England and Wales

(Per thousand)

		(10) chodedhay			
Me	n		Wom	en	
Marriage r	ates of	Age-group	Marriage rates of		
1951-55	1963		1951-55	1963	
6	12	15-19	49	62	
251	302	20-24	528	585	
685	749	25-29	838	879	
844	875	30-34	909	936	
897	913	35-39	931	953	
920	931	40-44	940	960	
930	938	45-49	945	964	

Table C24. Proportions ever-married among men and women, selected years 1881 to 1963, England and Wales

(Per thousand)

			Men ag	ed .							Women a	ged		
15-	20-	25-	30-	35-	40-	45-49	Year	15-	20-	25-	30-	35~	40-	45-49
5	223	609	769	848	878	901	1881	26	335	649	777	834	861	877
4	194	573	753	838	871	896	1891	20	299	606	754	823	850	871
3	174	548	748	824	861	886	1901	16	274	588	745	801	831	858
2	143	508	728	814	852	873	1911	12	243	566	730	790	820	835
4	178	554	769	837	863	876	1921	18	274	590	740	796	821	832
3	139	529	782	863	887	890	1931	18	258	594	751	794	819	832
9	203	617	803	864	888	906	1941	39	402	719	783	801	827	831
9	199	612	798	864	881	891	1946	35	442	713	829	832	836	840
5	229	647	810	867	892	902	1951	42	477	782	855	869	860	848
8	266	681	833	873	896	912	1956	55	539	820	883	889	893	869
10	311	715	845	882	893	910	1961	65	591	857	909	911	912	896
11	316	718	841	888	894	908	1962	68	595	861	913	915	915	902
12	315	721	842	891	896	906	1963	67	589	863	917	919	917	908

Table C25. Married women per 1,000 total female population in each age-group and ratio of proportion to that of 1911 taken as 100, selected years 1911 to 1963, England and Wales

								A	
Year				Age-group				Aggre	egates
1691	15-19	20-24	25-29	30-34	35-39	40-44	45-49	20-39	15-49
		M	arried wome	n per 1,000	total fema	le populati	on		
1911 1931 1938	12 18 23	242 257 328	558 587 643	711 733 733	752 755 771	755 749 768	729 733 736	552 572 623	502 529 566
1946	35	436	696	800	797	784	762	686	626
1951	42	475	769	828	832	812	780	731	666
1956	55	537	812	866	857	845	804	775	697
1959 1960 1961 1962 1963	61 61 65 68 67	567 577 589 592 586	829 843 849 853 854	886 892 897 899 902	871 874 886 891 896	862 868 868 872 875	821 827 832 837 841	794 800 808 810 809	707 710 711 706 702
		Ra (c	tio of prop alculated b	ortion to the efore round	hat of 1911 ing off the	taken as 1	.00 .s)		
1911 1931 1938	100 151 192	100 106 136	100 105 115	100 103 103	100 100 103	100 99 102	100 101 101	100 104 113	100 105 113
1946	294	180	125	113	106	104	105	124	125
1951	354	197	138	116	111	108	107	132	133
1956	459	222	145	122	114	112	110	140	139
1959 1960 1961 1962 1963	513 513 547 566 563	235 239 244 245 243	150 151 152 153 153	125 126 126 126 127	116 116 118 119 119	114 115 115 116 116	113 113 114 115 115	144 145 146 147 147	141 141 142 141 140

Table C26. Quarterly incidence of marriage 1841 to 1963, England and Wales

Donted	Pro	portion per 1,000	marriages in qua	arter ended
Period	March	June	September	December
1841-1850	205	255	239	301
1851-1860	206	252	242	300
1861-1870	205	252	246	297
1871-1880	204	253	245	298
1881-1890	197	257	250	296
1891-1900	184	265	266	285
1901-1910	182	265	280	273
1911-1920	186	263	280	271
1921-1930	170	266	303	261
1931-1935	162	260	317	261
1936-1940	166	253	321	260
1941-1945	212	268	276	244
1946-1950	218	250	303	229
1951-1955	289	206	303	202
1956-1960	296	196	300	208
1959	298	186	302	214
1960	259	212	301	228
1961	243	220	324	213
1962	290	181	310	219
1963	277	181	316	226

55

Table C27. Monthly incidence of marriage, 1947 to 1963, England and Wales

Period	January	February	March	April	May	June	July	August	September	October	November	December	Total for period
						Numbers	of marri	ages					
1947-50	170 000	86 017	172,641	137,984	88,828	151,447	162,258	146,750	162,808	105,026	82,372	154,801	1,531,632
1947 50			322,146	127,251	85,085	149,785		172,504	185,313	114,109	81,472	158,920	1,754,579
1956-60			337,942	111,513	75,702	149,797	147,023	174,825	196,561	136,132	84,203	137,527	1,723,500
1956 1957 1958 1959 1960	13,651 13,894 12,940 15,430* 15,596*	19,898 19,954 20,777 18,972 21,163	73,573* 76,244* 68,912* 67,028	21,113 19,034 21,229 20,121 30,016*	15,529 12,150 17,434* 17,142*	32,179* 34,620* 27,548 26,018 29,432		34,503 38,192* 37,115* 35,601* 29,414	36,683		15,947 18,199* 19,048* 15,548 15,461	32,973* 27,374 26,322 24,627 26,231*	352,944 346,903 339,913 340,126 343,614
1961 1962 1963	12,310 12,345 12,113	18,020 18,568 19,687	54,118 70,012* 65,509*		16,623 13,722 13,943	26,813 32,810* 33,017*		30,822 29,722 36,874*	50,263* 51,807* 47,336	31,897 34,999 38,125	15,899 15,761 19,293*	25,898* 25,298* 22,053	346,678 347,732 351,329
		Ra	tio of da	ily avera	ge for t	he month	to daily	average	for the ye	ar taken	as 1,000		
1947-50	614	734	1,328	1,097	683	1,204	1,248	1,129	1,294	808	655	1,191	1,000
1951-55	522	786	2,163	883	571	1,039	1,166	1,158	1,286	766	5.65	1,067	1,000
1956-60	489	753	2,310	789	518	1,058	1,005	1,196	1,389	933	595	940	1,000
1956 1957 1958 1959 1960	456 472 448 534* 536*			668	520 412 604* 593* 462			1,155 1,296* 1,286* 1,232* 1,011	1,313	709 741 832 1,130 1,254		1,104* 929 912 852 901*	1,000 1,000 1,000 1,000 1,000
1961 1962 1963	418 418 406	678 696 730	2,371*		565 465 467	941 1,148* 1,142*		1,047 1,006 1,235*	1,764* 1,813* 1,638	1,083 1,185 1,277	558 551 668*	880* 857* 738	1,000 1,000 1,000

^{*} These months contained five Saturdays.

DIVORCES

The divorce statistics were discussed in Part III of the Registrar General's Statistical Review of England and Wales for the year 1961. The following tables advance by two years the figures given in Tables XXV to XXX on pages 45 to 53 of that volume and by one year Tables XXI to XXVI on pages 26 to 31 in the corresponding 1962 volume; Table C29 contains the additional information of separate figures for different age-groups introduced in 1962. Further comment will be deferred until a later year.

The number of marriages which would, at certain durations, have been dissolved out of a thousand marriages contracted if the age rates in Table P4 (Statistical Review, Part II, 1963) were to be maintained indefinitely, ignoring the effect of mortality, were:

Age of wife	Duration in years								
at marriage	5	10	15	20					
Under 20 20-24 25-29 30-34 35-39	18 9 6 7 8	74 36 25 26 27	109 54 39 40	136 70 50 -					

The rates in Table C32 are based on the original number of marriages and are therefore lower than the rates based on the true population (i.e., the number of men or women still married). For previously single wives married at ages stated since 1935 the percentage excess of the original marriages (Table G) over the 1963 populations (Table NN), and hence the percentage deficiencies of the rates, were:

Calendar year	Age at marriage								
of marriage	Under 20	20-24	25-29	30-34					
1955-59	-1.6	-0.1	-0.1	0.7					
1950-54	3.7	4.3	4.1	6.0					
1945-49	15.5	10.2	9.6	*					
1940-44	28.4	24.5	*	*					
1935-39	30.1	*	*	*					

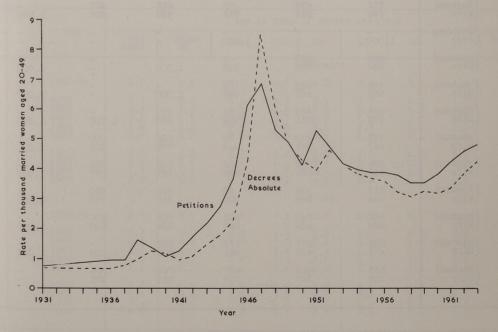
*Not available

Table C28. Dissolutions and annulments of marriage: new petitions filed and decrees made absolute, 1931 to 1963, England and Wales

	Petiti	ons filed	Decrees a	bsolute granted
Year	Number	Per 1,000 married women aged 20-49	Number	Per 1,000 married womer aged 20-49
1931-35*	4,784	0.80	4,011	0.67
1936	5,749	0.92	4,057	0.65
1937	5,903	0.93	4,886	0.77
1938	10,233	1.59	6,250	0.97
1939	8,703	1.33	7,955	1.22
1940	7,086	1.05	7,755	1.15
1941	8,305	1.21	6,368	0.93
1942	12,003	1.72	7,618	1.09
1943	15,385	2.19	10,012	1.43
1944	18,969	2.70	12,312	1.75
1945	25,711	3.65	15,634	2.22
1946	43,163	6.09	29,829	4.21
1947	48,501	6.81	60,254	8.47
1948	37,919	5.28	43,698	6.08
1949	35,191	4.87	34,856	4.82
1950	29,729	4.09	30,870	4.24
1951	38,382	5.23	28,767	3.92
1952	34,567	4.69	33,922	4.60
1953	30,542	4.14	30,326	4.11
1954	29,036	3.93	28,027	3.79
1955	28,314	3.83	26,816	3.62
1956	28,426	3.83	26,265	3.54
1957	27,858	3.74	23,785	3.19
1958	26,239	3.52	22,654	3.04
1959	26,327	3.52	24,286	3.25
1960	28,542	3.80	23,868	3.18
1961	31,905	4.25	25,394	3.38
1962	34,625	4.59	28,935	3.84
1963	36,385	4.83	32,052	4.26

*Annual average.

Diagram 2



Dissolutions and annulments of marriage: new petitions filed and decrees made absolute per 1,000 married women aged 20-49, 1931 to 1963, England and Wales

Table C29. Grounds on which decrees absolute of dissolution were granted by party and age, 1963. England and Wale

Age at date of	Party			G	round			
decree absolute	whom granted	Adultery	Desertion	Cruelty	Unsound Mind	Presumed dead	Others	Tota
			(1)	Numbers				
All ages	{ Husband Wife	8,901 8,561	4,922 5,365	286 5,095	57 35	18 27	39	14,18
Inder 20	{Husband Wife	4	=	11	Ξ	Ξ	-	1
20–24	{Husband Wife	332 720	64 229	3 714		=	7	39
25-29	{Husband Wife	1,741 1,849	591 894	20 1,275		=	7	2,35
30–34	{Husband Wife	1,926 1,750	871 909	33 890	2 3	<u>-</u>	- 5	2,83 3,55
35–39	{Husband Wife	1,636 1,433	808 878	47 757	2 7	1 1	7	2,49
10–44	{Husband Wife	1,352 1,179	740 849	72 634	8 7	2 4	7	2,17
45-49	{Husband Wife	859 805	579 675	45 416	11 5	2 6	- 4	1,49
50-54	{Husband Wife	601 468	524 446	30 262	12 5	2 2	<u>-</u>	1,16
55-59	{Husband Wife	294 229	382 292	20 92	12 3	- 3	<u>-</u>	70
30 and over	{Husband Wife	160 124	363 193	16 44	10	11 10	=	56
		(11) Distrib	ution per 1,000	of each gro	ound, by part	ty		
All ages	{Husband Wife	510 490	478 522	53 947	620 380	400 600	1,000	42 57
Inder 20	{Husband Wife	1,000		1,000	Ξ	_	=	1,00
80-24	{Husband Wife	316 684	218 782	4 996	1,000	_	1,000	193
25-29	{Husband Wife	485 515	398 602	15 985	1,000	=	1,000	36 63:
0-34	{Husband Wife	524 476	489 511	36 964	400 600	1,000	1,000	447
5-39	{Husband Wife	533 467	479 521	58 942	222 778	500 500	1,000	44 55
0-44	{Husband Wife	534 466	466 534	102 898	533 467	333 667	1,000	44 55
5-49	{Husband Wife	516 484	462 538	98 902	688 312	250 750	1,000	43 56:
0 - 54	{Husband Wife	562 438	540 460	103 897	706 294	500 500	1,000	49 ′ 503
5-59	{Husband Wife	562 438	567 433	179 821	800 200	1,000	1,000	533 46'
o and	\[\text{Husband} \]	563 437	653	267 733	769 231	524 476		600

Table C29 - continued

Age at	Party			Gi	round			
date of decree absolute	whom granted	Adultery	Desertion	Cruelty	Unsound Mind	Presumed dead	Others	Total
	(111)	Distribution	per 1,000 to	tal grounds	for each par	ty, by ground		
All ages	{Husband Wife	628 448	347 281	20 266	4 2	1 1	- 2	1,000
Under 20	{Husband Wife	267	Z A	733	= = = = = = = = = = = = = = = = = = = =	=	=	1,000
20-24	{Husband Wife	832 431	160 137	8 427	<u>-</u>	Ξ	- 4	1,000
25–29	{Husband Wife	740 459	251 222	9 317	<u>-</u>	Ξ	- 2	1,000
30–34	{Husband Wife	680 492	307 256	12 250	1 1	<u>_</u>	<u>-</u>	1,000
35-39	{Husband Wife	656 465	324 285	19 246	1 2	0	- 2	1,000
40-44	{Husband Wife	622 439	340 317	33 237	4 3	1 1	- 3	1,000
45-49	{Husband Wife	575 421	387 353	30 218	7 3	1 3	- 2	1,000
50-54	{Husband Wife	514 395	448 377	26 221	10	2 2	<u>-</u>	1,000
55-59	{Husband Wife	415 369	540 471	28 148	17 5	- 5	- 2	1,000
60 and over	{Husband Wife	285 331	648 516	29 118	18 8	20 27	-	1,000

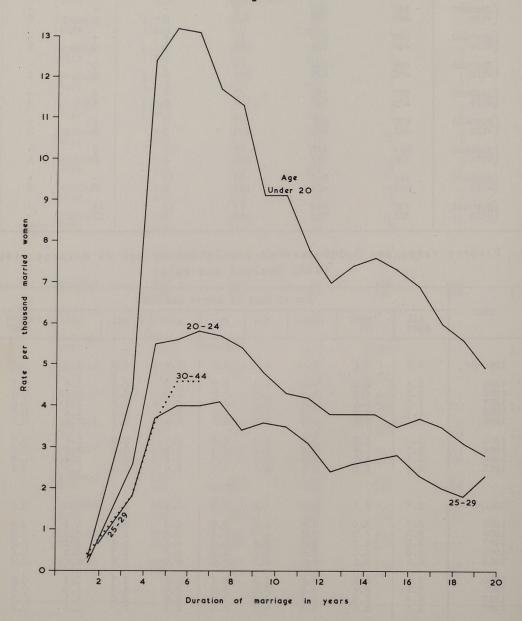
Table C30. Divorce rates per 1,000 married population by age at divorce, 1950 to 1963, England and Wales

			Age	at date	of decr	ee absolu	ite		
Year	All ages	Under 25	25-	30-	35-	40-	45-	50-	60 and over
					Husband	S			
1950-54	2.7	2.1	5.0	5.0	4.3	3.4	2.5	1.4	0.3
1,955 1,956 1,957 1,958 1,959	2.4 2.3 2.1 1.9 2.1	2.0 1.9 1.1 1.0	4.2 4.1 3.6 3.3 3.6	4.4 4.2 3.7 3.5 3.9	3.7 3.5 3.3 3.1 3.2	3.0 3.6 2.6 2.9	2.3 2.3 2.2 2.0 2.1	1.3 1.3 1.2 1.2	0.3 0.3 0.3 0.3
1960 1961 1962 1963	2.0 2.1 2.4 2.6	1.0 1.4 1.7 2.0	3.6 3.9 4.4 5.1	3.8 4.1 4.7 5.1	3.2 3.4 3.7 4.1	2.7 2.8 3.2 3.4	2.0 2.1 2.4 2.6	1.2 1.3 1.4 1.5	0.3 0.3 0.4 0.4
					Wives				
1950-54	2.7	3.1	5.6	4.8	3.8	2.9	2.1	1.0	0.2
1955 1956 1957 1958 1959	2.3 2.0 2.1	3.0 2.9 2.0 2.1	4.6 4.6 4.1 3.8 4.1	4.2 4.0 3.6 3.3 3.7	332.9	2.6 2.3 2.5 2.2 2.5	2.0 1.9 1.8 1.7 1.8	0.9 0.9 0.9 0.9	0.2 0.2 0.2 0.2 0.2
1960 1961 1962 1963	2.0 2.1 2.4 2.6	2.2 2.4 2.8 3.2	4.2 4.5 5.1 5.9	3.5 3.8 4.2 4.7	2.9 3.0 3.4 3.7	2.2 2.4 2.8 2.9	1.7 1.8 2.0 2.3	0.9 1.0 1.1 1.2	0.2 0.2 0.3 0.3

Table C31. Dissolutions and annulments of marriage made absolute, by duration of marriage and marriage age of wife. Rates per 1,000 married women, 1963, England and Wales

Age of wife at					Du	ration	of mai	rriage	e (co	mplet	ed ye	ars)				
marriage	0-2	3	4	5	6	7	8	9	10	11	12	13	14	15-19	20-24	25-29
Under 20 20- 25- 30- 35- 40-44	0.3 0.2 0.3 0.4 0.5 0.4	4.4 2.6 1.8 2.1 1.9 0.8	12.4 5.5 3.7 3.6 4.2 2.8	13.2 5.6 4.0 5.0 4.0 4.6	13.1 5.8 4.0 4.5 4.5 5.1	11.7 5.7 4.1 3.5 4.2	11.3 5.4 3.4 3.4 3.4	9.1 4.8 3.6 3.5 3.6	3.5	7.8 4.2 3.1 2.3 2.2	7.0 3.8 2.4 3.4	7.4 3.8 2.6 2.6	7.6 3.8 2.7 2.3	6.2 3.4 2.2	4.2 2.4	3.5

Diagram 3



Rates of dissolution and annulment of marriage by duration of marriage and marriage age of wife, 1963, England and Wales

Table C32. Divorce rates per 1,000 related marriages by calendar year of marriage and the ages at marriage of both parties in combination, 1963, England and Wales

			and wares			
Age of Wife	600177205 68 8	Ag	ge of husband	at marriage		
at marriage	All ages	Under 20	20-	25-	30-	35 and over
		Persons	s married in	the years 198	55 - 59	
All ages	6.1	16.5	7.3	4.7	4.5	3.2
Under 20	11.9	17.7	11.2	9.3	9.5	12.8
20-	5.4	12.8	5.6	4.4	5.3	6.7
25~	3.8	12.2	4.8	3.1	3.6	4.3
30→	3.8	-	8.7	3.9	3.6	3.3
35 and over	2.9	41.7	11.0	5.9	4.6	2.6
		Persons	s married in	the years 198	50-54	
All ages	4.2	10.6	5.3	3.7	3.2	2.1
Under 20	8.1	11.2	7.9	7.1	8.4	9.8
20-	4.1	9.1	4.3	3.6	3.7	5.5
25-	3.0	8.8	4.2	2.6	2.5	3.0
30-	3.0	36.4	5.0	3.6	2.7	2.7
35 and over	1.6	30.4	8.1	4.8	3.3	1.3
		Person	s married in	the years 19	45-49	
All ages	3.0	7.2	3.9	2.9	2.3	1.2
Under 20	5.9	6.9	5.8	5.5	7.0	5.9
20-	3.2	8.1	3.4	2.8	2.7	3.4
25-	2.2	2.3	2.6	2.1	2.0	2.1
30-	2.0	25.0	3.8	2.7	1.9	1.6
35 and over	0.8	33.3	1.7	3.6	1.6	0.6
		Person	s married in	the years 19	40-44	
All ages	1.9	3.7	2.5	1.7	1.4	0.6
Index 00	F 4	7.0	7 7	7 7	0.0	
Under 20	3.4	3.9	3.3	3.3	2.9	4.4
20-	2.1	3.5	2.3	1.7	2.0	1.9
25-	1.3	1.6	1.9	1.2	0.9	1.2
30 -	1.1	7.9	3.5	1.5	1.2	0.6
35 and over	0.3	-	5.4	1.2	1.0	0.2
		Person	s married in	the years 19	35-39	
All ages	1.3	3.1	2.0	1.2	0.7	0.3
Under 20	3.0	2.7	2.7	3.6	4.3	2.5
20-	1.6	3.7	1.9	1.3	1.3	1.8
25-	0.8	2.9	1.4	0.8	0.5	0.5
30-	0.5	2.9	1.2	0.8	0.3	0.4
35 and over	0.1		0.8	0.8	0.3	0.1
				Districts (-)	

Table C33. Divorce rates per 1,000 related marriages by husband's or wife's age at and marital condition before the marriage and calendar year of marriage, 1963, England and Wales

		1903	, England a	iiu wales			
Colondon woon	Previous		Ag	e at marri	age		
Calendar year of marriage	marital condition	All ages	Under 20	20-	25-	30~	35 and over
				Husbands			
	Single	6.3	16.5	7.3	4.5	3.8	3.1
1955-59	Widowed	2.3	-	19.6	10.0	5.8	2.0
	Divorced	7.0	-	17.0	11.6	9.6	5.3
	Single	4.3	10.6	5.3	3.5	2.7	2.0
1950-54	Widowed	1.3	-	2.5	6.4	3.5	1.1
	Divorced	4.8	-	11.1	8.0	6.5	3.6
	(Single	3.1	7.2	3.9	2.8	2.1	4 77
1945-49	Widowed	0.8	7.2	3.6	4.3	2.4	1.3
1010 10	Divorced	3.2					0.6
	(Divorced	0.2		5.9	5.6	4.0	2.3
	Single	2.0	3.7	2.5	1.7	1.3	0.6
1940-44	{ Widowed	0.5	-	4.0	2.1	2.0	0.3
	Divorced	1.5	-	•	1.5	2.4	1.2
	Single	1.4	3.1	2.0	1.2	0.7	0.5
1935-39	Widowed	0.3	~	2.9	1.8	0.9	0.1
	Divorced	1.1	-	2.9	2.5	1.4	0.9
	(Cinnla	0 ~					
Before 1935	Single	0.7	2.0	1.1	0.5	0.3	0.1
perone 1809	Widowed Divorced	0.1	-	1.4	0.5	0.3	0.0
	(1.0	0.0	0.4
				Wives			
	Single	6.2	11.8	5.3	3.2	2.6	1.7
1955-59	Widowed	3.1	31.2	8.9	6.6	3.3	2.9
	Divorced	7.3	44.4	17.3	10.1	7.8	5.0
	Single	4.3	8.1	4.1	2.6	2.3	1.0
1950-54	Widowed	1.7	0.1	5.2		2.8	1.0
1000 01	Divorced	4.8	-	10.5	3.1 6.2	5.4	1.4 3.2
	(
1045 40	Single	3.0	5.9	3.2	1.9	1.5	0.6
1945-49	Widowed	1.4	•	4.4	2.5	2.4	0.6
	Divorced	3.7	-	6.4	5.1	4.1	2.0
	Single	1.9	3.4	2.1	1.2	0.9	0.3
1940~44	{ Widowed	0.8	-	2.9	3.0	2.3	0.2
	Divorced	2.7	-	8.3	4.0	4.2	1.3
	Single	1.3	3.0	1.6	0.8	0.5	0.1
1935-39	Widowed	0.3		0.7	1.2	0.2	0.2
	Divorced	1.5	-	2.0	3.9	1.9	0.4
	Single	0.7	1.0	0.0			
Before 1935	Widowed	0.7	1.8	0.8	0.4	0.2	0.0
201010 1000	Divorced	0.4		1.2	0.7	0.3	0.0
	(22,02000	0.4		4.7	0.2	0.5	0.2

WIDOWHOOD

The widowhood statistics were discussed in Part III of the Registrar General's Statistical Review of England and Wales for the year 1961. The following tables advance by one year the figures given in Tables XXVII and XXVIII on page 32 of the 1962 volume. Further comment will be deferred until a later year.

Table C34. Percentage of deaths with marital condition not stated,
1961 to 1963, England and Wales

	Men		Annual death		Women	
1961	1962	1963	Age at death	1961	1962	1963
1.2	1.0	0.97	i5 and over	0.11	0.12	0.12
5.5 7.1 5.4 3.4 2.7 2.3 1.8	3.3 4.7 2.9 3.2 2.2 2.0 1.3 1.1	4.4 3.0 3.2 2.7 2.0 1.3 1.1	15- 20- 25- 30- 35- 40- 45- 50-	0.48 1.2 0.25 0.15 - 0.088 0.19 0.19	0.33 0.28 - 0.15 0.18 0.029 0.13 0.15	0.37 0.46 0.23 0.31 0.14 0.14 0.13 0.11
1.0	1.0	0.88	55-	0.19	0.078	0.092
1.2 1.1 1.1 1.1	0.93 0.75 1.0 1.0	0.93 0.85 0.82 0.91	60- 65- 70- 75 and over	0.14 0.16 0.14 0.086	0.18 0.12 0.16 0.10	0.21 0.14 0.14 0.10

Table C35. Widowhood rates, 1959 to 1963, England and Wales

1959	1960	1961	1962	1963	Age of surviving spouse	1959	1960	1961	1962	1963
	Deaths of wives per 1,000 married men							s of hus	bands ed women	
6.7	6.2	6.8	6.7	6.8	15 and over	14.0	12.9	14.2	14.4	14.7
0.4 0.6 0.7 1.1 1.7 2.7 4.3	0.5 0.6 1.2 1.7 2.7 4.3	0.4 0.5 0.6 1.1 1.7 2.8 4.3 7.0	0.4 0.5 0.7 1.1 1.8 2.7 4.3 6.7	0.4 0.6 1.0 1.7 2.8 4.3 6.8	15- 25- 30- 35- 40- 45- 50- 55-	0.8 1.0 1.5 2.6 4.5 7.7 13.0 21.4	0.6 0.8 1.3 2.4 4.2 7.2 12.3 19.8	0.7 1.0 1.4 2.5 4.3 7.6 12.7 20.7	0.7 0.9 1.4 2.5 4.4 7.6 12.9 20.8	0.8 0.9 1.4 2.5 4.5 7.8 13.1 21.1
11.2 18.2 28.7 56.8	17.6	11.3 18.0 28.7 60.0	11.4 17.3 27.9 58.4	11.5 17.5 28.8 59.5	60- 65- 70- 75 and over	32.3 49.0 70.9 109.0	31.4 47.7 66.7 106.1	33.1 50.1 69.7 111.9	33.6 49.0 71.9 113.2	34.1 49.4 72.7 115.3

BIRTHS

Births were fully discussed in the Births Chapter of the 1961 Commentary volume of the Registrar General's Statistical Review (see pages 57-100). The Births Chapter of the 1962 Commentary volume of the Registrar General's Statistical Review (see pages 33-70) contained, in addition to some regular tables, a discussion of the increase in births since 1955 and also a note on the shift from nine months to eight months marriage duration as the conventional limit for pre-marital conceptions. Tables C36 to C49 extend for a further year some of the tables which have appeared in the chapters mentioned above.

Table C36. Live births and birth rates by legitimacy, 1851 to 1963, England and Wales

NE . 1	720	Idea	A11		Legitimate	5.8	Illegitimate
	Total	Live birth rate	live births	Legitimate	live births per 1,000	Illegitimate	live births per 1,000
Year	live births		per 1,000	live births		live births	unmarried
	11.0 011 0110	population	women aged	1110 0110	women aged	1110 011 0110	women aged
			15–44		15-44		15-44
1851-1860	6,471,650	34.1	144.9	6,048,479	281.0	423,171	18.3
1861-1870	7,500,096	35.2	151.0	7,043,090	287.3	457,006	18.2
1871-1880	8,588,782	35.4	153.6	8,161,584	295.5	427,198	15.1
1881-1890	8,890,238	32.4	138.7	8,471,116	274.6	419,122	12.6
1891-1900	9,155,153	29.9	122.7	8,773,351	250.3	381,802	9.6
1901-1910	9,298,209	27.2	109.0	8,927,791	221.6	370,418	8.2
1911-1920	8,096,222	21.8	87.7	7,706,457	173.5	389,765	8.1
1921-1930	7,129,070	18.3	73.9	6,818,295	143.6	310,775	6.3
1931-1935		15.0	61.7	2,891,469	115.2	131,395	5.5
1936-1940	3,041,652	14.7	60.9	2,913,834	107.3	127,818	5.6
1941-1945	3,346,343	15.9	69.3	3,116,516	105.4	229,827	11.4
1946-1950	3,904,666	18.0	80.9	3,690,413	122.5	214,253	11.7
1951-1955	3,377,098	15.2	72.5	3,216,521	105.0	160,577	10.1
1956	700,335	15.6	77.0	666,801	108.2	33,534	11.4
1957	723, 381	16.1	80.0	688,819	111.3	34,562	12.1
1958	740,715	16.4	82.1	704,541	113.6	36,174	12.8
1959	748,501	16.4	83.0	710,340	114.5	38,161	13.5
1960	785,005	17.1	86.7	742,298	119.2	42,707	15.1
1961	811,281	17.5	89.5	762,791	122.1	48,490	17.2
1962	838,736	17.9	90.8	783,360	124.1	55,376	18.9
1963	854,055	18.1	91.1	794,951	124.9	59,104	19.6

Table C37. Change in number of live births, 1951 to 1964, England and Wales

Year	Live births	Per cent change since previous year	Ratio to 1955 (1955 = 1,000)
1951 1952 1953 1954	677,529 673,735 684,372 673,651	- 2.8 - 0.6 + 1.6 - 1.6	1,015 1,009 1,025 1,009
1955 1956 1957 1958 1959	667,811 700,335 723,381 740,715 748,501 785,005	- 0.9 + 4.9 + 3.3 + 2.4 + 1.1 + 4.9	1,000 1,049 1,083 1,109 1,121 1,175
1961 1962 1963 1964	811,281 838,736 854,055 875,972	+ 3.3 + 3.4 + 1.8 + 2.6	1,215 1,256 1,279 1,312

Table C38. Illegitimate maternities and pre-maritally conceived legitimate maternities, 1938 to 1963, England and Wales

77	Pre-maritally extra-man Illegitimate conceived		rnities conceived a-maritally*	Percentage of extra- maritally conceived maternities legiti-	
Year	maternities	legitimate maternities*/	Numbers	Percentage of all maternities	mated by marriage of parents before birth of child
1938	27,440	64,530	91,970	14.4	70.2
1939	26,569	60,346	86,915	13.8	69.4
1940-1944 7	39,542	43,146	82,688	12.4	52.2
1945-1949 7	49,466	52,557	102,023	13.0	51.5
1950	35,816	54,188	90,004	12.8	60.2
1951	33,444	50,477	83,921	12.3	60.1
1952	33,088	44,239	77,327	11.4	57.2
1953	33,083	43,988	77,071	11.2	57.1
1954	32,128	44,319	76,447	11.2	58.0
1955	31,649	43,601	75,250	11.1	57.9
1956	34,113	47,377	81,490	11.5	58.1
1957	35,098	48,611	83,709	11.5	58.1
1958	36,787	49,775	86,562	11.6	57.5
1959	38,792	50,871	89,663	11.9	56.7
1960	43,281	54,576	97,857	12.4	55.8
1961 \$ 1962 \$ 1963 \$	48,490	59,115	107,605	13.3	54.9
	55,376	62,455	117,831	14.0	53.0
	59,104	64,427	123,531	14.5	52.2

^{*}From 1952 onwards the figures relate to women married once only.

*Marriage durations under 8½ months up to 1951, under 8 months thereafter.

*Annual averages.

*The figures relate to live births, i.e. they include multiple births but exclude stillbirths.

Table 039. Legitimate maternity rates for women married once only by age and marriage duration, 1955, 1956 and 1959 to 1963, England and Wales*

					Marria	age dura	ation (c	omplete	ed years)		
Age of mother at birth	Year	All dura- tions	0	1	2	3	4	5–9	10-14	15–19	20-24	25 and over
All ages under 50 {	1955 1956 1959 1960 1961/ 1962/ 1963/	.088 .092 .097 .101 .103 .105	.279 .292 .312 .327 .336 .348	.257 .267 .281 .288 .293 .292 .297	.219 .230 .252 .258 .269 .278 .280	.203 .215 .229 .243 .250 .259 .269	.186 .192 .207 .217 .218 .231 .235	.115 .122 .132 .138 .140 .143 .146	.047 .051 .054 .057 .059 .059	.019 .020 .021 .022 .023 .024	.006 .006 .006 .006 .006	.001 .001 .001 .001 .001 .001
Under 20	1955 1956 1959 1960 1961 / 1962 / 1963 /	.391 .406 .416 .436 .443 .444	.433 .454 .468 .497 .510 .515	.305 .314 .330 .333 .335 .334	.310 .315 .331 .338 .321 .345	.350 .333 .342 .370 .276 .324 .324		-	-	-	-	-
20-24	1955 1956 1959 1960 1961 / 1962 / 1963 /	.249 .259 .267 .272 .276 .281 .284	.269 .277 .288 .296 .299 .306	.273 .283 .292 .297 .301 .301	.238 .250 .269 .270 .281 .292 .293	.233 .245 .251 .262 .267 .275 .287	.221 .229 .232 .240 .238 .252	.207 .217 .213 .214 .214 .212 .215	-	- - - - -	-	
25–29	1955 1956 1959 1960 1961 / 1962 / 1963 /	.171 .180 .188 .196 .198 .201 .203	.243 .247 .270 .287 .292 .304 .303	.244 .255 .268 .276 .288 .282 .290	.217 .226 .248 .258 .267 .273 .277	.203 .216 .230 .246 .256 .264	.194 .199 .217 .227 .229 .240 .247	.143 .152 .159 .164 .166 .168 .169	.102 .113 .121 .130 .132 .129 .130	= = = = = = = = = = = = = = = = = = = =	-	-
30–34	1955 1956 1959 1960 1961 / 1962 / 1963 /	.096 .100 .105 .110 .111 .111	.234 .247 .256 .276 .273 .296 .293	.243 .245 .268 .279 .275 .273 .283	.197 .210 .228 .240 .251 .257 .261	.179 .190 .209 .225 .229 .238 .245	.167 .173 .189 .198 .199 .212 .216	1.104 .110 .119 .126 .127 .129 .130	.063 .066 .072 .076 .078 .077	.062 .063 .061 .061 .064 .067	-	-
35–39	1955 1956 1959 1960 1961/ 1962/ 1963/	.049 .050 .049 .050 .051 .051	.166 .175 .188 .198 .190 .210	.190 .195 .207 .210 .203 .203 .213	.150 .152 .170 .178 .185 .182 .182	.135 .144 .150 .151 .158 .167 .173	.128 .132 .135 .138 .142 .145 .153	.080 .082 .084 .087 .090 .091 .094	.042 .045 .046 .048 .050 .049	.035 .035 .033 .033 .034 .035	.035 .035 .033 .035 .034 .033	
40-44	1955 1956 1959 1960 1961 / 1962 / 1963 /	.014 .014 .013 .015 .015 .015	.055 .054 .067 .076 .076 .076	.066 .075 .074 .081 .083 .085	.052 .059 .059 .069 .064 .068	.050 .049 .057 .057 .062 .060	.046 .042 .046 .056 .054 .057	.030 .030 .031 .035 .034 .035	.016 .017 .017 .020 .021 .020 .019	.012 .012 .011 .013 .013 .014	.011 .010 .009 .011 .010 .010	.008 .008 .007 .007 .007 .007
45–49	1955 1956 1959 1960 1961 / 1962 / 1963 /	.001 .001 .001 .001 .001 .001	.002 .003 .004 .002 .003 .005	.002 .004 .005 .004 .006 .007	.004 .005 .006 .001 .007 .006	.004 .003 .005 .004 .004 .004	.003 .002 .004 .004 .004 .002	.003 .002 .003 .003 .003 .003	.002 .001 .002 .002 .002 .002	.001 .001 .001 .001 .001	.001 .001 .001 .001 .001	.001 .001 .001 .001 .000 .001

^{*}In calculating these rates the few maternities to women whose stated age and marriage duration implied an age at marriage below the legal minimum of 16 have been excluded.

*/Legitimate live birth rates.

Table C40. Gross and net reproduction rates, 1841 to 1963, England and Wales

Year	G.R.R.	N.R.R.	Year	G.R.R.	N.R.R.
1841 1851 1861 1871 1881 1891 1901 1911 1923 1933	3-year averages 2.237 2.264 2.277 2.356 2.252 1.973 1.702 1.428 1.153 0.862	1.349 1.381 1.427 1.511 1.511 1.369 1.238 1.121 0.966 0.756	Individual 1938 1939-49 1950-54 1955 1956 1957 1958 1959 1960 1961 1962 1963	years or annual 0.897 1.031 1.061 1.077 1.146 1.190 1.221 1.230 1.292 1.346 1.378 1.389	averages 0.805 0.945 1.015 1.038 1.107 1.149 1.182 1.190 1.252 1.303 1.336 1.347

Table C41. Fertility rates by age at marriage for selected durations.

Women married once only, for selected periods, 1947-48 to

1962-63, England and Wales

		Period			Duration	of marri	lage (cor	npleted v	rears)		
Age at marriage		of maternity	0	1	2	3	4	5	15	20	25
All ages under 45	-	1947-48 1952-53 1958-59 1959-60 1960-61 1961-62 1962-63	.301 .273 .310 .314 .328 .344 .348	.330 .266 .279 .285 .289 .296	.258 .224 .251 .252 .265 .272 .280	.222 .201 .226 .234 .249 .253 .263	.203 .178 .208 .207 .219 .224 .234	.186 .153 .180 .184 .191 .194 .199	.045 .026 .030 .030 .030 .031	.015 .009 .008 .009 .009 .009	.001 .001 .001 .000 .001
Under 20	-	1947-48 1952-53 1958-59 1959-60 1960-61 1961-62 1962-63	.429 .437 .433 .439 .468 .480	.386 .318 .327 .331 .330 .338 .350	.305 .281 .295 .297 .303 .311 .340	.269 .258 .265 .267 .282 .283 .308	.246 .221 .250 .235 .249 .251 .275	.237 .193 .222 .221 .219 .221 .237	.107 .069 .055 .057 .060 .062	.051 .038 .032 .032 .031 .029	.016 .009 .006 .005 .006 .007
20-24	-	1947-48 1952-53 1958-59 1959-60 1960-61 1961-62 1962-63	.311 .253 .275 .278 .283 .293 .290	.348 .267 .272 .276 .281 .286 .282	.269 .224 .248 .246 .261 .267 .269	.234 .206 .229 .237 .251 .257 .262	.21'7 .185 .214 .216 .226 .232 .239	.199 .162 .189 .192 .201 .204 .204	.054 .032 .034 .033 .033 .036	.018 .011 .008 .008 .009 .009	.001 .001 .000 .000 .000
25–29		1947-48 1952-53 1958-59 1959-60 1960-61 1961-62 1962-63	.272 .227 .275 .277 .292 .304 .285	.317 .257 .272 .280 .289 .293 .282	.245 .216 .247 .251 .264 .274 .261	.205 .185 .222 .231 .248 .249	.187 .173 .200 .196 .208 .215 .210	.164 .155 .165 .172 .179 .184 .179	.025 .012 .012 .012 .013 .014	.004 .001 .001 .001 .001	
30–34	{	1947-48 1952-53 1958-59 1959-60 1960-61 1961-62 1962-63	.191 .217 .247 .264 .265 .275 .270	.277 .240 .250 .257 .261 .270 .257	.205 .190 .212 .206 .218 .223 .227	.170 .160 .162 .177 .183 .191	.143 .130 .142 .138 .150 .152	.121 .101 .107 .112 .119 .121	.006 .002 .001 .001 .001	.000	-
35–39	{	1947-48 1952-53 1958-59 1959-60 1960-61 1961-62 1962-63	.125 .132 .175 .181 .182 .191 .181	.183 .155 .165 .179 .171 .166 .176	.122 .110 .120 .128 .124 .126 .119	.086 .079 .083 .081 .093 .088	.062 .050 .052 .060 .060	.043 .034 .036 .036 .040 .038	•000 •000 - - - - -	-	
40-44	{	1947-48 1952-53 1958-59 1959-60 1960-61 1961-62 1962-63	.038 .039 .055 .053 .071 .070	.051 .033 .035 .045 .045 .050	.030 .025 .021 .020 .024 .024	.016 .007 .013 .011 .011 .013	.008 .006 .005 .006 .008	.005 .003 .002 .002 .001 .002	-	-	

Table C42. Mean family size of selected cohorts since 1929 by age at, and duration of, marriage, England and Wales

Lie et wernten		Cohort			Dura	tion of	marriage	(exact	years)		
Age at marriage		(Year of marriage)	1	2	3	4	5	10	15	20	25
All ages under 45	5	1929 1934 1939 1944 1949 1954 1959 1960 1961	.37 .34 .25 .32 .332 .35 .37 .38	.63 .59 .47 .58 .62 .58 .64 .66	.82 .77 .65 .83 .84 .81 .92	.98 .94 .82 1.05 1.04 1.03 1.18	1.13 1.08 .99 1.24 1.22 1.24	1.65 1.58 1.66 1.79 1.81	1.92 1.92 1.93 2.03	2.05 2.01 2.02 - - - - - -	2.08 2.03
Inder 20	{	1929 1934 1939 1944 1949 1954 1959 1960 1961	.65 .64 .43 .38 .48 .47 .47 .50 .52	.95 .94 .70 .68 .84 .78 .80 .84	1.20 1.18 .93 .96 1.12 1.06 1.12 1.18	1.41 1.38 1.12 1.23 1.38 1.32 1.42	1.60 1.58 1.32 1.46 1.60 1.57	2.37 2.34 2.23 2.18 2.41 -	2.90 3.01 2.71 2.57	3.29 3.29 2.96 - - - -	3.41 3.39 - - - - - - -
20–24	{	1929 1934 1939 1944 1949 1954 1959 1960 1961	.41 .37 .24 .38 .32 .28 .31 .32 .33 .33	.70 .63 .47 .58 .62 .54 .59 .60	.90 .84 .66 .85 .84 .76 .86 .87	1.08 1.02 .84 1.08 1.04 .99 1.12	1.24 1.18 1.03 1.28 1.23 1.20	1.84 1.75 1.78 1.87 1.86	2.17 2.15 2.08 2.14 - - -	2.34 2.28 2.19 	2.37
25–29	{	1929 1934 1939 1944 1949 1954 1959 1960 1961 1962	26 25 20 20 28 28 33 35 36	.50 .48 .40 .55 .56 .54 .62 .64	.68 .65 .57 .79 .76 .76 .89 .90	.83 .80 .74 1.00 .95 .98 1.14	.96 .94 .90 1.17 1.12 1.18	1.40 1.37 1.51 1.66 1.64	1.59 1.61 1.69 1.82 - - - -	1.65 1.65 1.72 - - - -	1.65 1.65
30–34	{	1929 1934 1939 1944 1949 1954 1959 1960 1961 1962	.28 .25 .23 .26 .26 .30 .34 .35 .35	.49 .44 .41 .51 .50 .53 .60 .61	.63 .58 .55 .72 .68 .72 .83 .84	.75 .71 .67 .89 .84 .88 1.02	.84 .80 .80 1.03 .97 1.02	1.11 1.06 1.18 1.33 1.29	1.16 1.14 1.23 1.37	1.16 1.14 1.23 - - - -	1.16 1.14
35–39	{	1929 1934 1939 1944 1949 1954 1959 1960 1961 1962	.28 .26 .19 .20 .21 .23 .27 .27 .28 .27	.40 .40 .31 .37 .40 .44 .44	.50 .49 .38 .49 .48 .50 .57 .56	.54 .55 .45 .58 .55 .58 .65	.58 .59 .50 .63 .61 .63 -	.65 .65 .59 .70 .68 -	.66 .60 .70 -		-
40–44	{	1929 1934 1939 1944 1949 1954 1959 1960 1961 1962	.18 .28 .10 .13 .14 .15 .16 .18 .18	.20 .32 .13 .18 .19 .21 .23 .23	.21 .34 .14 .21 .20 .22 .23 .25	.22 .35 .15 .22 .21 .22 .24	.22 .36 .15 .23 .22 .23	.24 .36 .16 .23 .22 -	.24 .36 .16 .23		-

Table C43. Family size distribution per 1,000 women married once only, by duration of, calendar year of, and age at marriage, England and Wales

	100	ot	marriage	_	411	ages	under	45
10)	V a.G	all	lian I Tage		WIT	agus	midel	-

Duration	Number						Calendar	year of	marriag	е				10000000
marriage (exact years)	liveborn children	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
0 {	0 1 2 3 4 and over	964 32 3 1 1	964 32 3 1	964 32 3 1 1	964 32 3 1	964 32 3 1	964 32 3 1	964 32 3 1	964 32 3 1 1	964 32 3 1	964 32 3 1	964 32 3 1	964 32 3 1	964 32 3 1
1 {	0 1 2 3 4 and over	701 292 6 1	695 298 6 1	694 299 6 1	693 300 6 1	682 310 6 1	672 320 6 1	670 322 6 1	648 343 6 1	654 337 6 1	642 349 7 2 1	629 360 8 2	627 360 9 2 1	
2 {	0 1 2 3 4 and over	490 451 55 3 1	483 457 56 3 1	483 458 55 3 1	486 455 54 3 1	465 477 54 3 1	452 485 58 4 1	451 484 60 4 1	429 500 66 4 1	435 492 68 4 1	420 500 73 4 2	413 501 79 5 2		
3	0 1 2 3 4 and over	386 457 141 14 2	379 463 142 14 2	373 464 146 15 2	372 468 145 14 2	349 485 149 15 2	335 485 161 17 2	338 476 166 18 2	312 488 178 19 2	316 477 184 20 3	301 479 195 21 3	=		
4 {	0 1 2 3 4 and over	316 427 213 39 5	308 432 215 40 6	296 435 223 41 6	294 436 223 42 6	274 447 230 44 6	260 441 245 47 7	260 428 254 51 8	235 437 266 54 8	238 422 274 57 9	-	-		
5	0 1 2 3 4 and over	266 387 265 66 15	255 392 271 68 15	240 394 280 70 16	241 390 280 73 17	224 397 286 76 18	208 389 301 83 19	207 375 310 87 21	182 379 323 94 22	-			= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =
6	0 1 2 3 4 and over	229 348 303 91 28	216 351 309 94 30	202 353 318 97 31	204 346 315 101 33	188 350 320 106 35	172 344 332 114 38	171 328 340 120 41		-	= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =	=	=
7	0 1 2 3 4 and over	203 316 324 113 44	190 317 329 117 46	176 316 339 120 49	179 308 334 126 52	164 313 337 131 55	147 306 347 140 60	=	= = = = = = = = = = = = = = = = = = = =	=======================================	-	= = = = = = = = = = = = = = = = = = = =		=
8	0 1 2 3 4 and over	184 288 336 130 61	173 288 340 135 64	159 286 348 139 68	161 280 342 146 72	148 284 342 150 75	-	-	-	=======================================	-	=		
9	0 1 2 3 4 and over	172 267 340 144 77	160 265 342 150 83	146 263 351 154 86	149 257 343 160 92	-	= = = = = = = = = = = = = = = = = = = =	1	= = = = = = = = = = = = = = = = = = = =	=	= = = = = = = = = = = = = = = = = = = =			
10	0 1 2 3 4 and over	163 250 339 155 92	151 248 340 161 99	137 247 348 164 103	-	= = = = = = = = = = = = = = = = = = = =	=======================================		11111		= = = = = = = = = = = = = = = = = = = =			
11 {	0 1 2 3 4 and over	156 238 336 162 108	145 235 336 169 115		=======================================	= = = = = = = = = = = = = = = = = = = =	-	= = = = = = = = = = = = = = = = = = = =	-		= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =	1.1.1.1	
. 12	0 1 2 3 4 and over	152 228 331 168 121	= = = = = = = = = = = = = = = = = = = =				= = = = = = = = = = = = = = = = = = = =			= = = = = = = = = = = = = = = = = = = =				
10000						* - 2								

(b) Age at marriage - under 20

Duration of	Number					0 5 7 6 6	Calendar	year of	marriag	e				
marriage (exact years)	of liveborn children	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
0 {	0 1 2 3 4 and over	970 28 2 0	970 28 2 0	970 28 2 0 1	970 28 2 0 1	970 28 2 0 1	970 28 2 0	970 28 2 0 1	970 28 2 0 1	970 28 2 0 1	970 28 2 0 1	970 28 2 0	970 28 2 0	970 28 2 0
1 {	0 1 2 3 4 and over	544 450 5 0	536 458 5 0	529 465 5 0	541 453 5 0 1	555 439 5 0	550 444 5 0	553 441 5 0	540 454 5 0	535 459 5 0	507 486 6 0	496 496 7 0	478 512 9 0	
2 {	0 1 2 3 4 and over	317 588 92 2 1	309 596 92 2 1	304 602 91 2 1	317 590 90 2 1	325 583 88 2 1	317 587 93 2 1	322 578 97 2 1	314 577 105 2 1	312 578 106 3 1	287 591 118 3 1	278 586 131 4 1		-
3 {	0 1 2 3 4 and over	216 536 225 22 2	210 545 222 22 2	202 550 225 22 2	214 540 224 21 2	219 534 223 22 2	213 525 236 25 2	220 510 243 25 2	212 506 253 27 2	208 503 259 28 2	180 496 288 33 2		-	
4 {	0 1 2 3 4 and over	154 460 308 70 8	148 468 306 70 8	136 473 313 71 7	151 463 308 70 8	158 454 308 72 8	154 440 322 75 9	159 421 331 80 10	150 419 339 83 10	143 406 350 90 11	-			
5	0 1 2 3 4 and over	114 390 354 116 26	106 396 355 116 27	92 399 363 119 27	109 391 353 120 28	122 382 350 118 28	114 368 362 127 30	119 348 372 128 33	106 340 381 139 34	= = = = = = = = = = = = = = = = = = = =		=		
6	0 1 2 3 4 and over	84 334 378 151 54	76 339 378 152 56	63 340 386 154 57	80° 332 372 156 59	94 327 363 157 59	86 314 374 164 62	89 292 382 170 67	=		=			
7	- 0 1 2 3 4 and over	62 291 384 178 86	56 295 382 179 88	45 292 394 179 90	62 288 373 184 94	75 285 363 184 93	65 271 371 192 100		= = = = = = = = = = = = = = = = = = = =	=======================================	=======================================			
8	0 1 2 3 4 and over	47 256 383 197 117	41 260 381 197 121	31 259 388 201 121	48 257 366 203 126	61 254 354 204 128		_ ``_ `` `	=======================================		= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =		
9	0 1 2 3 4 and over	36 232 374 212 146	30 233 372 212 153	21 234 379 213 153	37 231 354 217 160	- -	=======================================		1		= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =		
10 {	0 1 2 3 4 and over	28 212 365 221 174	23 214 358 225 180	14 214 366 223 183	=======================================		-		11111	-				
11 {	0 1 2 3 4 and over	22 198 352 227 201	16 197 346 231 209				=======================================		= = = = = = = = = = = = = = = = = = = =				1111	
12 {	0 1 2 3 4 and over	18 186 341 230 225	= = =				= = = = = = = = = = = = = = = = = = = =	=======================================	=======================================	= = = = = = = = = = = = = = = = = = = =				111111

(c) Age at marriage 20-24

Duration	Number of				170 50		Calendar	year of	marriag	е		100	oze je	(Section)
marriage (exact years)	liveborn children	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
0 {	0 1 2 3 4 and over	969 28 2 0	969 28 2 0	969 28 2 0	969 28 2 0	969 28 2 0	969 28 2 0	969 28 2 0	969 28 2 0 0	969 28 2 0	969 28 2 0	969 28 2 0	969 28 2 0	969 28 2 0
1 {	0 1 2 3 4 and over	724 270 5 1	720 274 5 1	724 270 5 1	724 270 5 1	713 281 5 1	707 288 5 1	705 289 5 1	698 296 5 1	696 298 5 1	692 302 6 1 0	684 308 7 1 0	689 302 8 1 0	= = = = = = = = = = = = = = = = = = = =
2 {	0 1 2 3 4 and over	505 444 48 3 0	499 449 48 2 0	507 442 48 3 0	516 436 46 3 0	495 456 46 2 0	485 463 49 3 0	483 464 50 3 0	476 466 55 3 0	472 467 57 3 0	465 473 58 3 0	462 474 60 4 1	=	=
3	0 1 2 3 4 and over	393 466 129 12 1	388 471 129 12 1	389 465 133 12 1	393 465 130 12 1	369 482 136 12 1	359 481 145 14 1	361 476 148 14	348 476 159 16 1	343 475 163 16 2	333 483 166 16 2	=======================================	=	=======================================
4	0 1 2 3 4 and over	314 445 204 34 4	307 449 206 34 4	302 446 212 35 4	306 443 211 36 4	284 454 220 36 4	274 447 234 39 5	272 439 241 42 6	259 436 253 45 6	253 433 260 46 7	=	=======================================	=======================================	=======================================
5	0 1 2 3 4 and over	257 409 263 59 12	247 412 268 61 12	239 410 277 62 13	245 400 277 65 13	226 407 287 66 14	213 398 301 73 15	210 390 307 77 17	197 383 322 82 17	=======================================	=======================================	=	=	=======================================
6	0 1 2 3 4 and over	215 369 308 84 24	203 370 314 87 25	194 369 322 89 26	201 357 321 93 27	183 358 333 97 29	170 351 342 106 31	167 341 349 110 32	=======================================	= = =	=======================================		= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =
7 {	0 1 2 3 4 and over	184 334 336 108 38	172 334 341 113 40	164 330 350 115 42	171 317 348 120 44	155 318 357 124 47	141 310 366 134 49		=======================================		=	=	=	
8 {	0 1 2 3 4 and over	163 303 353 127 54	152 302 356 134 57	142 297 365 136 60	150 284 362 142 62	136 285 368 145 66	=======================================	=======================================	=======================================	=	=======================================	=======================================	=	=
9 {	0 1 2 3 4 and over	148 280 360 143 69	137 275 363 151 74	128 271 371 154 77	136 259 366 159 80	=	=======================================	=======================================	. =	=======================================	=			=
10 {	0 1 2 3 4 and over	138 260 361 156 85	127 256 363 164 91	118 251 370 167 94	=======================================	=	=======================================	= = = = = = = = = = = = = = = = = = = =		=======================================	=======================================		=	=======================================
11 {	0 1 2 3 4 and over	130 246 359 166 100	119 240 360 174 106	=======================================	-			= = = = = = = = = = = = = = = = = = = =			=======================================			=======================================
12 {	0 1 2 3 4 and over	124 235 355 173 113		=======================================	= = = = = = = = = = = = = = = = = = = =		=======================================						= = = = = = = = = = = = = = = = = = = =	

(d) Age at marriage 25-29

Duration of	Number of					1 100.083	Calendar	year of	marriag	e		900		
marriage (exact years)	liveborn children	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
0 {	0 1 2 3 4 and over	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1	955 39 4 1
1 {	0 1 2 3 4 and over	736 254 7 1	735 256 7 1	736 254 7 1	734 257 7 1	711 279 7 2 1	704 286 8 2	698 292 8 2 1	688 301 8 1 2	686 302 9 1	675 312 9 2	668 316 11 3 2	692 289 14 4 2	
2 {	0 1 2 3 4 and over	523 428 43 4 2	521 429 43 4 2	523 428 43 4 2	522 429 43 4 2	487 462 44 4 2	480 469 45 4 2	474 472 47 5 2	460 483 50 5	455 484 53 6 1	442 493 56 6 3	451 479 58 8 4		-
3 {	0 1 2 3 4 and over	414 453 117 12 3	412 455 118 12 3	406 455 123 13 3	396 464 124 13 3	368 489 126 14 3	353 492 137 14 4	350 485 145 16 4	333 491 154 17 4	325 491 161 18 5	322 492 163 17 6	-	= = = = = = = = = = = = = = = = = = = =	=======================================
4 {	0 1 2 3 4 and over	340 436 187 30 6	336 438 189 31 6	324 441 197 31 7	311 448 202 34 6	286 463 208 36 7	270 461 221 39 9	266 447 235 43 9	252 448 243 47 10	245 448 248 47 11	-			-
5	0 1 2 3 4 and over	288 403 243 53 14	282 404 248 52 13	265 407 258 55 15	255 406 263 60 15	233 420 269 62 16	216 415 283 67 19	212 398 294 75 20	201 396 303 79 21	=======================================	= = = = = = = = = = = = = = = = = = = =	=		= = = = = = = = = = = = = = = = = = = =
6	0 1 2 3 4 and over	250 369 283 75 23	242 372 288 75 24	226 370 297 80 26	218 366 301 87 28	195 376 308 92 28	179 374 316 96 35	177 355 328 103 36	=======================================	= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =	=======================================		= = = = = = = = = = = = = = = = = = = =
7 {	0 1 2 3 4 and over	223 341 306 96 34	215 341 312 96 36	201 338 321 102 38	192 330 324 112 42	172 341 327 117 43	156 339 334 118 52	= = = = = = = = = = = = = = = = = = = =				= = = = = = = = = = = = = = = = = = = =		-
8 {	0 1 2 3 4 and over	204 318 320 110 47	196 316 325 113 49	183 311 333 120 53	176 302 332 132 58	156 317 334 136 58	=======================================		= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =		
9 {	0 1 2 3 4 and over	191 301 326 122 60	183 297 330 128 63	171 291 339 132 68	165 283 336 144 72	= = = = = = = = = = = = = = = = = = = =	=======================================	=======================================	=======================================	=======================================	=======================================	=======================================		=
10 {	0 1 2 3 4 and over	183 286 328 132 71	174 284 330 136 76	162 279 339 141 79	=======================================			= = = = = = = = = = = = = = = = = = = =		=		-	11111	
11 {	0 1 2 3 4 and over	176 275 328 138 82	168 274 330 142 86		=		= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =		= = = = = = = = = = = = = = = = = = = =		11111	
12 {	0 1 2 3 4 and over	172 269 326 142 90								= = = = = = = = = = = = = = = = = = = =	=======================================			11411
	4 and over	90	-	=		-		Ξ	-	=	-	=	7	-

(e) Age at marriage 30-34

Duration	Number of				A COMMON	W-1882 7	Calendar	year of	marriage	9				The same
marriage (exact years)	liveborn children	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
0 {	0 1 2 3 4 and over	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1	945 40 7 6 1
1 {	0 1 2 3 4 and over	745 236 11 7 2	736 245 11 7 2	740 240 11 7 2	734 246 11 7 2	719 261 11 7 2	703 276 12 7 2	710 270 10 7 2	707 272 12 7 2	693 285 13 7 2	694 283 12 8 3	694 278 15 9 4	706 264 15 9 6	
2 {	0 1 2 3 4 and over	547 397 42 10 3	534 410 43 10 3	540 404 42 10 3	546 400 41 10 3	520 428 39 10 3	501 440 46 9 3	507 434 44 12 3	496 443 48 10 4	486 448 50 11 4	484 447 51 12 6	497 431 51 14 7	=	=
3 {	0 1 2 3 4 and over	461 409 108 17 5	445 422 110 18 5	448 416 113 18 5	448 418 111 18 5	423 437 117 17 5	397 454 124 19 6	410 437 126 20 6	397 442 136 19 7	393 435 140 22 9	387 437 143 22 11		=	
4	0 1 2 3 4 and over	407 387 163 34 9	388 399 168 35	392 395 171 34 8	390 396 170 35 9	369 413 173 36 9	339 425 185 40 11	353 404 190 41 12	342 400 202 42 13	338 396 207 44 16	=			
5 {	0 1 2 3 4 and over	369 361 202 52 16	348 375 209 52 15	352 369 210 53 16	354 365 210 55 17	335 384 205 60 16	304 391 223 63 20	318 370 224 66 22	311 361 239 65 24					
6	0 1 2 3 4 and over	341 343 225 67 24	323 350 234 67 25	328 348 231 68 25	331 340 232 71 27	313 357 224 78 28	280 368 240 79 33	298 342 240 86 34	=======================================	=======================================	= = = = = = = = = = = = = = = = = = = =	=======================================		
7 {	0 1 2 3 4 and over	325 326 236 82 31	308 332 244 82 34	311 334 240 81 35	314 322 244 81 38	298 340 233 89 40	267 348 248 90 46	= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =	=	= = = = = = = = = = = = = = = = = = = =	=======================================	=======================================	
8	0 1 2 3 4 and over	314 313 244 90 39	297 321 249 90 42	301 320 246 88 45	303 313 246 91 48	289 330 233 97 50	=		= = = = = = = = = = = = = = = = = = = =	=======================================			=======================================	
9	0 1 2 3 4 and over	308 305 246 96 45	289 313 251 96 51	295 313 249 91 52	298 304 246 95 56		= = = = = = = = = = = = = = = = = = = =		=======================================	=======================================	= = = = = = = = = = = = = = = = = = = =			=
10 {	0 1 2 3 4 and over	303 301 248 98 50	285 307 252 98 57	291 309 249 94 57									= = = = = = = = = = = = = = = = = = = =	
11 {	0 1 2 3 4 and over	300 299 248 100 54	283 304 252 100 61											
12 {	0 1 2 3 4 and over	299 298 248 100 56			=	= =	=	=	= = = = = = = = = = = = = = = = = = = =	=		=======================================		

(f) Age at marriage 35-39

Duration of	Number of						Calendar	year of	marriag	e			120 (200)	
marriage (exact years)	liveborn children	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
0 {	0 1 2 3 4 and over	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4	935 57 0 3 4
1' {	0 1 2 3 4 and over	810 179 3 2 5	808 180 4 2 5	796 193 4 2 5	796 193 4 2 5	782 207 4 2 5	776 212 5 2 6	774 214 4 2 5	767 221 4 2 5	761 227 4 2 6	768 219 6 2 6	765 217 10 0 8	774 209 10 0 7	=
2	0 1 2 3 4 and over	680 289 22 3 6	681 288 22 3 6	658 309 24 3 6	660 307 23 3 6	648 323 19 4 6	637 325 29 3 6	636 330 24 3 7	617 348 26 5	622 340 26 4 7	633 330 25 4 8	627 330 30 6 8	=======================================	= = = = = = = = = = = = = = = = = = = =
3	0 1 2 3 4 and over	626 302 58 7	630 300 56 7	606 322 58 7 7	600 324 62 7 7	590 338 59 6 7	575 338 70 10	572 342 67 9	561 346 73 12 8	560 353 68 8 11	578 333 70 8 10	-	=	711117
4	0 1 2 3 4 and over	598 295 84 14 9	603 294 81 13 9	575 316 86 14 8	573 313 92 13 9	558 333 85 14 10	546 329 97 18	540 332 96 20 12	536 326 106 20 11	533 342 94 16 14		= = =		=======================================
5	0 1 2 3 4 and over	582 289 98 20 11	587 289 95 18 11	560 311 98 20 11	558 305 105 20 12	542 325 94 26 13	530 320 111 27 13	523 324 106 30 17	519 320 116 31 14	=======================================	= = = = = = = = = = = = = = = = = = = =	=	=	-
6	0 1 2 3 4 and over	574 285 101 25 14	578 285 100 23 14	551 305 104 26 14	549 301 110 26 15	535 316 100 34 15	523 312 115 33 17	514 318 111 38 19	= = = = = = = = = = = = = = = = = = = =		=======================================	= = = = = = = = = = = = = = = = = = = =	=======================================	=
7	0 1 2 3 4 and over	570 282 105 28 15	573 282 102 26 16	548 300 107 28 16	545 296 112 29 18	530 311 103 38 18	518 309 116 36 20		= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =		=======================================	= = = = = = = = = = = = = = = = = = = =	=
8 {	0 1 2 3 4 and over	568 281 105 30 17	571 281 104 26 18	546 299 107 30 19	542 295 113 30 20	529 310 102 39 21	= = = = = = = = = = = = = = = = = = = =	= =		= = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = = =		=======================================	= = = = = = = = = = = = = = = = = = = =
9 {	0 1 2 3 4 and over	567 281 104 30 18	570 280 104 26 20	545 299 106 30 20	542 293 114 29 21	=======================================	-	=======================================	= = = = = = = = = = = = = = = = = = = =	-	-	= =	=======================================	= 1
10 {	0 1 2 3 4 and over	566 280 104 31 18	570 279 104 26 21	545 299 107 29 20		= = = = = = = = = = = = = = = = = = = =		- - - -			-	-	=======================================	=
11 {	0 1 2 3 4 and over	566 281 104 31 18	570 279 103 26 21		=		=	=	=	-	=======================================	=		

Table C44. Mean ultimate family size of marriage cohorts since 1920, by age at marriage, England and Wales

Mean ultimate family sizes that include a projected element of 20 per cent or more are shown below the dotted lines

				Age at marriage			
Year	Under 45	Under 20	20-24	25–29	30–34	35–39	40-44
of narriage	,		Projected	element: fertility		1 0 1	
	1951-55 1962-63	1951-55 1962-63	1951-55 1962-63	1951-55 1962-63	1951-55 1962-63	1951-55 1962-63	1951-55 1962-63
1920 1921 1922 1923 1924	2.47 2.38 2.28 2.23 2.21	3.83 3.75 3.62 3.52 3.60	2.81 2.72 2.62 2.54 2.54	2.04 1.91 1.83 1.83 1.76	1.57 1.45 1.44 1.38 1.35	0.92 0.87 0.85 0.81 0.78	0.41 0.48 0.36 0.32 0.45
1925 1926 1927 1928 1929	2.17 2.14 2.09 2.08 2.08	3.50 3.46 3.42 3.48 3.42	2.51 2.48 2.39 2.36 2.37	1.70 1.67 1.63 1.64 1.65	1.34 1.19 1.27 1.15 1.16	0.81 0.74 0.68 0.67 0.66	0.40 0.37 0.42 0.22 0.24
1930 1931 1932 1933 1934	2.09 2.08 2.08 2.06 2.03	3.40 3.37 3.40 3.36 3.40	2.35 2.35 2.34 2.32 2.30	1.69 1.65 1.64 1.65 1.65	1.17 1.15 1.24 1.23 1.14	0.68 0.69 0.66 0.61 0.66	0.27 0.26 0.25 0.27 0.36
1935 1936 1937 1938 1939	2.04 2.01 2.02 2.06 2.05	3.30 3.31 3.31 3.23 3.22 3.08 3.30	2.32 2.26 2.25 2.26 2.21	1.68 1.67 1.71 1.74 1.73	1.19 1.18 1.20 1.25 1.23	0.54 0.67 0.61 0.67 0.60	0.27 0.20 0.18 0.21 0.16
1940 1941 1942 1943 1944	1.99 2.03 2.08 2.14 2.13 2.18 2.17	2.87 2.86 2.88 2.87 2.86 2.84 2.87 2.84 2.94 2.91	2.13 2.16 2.20 2.25 2.24 2.28 2.27	1.69 1.69 1.72 1.81 1.86	1.20 1.22 1.23 1.31 1.37	0.61 0.66 0.63 0.67 0.70	0.24 0.24 0.24 0.22 0.23
1945 1946 1947 1948 1949	2.17 2.16 2.19 2.18 2.21 2.20 2.22 2.22 2.23 2.23	3.01 2.98 3.13 3.09 3.18 3.14 3.24 3.20 3.27 3.24	2.26 2.25 2.34 2.33 2.32 2.32 2.30 2.30 2.29 2.29	1.89 1.91 1.94 1.91 1.85	1.37 1.37 1.34 1.32 1.34	0.73 0.74 0.71 0.69 0.68	0.25 0.25 0.24 0.23 0.22
*1950 1951 1952 1953 1954	2.29 2.30	3.27 3.27 3.30 3.31 3.29 3.33	2.52 2.55	1.90 1.91 1.94 1.95	1.35 1.37 1.42 1.40 1.41	0.68 0.67 0.67 0.70 0.72	0.22 0.22 0.22 0.22 0.23
1955 1956 1957 1958 1959	2.36 2.43 2.41 2.51 2.42 2.55	3.20 3.31 3.23 3.37 3.23 3.40 3.24 3.45	2.34 2.42 2.37 2.47 2.35 2.49 2.35 2.53 2.32 2.55	2.03 2.15	1.48 1.49 1.54	0.74 0.77 0.79 0.79 0.78 0.80 0.78	
1960 1961 1962 1963	2.41 2.68 2.40 2.72 2.39 2.74	3.24 3.55 3.20 3.58 3.18 3.60	2.28 2.56 2.23 2.56 2.22 2.56 2.18 2.56	1.91 2.17 1.87 2.15	1.48 1.58 1.43 1.58 1.42 1.57 1.36 1.57	0.76 0.79 0.77 0.81 0.74 0.80	

^{*}Family sizes for 1950 have been arbitrarily estimated.

Table C45. Quarterly incidence of live births in relation to the average for the calendar year: ratio of quarterly daily average to that of the calendar year taken as 100, 1841 to 1963, England and Wales

Period	lst Quarter	2nd Quarter	3rd Quarter	4th Quarter
1841-1850	105	103	96	96
1851-1860	105	104	96	95
1861-1870	104	103	97	96
1871-1880	103	102	98	97
1881-1890	103	102	98	97
1891-1900	102	102	99 .	97
1901-1910	102	103	100	95
1911-1920	103	102	99	96
1921-1930	102	105	100	93
1931-1935	101	106	101	92
1936-1940	100	106	102	92
1941-1945	100	104	99	97
1946-1950	103	104	99	94
1951-1955	103	105	99	93
1956-1960	102	103	99	96
1959	105	104	98	93
1960	101	103	100	96
1961	102	103	100	96
1962	103	104	99	94
1963	104	104	99	94

Table C46. Quarterly incidence of live births in relation to the average for the calendar year: ratio of quarterly daily average to that of the calendar year taken as 100, by legitimacy, 1939, 1951-55, 1960 to 1963, England and Wales

	1939	1951-55 average	1960	1961	1962	1963
The second desired to			All live	births		
1st Quarter	1 101	103	101	102	103	104
2nd Quarter	107	105	103	103	104	104
3rd Quarter	100	99	100	100	99	99
4th Quarter	92	93	96	96	94	94
		Leg	gitimate li	ve births		
1st Quarter	1 101	103	101	102	104	104
2nd Quarter	106	105	103	103	104	104
3rd Quarter	100	99	100	100	99	99
4th Quarter	93	93	96	96	94	94
		Ille	egitimate 1	ive births		
1st Quarter	1 106	104	97	97	99	103
2nd Quarter	108	107	103	101	104	104
3rd Quarter	99	98	101	101	98	99
4th Quarter	87	91	99	101	98	95

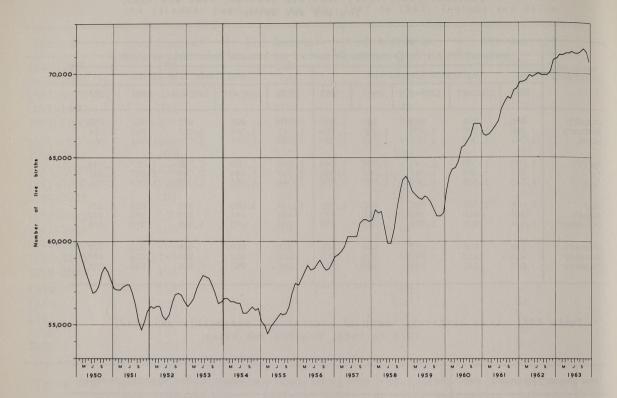
Table C47. Monthly birth incidence in relation to the average for the calendar year, 1939, 1951-55, 1956-60, 1962 and 1963, England and Wales

	Ra	atio of mon	nthly daily	average	e to tha	t of the	calendar y	rear taken	as 1,000)	
Month of occurrence		Legitin	mate live b	oirths			Illegiti	mate live	births		
	1939	1951-55	1956-60	1962	1963	1939	1951-55	1956-60	1962	1963	
January	980	994	986	984	1,001	1,076	998	975	953	988	
February	995	1,030	1,033	1,035	1,028	1,041	1,049	1,026	983	1,019	
March	1,041	1,063	1,071	1,088	1,090	1,080	1,074	1,036	1,041	1,068	
April	1,073	1,056	1,047	1,036	1,042	1,046	1,078	1,036	1,013	1,049	
May	1,078	1,065	1,046	1,056	1,049	1,138	1,084	1,044	1,067	1,062	
June	1,043	1,035	1,009	1,017	1,022	1,044	1,056	1,026	1,054	1,019	
July	1,025	1,009	985	992	1,001	1,038	1,020	988	989	1,000	
August	985	968	963	987	966	960	941	968	980	969	
September	1,004	991	1,005	989	991	969	970	1,009	972	988	
October	939	936	967	940	962	959	890	966	962	907	
November	914	913	934	934	923	853	900	949	1,004	957	
December	927	941	956	945	926	889	950	985	983	981	

Table C48. Live births by month of occurrence, seasonally adjusted, 1950 to 1963, England and Wales

Year	January	February	March	April	May	June	July	August	September	October	November	December
1950 1951 1952 1953 1954	59,900 57,200 56,100 56,100 56,600	57,100 56,000	57,100 56,100 56,600	57,300	57,400 55,500 57,600	57,400 55,300 58,000	56,900 55,600 57,900	56,300 57,800	55,200 56,800 57,400	58,500 54,700 56,900 56,900 56,100	58,200 55,200 56,800 56,300 55,900	57,700 55,800 56,400 56,400 56,000
1955 1956 1957 1958 1959	55,200 57,400 59,100 61,300 63,500		58,200 59,400 61,700	54,900 58,600 59,700 61,800 62,600	58,300 60,300 60,800	58,400 60 ,300 59,900	58,700 60,300 59,900	58,900 60,300 60,700	58,500 61,100 62,000	56,100 58,300 61,300 63,000 61,500	56,900 58,400 61,300 63,700 61,500	57,500 58,700 61,200 63,900 61,700
1960 1961 1962 1963	63,000 66,400 69,500 70,900	63,900 66,300 69,500 71,100	66,400	66,600	66,900	67,200	67,900	69,900	68,600	67,000 68,500 69,900 71,500	67,000 69,000 70,100 71,300	67,000 69,100 70,800 70,700

Note. The original figures for occurrences have been adjusted by removing the estimated regular seasonal fluctuations so that the trend and any random variations are left.



Live births by month of occurrence, seasonally adjusted, 1950 to 1963, England and Wales

Table C49. Male births per 1,000 female births, by legitimacy and whether live or still, 1928 to 1963, England and Wales

		Legitimat	e births		Illegitima	te births
Year	Live	Still	Live and still	Live	Still	Live and still
1928-30	1,044	1,231	1,051	1,037	1,280	1,049
1931-35	1,051	1,207	1,057	1,044	1,153	1,049
1936-40	1,054	1,183	1,059	1,050	1,117	1,054
1941-45	1,061	1,158	1,064	1,074	1,173	1,078
1946-50	1,061	1,169	1,063	1,056	1,238	1,061
1951-55	1,059	1,126	1,060	1,061	1,229	1,066
1956-60	1,060	1,078	1,061	1,055	1,084	1,056
1959	1,063	1,071	1,063	1,069	1,144	1,071
1960	1,061	1,048	1,063	1,048	1,064	1,049
1961	1,062	1,047	1,061	1,063	1,164	1,066
1962	1,060	1,056	1,060	1,058	1,103	1,059
1963	1,056	1,116	1,057	1,046	1,036	1,046

GENERAL MORTALITY

In 1963 the crude death rates per thousand living were 12.8 and 11.6 for males and females respectively, the highest since 1951. The Standardised Mortality Ratios which take into account the "ageing" of the population were also high compared to those for several previous years. Table C52 shows that this increase was confined to the first quarter of 1963 when the cold was unusually severe.

The effect of the 1962-63 cold winter is discussed elsewhere in this Review but it may be mentioned here that the number of deaths assigned to respiratory disease increased from 72,794 in 1962 to 80,065 in 1963 (Table 7, Part I) and that pneumonia accounted for most of this increase.

Mortality figures for peptic ulcer in males and appendicitis in both males and females have been declining in recent years, and in 1963 were lower than in any previous year of the decade. Similarly the number of deaths due to nephritis and nephrosis has continued to fall, the S.M.R. in 1963 being 50 for males and 41 for females (Table 9, Part I).

Notifiable diseases

In 1963 the 247 cases of typhoid fever notified was the highest number for over 10 years. Sixty-eight of these cases had been infected while on holiday in Zermatt, Switzerland. Contaminated water supply was held to be responsible. Among the commoner notifiable diseases, whooping cough notifications increased from 8,348 in 1962, the lowest figure yet recorded, to 34,737. Measles, which has a peak incidence every second year, was notified in 601,255 cases in 1963, this number being quite usual for the year with the higher incidence.

There were only 39 cases of paralytic poliomyelitis in 1963 compared with 212 in 1962 and an average of over 2 thousand annually in 1951-55. Puerperal fever and pyrexia notifications have continued to decrease steadily since 1957, when they totalled 11,834, to 6,486 in 1963. The death rate from tuberculosis also continues to fall steadily so that in 1963 just less than 3 thousand deaths were recorded as due to this disease, almost a third of which were in males over 65 years of age with respiratory tuberculosis. For males over 75 there is as yet no sign of any diminution in mortality from respiratory tuberculosis.

Cancer

The death rate for cancer of the lung continues to increase, 24,434 deaths being caused by this disease in 1963. Although only 3,677 of these deaths were of female patients the proportional increase in the death rate of this condition is at present higher in females, their S.M.R. having increased from 146 in 1962 to 152 in 1963 as against an increase of 161 to 164 in males.

Table C89 shows a slight increase in the death rate from acute leukaemia since it was first tabulated separately in 1958. However there is as yet no evidence of an increase in children and young adults.

Diseases of the circulatory system

Deaths due to diseases of the circulatory system increased in 1963, especially in males, for whom the 108,513 deaths from this cause was just over 3,000 more than in 1962. A large part of this trend in males could be explained by an equal rise in mortality from coronary artery disease of the heart. The following statement shows that the severe winter of early 1963 was responsible for much of the increase in deaths due to this condition.

, 668-1703.1 a.	January	-March	April	-June	July-Se	ptember	October-I	ecember
	М	F	М	F	М	F	М	F
Average deaths 1961-62	17,246	11,297	14,283	8,906	12,730	7,950	16,282	10,432
Deaths 1963	20,538	13,584	15,175	9,440	13,927	8,528	16,200	10,464

Table C90 shows the continued decline in mortality from acute rheumatic fever and chronic rheumatic heart disease. The death rate ascribed to phlebitis and embolism including pulmonary embolism, however, is increasing steadily, especially among females, their crude rate for all ages having increased by 37 per cent between 1960 and 1963. The rates per million in different age-groups are given below. Upward trends in mortality are seen to be most marked in those above 45 years of age. As most fatal embolic illness is either a complication of other diseases or terminal as in carcinoma, this may be due to changes in methods of certification as well as a greater awareness of the condition.

Table C50. Thrombophlebitis and embolism (ICD Nos. 463-466) death rates per million population, by sex and age, 1960 to 1963, England and Wales

A	196	0	196	1	196	2	1963		
Age	М	F	М	F	М	F	M	F	
All ages	57.7	77.4	63.3	89.5	64.1	91.5	73.9	106.1	
0-24	1.08	0.62	0.70	1.09	0.46	0.96	0.68	1.42	
25-44	7.67	11.2	6.25	6.94	10.0	12.2	9.30	11.6	
45-64	70.2	66.3	72.0	75.5	76.7	77.4	88.6	86.1	
65 and over	391.8	402.7	457.1	475.2	448.8	475.5	528.3	559.9	

Infant mortality and stillbirths

The infant mortality rate (deaths under 1 year per 1,000 live births) was 21.1 in 1963, the lowest recorded until then. On the other hand, as at the other extreme of life, many more infant deaths from respiratory disease occurred in 1963 than in 1962. An exception to this was pneumonia of the newborn (under the age of 4 weeks) which caused 679 deaths in 1963 as against 763 in 1962, and appeared to be unaffected by the cold winter of 1963.

Deaths due to spina bifida and meningocele and congenital hydrocephalus taken together decreased from 1,020 in 1962 to 852, this decrease being statistically significant (P<.01).

The mortality from postnatal asphyxia and atelectasis as well as that from immaturity, to which categories about a third of infant deaths were ascribed in 1963, has been falling over the last few years. Part of this may be due to more precise diagnosis.

The stillbirth rate (per 1,000 live and still births) at 17 was also less than in any previous year. Significant decreases in stillbirths caused by maternal toxaemia and eclampsia and difficulties in labour were shown in 1963, and in both the decline has been steady since 1961 when stillbirths were first analysed by cause.

Maternal mortality

Maternal mortality has been decreasing in the last decade and the figure of 243 maternal deaths (complications of pregnancy, childbirth and the puerperium) in 1963 was significantly less than in 1962 when it was 299. Deaths from antepartum and postpartum haemorrhage, toxaemia, prolonged labour and puerperal thrombosis and embolism have decreased in the last decade and, to a lesser extent, those due to puerperal sepsis and all forms of abortion. The most striking decline in mortality was in that ascribed to toxaemia and eclampsia for which the annual number of deaths always exceeded 100 before 1954 but fell to 46 in 1963.

Table C51. Crude annual death rates per 1,000 living, and Standardised Mortality Ratios, 1841 to 1963, England and Wales

Period		eath rate 00 living	Ra	ed Mortality tio* 2 = 100)
	Males	Females	Males	Females
1841-1850	23.1	21.6	320	396
1851-1860	23.1	21.4	313	384
1861-1870	23.7	21.4	319	383
1871-1880	22.7	20.1	308	362
1881-1890	20.3	18.1	281	327
1891-1900	19.3	17.1	268	307
1901-1910	16.4	14.4	221	248
1911-1920	15.1	13.0	187	207
1921-1930	12.9	11.4	142	159
1931-1940	13.0	11.5	125	136
1941-1950	12.5	10.9	104	107
1951-1960	12.3	10.9	96	92
1941	14.0	11.8	124	127
1942	12.5	10.5	109	111
1943	12.7	11.1	109	114
1944	12.6	10.7	106	108
1945	12.3	10.7	103	106
1946	12.2	10.9	101	106
1947	12.9	11.2	106	108
1948	11.5	10.1	93	95
1949	12.3	11.1	99	103
1950	12.3	11.0	98	101
1951	13.4	11.8	106	106
1952	12.2	10.5	96	93
1953	12.2	10.7	96	94
1954	12.2	10.5	95	91
1955	12.5	10.9	97	93
1956	12.5	10.9	96	92
1957	12.3	10.7	94	88
1958	12.4	11.0	95	90
1959	12.3	11.0	94	89
1960	12.2	10.9	92	87
1961	12.6	11.4	96	90
1962	12.6	11.3	96	89
1963	12.8	11.6	98	91

^{*}Civilians only, 1914-1918 and 1939-1949.

Table C52. Abridged life table, 1961-63, England and Wales

M	ales	Age	Femal	es
l_{∞}	ê _x	x	l_{x}	\mathring{e}_{x}
10,000	67.9	0	10,000	73.9
9,760	68.6	1	9,814	74.3
9,744	67.7	2	9,801	73.4
9,735	66.8	3	9,793	72.4
9,728	65.8	4	9,788	71.5
9,722	64.9	5	9,783	70.5
9,699	60.0	10	9,767	65.6
9,679	55.1	15	9,755	60.7
9,635	50.4	20	9,738	55.8
9,582	45.6	25	9,714	50.9
9,535	40.9	30	9,685	46.1
9,477	36.1	35	9,642	41.3
9,391	31.4	40	9,575	36.5
9,251	26.8	45	9,473	31.9
9,007	22.5	50	9,308	27.4
8,594	18.5	55	9,062	23.1
7,895	14.9	60	8,696	19.0
6,841	11.8	65	8,117	15.1
5,456	9.1	70	7,238	11.7
3,842	6.9	75	5,920	8.7
2,221	5.1	80	4,167	6.3
933	3.8	85	2,259	4.6

This abridged life table is constructed from the estimated *home* population in 1961, 1962 and 1963, and the total deaths registered in those years.

The column headed l_{χ} shows, for each sex, the numbers who would survive to exact age x out of 10,000 born who were subject throughout their lives to the recorded age death rates of the period.

Column ℓ_x is the "expectation of life", that is, the average future lifetime which would be lived by persons aged exactly x, if likewise subject to those death rates.

Table C53. Expectation of life at birth and at age I year, 1838 to 1963 England and Wales

			Expectation o	f life at	
From English Life Table	Year	В	lrth	Age :	1 year
		Males	Females	Males	Females
No. 1 2 3 4 5	1841 1838-44 1838-54 1871-80 1881-90	40.2 40.4 39.9 41.4 43.7	42.2 42.0 41.9 44.6 47.2	46.7 47.0 46.7 48.1 51.0	47.6 47.4 47.3 50.1 53.2
6 7 8 9 10	1891-1900 1901-10 1910-12 1920-22 1930-32	44.1 48.5 51.5 55.6 58.7	47.8 52.4 55.4 59.6 62.9	52.2 55.7 57.5 60.1 62.3	54.5 58.3 60.3 63.0 65.5
11	1950-52	66.4	71.5	67.7	72.4
From annual Abridged Life Tables	1943 1944 1945 1946 1947	61.6 62.2 62.6 64.5 64.5	67.3 68.3 68.8 69.4 69.3	64.1 64.4 65.0 66.8 66.6	69.3 70.1 70.6 71.0 70.9
	1948 1949 1950 1951 1952	66.4 66.0 66.5 65.8 67.1	71.2 70.6 71.2 70.9 72.5	68.0 67.5 67.8 67.1 68.2	72.3 71.7 72.1 71.7 73.2
	1953 1954 1955 1956 1957	67.3 67.6 67.5 67.8 67.9	72.5 73.1 73.0 73.3 73.6	68.4 68.6 68.5 68.6 68.7	73.3 73.7 73.6 73.8 74.1
	1958 1959 1960 1961 1962	68.0 68.1 68.3 68.0 68.0	73.7 73.8 74.1 73.8 73.9	68.7 68.8 69.0 68.7 68.7	74.2 74.3 74.6 74.2 74.3
	1963	67.8	73.8	68.5	74.2

Table C54. Annual death rates per 1,000 living, by quarters, in each year 1953 to 1963, with ratios to each yearly rate taken as 100, England and Wales

		Death rate	e per 1,000 li	ving	Ratio to yearly rate taken as 100						
	March	June	September	December	March	June	September	December			
1953	15.8	10.4	8.9	10.7	139	91	78	94			
1954	14.0	10.6	9.3	11.4	124	94	82	101			
1955	15.4	11.2	9.1	11.1	132	96	78	95			
1956	15.3	10.8	9.3	11.3	131	92	79	97			
1957	12.2	10.6	9.7	13.4	106	92	84	117			
1958	14.7	11.0	9.3	11.7	126	94	79	100			
1959	15.8	10.6	9.0	11.1	136	91	78	96			
1960	13.1	10.9	9.8	12.2	114	95	85	106			
1961	15.5	10.9	9.5	11.9	130	92	80	100			
1962	15.5	11.1	9.4	11.9	130	93	79	100			
1963	17.0	- 11.0	9.6	11.2	139	90	79	92			

Table C55. Average annual death rates per 1,000 living, by sex and age, 1841 to 1963, England and Wales

					Mal	es								Fema	les			
	Allages	0-*	1-	5-	15-	25-	45-	65 -	85 and over	Allages	0-*	1-	5-	15-	25-	45-	65-	85 and over
1841-1850 1851-1860 1861-1870 1871-1880	23.1 23.1 23.7 22.7	167 168 168 163		7.24 6.79 6.43 5.29	8.23 7.71 7.26 6.24	11.2 10.9 11.5 11.3	23.6 23.2 24.8 26.1	89.6 86.8 87.7 90.2	312.3 308.2 315.0 327.4		137 139 139 134		7.27 6.84 6.25 5.05	8.50 7.98 7.30 6.12	11.6 10.9 10.7 9.92	21.1 20.1 20.6 21.0	82.4 80.0 79.8 80.9	293.3 288.9 285.1 296.4
1881-1890 1891-1900 1901-1910 1911-1920	20.3 19.3 16.4 15.1	155 168 140 112		4.20 3.40 2.80 2.93	4.97 4.38 3.61 4.16	9.79 8.82 7.16 7.05	25.5 25.2 22.3 20.2	89.4 89.4 82.7 81.4	305.8 286.8 279.2 274.5	18.1 17.1 14.4 13.0	128 138 114 89		4.23 3.49 2.91 2.97	4.97 4.06 3.20 3.53	8.76 7.58 5.60 5.54	20.6 20.3 17.5 15.2	78.9 79.5 71.6 67.6	270.8 261.4 250.3 243.6
1921-1925 1926-1930 1931-1935 1936-1940	12.9 12.9 12.7 13.3	86 77 70 62	6.88 5.00	2.10 2.06 1.84 1.60	3.06 2.93 2.81 2.64	5.24 4.84 4.23 3.95	16.9 17.0 16.6 17.3	76.2 76.3 75.1 76.2	272.7 298.1 278.9 286.3	11.4 11.4 11.4 11.6	66 59 54 48	6.23 4.40	2.05 1.90 1.71 1.40	2.83 2.67 2.51 2.17	4.26 3.97 3.67 3.22	12.8 12.4 11.9 11.5	64.0 62.5 61.0 60.1	241.2 254.4 245.0 252.7
1941-1945 1946-1950 1951-1955 1956-1960	12.8 12.2 12.5 12.3	56 41 30 25	3.72 1.90 1.23 0.99	1.44 0.79 0.52 0.44	2.99 1.42 1.05 1.00	3.72 2.58 2.05 1.82	15.7 14.5 13.9 13.5	69.0 69.9 75.5 74.1	226.1 241.6 265.9 239.2	10.9 10.9 10.9 10.9	44 32 23 20	3.26 1.62 1.04 0.82	1.13 0.59 0.37 0.30	1.98 1.29 0.60 0.45	2.84 2.17 1.60 1.34	9.86 8.79 8.02 7.43	52.6 52.1 51.9 49.4	206.6 208.9 222.0 212.5
1956 1957 1958 1959 1960	12.5 12.3 12.4 12.3 12.2	27 26 25 25 25	0.98 1.04 0.99 1.00 0.95	0.43 0.46 0.44 0.43 0.45	0.93 1.03 0.95 1.03 1.03	1.85 1.86 1.81 1.79 1.79	13.5 13.7 13.5 13.5 13.4	75.8 73.5 75.1 73.9 72.4	256.2 226.8 242.6 240.0 232.1	10.9 10.7 11.0 11.0	20 20 20 20 20	0.83 0.90 0.77 0.81 0.78	0.30 0.32 0.27 0.31 0.30	0.45 0.49 0.45 0.44 0.40	1.40 1.41 1.32 1.30 1.25	7.55 7.59 7.45 7.34 7.23	51.0 48.7 49.9 49.3 48.1	222.7 199.2 215.6 215.4 210.4
1961 1962 1963	12.6 12.6 12.8	24 24 24	1.04 0.94 0.98	0.43 0.43 0.44	1.01 1.00 0.99	1.80 1.75 1.80	13.8 14.0 14.4	75.3 75.7 77.3	256.9 261.1 272.8	11.4 11.3 11.6	19 19 19 19	0.81 0.77 0.83	0.28 0.28 0.28	0.45 0.41 0.39	1.27 1.29 1.29	7.42 7.45 7.58	50.2 49.5 50.4	214.1 213.8 220.2

^{*} Per thousand live births; related live births from 1931 to 1956.

Table C56. Deaths, death rates per million living, and Standardised Mortality Ratios (1950-52 = 100), from selected causes, by sex, 1954 to 1963, England and Wales

					En	gland an	d Wales				
		1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
					A11	causes				1	
Deaths	{M F	259,797 242,099	266,976 251,888	267,904 253,427	266,407 248,463	270,639 256,204	269,878 257,773	269,172 257,096	280,782 270,970	285,154 272,482	292,410 280,458
Rate	$\left\{ _{F}^{M}\right.$	12,204 10,532	12,482 10,927	12,451 10,947	12,306 10,682	12,447 10,965	12,332 10,969	12,196 10,855	12,561 11,361	12,584 11,330	12,806 11,592
S.M.R.	$\left\{ _{F}^{M}\right.$	95 91	97 93	96 92	94 88	95 90	94 89	92	96 90	96 89	98 91
				Tuberc	ulosis, a	11 forms	(001-019)				
Deaths	$\begin{cases} M \\ F \end{cases}$	5,392 2,505	4,533 1,959	3,804 1,571	3,414 1,370	3,207 1,273	2,810 1,044	2,502	2,406 928	2,282 806	2,191 769
Rate	$\left\{ _{F}^{M}\right.$	253 109	212 85	177 68	158 59	147 54	128 44	113 39	108 39	101 34	96 32
S.M.R.	{M ⟨F	62 52	52 41	43 33	38 28	36 26	31 21	27 19	26 19	24 16	23 15
				All ma	lignant n	eoplasms	(140-205)				
Deaths	{M ⟨F	47,313 42,782	48,160 43,180	48,935 43,775	50,056 43,961	50,735 45,069	51,783 45,334	52,779 46,009	53,441 46,474	54,735 46,873	55,192 47,224
Rate	${M \atop F}$	2,223 1,861	2,252 1,873	2,274 1,891	2,312 1,890	2,333 1,929	2,366 1,929	2,391 1,943	2,391 1,948	2,416 1,949	2,417 1,952
S.M.R.	$\begin{cases} M \\ F \end{cases}$	103 98	104 98	105 97	106 96	106 97	107 97	108	108 96	110 96	111 96
				Maligna	nt neopla	sm of sto	mach (151)			
Deaths	$\begin{cases} M \\ F \end{cases}$	7,818 6,232	7,942 6,146	7,712 6,163	7,951 5,966	7,934 6,178	7,930 6,146	7,846 6,107	7,784 6,004	7,722 5,874	7,744 5,937
Rate	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	367 271	371 267	358 266	367 257	365 264	362 262	356 258	348 252	341 244	339 245
S.M.R.	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right $	95 92	95 90	91 89	93 84	92 85	91 83	88 81	87 79	86 76	86 76
								ng (162,			
Deaths	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	13,941 2,323	14,761 2,438	15,544 2,553	16,358 2,670	17,040 2,780	18,181 2,882	18,882 3,118	19,460 3,350	20,278 3,501	20,757 3,677
Rate	{M F	655 101	690 106	722 110	756 115	784 119	831 123	856 132	871 140	895 146	909 152
S.M.R.	{M F	122 107	128	133 115	138 118	142 121	149 124	153 132	156 141	161 146	164 152
				Malign	ant neopl	asm of br	east (170)			
Deaths	$\begin{cases} M \\ F \end{cases}$	80 8,315	77 8,449	69 8,522	70 8,552	73 8,949	62 8,708	63 9,059	9,286	79 9,351	70 9,442
Rate	$ \begin{cases} \mathtt{M} \\ \mathtt{F} \end{cases} $	4 362	4 367	3 368	3 368	3 383	3 371	3 382	4 389	3 389	3 390
S.M.R.	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right $	125 100	119 100	105 100	105 99	109 101	92 97	92 100	118 102	114 102	101 102
			,	Malignant	neoplasm	of uteru	s (171-17	4)			
Deaths	F	3,827	3,844	3,921	3,912	4,115	4,003	4,088	3,981	4,015	3,969
Rate	F	166	167	169	168	176	170	173	167	167	164
S.M.R.	F	91	90	91	89	93	89	90	87	87	85

Table C56. continued

		1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
		1004	1000		mia and a			2000			
Deaths	{ M F	1,142 1,018	1,223	1,229	1,301 1,093	1,301	1,315 1,219	1,476 1,218	1,408 1,237	1,392	1,511
Rate	{M F	54 44	57	57 47	60 47	60 46	60 52	67 51	63 52	61 55	66 55
s.M.R.	∫ M F	110	117	116 115	122 115	121 113	121 125	134 124	127 125	124 131	133
	\ 1	1 110	107		abetes me					1 101	1 101
Deaths	$\left\{ \begin{smallmatrix} M\\ F \end{smallmatrix} \right.$	1,048 1,980	1,084 2,207	1,108 2,134	1,013 2,124	1,152 2,163	1,100 2,093	1,193 2,366	1,331 2,538	1,330 2,481	1,371 2,433
Rate	{M F	49 86	51 96	51 92	47 91	53 93	50 89	54 100	60 106	59 103	60 101
S.M.R.	{ M F	87 78	89 86	90 82	81 80	92 80	87 77	93 85	103 90	103 87	105 84
		l Va	ı ıscular le	sions aff	ecting ce	ntral ne	rvous sys	l tem (330-3	334)		
Deaths	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	30,516 41,626	31,098 43,054	31,034 43,453	30,537 43,132	31,298 44,879	30,897 44,253	31,006 45,216	31,160 45,863	31,673 46,624	32,264 48,076
Rate	{ M F	1,433 1,811	1,454 1,868	1,442	1,411 1,854	1,439 1,921	1,412 1,883	1,405 1,909	1,394 1,923	1,398 1,939	1,413 1,987
S.M.R.	{M F	104 100	105 101	104 100	100 97	102	100	99 96	99 96	100 97	102
			Dise	ases of t	he circul	atory sy:	stem (400-	-468)			
Deaths	{ M F	94,637 91,331	96,704 95,222	98,065 95,470	95,784 92,566	99,907	96,306 95,526	100,244 98,319	102,364	105,466 102,857	108,513
Rate	{M F	4,446 3,973	4,521 4,131	4,558 4,124	4,425 3,980	4,595 4,183	4,401 4,065	4,542 4,151	4,579 4,293	4,654 4,277	4,752 4,344
S.M.R.	{M F	97 90	98 92	99 91	95 86	98 89	94 85	96 86	98 88	100 87	103 88
				Arteriosc	lerotic h	eart dis	ease (420)			
Deaths	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	42,919 24,925	44,857 26,813	47,476 28,300	48,266 28,910	52,085 31,956	52,193 32,729	56,514 35,447	58,396 37,379	62,686 39,792	65,840 42,016
Rate	{M F	2,016 1,084	2,097 1,163	2,206	2,230 1,243	2,395 1,368	2,385 1,393	2,561 1,497	2,612 1,567	2,766 1,655	2,883 1,737
S.M.R.	{M F	112 108	116 115	121	122 119	129 129	128 130	137 138	141 144	150 151	156 158
			Dise	ases of t	he respir	atory sy	stem (470	-527)	1		
Deaths	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	31,090 20,056	35,381 23,345	36,080 24,428	37,939 24,066	37,024 23,784	40,756 27,796	34,833 22,122	43,372 29,732	42,923 29,871	46,870 33,195
Rate	$\left\{ egin{matrix} M \\ F \end{array} \right.$	1,460 873	1,654 1,013	1,677 1,055	1,753 1,035	1,703	1,862 1,183	1,578 934	1,940 1,247	1,894	2,053 1,372
S.M.R.	${M \atop F}$	83 71	94 81	95 83	98 80	96 79	104 91	88 71	109 94	107 93	116 102
					Influenza	4 (480–48	3)				
Deaths	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	878 933	1,460 1,523	1,272 1,354	3,553 3,163	1,216 1,185	3,898 3,964	553 545	3,487 3,615	1,511	1,442
Rate	{M F	41 41	68 66	59 58	164 136	56 51	178 169	25 23	156 152	67 75	63 73
S.M.R.	{M F	25 23	42 37	36 33	99 74	34 27	107 90	15 12	94 79	40 39	38 38

Table 050.	007	itinueu								-	
		1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
	i de la compani				1	490–493,					
Deaths	{M F	9,750 9,126	11,101 10,715	11,671 11,549	12,074 11,488	12,311 12,264	13,648 13,692	12,269 12,806	14,513 15,466	14,942 16,730	17,346 19,396
Rate	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	458 397	519 465	542 499	558 494	566 525	624 583	556 541	649 648	659 696	760 802
S.M.R.	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	90 90	102 104	107	109	110 112	121 123	107 113	125 134	127 143	147 163
					Bronchiti						
Deaths	{ M F	17,163 8,625	19,318 9,675	19,890	18,956 8,141	20,326 9,070	20,193	18,997 7,488	22,203 9,160	23,351 9,942	24,832 10,500
Rate	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	806 375	903 420	924 433	876 350	935 388	923 377	861 316	993 384	1,031 413	1,088 434
S.M.R.	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	86 68	96 76	98 77	92 61	98 68	96 65	89 54	104 65	108 69	114 72
			ι	Jicer of	stomach a	nd duoden	um (540,	541)			
Deaths	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	4,011 1,467	3,975 1,542	3,778 1,564	3,568 1,461	3,425 1,473	3,090 1,473	3,165 1,540	2,950 1,455	3,095 1,597	2,799 1,542
Rate	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	188 64	186 67	176 68	165 63	158 63	141 63	143 65	132 61	137 66	123 64
S.M.R.	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	96 107	94	89 111	83 101	79 101	70 99	71 102	66 95	68 103	62 99
				A	ppendicit	is (550-5	53)				
Deaths	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	547 422	485 360	522 331	497 302	462 328	430 271	367 271	361 284	347 259	299 257
Rate	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	26 18	23 16	24 14	23 13	21 14	20 12	17 11	16 12	15 11	13 11
S.M.R.	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	80 82	70 69	75 63	71 57	65 61	60 50	51 49	49 51	47 46	40 45
				Nephri	tis and n	ephrosis	(590-594)				
Deaths	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	2,645 2,453	2,448 2,294	2,554 2,125	2,250 1,945	2,158 1,920	1,923 1,762	2,005 1,709	1,866 1,632	1,769 1,654	1,695 1,484
Rate	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	124 107	114 100	119 92	104 84	99 82	88 7 5	91 72	83 68	78 69	74 61
S.M.R.	{ M F	83 76	76 70	79 64	69 58	66 57	58 51	60 49	55 46	52 46	50 41
			Acci	dents, po	isonings	and viole	nce (E800-	-E999)			
Deaths	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	12,630 8,239	12,932 8,537	12,992 8,878	12,858 8,703	13,343 9,113	13,456 9,379	13,503 9,619	13,654 9,660	13,812 10,085	14,074 10,549
Rate	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	593 358	605 370	604 383	594 374	614 390	615 399	612 406	611 405	610 419	616 436
S.M.R.	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	103 112	105 115	105 118	103 113	106 117	106 119	105 120	105 119	105 122	106 127
			Мо	tor vehic	le traffi	c acciden	ts (E810-	E825)			
Deaths	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	3,289 1,158	3,552 1,256	3,655 1,284	3,608 1,219	3,966 1,400	4,345 1,607	4,676 1,881	4,669 1,875	4,451 1,779	4,522 1,754
Rate	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	155 50	166 54	170 55	167 52	182 60	199 68	212 79	209 79	196 74	198 72
S.M.R.	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	104 109	112 118	115 119	112 111	123 127	133 144	142 166	140 164	131 154	132 150

Table C56. continued

		1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
	Acc	idents in	the home	and resi	dential i	nstitutio	ns (E870.	0 and 7-	E936.0 an	d .7)	
Deaths	{M F	2,452 4,165	2,424	2,516	2,419 4,248	2,559	2,519 4,491	2,478 4,552	2,481 4,401	2,818 4,809	2,978 5,046
Rate	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	115 181	113 183	117 190	112 183	118 190	115 191	112 192	111 185	124 200	130 209
s.M.R.	{ M F	127 118	125 118	129 120	122 113	128 116	125 115	121 114	120 108	135 117	141 121
			Sui	cide and	self-infl	icted-inj	ury (E97 0	-E979)			
Deaths	{M F	3,178 1,865	3,060 1,940	3,198 2,084	3,170 2,145	3,175 2,123	3,116 2,091	3,058 2,054	3,025 2,175	3,264 2,324	3,307
Rate	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	149 81	143 84	149 90	146 92	146 91	142 89	139 87	135 91	144 97	145 99
S.M.R.	${M \choose F}$	110 115	105 119	109 126	107 129	106 127	104 124	101 121	99 127	105 135	108 140

Death rates per 1,000 living, by sex and age, and Standardised Mortality Ratios (all ages) Table C57. in standard regions, conurbations and urban and rural aggregates within regional groups, and hospital regions, 1963, England and Wales

				Mal	8						Fema	les		
	All ages	0-	5-	15-	45-	65 and over	S.M.R.	All ages	0-	5-	15-	45-	65 and over	S.M.R.
ENGLAND AND WALES	12.8	5.97	0.44	1.52	14.4	86.0	100	11.6	4.67	0.28	0.97	7.58	61.6	100
Urban and rural aggregates: Conurbations	12.7	6.59	0.41	1.56	15.3	88.3	105	11.5	5.05	0.28	1.01	7.64	62.2	101
Areas outside conurbations: Urban areas with populations	47.0				45.4	00 7	400	44.0	4 00	0.00	4.04	77.04	94.0	102
of 100,000 and over Urban areas with populations of 50,000 and under 100,000	13.2	6.46 5.80	0.48	1.49	15.4	89.7	106	11.8	4.86	0.27	0.93	7.94	61.9	96
Urban areas with populations under 50,000	13.5	5.44	0.44	1.51	14.3	87.0	99	12.2	4.62	0.29	0.94	7.57	61.8	100
Rural districts NORTH OF ENGLAND	12.0	6.69	0.48	1.48	12.4	79.3	90	11.1	4.16 5.19	0.28	1.05	8.27	63.4	107
Standard regions: Northern East and West Ridings North Western	13.0 13.3 13.8	6.02 6.66 7.05	0.47 0.50 0.43	1.62 1.63 1.69	16.3 15.3 16.8	88.0 88.2 90.9	106 105 111	11.1 11.7 12.2	4.80 5.43 5.24	0.25 0.27 0.31	1.06 0.97 1.09	8.32 8.03 8.39	63.6 62.5 63.9	107 104 108
Conurbations: Tyneside West Yorkshire South East Lancashire Merseyside	13.6 13.5 14.1 13.6 12.8	7.09 6.13 7.02 7.50 7.07	0.44 0.38 0.55 0.48 0.29	1.66 1.60 1.68 1.72 1.58	17.2 17.7 16.8 17.0 17.8	91.8 92.2 91.1 91.0 93.7	113 112 111 113 115	12.1 11.1 13.0 12.3 11.0	5.42 4.47 5.62 5.54 5.55	0.27 0.20 0.26 0.32 0.26	1.05 1.15 0.98 1.10 1.00	8.37 8.47 8.56 8.48 7.85	64.7 63.4 65.6 65.0 63.5	109 108 110 110 105
Areas outside conurbations: Urban areas with populations of 100,000 and over	13.7	7.12	0.48	1.59	16.4	91.0	110	11.7	5.21	0.31	1.09	8.28	61.1	104
Urban areas with populations of 50,000 and under 100,000	13.4	6.72	0.37	1.70	16.3	90.4	109	11.5	5.11	0.23	1.06	8.36	61.7	105
Urban areas with populations under 50,000	14.0	6.08	0.51	1.69	15.6 14.0	89.2	106	12.0	5.03	0.32	1.01	8.13	62.8	105
Rural districts WALES AND MIDLANDS	12.3	5.82	0.45	1.55	14.7	85.9	101	10.7	4.82	0.27	0.96	7.56	61.3	101
Standard regions: Wales North Midland Midland	14.3 11.9 11.6	6.67 5.69 5.84	0.47 0.39 0.48	1.70 1.49 1.53	16.4 13.3 14.8	89.4 82.6 86.3	108 94 102	11.9 10.6 10.2	5.37 4.35 4.89	0.27	0.98	8.11 7.27 7.45	63.5 60.1 61.0	106 97 100
Conurbation:									5.19	0.25	1.08	7.48	61.1	102
West Midlands	11.6	6.29	0.44	1.56	15.6	88.1	107	10.1	1 0.10	10.20	1 2.00			"
								5						
Areas outside conurbations: Urban areas with populations of 100,000 and over	12.8	6.64	0.49	1.54	16.0	89.8	109	11.3	5.18	0.29	0.99	8.03	62.9	105
Urban areas with populations of 50,000 and under 100,000 Urban areas with populations	12.4	6.50	0.32	1.48	15.1	88.3	104	10.2	4.15	0.27	0.89	7.37	60.1	98
under 50,000 Rural districts	13.1 11.8	5.63 5.48	0.41	1.54 1.59	14.7 12.8	88.0 79.4	101 92	11.5	4.94 4.36	0.27	0.93	7.67	62.6 59.4	102 96
SOUTH AND EAST OF ENGLAND (excluding Greater London)	12.7	5.03	0.45	1.36	12.7	83.1	92	12.2	3.98	0.29	0.92	7.16	60.7	95
Standard regions: London and South Eastern														
(excluding Greater London) Southern South Western	14.3 11.8 13.6 11.5	5.09 5.34 5.28 4.56	0.49 0.43 0.38 0.48	1.42 1.27 1.44 1.31	12.7 12.9 13.4 12.0	82.2 82.3 84.7 82.8	91 92 95 90	13.9 11.4 12.9 10.8	4.09 4.35 4.12 3.53	0.34 0.30 0.26 0.27	0.91 0.94 0.96 0.88	7.25 7.05 7.48 6.85	60.1 59.9 62.3 60.3	94 94 99 94
	13.2	5.82	0.43	1.39	14.3	88.8	101	12.4	4.34	0.23	0.96	7.64	61.6	99
Urban areas with populations of 50,000 and under 100,000 Urban areas with populations	12.4	5.01	0.51	1.35	13.3	83.6	94	12.0	3.83	0.27	0.88	7.21	58.6	92
under 50,000	13.5 12.0	4.83 4.81	0.42	1.36 1.34	13.0 11.4	84.8 78.6	94 86	12.8 11.6	4.07	0.28	0.90	7.09 6.93	60.7 61.3	95 96
GREATER LONDON	12.5	6.22	0.38	1.49	13.8	85.7	99	11.4	4.67	0.25	0.96	7.13	60.5	96
Leeds Sheffield East Anglia	12.9 13.5 12.1 12.6 11.4	5.91	0.46 0.51 0.40 0.46 0.43	1.65 1.56 1.55 1.28 1.49	16.5 15.6 13.9 12.5 12.8	86.4 90.2 81.8 93.6 70.7	105 107 95 99 85	10.9 12.5 10.5 11.9 10.3	4.89 5.12 4.84 3.48 4.53	0.25 0.26 0.31 0.28 0.27	1.09 0.95 0.93 0.77 0.97	8.33 8.32 7.52 7.07 6.59	62.1 68.0 58.4 68.1 49.9	106 112 97 104 82
South East Metropolitan South West Metropolitan Wessex	12.9		0.44 0.47 0.42 0.39 0.43	1.43 1.40 1.51 1.23 1.28	12.8 13.1 13.0 13.9 12.3	79.7 95.3 84.9 93.6 77.1	92 103 96 103 87	10.5 13.1 12.8 12.9 10.4	4.58 4.50 4.14 4.24 4.04	0.32 0.31 0.25 0.27 0.23	0.93 0.95 0.94 0.97 0.89	6.67 7.30 7.10 8.06 6.57	51.6 67.2 65.3 68.8 54.8	84 105 102 108 87
Welsh Birmingham Manchester	14.3 11.6 14.3	6.67 5.84	0.37 0.47 0.48 0.46 0.37	1.48 1.70 1.53 1.73 1.59	13.7 16.4 14.8 17.0 17.3	85.4 89.4 86.3 91.6 95.0	96 108 102 112 115	13.2 11.9 10.2 12.9 11.0	3.98 5.37 4.89 5.10 5.11	0.27 0.27 0.24 0.32 0.27	0.98 0.98 0.99 1.10 1.06	7.66 8.11 7.45 8.67 8.26	64.2 63.5 61.0 66.4 63.1	102 106 101 112 106

						Males		63, England a			Females			Persons
	ICD No.	Cause of death		All ages	0-	15-	45-	65 and over	All ages	0-	15-	45	65 and over	All ages
		All causes autopsy or operation		292,410 90,396	13,477	14,544 8,909	81,641 32,269 40	182,748 41,254 23	280,458 65,467 23	9,782 5,488 56	9,153 4,511 49	46,406 15,623 34	215,117 39,845 19	572,868 155,863
	001-008	(percentage Tuberculosis, respiratory	(c) (a) (b)	2,022	3 2	196 69	931 351	892 305	587 205	2 2	143 50	233	209	2,609 932
	010-019	Tuberculosis, other	(c) (a)	36 169	67	35	38 66	34 45	35 182	100	35 36	38 52	77	36 351
		Outhing Plants	(b) (c)	94 56	5 36	55 20	38 58 157	27 60 306	99 54 335	9 53	19 53	60	40 52 266	193 55 820
	020-029	Syphilitic Disease	(a) (b) (c)	485 249 51	2 1 50	11 55	93 59	144 47	207	1 100	3 50	62 36 58	167	456 56
	056	Whooping cough	(a) (b) (c)	15 7 47	15 7 47	-	=	=	21 9 43	21 9 43	=	=	=	36 16 44
	057	Meningococcal infections	(a) (b) (c)	88 69 78	73 57 78	3 2 67	7 6 86	5 4 80	58 45 78	43 32 74	7 5 71	4 4 100	4 4 100	146 114 78
	080	Acute poliomyelitis	(a) (b)	2 2	1 1	1 1	-	-	1 -	-	1 -	-	-	3 2
9	085	Measles	(c) (a) (b)	100 62 24	100 55 22	100	-	3 1	65 21	57 21	6	1 -	1	127 45
92	Rem.	Other diseases classified as	(c)	39	40	25	155	33	32	37	75	137	177	35
	001-138	infective or parasitic	(b) (c)	239 49	77 68	48 59	76 49	38 28	187 42	39 65	38 51	58 42	52 29	426 46
	151	Malignant neoplasm: Stomach	(a) (b) (c)	7,744 1,598 21	-	245 53 22	2,965 632 21	4,534 913 20	5,937 819 14	=	127 26 20	1,357 241 18	4,453 552 12	13,681 2,417 18
	162, 163	Trachea, bronchus, and lung	(a) (b)	20,757	3 1	544 113	10,415	9,795 2,099	3,677 862	2 1	165 35	1,625	1,885	24,434 5,296
	170	Breast	(c) (a)	70	33	21	21	38	9,442	50	783	4,271	4,388	9,512
	171-174	Uterus	(b) (c) (a)	20 29	-	-	9 31	11 29	1,613 17 3,969	-	151 19 411	797 19	665 15 1,825	1,633 17 3,969
		Coords	(b) (c)	-	-	-	-	=	565 14	=	61 15	260 15	244	565 14
	204	Leukaemia and aleukaemia	(a) (b) (c)	1,511 407 27	204 49 24	270 83 31	449 140 31	588 135 23	1,319 313 24	160 35 22	189 35 19	396 114 29	574 129 22	2,830 720 25
	Rem. 140-205	Other malignant and lymphatic neoplasms	(a) (b) (c)	25,110 5,860 23	278 94 34	1,436 377 26	8,089 2,129 26	15,307 3,260 21	22,880 5,130 22	173 53 31	1,279 314 25	7,171 1,674 23	14,257 3,089 22	47,990 10,990 23
	260	Diabetes mellitus	(a) (b)	1,371	23 16	74 34	354 112	920 156	2,433	9 5	52 25	422 135	1,950 334	3,804 817
	330–334	Vascular lesions affecting	(c) (a)	23 32,264	70	552	6,046	25,628	48,076 5,596	56 24	509	5,660	17 41,883 3,546	80,340 9,846 12
		central nervous system	(b)		28	365	1,778	2,079	12	79	812	1,719	8	12
		central nervous system	(b) (c)	4,250 13	28 74	865 66	1,778	2,079	12	19 79	312 61	30	8	12
	420			4,250		66	29	8	12			30	8	
	420 440-443	Arteriosclerotic heart disease, including coronary disease	(a) (b) (c)	4,250 13 65,840 26,496 40	=======================================	2,007 1,411 70	24,496 12,018 49	39,337 13,067 33	42,016 12,708 30	2 1 50	288 186 65	6,422 2,492 39	35,304 10,029 28	107,856 39,204 36
	440-443	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease	(a) (b) (c) (a) (b) (c)	4,250 13 65,840 26,496 40 4,082 918 22		2,007	24,496 12,018	39,337 13,067	42,016 12,708	2 1	288 186	6,422 2,492	35,304 10,029	107,856
		Arteriosclerotic heart disease, including coronary disease	(a) (b) (c) (a) (b)	4,250 13 65,840 26,496 40 4,082 918	= = = = = = = = = = = = = = = = = = = =	2,007 1,411 70 46 29	24,496 12,018 49 924 339	39,337 13,067 33 3,112 550	42,016 12,708 30 6,201 927	2 1 50	288 186 65 18	6,422 2,492 39 656 187	35,304 10,029 28 5,527 731	107,856 39,204 36 10,283 1,845
	440-443	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease	(a) (b) (c) (a) (b) (c) (a) (b)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616	- - - - - 49 36	2,007 1,411 70 46 29 63 791 452	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344	39,337 13,067 33 3,112 550 18 22,164 1,826 8	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777	2 1 50 - - - 26 22 85 8	288 186 65 18 9 50 717 387 54 250 141	6,422 2,492 39 656 187 29 3,643 1,095 30	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119
	440-443 410-416, 421-434	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease	(a) (b) (c) (a) (b) (c) (a) (b) (c) (a) (b) (c)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167	49 36 73 5 5 100	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47	42,016 12,708 30 6,201 927 15 42,181 4,339 10	2 1 50 - - - 26 22 85 8	288 186 65 18 9 50 717 387 54 250	6,422 2,492 39 656 187 29 3,643 1,095 30	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214
	440-443 410-416, 421-434 444-468	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease	(a) (b) (c) (a)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12	49 36 73 5 5 100 36 18 50	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7	2 1 500 - - - 26 22 85 85 8 4 50 29 14 48	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9
	440-443 410-416, 421-434 444-468 480-483	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza	(a) (b) (c)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31	49 36 73 5 5 100 36 18 50 2,000 1,452 73	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7	2 1 500 - - - 26 22 85 85 8 4 50 29 14 48	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3	107,858 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9
	440-443 410-416, 421-434 444-468 480-483 490-493, 763	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis	(a) (b) (c)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280 80	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18	2 1 50 - - 26 22 85 85 8 4 50 29 14 48 1,474 1,011 69 284 237 83	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19
	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system	(a) (b) (c)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900	2 1 50 - - 26 22 85 8 4 50 29 14 48 1,474 1,011 69 284 237	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192	107,858 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665
	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory	(a) (b) (c)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280 80	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18 1,805 579	2 1 50 - - 26 22 85 85 8 4 50 29 14 48 1,474 1,011 69 284 237 83	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system	(a) (b) (c)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212 136	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 1,805 579 32 1,542 884 57 1,589 819	2 1 500 	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 26 4181 69	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341
5.6	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Gastritis, enteritis, and	(a) (b) (c)	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 1,805 579 32 1,542 884 57 1,589	2 1 500	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 54 65	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 26 4147 42 26 4151 69 242 151 62	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 48	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54
5.6	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Gastritis, enteritis, and diarrhoea	(a) (b) (c) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30 2,479	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44 73 317 120 38	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212 136 64 559 199 36 155	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22 2,323	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484	2 1 500 	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 54 65	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 26 4147 42 26 4151 69	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 48	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764 590-594	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Gastritis, enteritis, and diarrhoea Nephritis and nephrosis	(a) (b) (c) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 34 200 58 241 91 38 159 89 56 104 83 80 60 44 73	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 689 56 841 637 76 212 136 64 559 199 36	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484 403 27	2 1 50 	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 54 65 189 62 333	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 264 181 69 242 151 62	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 46 867 196 23	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29 2,479 1,059 43
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764 590-594 610 640-689	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Gastritis, enteritis, and diarrhoea Nephritis and nephrosis Hyperplasia of prostate Pregnancy, childbirth, abortion	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30 2,479 1,059 43	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44 73 317 120 38 1 1 100	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212 136 64 559 199 36 155 108 70	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22 2,323 950 41	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484 403 27 243 209 86	2 1 500	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 75 83 54 65 189 62 33	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 264 181 69 242 151 62 39 33	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 46 867 196 23	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29 2,479 1,059
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764 590-594	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Castritis, enteritis, and diarrhoea Nephritis and nephrosis Hyperplasia of prostate	(a) (b) (c) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30 2,479 1,059 43	49 36 73 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44 73 317 120 38 1 1 100	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212 136 64 559 199 36 155 108 70	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22 2,323 950 41	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484 403 27 243 209	2 1 500	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 54 65 189 62 33 239 206	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 26 181 69 242 151 62 33	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 46 867 196 23	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29 2,479 1,059 43 243 209
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764 590-594 610 640-689	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Gastritis, enteritis, and diarrhoea Nephritis and nephrosis Hyperplasia of prostate Pregnancy, childbirth, abortion	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30 2,479 1,059 43 	49 36 73 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44 2,228 1,359	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44 73 317 120 38 1 1 100 254 162	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212 136 64 559 199 36 155 108 70 203 108	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22 2,323 950 41 98 61	12 42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484 403 27 243 209 86 2,466 1,328 54 24,620 8,318	2 1 50	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 75 83 75 83 75 83 75 83 65 189 62 33 239 206 86 166 102 61 1,278 722	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 264 181 69 242 151 62 394 129 33	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 46 867 196 23 140 87 62 14,986 3,630	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29 2,479 1,059 43 243 209 86 5,249 3,018 57 44,240 16,297
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764 590-594 610 640-689 750-759 Rem.	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Gastritis, enteritis, and diarrhoea Nephritis and nephrosis Hyperplasia of prostate Pregnancy, childbirth, abortion Congenital malformations Other defined and ill-defined		4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30 2,479 1,059 43 	49 36 73 5 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44 2,228 1,359 61 6,173 3,082 50 464 361	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44 73 317 120 38 1 1 100 254 162 64 1,328 756 57 2,300 1,904	24,498 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212 136 64 559 199 36 155 108 70 203 108 53 3,571 1,740 49 1,016 862	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22 2,323 950 41 98 61 62 8,548 2,401 28 809 687	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484 403 27 243 209 86 2,466 1,328 54 24,620 8,318 34 1,762 1,486	2 1 500	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 75 83 75 83 75 83 65 189 62 33 239 206 86 166 102 61 1,278	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 264 181 69 242 151 62 394 129 33 4 375 223 99 44 3,998	35, 304 10, 029 28 5, 527 731 13 37, 795 2, 835 8 12, 875 3, 746 29 1, 502 51 3 16, 065 2, 459 15 8, 508 1, 192 14 1, 225 298 24 1, 231 667 54 1, 052 481 46 867 196 23 	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29 2,479 1,059 43 243 209 86 5,249 3,018 57 44,240 16,297 37 6,351
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764 590-594 610 640-689 750-759 Rem. 210-759	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Gastritis, enteritis, and diarrhoea Nephritis and nephrosis Hyperplasia of prostate Pregnancy, childbirth, abortion Congenital malformations Other defined and ill-defined pdiseases	(a) (b) (c) (c) (c) (c) (c) (c	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30 2,479 1,059 43 	49 36 73 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44 2,228 1,359 61 6,173 3,082 50 464 361 78 826	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44 73 317 120 38 1 1 100 254 162 64 1,328 756 57 2,300 1,904 83 1,527	24, 496 12, 018 49 924 339 37 3, 699 1, 302 35 2, 402 1, 344 56 322 68 21 2, 477 1, 123 45 6, 976 1, 702 24 1, 196 669 56 841 637 76 212 136 64 559 199 36 155 108 70 203 108 53 3, 571 1, 740 49 1, 016 862 85 1, 455	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22 2,323 950 41 98 61 62 8,548 2,401 28 809 687 85 2,182	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484 403 27 243 209 86 2,466 1,328 54 24,620 8,318 34 1,762 1,486 84 6,253	2 1 500	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 83 83 83 83 83 83 83 83 83 83 83 83	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 264 181 69 242 151 69 242 151 62 33 40 21 40 21 40 21 40 21 40 21 40 21 40 21 40 21 40 21 40 40 40 40 40 40 40 40 40 40 40 40 40	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 46 867 196 23 140 87 62 14,986 3,630 24 716 630 88 4,707	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29 2,479 1,059 43 243 209 86 5,249 3,018 57 44,240 16,297 37 6,351 5,300 83 12,243
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764 590-594 610 640-689 750-759 Rem. 210-759 E810-E835 E800-E802, E840-E962 E963,	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Castritis, enteritis, and diarrhoea Nephritis and nephrosis Hyperplasia of prostate Pregnancy, childbirth, abortion Congenital malformations Other defined and ill-defined kdiseases Motor vehicle accidents	(a) (b) (c) (a) (b	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30 2,479 1,059 43 	49 36 73 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44 2,228 1,359 61 6,173 3,082 50 464 361 78	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44 73 317 120 38 1 1 100 254 162 64 1,328 756 57 2,300 1,904 83 1,108	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212 136 64 559 199 36 155 108 70 203 108 53 3,571 1,740 49 1,016 862 85	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22 2,323 950 41 98 61 62 8,548 2,401 28 809 687 85	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484 403 27 243 209 86 2,466 1,328 54 24,620 8,318 34 1,762 1,486 84	22 150 	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 54 65 189 62 33 239 206 86 166 102 61 1,278 722 56 380 306 81	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 264 181 69 242 151 62 394 129 33 	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 46 867 196 23 140 87 62 14,986 3,630 24 716 630 88 4,707 2,894 61	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29 2,479 1,059 43 243 209 86 5,249 3,018 57 44,240 16,297 37 6,351 5,300 83 12,243 8,629 70
93	440-443 410-416, 421-434 444-468 480-483 490-493, 763 500-502 470-475, 510-527 540, 541 543, 571, 572, 764 590-594 610 640-689 750-759 Rem. 210-759 E810-E835	Arteriosclerotic heart disease, including coronary disease Hypertension with heart disease Other heart disease Other circulatory disease Influenza Pneumonia Bronchitis Other diseases of respiratory system Ulcer of stomach and duodenum Castritis, enteritis, and diarrhoea Nephritis and nephrosis Hyperplasia of prostate Pregnancy, childbirth, abortion Congenital malformations Other defined and ill-defined diseases Motor vehicle accidents All other accidents	(a) (b) (c) (b) (c	4,250 13 65,840 26,496 40 4,082 918 22 26,703 3,616 14 11,836 4,342 37 1,442 167 12 17,346 5,306 31 24,832 4,765 19 3,651 1,808 50 2,799 1,790 64 1,073 615 57 1,695 510 30 2,479 1,059 43 	49 36 73 5 100 36 18 50 2,000 1,452 73 349 280 80 136 106 78 3 2 67 304 186 61 41 18 44	2,007 1,411 70 46 29 63 791 452 57 346 209 60 62 34 55 346 200 58 241 91 38 159 89 56 104 83 80 60 44 73 317 120 38 1 1 100 254 162 64 1,328 756 57 2,300 1,904 83 1,527 1,186 78	24,496 12,018 49 924 339 37 3,699 1,302 35 2,402 1,344 56 322 68 21 2,477 1,123 45 6,976 1,702 24 1,196 669 56 841 637 76 212 136 64 559 199 36 155 108 70 203 108 53 3,571 1,740 49 1,016 862 85 1,455 1,157 80	39,337 13,067 33 3,112 550 18 22,164 1,826 8 9,083 2,784 31 1,022 47 5 12,523 2,531 20 17,266 2,692 16 2,160 944 44 1,851 1,068 58 497 249 50 778 173 22 2,323 950 41 98 61 62 8,548 2,401 28 809 687 85 2,182 1,447 66	42,016 12,708 30 6,201 927 15 42,181 4,339 10 14,663 4,777 33 1,772 123 7 19,396 4,230 22 10,500 1,900 18 1,805 579 32 1,542 884 57 1,589 819 52 1,484 403 27 243 209 86 2,466 1,328 54 24,620 8,318 34 1,762 1,486 84 6,253 4,174 67	2 1 500	288 186 65 18 9 50 717 387 54 250 141 56 49 18 37 298 161 54 147 69 47 118 50 42 44 33 75 83 83 75 83 83 75 83 83 83 83 83 83 83 83 83 83 83 83 83	6,422 2,492 39 656 187 29 3,643 1,095 30 1,530 886 58 192 40 21 1,559 599 38 1,561 402 26 354 147 42 264 181 69 242 151 69 242 151 62 33 40 21 40 25 40 26 40 27 40 28 40 28 40 28 40 40 40 40 40 40 40 40 40 40 40 40 40	35,304 10,029 28 5,527 731 13 37,795 2,835 8 12,875 3,746 29 1,502 51 3 16,065 2,459 15 8,508 1,192 14 1,225 298 24 1,231 667 54 1,052 481 46 867 196 23 	107,856 39,204 36 10,283 1,845 18 68,884 7,955 12 26,499 9,119 34 3,214 290 9 36,742 9,536 26 35,332 6,665 19 5,456 2,387 44 4,341 2,674 62 2,662 1,434 54 3,179 913 29 2,479 1,059 43 243 209 86 5,249 3,018 57 44,240 16,297 37 6,351 5,300 83 12,243 8,629

156 83

(a) (b) (c)

32 89

68 92

26 84

30 65

35 92

55 93

118 93

20 91

274 87

E964, E965, E980-E999

Table C59. Notification rates per 100,000 living for certain infectious diseases, by sex and age, 1963, England and Wales

	Scarle	t fever	A CONTRACTOR OF THE PARTY OF TH	ping			rute Weliti	s		sles uding	Dipht	heria	Dyser	ntery	Mening	OCOCCA1
	M F		cou	Rit	Para	Lytic	Non paraly		rube	ella)					mie	ection
				F	М	F	М	F	М	F	М	F	М	F	М	F
Under 1 year	11	14	472	519	0.23		-	-	2,452	2,616	-	-	165	159	24	16
1	11 14 472 48 48 528			581	0.96	0.51	-	0.51	7,645	7,545	-	-	284	253	13	7.8
2			543	605	0.75	0.26	0.25	0.26	10,132	10,314	0.25	0.26	321	280	8.5	4.0
3	215	219	514	626	0.78	-	-	0.28	10,742	11,001	0.78	-	276	251	6.5	3.9
4	276	277	493	565	0.27	-	-	0.56	11,233	11,349	0.27	-	273	239	4.3	2.5
5-	278	287	297	361	0.35	0.18	0.12	-	7,418	7,418	0.41	0.37	263	254	2.4	1.8
10-	52	61	48	54	0.12	0.06	-	0.06	472	496	0.58	0.18	95	80	1.7	0.85
15-	10	8.7	3.1	6.1	0.06	0.06		-	65	73	-	-	27	46	0.98	0.70
25 and over				0.01	-	6.7	7.8	-	0.01	21	28	0.24	0.24			
All ages	38	36	72	76	0.13	0.04	0.02	0.03	1,343	1,217	0.10	0.05	68	67	1.6	0.98

	Acute pr	neumonia	Acu	te enc	ephali	tis	THE RESERVE OF THE PARTY OF THE	ic or	Parati	/phoid			Fo	ođ
		ary or menzal)	Infe	ctive	Pos	t⊶ tious		ver	MIDS TO SECURITION OF THE PARTY	vers	Erysi	pelas		oning
	M F		М	F	М	F	М	F	М	F	М	F	М	F
Under 5 years	66 22	56 19	0.90	0.68	1.2	1.3	0.30	0.53	1.3	1.2	0.75 0.75	0.63	27 25	25 15
15-	15	13	0.20	0.18	0.18	0.06	0.75	0.82	0.70	0.68	1.7	2.0	12	12
45- 65 and over	40 83	25 57	0.07	0.03	0.02	0.03	0.34	0.31	0.41	0.33		7.4 8.3	5.7 4.8	6.1 5.7
All ages	33	27	0.32	0.21	0.43	0.28	0.49	0.53	0.77	0.68	3.3	4.0	14	11

			Tube	rculosis		
	Respin	ratory	Mening C.N.		Oth	ner
	М	F	М	F	М	F
Under 5 years	18	15	1.1	0.74	2.0	1.7
5-	13	15	0.38	0.49	2.4	2.6
15-	39	38	0.36	0.39	6.4	7.6
25-	53	34	0.29	0.26	8.4	8.8
45-	68	18	0.14	0.16	3.7	4.2
65 and over	63	12	0.05	-	2.4	4.4
All ages	47	24	0.33	0.29	4.9	5.5

Table C60. Infant mortality rates per 1,000 live births in the neonatal, post-neonatal and other age periods and stillbirth rates per 1,000 total births, 1906 to 1963, England and Wales

			Infant r	mortality p	per 1,000	live b	irths*	at various	s ages		Stillt	oirths and in to	fant deaths - tal births+	- rates pe	r 1,000
Period	Total infant mortality (under	Neonatal mortality	Early neonatal	Late neonatal mortality	Post- neonatal mortality	neon	rly natal riod	Post-1	neonatal pe	eriod	Stillbirths plus infant deaths	Stillbirths (late foetal	Stillbirths plus infant deaths	Infant	Stillbirt
	1 year)	(under 4 weeks)	mortality (under 1 week)	(1 week and under 4 weeks)	(4 weeks and under 1 year)	Under 1 day	under	4 weeks and under 3 months	3 months and under 6 months	6 months and under 1 year	under 1 year "birth wastage"	deaths, at or over 28 weeks' gestation)	under 1 week "perinatal mortality"	deaths at 1 week and over	deaths under 4 weeks
1906–1910	117.1	40.2	24.5	15.7	76.9	11.5	13.0	22.8	22.0	32.1	_	_	_	_	_
1911-1915	108.7	39.0	24.1	14.9	69.8	11.4	12.7	20.2	19.6	30.0	_	_	_	_	_
1916-1920	90.9	37.0	23.4	13.7	53.9	11.0	12.4	16.5	14.6	22.8	-	_	_	_	-
1921-1925	74.9	33.4	21.7	11.7	41.6	10.4	11.3	12.8	11.3	17.5	-	-	_	-	-
1926-1930	67.6	31.8	21.8	9.9	35.7	10.3	11.5	10.8	9.5	15.4	-	-	-	-	-
1931-1935		31.4	22.4	9.0		10.7	11.7	9.9	8.5	12.1	100.6	41.0	62.5	38.1	71.1
1936-1940		29.2	21.5	7.7	26.0	10.4	11.2	8.8	7.8	9.4	91.7	38.5	59.2	32.5	66.6
1941-1945	THE REPORT OF THE PARTY OF THE	26.0	18.7	7.2	23.8	9.3	9.5	8.9	7.7	7.2	78.5	30.5	48.6	29.9	55.6
1946-1950 1951-1955		18.0	16.2 15.0	4. 9 3. 0	15.2 8.9	7.5	8.4 7.5	5.8 3.4	5.0 3.0	2.5	59.5 49.2	24.0 23.0	39.8 37.6	19.6 11.6	44.6 40.5
1956–1960	22.6	16.2	13.8	2.4	6,5	7.5	6.3	2.6	2.1	1.8	43.6	21.4	34.9	8.7	37.2
1928	65.3	31.1	21.6	9.5	34.2	10.4	11.2	10.7	9.3	14.2	102,6	40.1	60.8	41.7	69.9
1929	73.9	32.8	22.2	10.5		10.4	11.9	11.5	10.6	19.0	111.4	40.0	61.4	50.0	71.6
1930	60.2	30.9	22.0	8.9	29.3	10.4	11.6	9.7	7.9	11.7	98.3	40.8	61.9	36.4	70.4
1931	65.7	31.5	22.1	9.5		10.4	11.7	10.8	9.2	14.2	104.5	40.9	62.1	42.4	71.2
1932	64.5	31.5	22.4	9.2		10.6	11.8	10.8	9.0	13.2	103.7	41.3	62.8	40.8	71.6
1933	62.7	32,1	22.9	9.3		11.0	11.8	9.8	8.6	12.2	102.5	41.4	63.4	39.1	72.3
1934	59.3	31 4	22.7	8.7		10.9	11.8	8.9	7.7	11.3	96.7	40.5	62.2	34.5	70.5
1935	B7.0	30.4	22.0	8.4	26.6	10.7	11.3	9.1	7.7	9.8	95.4	40.7	61.9	33.5	69.9

^{*} Rates based on related live births from 1928 to 1956.

The births upon which these rates are based for successive calendar years are numbers registered up to 1938 inclusive, and numbers of occurrences from 1939.

				Infant mo	rtality pe	r 1,000 li	ve bir	ths* at	various	ages		Stillbi	irths and inf	ant deaths — al births /	rates per	1,000
	Period	Total infant mortality (under	Neonatal	Early neonatal	Late neonatal mortality	Post- neonatal mortality	Ear neon per	atal	Post-n	eonatal pe	eriod	Stillbirths plus infant deaths	Stillbirths (late foetal	Stillbirths plus infant deaths	Infant	Stillbirths plus infant
		1 year)	mortality (under 4 weeks)	mortality (under 1 week)		(4 weeks and under 1 year)	Under 1 day		4 weeks and under 3 months	3 months and under 6 months	6 months and under 1 year	under 1 year "birth wastage"	deaths, at or over 28 weeks gestation)	under 1 week "perinatal mortality"	deaths at 1 week and over	deaths under 4 weeks
	1936 1937 1938 1939 1940	58.7 57.7 52.8 50.6 56.8	30.2 29.7 28.3 28.3 29.6	21.9 22.0 21.1 21.2 21.3	8.2 7.8 7.1 7.1 8.3	28.5 28.0 24.5 22.2 27,2	10.7 10.8 10.3 10.3 9.8	11.3 11.2 10.8 10.9 11.5	9.3 9.4 8.2 7.9 9.3	8.3 8.3 7.3 7.0 8.2	10.9 10.3 9.0 7.3 9.7	95.9 94.4 88.9 86.9 92.5	39.7 39.0 38.3 38.1 37.2	60.8 60.2 58.6 58.5 57.7	35.2 34.2 30.4 28.4 34.7	68.7 67.6 65.5 65.3 65.7
	1941 1942 1943 1944 1945	60.0 50.6 49.1 45.4 46.0	29.0 27.2 25.2 24.4 24.8	20.7 19.6 18.3 17.5 18.0	8.3 7.7 6.9 6.9 6.8	31.1 23.4 23.9 21.1 21.3	10.1 9.6 9.1 8.8 9.0	10.6 10.0 9.2 8.8 9.0	11.3 8.7 8.8 8.0 8.2	9.7 7.5 7.8 7.0 7.0	10.1 7.2 7.3 6.1 6.1	92.4 81.1 77.5 70.9 73.4	34.8 33.2 30.1 27.6 27.6	54.7 52.1 47.9 44.5 45.2	37.7 29.0 29.6 26.3 28.1	62.7 59.4 54.6 51.1 51.8
96	1946 1947 1948 1949 1950	42.9 41.4 33.9 32.4 29.6	24.5 22.7 19.7 19.3 18.5	17.8 16.5 15.6 15.6 15.2	6.7 6.2 4.1 3.7 3.3	18.4 18.6 14.2 13.0 11.1	8.7 7.8 7.6 7.2	9.1 8.7 7.9 8.0 8.0	7.1 6.9 5.5 4.8 4.3	6.1 6.0 4.8 4.4 3.7	5.2 5.7 3.9 3.8 3.1	66.9 65.0 56.8 54.6 51.7	27.2 24.1 23.2 22.7 22.6	44.3 40.3 38.5 38.0 37.4	22.6 24.6 18.4 16.7 14.3	50.7 46.4 42.5 41.5 40.7
	1951 1952 1953 1954 1955	29.7 27.6 26.8 25.4 24.9	18.8 18.3 17.7 17.7	15.5 15.2 14.8 14.9 14.6	3.3 3.2 2.9 2.8 2.6	10.9 9.3 9.1 7.7 7.6	7.5 7.6 7.4 7.6 7.6	8.0 7.6 7.4 7.4 7.0	4.1 3.7 3.4 3.0 2.9	3.6 3.0 3.0 2.6 2.6	3.2 2.6 2.7 2.1 2.1	52.2 49.6 48.6 48.4 47.5	23.0 22.7 22.4 23.5 23.2	38.2 37.5 36.9 38.1 37.4	14.0 12.1 11.7 10.3 10.0	41.5 40.6 39.7 40.8 40.0
	1956 1957 1958 1959 1960	23.7 23.1 22.5 22.2 21.8	16.8 16.5 16.2 15.9 15.5	14.2 14.1 13.8 13.6 13.3	2.6 2.4 2.4 2.3 2.2	6.9 6.7 6.4 6.3 6.3	7.4 7.6 7.5 7.6 7.5	6.8 6.5 6.3 6.0 5.8	2.7 2.6 2.6 2.4 2.5	2.3 2.1 2.1 2.1 2.1	1.8 1.9 1.7 1.8 1.6	46.0 45.1 43.6 42.6 41.1	22.9 22.5 21.5 20.8 19.8	36.7 36.2 35.0 34.1 32.8	9.2 8.8 8.6 8.5 8.3	39.3 38.5 37.3 36.3 35.0
	1961 1962 1963	21.4 21.7 21. 1	15.3 15.1 14.3	13.3 13.0 12.3	2.1 2.1 2.0	6.1 6.6 6.9	7.6 7.4 7.2	5.7 5.6 5.1	2.4 2.5 2.7	2.0 2.3 2.4	1.7 1.8 1.8	40.0 39.4 38.0	19.0 18.1 17.2	32.0 30.8 29.3	8.0 8.5 8.7	34.1 32.9 31.3

Table C61. Stillbirth rates per 1,000 total births, and infant mortality per 1,000 live births* in the early neonatal, late neonatal and post-neonatal periods, distinguishing illegitimacy, 1936 to 1963, England and Wales

			1936 to 1939	1940 to 1944	1945 to 1949	1950 to 1954	1955 to 1959	1958	1959	1960	1961	1962	1963
	Stillbirths (late foetal deaths at or over 28 weeks' gestation)	Annual rate per cent of 1936-39	38.8 100	32.3 83	24.9 64	22.8 59	22.1 57	21.5 55	20.8 54	19.8 51	19.0 49	18.1	17.2
All infants	Early neonatal deaths (Under 1 week)	Annual rate per cent of 1936-39	21.6	19.3 89	16.7 77	15.1	14.0 65	13.8 64	13.6 63	13.3 62	13.3 62	13.0 60	12.3 57
1111 (2110)	Late neonatal deaths (1 week and under 4 weeks)	Annual rate per cent of 1936-39	7.6 100	7.5 99	5.5 72	3.1 41	2.5 33	2.4 32	2.3 30	2.2	2.1	2.1 28	2.0
	Post-neonatal deaths (4 weeks and under 1 year)	Annual rate per cent of 1936-39	25.8 100	25.1 97	17.1 66	9.6	6.7 26	6.4 25	6.3 24	6.3 24	6.1	6.6	6.9
	Stillbirths (late foetal deaths at or over 28 weeks, gestation)	Annual rate per cent of 1936-39	49.6 100	39.9 80	31.4 63	29.9	28.4 57	28.4	27.4 55	24.9	24.2 49	22.7 46	20.5
Illegitimate infants	Early neonatal deaths (under 1 week)	Annual rate per cent of 1936-39	34.4 100	28.1	23.7 69	20.7	19.1 56	18.3 53	18.2 53	17.0 49	17.5 51	18.0 52	17.0
IIII dii Vi	Late neonatal deaths (1 week and under 4 weeks)	Annual rate per cent of 1936-39	10.9	10.7 98	8.3 76	3.9 36	2.7 25	2.3 21	2.5 23	2.6 24	2.0 18	2.4	2.2
	Post-neonatal deaths (4 weeks and under 1 year)	Annual rate per cent of 1936-39	41.6 100	35.8 86	23.5 56	11.1	7.2 17	7.2 17	6.7 16	6.9	5.8 14	6.8 16	6.8 16

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Table C62. Principal causes of death under I year, age-group distribution per cent of all deaths assigned to each cause, cause distribution per I,000 total deaths in each age-group, 1963, England and Wales

		Number	Age distri			t of tota each cau					er 1,000 ch age gr	
		of Infant	Infant	Neons	atal mor	tality	Post- neonatal	Infant	Neon	atal mor	tality	Post-
Aetiological group	Cause of death (and ICD No.)	deaths (under 1 year)	mortality (under 1 year)	Under	Early (under 1 week)	Late (1 week and under 4 weeks)	mortality (4 weeks and under 1 year)		Under 4 weeks	Early (under 1 week)	Late (1 week and under 4 weeks)	neonatal mortality (4 weeks and under 1 year)
	All causes	18,042	100	67	58	9	33	1,000	1,000	1,000	1,000	1,000
	Congenital malformations (750-759) Total causes mainly of prenatal and natal origin	3,583	100	65	44	21	35	199	191	150	448	214
	other than congenital malformations	8,573	100	99	96	3	1	475	698	781	177	13
Prenatal and	Intracranial and spinal injury at birth (760). Other birth injury (including maternal ante-	1,403	100	100	94	6	-	78	115	126	51	-
natal group	partum haemorrhage) (761)	540	100	100	99	1	-	30	44	51	2	-
(including congenital malformations)	Postnatal asphyxia and atelectasis (762)	2,513	100	99	97	2	1	139	204	232	32	4
mariormacions)	Attributed to maternal toxaemia (769)	191	100	98	94	4	2	11	15	17	4	1
	Erythroblastosis (770)	342	100	99	93	6	1	19	28	30	13	1
	Haemorrhagic disease of newborn (771)	218	100	99	89	10	1	12	18	18	13	1
	Ill-defined diseases of early infancy (773)	517	100	97	94	3	3	29	41	46	11	3
	Immaturity alone, or primary to diseases other than of early infancy (774, 776)	2,849	100	99	96	3	1	158	232	261	53	4

	Total causes mainly of postnatal origin	4,878	100	21	10	11	79	270	85	48	315	658
	Causes classified as infective (OO1-138) and others mainly infective in origin (340, 391-393, 470-483, 518, 519, 690-698, 765-768) Septicaemia, skin and subcutaneous tissue	555	100	26	10	16	74	31.	12	Б	53	70
	infections and sepsis of newborn (055, 690-698, 765-768) Whooping cough and measles (058, 085) Meningococcal infections and non-menin-	107 53	100 100	76 2	32 -	44 2	24 98	6 3	7 -	3 -	28	4 9
Postnatal group	gococcal meningitis (057, 340)	200	100	23	10	13	78	11	4	2	16	26
group	Causes classified as infective not specified above (rem. 001-138)	57	100	14	4	11	86	3	1	-	4	8
	Otitis media and mastoiditis, empyema and pleurisy (391-393, 518, 519) Acute upper respiratory infections and	67	100	7	1	6	93	4	_	-	2	11
NAME OF TAXABLE PARTY.	influenza (470-475, 480-483)	71	100	7	1	6	93	4	-	238-	2	11
natel group	Pneumonia and bronchitis (490-493, 763, 500-502)	3,321	100	21	11	10	79	184	57	34	207	447
Property and	Gastro-enteritis (including diarrhoea of new- horn) (571, 764)	397	100	16	1	15	84	22	5	-	36	57
10-10-17-1	Accidental mechanical suffocation from vomit, food, foreign body, or in cot (E921-E925)	396	100	7	2	5	93	22	2	1	13	63
99	Lack of care, neglect (including foundlings), infanticide (E926, E980—E985)	89	100	81	80	1	19	5	6	7	1	3
	Other violent causes (rem. E800—E999)	120	100	17	9	8	83	7	2	1	в	7
Unclassified	Total causes remaining	1,008	100	32	22	10	68	56	26	21	60	117
Unclassified	Neoplasms (140-239)	92	100	23	12	11	777	5	2	1	6	12
	Other remaining causes	916	100	33	23	10	67	51	25	20	54	105
Immaturity, or 773.5)	with mention of immaturity (774, 776, 760.5-	6,246	100	100	96	4	_	346	511	570	140	5
Immaturity infancy (alone, or primary to diseases other than of early 774, 776)	2,849	100	99	96	3	1	158	232	261	53	4
Immaturity (760.5-77	associated with diseases of early infancy 3.5)	3,397	100	100	96	4	-	188	278	309	87	1
All other cause	S CHARLES TWO ARE DE MINER AND THE REST	11,796.	100	50	38	12	50	654	489	430	860	995

Table C63. Principal causes of death under I year in the neonatal, post-natal and other age periods, by sex, per 1,000 live births, 1963, England and Wales

	Treschild by			Infant mortality per 1,000 live births										
	DOCUMENTS OF			Total	Neonatal	Early	Late neonatal	Post- neonatal	Early neo- natal period		Post-neonatal		period	
	Aetiological group	Cause of death (and ICD No.)			mortality (under 4 weeks)	neonatal mortality (under 1 week)	mortality (1 week and under 4 weeks)	mortality (4 weeks and under 1 year)	Under 1 day	1 day and under 1 week	and under	3 months and under 6 months	6 months and under 1 year	
	Declarative	All causes	{ M F	23.72 18.39	16.19 12.20	14.06 10.42	2.13 1.78	7.53 6.18	8.01 6.39	6.05	3.04 2.31	2.62	1.86 1.69	
		Congenital malformations (750-759)	{M F	4.33 4.05	2.85 2.59	1.97	0.88	1.48	0.90	The second second	0.71	0.48	0.31	
100	Prenatal and natal group (including congenital malformations)	Total causes mainly of prenatal and natal origin other than congenital malformations	{M F	11.63 8.36	11.52 8.29	11.14 7.98	0.39	0.10	6.76 5.20	4.37	0.08	0.02	0.01	
		Intracranial and spinal injury at birth (760)	{M F	1.94 1.33	1.94 1.33	1.82 1.25	0.12	-	0.93	0.89	-	-	=	
		Other birth injury (including maternal antepartum haemorrhage) (781)	{ M F	0.73 0.53	0.73 0.53	0.73 0.52	0.00	0.00	0.55	0.18	0.00	-	-	
		Postnatal asphyxia and atelectasis (762)	{ M F	3.49 2.37	3.46 2.34	3.38 2.30	0.08	0.03	1.97	1.41	0.02	0.01	0.00	
		Attributed to maternal toxaemia (769)	{ M F	0.26	0.25	0.24	0.01	0.01	0.15		0.00	0.01	- 71	
		Erythroblastosis (770)	{ M F	0.44	0.44	0.40 0.34	0.03	0.01	0.26	0.14	0.00	0.00	0.00	
		Haemorrhagic disease of newborn (771)	${M \atop F}$	0.29	0.28	0.26	0.02	0.01	0.05	0.21	0.00	0.00	_	
		Ill-defined diseases of early infancy (773)	{ M F	0.77	0.75 0.42	0.73	0.03	0.02	0.37	0.36	0.02	0.00	-	
		Immaturity alone, or primary to diseases other the of early infancy (774, 776)	n{M F	3.70 2.95	3.67 2.93	3.58 2.81	0.09	0.03	2.49	1.10	0.03	-		
		Total causes mainly of postnatal origin	{ !	6.43 4.95	1.39	0.68	0.71	5.04 3.95	11	0.48	1.91	1.85	1.28	
	Postnatal	Causes classified as infective (001-138) and other mainly infective in origin (340, 391-393, 470-483, 518, 519, 690-698, 765-768)		0.70 0.59	0.19 0.15	0.08	0.11	0.52	0.01		0.17	0.16	0.18	
		Pneumonia and bronchitis (490-493, 763, 500-502)	{ }	4.40	0.95 0.68	0.49	0.45	3.45 2.67	0.10			1.33	0.78 0.69	
	group	Gastro-enteritis (including diarrhoea of newborn (571, 764)	{1	0.55 0.38	0.09	0.00	0.09	0.45 0.32	-	0.00		0.13	0.16	
		Accidental mechanical suffocation from vomit, for foreign body, or in cot (E921-E925)	od, { 1	0.52	0.04	0.01	0.03	0.48 0.34	0.00	0.00		0.20	0.08	
		Lack of care, neglect (including foundlings), infanticide (E926, E980-E985)	{ }	0.11	0.09	0.09	0.00	0.02	0.08			0.00	0.00	
		Other violent causes (rem. E800-E999)	{ 1		0.03	0.01	0.02	0.12	0.0		0.02	0.02	0.08	
	Unclassified	Total causes remaining	{1		0.43	0.28 0.24	0.15	0.90	0.18			0.29	0.26	
101		Neoplasms (140-239)	1		0.03	0.02	0.02	0.09	0.00			0.02	0.04	
F		Other remaining causes	. { 1	1.21 0.93	0.40	0.26	0.14	0.81	0.14	9/9		0.27	0.22	
	Immaturity, or with mention of immaturity (774, 776, 760.5-773.5) {			8.38 6.19	8.34 6.16	8.05 5.90	0.29	0.04	5.05			0.00	0.00	
	Immaturity alone, or primary to diseases other than of early infancy (7774, 7776)				3.67 2.93	3.58 2.81	0.09	0.03	2.49				-	
	Immaturity 773.5)	associated with diseases of early infancy (760.5-	{ ¹	4.68 3.24	4.66 3.24	4.47 3.09	0.19	0.01	2.56	1.91	0.01	0.00	0.00	
	All other cau	ses	{ !		7.86 6.04	6.01	1.85	7.49 6.16	2.97			2.62 2.18	1.86	

Table C64. Infant mortality rates per 1,000 live births for principal causes and at certain ages, and stillbirth rates per 1,000 total births, by quarters and quarterly percentages of the annual rates, 1963, England and Wales

Antialogiasi	Course of death	Annual rates	Qu	arterly	rates		Quarterly rates per cent of annual rates				
Aetiological group	Cause of death (and ICD No.)	(per 1,000 live births)	Jan. to March	April to June	July to Sept.	Oct. to Dec.	Jan. to March	April to June	July to Sept.	Oct. to Dec.	
Stillbirths (la	Stillbirths (late foetal deaths at or over 28 weeks' gestation)				16.41	17.71	105	97	95	103	
Late neonatal d	Early neonatal deaths (infant deaths at ages under 1 week) Late neonatal deaths (infant deaths at ages 1 week and under 4 weeks) Post-neonatal deaths (infant deaths at 4 weeks and under 1 year)				12.04 1.67 4.88	12.39 1.99 7.80	102 118 138	99 95 78	98 85 71	101 102 114	
Infant deaths (total under 1 year)	21.13	24.36	19.40	18.59	22.18	115	92	88	105	
	Congenital malformations (750-759)	4.20	4.38	4.04	4.04	4.33	104	96	96	103	
	Total causes mainly of prenatal and natal origin, other than congenital malformations	10.04	10.36	9.98	9.63	10.18	103	99	96	101	
	Intracranial and spinal injury at birth (760)	1.64	1.78	1.67	1.47	1.65	109	102	90	101	
Prenatal and natal group (including congenital malformations)	Other birth injury (including maternal antepartum haemorrhage) (761) Postnatal asphyxia and atelectasis (762) Attributed to maternal toxaemia (769) Erythroblastosis (770) Haemorrhagic disease of newborn (771) Ill-defined diseases of early infancy (773)	0.63 2.94 0.22 0.40 0.26 0.61	0.64 3.01 0.24 0.48 0.33 0.68	0.62 2.92 0.23 0.35 0.24 0.57	0.65 2.86 0.19 0.37 0.20 0.56	0.62 2.99 0.23 0.40 0.24 0.62	102 102 109 120 127 111	98 99 105 88 92 93	103 97 86 93 77 92	98 102 105 100 92 102	
	Immaturity alone, or primary to diseases other than of early infancy (774, 776)	3.34	3.21	3.39	3.33	3.42	96	101	100	102	
102	Total causes mainly of postnatal origin	5.71	8.33	4.35	3.83	6.34	146	76	67	111	
Postnatal group	Causes classified as infective (001-138); others mainly infective in origin (340, 391-393, 470-483, 518, 519, 690-698, 765-768) Pneumonia and bronchitis (490-493, 763, 500-502) Gastro-enteritis and diarrhoea of the newborn (571, 764) Accidental mechanical suffocation from vomit, food, foreign body, or in cot (E921-E925) Lack of care, neglect (including foundlings), infanticide (E926, E980-E985)	0.65 3.89 0.46 0.46 0.10 0.14	0.95 5.81 0.69 0.61 0.08 0.18	0.47 2.94 0.31 0.36 0.15 0.11	0.50 2.35 0.40 0.40 0.08 0.11	0.67 4.46 0.46 0.49 0.10 0.16	146 149 150 133 80 129	72 76 67 78 50 79	77 60 87 87 80 79	103 115 100 107	
	Other violent causés (rem. E800-E999)	1.18	1.29	1.03	1.09	1.33	109	87	92	113	
Unclassified	Neoplasms (140-239) Other remaining causes	0.11	0.10	0.13	0.10	0.10	91	118 87	91 92	91	
Immaturity, or	Immaturity, or with mention of immaturity (774, 776, 760.5-773.5)				7.15	7.68	99	98	98	105	
(771 776)	Immaturity alone, or primary to diseases other than of early infancy (774, 776) Immaturity associated with diseases of early infancy (760.5-773.5)				3.33 3.82	3.42 4.25	96 102	101 96	100 96	102	
All other cause	vs	13.81	17.11	12.20	11.44	14.50	124	88	83	105	

Table C65. Infant mortality rates at various ages, and combined stillbirth and infant mortality rates in standard regions, conurbations, urban and rural aggregates within regional groups and hospital regions, 1963, England and Wales

	Contribations,	di ban a	na rarar			ality per			births Stillbirths and infant deaths. Rates per 1,000 total births									
		Total infant morta- lity (under 1 year)	Neonatal morta- lity (under 4 weeks)	Early neonatal morta- lity (under 1 week)	morta- lity (1 week and under	Post- neonatal morta- lity (4 weeks and under 1 year)	Under 1 day	under		st-neonata period 3 months and under 6 months		Still- births plus infant deaths under 1 year	Still-births (late foetal deaths at or over 28 weeks' gesta-tion)	Still- births plus infant deaths under 1 week	deaths at 1 week and	infont		
	ENGLAND AND WALES	21.13	14.25	12.29	1.96	6.87	7.22	5.07	2.68	2.41	1.78	38.01	17.25	29.33	8.68	31.26		
	Urban and rural aggregates Conurbations	22.26	14.74	12.70	2.04	7.52	7.74	4.97	2.98	2.59	1.94	39.01	17.12	29.61	9.40	31.61		
	Areas outside conurbations: Urban areas with populations of 100,000 and over Urban areas with populations	22.19	14.92	12.84	2.08	7.27	7.82	5.02	2.87	2.69	1.71	39.68 37.83	17.89 17.30	30.50	9.19	32.54 31.04		
	Urban areas with populations of 50,000 and under 100,000 Urban areas with populations	20.88	13.98 13.99	11.98	2.00	6.90	6.94	5.04	2.80	2.28	1.77	37.91	17.90	29.59	8.33	31.64		
	under 50,000 Rural districts	19.20	13.31	11.72	1.59 2.13	5.89 8.27	6.57 8.23	5.15 5.63	2.31 3.17	1.97 3.05	2.05	35.25	16.37 18.76	27.89	7.36	29.46		
	NORTH OF ENGLAND Standard regions:	24.26	15.99	13.65	2.15	0.21	0.2)	3.0)										
103	Northern East and West Ridings North Western	22.73 24.25 25.01	15.84 15.63 16.27	13.87 13.21 14.24	1.97 2.42 2.04	6.89 8.62 8.73	8.51 7.79 8.35	5.36 5.42 5.88	2.52 3.32 3.39	2.74 3.15 3.15	1.63 2.15 2.20	41.46 41.43 43.80	19.17 17.61 19.28	32.77 30.59 33.24	8.69 10.84 10.56	34.71 32.96 35.24		
	Conurbations: Tyneside West Yorkshire South East Lancashire Merseyside	25.14 21.74 25.40 25.40 26.29	16.28 14.82 16.78 16.28 16.53	14.11 12.83 14.20 14.30 14.41	2.17 1.99 2.58 1.98 2.12	8.86 6.93 8.62 9.12 9.76	8.57 7.31 8.71 8.71 8.85	5.55 5.52 5.49 5.59 5.56	3.46 2.63 3.29 3.70 3.72	3.13 2.31 3.16 3.03 3.68	2.27 1.99 2.17 2.39 2:36	43.46 41.30 42.18 43.72 45.61	18.79 19.99 17.22 18.80 19.84	32.64 32.56 31.17 32.83 33.97	10.82 8.74 11.01 10.89 11.64	34.77 34.51 33.71 34.78 36.04		
	Areas outside conurbations: Urban areas with populations of 100,000 and over	25.42	16.66	14.24	2.42	8.75	8.24	6.01	3.71	3.13	1.91	43.82	18.88	32.86	10.96	35.23		
	Urban areas with populations of 50,000 and under 100,000	25.60	16.79	14.71	2.08	8.82	8.28	6.42	3.54	3.37	1.90	43.86	18.74	33.17	10.69	35.21		
	Urban areas with populations under 50,000 Rural districts	22.69 21.54	15.47 14.58	13.20 12.98	2.27	7.22 6.96	7.81 7.59	5.39 5.39	2.41 2.51	2.96 2.65	1.85 1.80	41.33 39.28	19.07 18.13	32.02 30.87	9.30	34.25 32.44		
	WALES AND MIDLANDS	21.36	14.29	12.25	2.04	7.07	6.96	5.29	2.66	2.52	1.89	39.38	18.41	30.44	8.94	32.44		
	Standard regions: Wales North Midland Midland	24.58 19.81 20.89	16.82 12.88 14.06	14.16 11.40 11.91	2.66 1.48 2.15	7.76 6.93 6.83	6.99 6.83 7.04	7.16 4.57 4.87	3.10 2.39 2.63	2.81 2.55 2.35	1.85 2.00 1.84	43.97 36.70 39.05	19.88 17.23 18.55	33.76 28.44 30.24	10.21 8.26 8.81	36.36 29.89 32.35		
	Conurbation: West Midlands	21.79	13.96	11.76	2.20	7.83	6.92	4.83	3.15	2.57	2.11	40.44	19.07	30.60	9.84	32.76		
	Areas outside conurbation: Urban areas with populations of 100,000 and over Urban areas with populations	22.54	15.08	13.09	1.99	7.46	8.21	4.88	2.79	2.97	1.70	40.94	18.83	31.67	9.27	33.62		
	of 50,000 and under 100,000 Urban areas with populations	21.64	14.87	12.77	2.10	6.77	6.89	5.87	2.70	2.34	1.74	40.62	19.40	31.92	8.70	32.72		
	under 50,000 Rural districts	21.21 20.19	14.23 13.88	12.13	2.10	6.98	6.28	5.85 5.22	2.57	2.49	1.92	39.56 36.75	18.75 16.90	28.71	8.03	30.54		

		•	In	fant mort	ality per	1,000	live b	irths				illbirths ates per			
	Total infant	Neonatal morta-	neonatal		Post- neonatal morta-	III	y neo- period		st-neonata period	al	Still- births	Still- births (late foetal	Still- births	Infant deaths	Inintha
	morta- 11ty (under 1 year)	11ty (under 4 weeks)	morta- lity (under 1 week)	lity (1 week and under 4 weeks)	lity (4 weeks and under 1 year)	Under	under	4 weeks and under 3 months	3 months and under 6 months	6 months and under 1 year		deaths at or over 28 weeks!		at 1 week and over	infant
SOUTH AND EAST OF ENGLAND (excluding Greater London)	18.15	12.65	10.90	1.75	5.50	6.31	4.59	2.27	1.75	1.48	33.73	15.86	26.59	7.14	28.31
Standard regions: London and South Eastern															
(excluding Greater London) Southern South Western Eastern	18.54 19.15 18.64 16.70	12.80 13.06 13.03 11.90	11.05 11.43 11.07 10.24	1.75 1.64 1.96 1.66	5.74 6.09 5.61 4.80	6.57 6.94 6.70 5.29	4.48 4.49 4.36 4.95	2.34 2.74 2.29 1.83	1.85 1.73 1.81 1.65	1.55 1.62 1.51 1.31	33.96 34.16 34.55 32.54	15.71 15.30 16.21	26.58 26.55 27.10	7.37 7.61 7.44	28.31 28.16 29.03
Urban areas with populations	10.70	11.50	10.24	1.00	4.00	0.29	4.90	1.00	1.05	1.01	02.54	16.11	26.19	6.36	27.82
of 100,000 and over Urban areas with populations	19.63	13.55	11.63	1.92	6.08	7.18	4.45	2.35	2.15	1.58	35.68	16.37	27.82	7.86	29.70
of 50,000 and under 100,000 Urban areas with populations	17.96	12.06	10.15	1.92	5.90	6.22	3.93	2.43	2.04	1.42	33.32	15.65	25.63	7.69	27.52
under 50,000 Rural districts	18.02 17.58	12.71 12.41	10.76	1.95 1.42	5.31 5.17	6.18 5.99	4.58 5.00	2.11 2.28	1.61 1.52	1.60 1.37	34.08 32.60	16.36 15.29	26.94 26.12	7.14 6.49	28.85
GREATER LONDON	20.01	13.71	11.83	1.88	6.31	7.30	4.53	2.54	2.16	1.61	34.82	15.11	26.76	8.06	28.61
HOSPITAL RECIONS: Newcastle Leeds Sheffield East Anglia North West Metropolitan	22.92 24.31 21.19 17.78	16.02 16.09 13.38 12.54	14.02 13.52 11.76 10.86	2.01 2.57 1.62 1.67	6.90 8.21 7.81 5.25	8.64 8.14 6.93 5.88	5.38 5.33 4.83 4.99	2.52 3.07 2.88 1.86	2.77 3.00 2.88 1.82	1.61 2.15 2.05 1.56	41.86 40.91 38.71 34.17	19.38 17.02 17.91 16.68	33.13 30.31 29.45 27.36	8.73 10.60 9.26 6.80	35.10 32.84 31.05 29.01
North East Metropolitan South East Metropolitan South West Metropolitan Wessex Oxford	18.13 19.57 19.73 18.99 19.83 17.74	12.81 13.48 13.42 13.03 13.71 12.26	11.23 11.48 11.59 11.18 11.81 10.81	1.58 2.00 1.83 1.85 1.90 1.45	5.32 6.09 6.31 5.96 6.12 5.48	6.60 6.78 6.84 6.82 7.18 6.25	4.63 4.70 4.75 4.35 4.63 4.56	2.27 2.28 2.50 2.51 2.64	1.67 2.25 2.11 1.96 1.77	1.38 1.56 1.70 1.50 1.71	33.24 35.51 35.68 31.83 35.69	15.39 16.26 16.27 13.09 16.18	26.45 27.55 27.67 24.12 27.80	6.79 7.95 8.01 7.71 7.89	28.01 29.52 29.48 25.95 29.67
South Western Welsh Birmingham Manchester Liverpool	17.74 18.50 24.58 20.89 24.64 25.47	12.76 16.82 14.06 15.93 16.76	10.81 10.81 14.16 11.91 13.81 14.87	1.45 1.95 2.66 2.15 2.12 1.90	5.75 7.76 6.83 8.71	6.73 6.99 7.04 8.11	4.50 4.08 7.16 4.87 5.70 6.18	2.22 2.41 3.10 2.63 3.32 3.47	1.54 1.91 2.81 2.35 3.06 3.32	1.72 1.43 1.85 1.84 2.33 1.92	32.82 34.26 43.97 39.05 43.25 44.59	15.34 16.05 19.88 18.55 19.08 19.62	25.99 26.69 33.76 30.24 32.62 34.20	6.83 7.57 10.21 8.81 10.63 10.40	27.42 28.61 36.36 32.35 34.70 36.05

Table C66. Infant deaths per 1,000 live births in regional groups from the principal causes of infant mortality; regional group rates as percentages of corresponding national rates, 1963, England and Wales

				Rates pe	er 1,000 l	ive births				rates per und Wales ra	
	Aetiological group	Cause of death (and ICD No.)	England and Wales	of	Wales and Midlands	South and East of England (excluding Greater London)	Greater London	North of England	Wales and Midlands	South and East of England (excluding Greater London)	Greater London
		All causes	21.13	24.26	21.36	18.15	20.01	115	101	86	95
		Congenital malformations (750-759)	4.20	4.54	3.95	4.15	4.00	108	94	99	95
		Total causes mainly of prenatal and natal origin other than congenital malformations	10.04	11.29	10.06	8.74	9.87	112	100	87	98
		Intracranial and spinal injury at birth (760)	1.64	1.88	1.85	1.32	1.47	115	113	80	90
	Prenatal and natal	Other birth injury (including maternal antepartum haemorrhage) (761)	0.63	0.66	0.60	0.65	0.59	105	95	103	94
105	congenital malformations) A Hall Hall II	Postnatal asphyxia and atelectasis (762)	2.94	3.50	2.66	2.53	3.01	119	90	86	102
1		Attributed to maternal toxaemia (769)	0.22	0.17	0.20	0.30	0.23	77	91	136	105
		Erythroblastosis (770)	0.40	0.42	0.38	0.38	0.44	105	95	95	110
		Haemorrhagic disease of newborn (771)	0.26	0.30	0.21	0.24	0.27	115	81	92	104
		Ill-defined diseases of early infancy (773)	0.61	0.54	0.73	0.51	0.71	89	120	84	116
_		Immaturity alone, or primary to diseases other than of early infancy (774, 776)	3.34	3.83	3.44	2.83	3.14	115	103	85	94
		Total causes mainly of postnatal origin	5.71	7.22	6.06	4.18	5.00	126	106	73	88
		Causes classified as infective (001-138) and others mainly infective in origin (340, 391-393, 470-483, 518, 519, 690-698, 765-768)	0.65	0.77	0.65	0.56	0.57	118	100	86	88
		Septicaemia, skin and subcutaneous tissue infections and sepsis of newborn (053, 690-698, 765-768)	0.13	0.15	0.11	0.13	0.10	. 115	85	100	77
		Whooping cough and measles (056, 085)	0.06	0.10	0.07	0.03	0.03	167	117	50	50
		Meningococcal infections and non-menin- gococcal meningtis (057, 340)	0.23	0.25	ó.25	0.20	0.23	109	109	87	100

Table C66 - continued

	Action of the contract of the		Rates p	er 1,000]	live births		Regio	onal group England	rates per and Wales ra	cent
Aetiological group	Cause of death (and ICD No.)	England and Wales	of	Wales and Midlands	South and East of England (excluding Greater London)	Greater London	North of England	Wales and Midlands	South and East of England (excluding Greater London)	Greater London
Postnatal group-(contd.)	Causes classified as infective not specified above (rem. 001-138)	0.07	0.09	0.06	0.05	0.07	129	86	71	100
	Otitis media and mastoiditis, empyema and pleurisy (391-393, 518, 519)	0.08	0.08	0.07	0.09	0.05	100	88	112	62
	Acute upper respiratory infections, and influenza (470-475, 480-483)	0.08	0.10	0.09	0.06	0.09	125	112	75	112
	Pneumonia and bronchitis (490-493, 763, 500-502)	3.89	5.03	. 4.03	2.61	3.71	129	104	67	95
	Gastro-enteritis (including diarrhoea of newborn) (571, 764)	0.46	0.64	0.57	0.24	0.36	139	124	52	78
3	Accidental mechanical suffocation from vomit, food, foreign body, or in cot (E921-E925)	0.46	0.53	0.53	0.53	0.15	115	115	115	33
	Lack of care, neglect (including foundlings), infanticide (E926, E980-E985)	0.10	0.11	0.11	0.10	0.10	110	110	100	100
	Other violent causes (rem. E800-E999)	0.14	0.14	0.17	0.14	0.10	100	121	100	71
	Total causes remaining	1.18	1.21	1.29	1.08	1.14	103	109	92	97
Unclassified Neoplasms (140-239) Other remaining causes Immaturity, or with mention of immaturity (774, 776, 760.5-773.5		0.11	0.11	0.09	0.11	0.14	100 103	82 112	100 91	127 93
		7.31	8.37	7.24	6.23	7.29	114	99	85	100
Immaturity alone, or primary to diseases other than of early infancy (774, 776) Immaturity associated with diseases of early infancy		3.34	3.83	3.44	2.83	3.14	115	103	85	94
(760.5–773	(5)	3.98	4.54	3.80	3.40	4.15	114	95	85	104
All other caus	All other causes			14.12	11.92	12.72	115	102	86	92

Table C67. Trend of stillbirths, per 1,000 total births, and of deaths in the neonatal, and postneonatal periods per 1,000 live births, in standard regions, 1959 to 1963, England and Wales

	HALLER CONTROL OF THE SECURE	Daniel Steel	Wale	S	4 1 1 1 1 1					
			Rates i	n each to 1963					to 196 ite in 1	
		1959	1960	1961	1962	1963	1960	1961	1962	1963
	ENGLAND AND WALES	20.8	19.8	19.0	18.1	17.2	95	91	87	83
	NORTH OF ENGLAND Northern East and West Ridings North Western	22.3 22.4 20.9 23.2	21.9 22.3 20.9 22.3	21.0 21.7 20.1 21.2	19.5 19.6 18.4 19.9	18.8 19.2 17.6 19.3	98 100 100 96	94 97 96 91	87 88 88 86	84 86 84 83
Stillbirths (at or over 28 weeks' gestation) per 1,000 total births	WALES AND MIDLANDS Wales North Midland Midland	23.1 26.3 21.2 22.9	21.4 23.6 20.6 20.9	20.4 22.4 19.6 19.9	19.8 22.0 18.7 19.5	18.4 19.9 17.2 18.5	93 90 97 91	88 85 92 87	86 84 88 85	80 76 81 81
total bil mo	SOUTH AND EAST OF ENGLAND (excluding Greater London) London and South Eastern (excluding Greater	18.7	17.5	17.0	16.2	15.9	94	91	87	85
	London) Southern South Western Eastern	18.6 18.1 19.7 18.5	17.1 16.2 18.3 17.9	16.3 16.2 18.3 17.1	15.7 15.5 17.8 15.7	15.7 15.3 16.2 16.1	92 90 93 97	88 90 93 92	84 86 90 85	84 85 82 87
	GREATER LONDON	17.9	17.1	16.6	16.3	15.1	96	93	91	84
	ENGLAND AND WALES	15.9	15.5	15.3	15.1	14.3	97	96	95	90
	NORTH OF ENGLAND Northern East and West Ridings North Western	17.5 18.0 16.7 17.8	17.1 17.4 16.0 17.6	16.9 16.5 16.4 17.4	16.8 16.8 15.9 17.3	16.0 15.8 15.6 16.3	98 97 96 99	97 92 98 98	96 93 95 97	91 88 93 92
Neonatal mortality per 1,000	WALES AND MIDLANDS Wales North Midland Midland	16.8 19.6 15.2 16.6	16.1 18.7 14.8 15.8	15.6 17.5 14.4 15.6	15.4 16.9 14.6 15.2	14.3 16.8 12.9 14.1	96 95 97 95	93 89 95 94	92 86 96 92	85 86 85 85
lîve births	SOUTH AND EAST OF ENGLAND (excluding Greater London) London and South Eastern	13.6	13.6	13.5	13.4	12.7	100	99	99	93
	(excluding Greater London) Southern South Western Eastern	13.7 13.3 13.6 13.6	13.2 13.5 14.4 13.3	13.8 13.7 13.2 13.3	12.8 13.7 14.0 13.0	12.8 13.1 13.0 11.9	96 102 106 98	101 103 97 98	93 103 103 96	93 98 96 88
	GREATER LONDON	15.1	14.8	15.0	14.4	13.7	98	99	95	91
	ENGLAND AND WALES	6.3	6.3	6.1	6.6	6.9	100	97	105	110
	NORTH OF ENGLAND Northern East and West Ridings North Western	7.4 7.2 7.6 7.4	7.7 7.2 7.0 8.3	7.4 6.7 7.8 7.5	8.0 7.5 7.3 8.6	8.3 6.9 8.6 8.7	104 100 92 112	100 93 103 101	108 104 96 116	96 113 118
Post-neonatal mortality per 1,000	WALES AND MIDLANDS Wales North Midland Midland	6.7 6.7 6.8	6.6 6.6 7.0 6.2	6.2 6.6 5.6 6.5	7.2 8.4 6.8 6.9	7.1 7.8 6.9 6.8	98 98 104 91	93 98 84 96	107 125 101 101	106 116 103 100
live births	SOUTH AND EAST OF ENGLAND (excluding Greater London) London and South Eastern	5.3	5.2	5.4	5.4	5.5	98	102	102	104
	(excluding Greater London) Southern South Western Eastern	5.4 5.6 5.4 5.0	5.3 5.3 4.8 5.2	5.4 5.8 5.1 4.9	5.7 5.9 5.6 4.6	5.7 6.1 5.6 4.8	98 95 89 104	100 104 94 98	106 105 104 92	106 109 104 96
	GREATER LONDON	5.4	5.1	4.9	5.2	6.3	94	91	96	117
				THE RESERVE THE PARTY OF THE PA	Name of Street, or other Designation of the Owner, where the Parket of the Owner, where the Owner, which the Owner, where the Owner, which the		A COLUMN TWO IS NOT THE OWNER.			The second second

Table C68. Maternal deaths from principal causes, and

			MA	TERNAL DEATH	S (complicati	ons of pre	gnancy, childb	oirth and p	uerperium,
	Puerperal phlebitis, thrombo- sis and embolism	Puerperal sepsis	Ante- partum haemor- rhage	Post- partum haemor- rhage	Toxaemia	Pro- longed labour	Trauma, shock: other complica- tion of delivery	Other causes	Total maternal causes other than abortion
ICD No.	682, 684	640, 641, 681	643, 644, 670	671, 672	642, 685, 686	673–675	676–678	Rem. 640-648 660-689	640–648 660–689
1931 1932 1933 1934 1935	215 226 206 188 192	712 628 694 800 647	3: 3: 3:	30 34 10 04 92	494 511 508 538 488		507 514 533 537 507)	2,258 2,213 2,251 2,367 2,126
1936 1937 1938	183 152 178	561 347 277	30	02 07 12	510 510 472		455 457 503		2,011 1,773 1,742
1939	154	248	117	179	478		467		1,643
1940	134	195	106	180	398	125	111	124	1,373
1941 1942 1943 1944 1945	134 128 136 107 86	141 151 132 105 82	101 87 86 84 68	210 198 187 179 158	381 410 375 328 321	155 158 165 176 148	109 94 106 87 72	122 133 112 113 92	1,353 1,359 1,299 1,179 1,027
1946 1947 1948 1949 1950	102 110 67 56 62	53 33 33 32 28	85 56 46 38 44	162 156 115 90 38	359 312 249 199 185	117 110 66 69 42	83 63 55 60 54	91 777 55 65 66	1,052 917 686 609 517
1951 1952 1953 1954 1955	49 52 49 51 55	16 10 17 13 17	35 19 39 32 24	53 39 51 44 41	141 122 143 104 91	38 32 31 32 31	37 43 34 41 23	50 56 55 53 57	419 373 419 370 339
1956 1957 1958 1959 1960	32 32 40 30 27	13 18 13 17 8	33 27 25 21 25	24 22 33 23 19	93 77 66 57 63	34 27 21 18 26	15 23 20 26 36	58 46 47 51 44	302 272 265 243 248
1961 1962 1963	24 34 20	6 12 8	20 23 17	23 20 21	55 53 46	15 20 9	32 23 18	45 57 55	220 242 194

*Note. Excludes the following cases in which it was stated that death followed the maternal condition after an 1959-21, 1960-26, 1961-11, 1962-20, 1963-24.

associated maternal deaths, 1931 to 1963, England and Wales

includin	ag abortion)	2 000 WHO!	ikaitqoosi K	27k9 57 LAX	THE PARTY IN	ASSOC	DEATHS	NAL	Total
	Aborti	lon							attributed to, or
Cri	lminal	01	ther	Abortion all	Total*	Other than	With	Total	associated with,
With sepsis	Without mention of sepsis	With sepsis	Without mention of sepsis	forms	deaths	abortion	abortion		maternal causes
651.2	650.2 652.2	Rem. 651	Rem. 650, 652	650–652	640-689	,285			
52	27	229	140	448	2,706	834	77	911	3,617
46	23	262	139	470	2,683	623	90	713	3,396
56	29	257	144	486	2,737	731	97	828	3,565
67	33	295	118	513	2,880	683	64	747	3,627
64	30	262	108	464	2,590	638	74	712	3,302
49	24	242	105	420	2,431	541	70	611	3,042
56	28	176	109	369	2,142	585	104	689	2,831
54	26	173	101	354	2,096	449	81	530	2,626
80	28	167	79	354	1,997	429	49	478	2,475
43	33	116	76	268	1,641	368	56	424	2,065
66	24	145	90	325	1,678	358	47	405	2,083
64	12	175	62	313	1,672	363	49	412	2,084
76	15	166	64	321	1,620	437	57	494	2,114
75	7	168	63	313	1,492	383	52	435	1,927
65	9	109	50	233	1,260	342	19	361	1,621
41	5	69	42	157	1,209	353	37	390	1,599
37	3	54	49	143	1,060	264	44	308	1,368
34	4	55	32	125	811	231	16	247	1,058
20	9	58	31	118	727	157	19	176	903
25	21	39	18	103	620	180	21	201	821
33	26	34	14	107	526	151	9	160	686
19	28	28	15	90	463	153	8	161	624
17	24	22	13	76	495	121	7	128	623
10	25	22	19	76	446	116	5	121	567
17	15	22	15	66	405	108	7	115	520
20	16	20	16	72	374	119	6	125	499
15	15	18	13	61	333	122	6	128	461
8	12	27	16	63	328	94	4	98	426
13	10	16	8	47	290	75	7	82	372
12	18	21	11	62	310	70	5	75	385
8	15	24	7	54	274	68	3	71	345
11	18	17	11	57	299	75	2	77	376
15	6	17	11	49	243	61	6	67	310

Interval of more than 12 months: 1951-40, 1952-35, 1953-32, 1954-34, 1955-34, 1956-25, 1957-16,1958-22,

Table C69- Maternal mortality rates, distinguishing principal causes, and associated

		A 19327 A.M. 321 A. 227 A.M.	М	ATERNAL MOR	RTALITY RAT	ES (complie	cations of p	regnancy,	childbirth
	Puerperal phlebitis, thrombo- sis and embolism	Puerperal sepsis	Ante- partum haemor- rhage	Post- partum haemor- rhage	Toxaemia	Pro- longed labour	Trauma, shock: other complica- tion of delivery	Other causes	Total maternal causes other than abortion
ICD No.	682, 684	640, 641, 681	643, 644, 670	671, 672	642, 685, 686	673–675	676-678	Rem. 640-648 660-689	640–648 660–689
1931 1932 1933 1934 1935	33 35 34 30 31	108 98 115 128 104	5 5 5 4 4	2 1 9	75 80 84 86 78		777 80 88 86 81		343 346 372 380 341
1936 1937 1938	29 24 28	89 55 43	4 4 4	8	81 80 73		72 72 78		319 279 270
1939	24	39	18	28	75		73		257
1940	22	32	17	29	65	20	18	20	224
1941 1942 1943 1944 1945	22 19 19 14 12	24 22 19 14 12	17 13 12 11 10	35 29 27 23 23	64 61 53 42 46	26 23 23 23 23 21	18 14 15 11 10	20 20 16 15 13	226 202 184 153 147
1946 1947 1948 1949 1950	12 12 8 7 9	6 4 4 4 4	10 6 6 5 6	19 17 14 12 5	43 35 31 27 26	14 12 8 9 6	10 7 7 8 8	11 9 7 9	125 102 86 81 72
1951 1952 1953 1954 1955	7 8 7 7 8	2 1 2 2 2	5 3 6 5 4	8 6 7 6 6	20 18 20 15 13	5 5 4 5 5	5 6 5 6 3	7 8 8 8 8	60 54 60 54 50
1956 1957 1958 1959 1960	4 4 5 4 3	2 2 2 2 2 1	5 4 3 3 3	3 3 4 3 2	13 10 9 7 8	5 4 3 2 3	2 3 3 3 4	8 6 6 7 5	42 37 35 32 31
1961 1962 1963	3 4 2	1 1 1	2 3 2	3 2 2	7 6 5	2 2 1	4 3 3	5 7 6	27 28 22

Note. Figures for 1931 to 1938 are based on live and still birth registrations, and from 1939 onwards on

maternal mortality rates per 100,000 total births, 1931 to 1963, England and Wales

Criminal	and puerp	erium, includ	uding abort	ion)				TALITY RATES		
Without mention of sepsis Sepsis Sepsis Without mention of sepsis Sepsis	Onim		STATE STATE	her	Abortion	Total*	Other			Total attributed
88 4 35 21 68 411 127 12 138 549 7 4 41 22 73 419 97 14 111 530 9 5 42 24 80 452 121 16 137 589 11 5 47 19 82 462 110 10 120 582 10 5 42 17 74 415 102 12 114 529 8 4 38 17 67 386 86 11 97 483 9 4 28 17 58 337 92 16 108 446 8 4 27 16 55 324 70 13 82 407 13 4 26 12 55 313 67 8 75 387 9 2 2	With	Without mention	With	Without mention	all	maternal mortality	than		Total	associated with, maternal causes
7 4 41 22 73 419 97 14 111 530 59 5 42 24 80 452 121 16 137 589 11 5 47 19 82 462 110 10 120 582 121 10 120 120 582 114 529 114 529 114 120 582 114 529 114 120 582 114 529 114 529 114 529 114 529 114 529 114 529 114 529 114 529 114 529 114 529 114 529 114 529 114 529 114 529 114 52 114 529 114 529 114 44 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114	651.2				650-652	640-689				12/07
9 4 28 17 58 337 92 16 108 446 13 4 26 12 55 313 67 8 75 387 7 5 19 12 44 268 60 9 69 337 11 4 24 15 54 280 60 8 68 347 9 2 26 9 46 248 54 7 61 309 11 2 24 9 45 230 62 8 70 300 10 1 22 8 41 193 50 7 56 249 9 1 16 9 33 180 49 3 52 232 5 1 8 5 19 143 42 4 46 190 4 0 6 5 16 117 29 5 34 152 4 1 7 </td <td>7 9 11</td> <td>4 5 5</td> <td>41 42 47</td> <td>22 24 19</td> <td>73 80 82</td> <td>419 452 462</td> <td>97 12<u>1</u> 110</td> <td>14 16 10</td> <td>111 137 120</td> <td>530 589 582</td>	7 9 11	4 5 5	41 42 47	22 24 19	73 80 82	419 452 462	97 12 <u>1</u> 110	14 16 10	111 137 120	530 589 582
7 5 19 12 44 268 60 9 69 337 11 4 24 15 54 280 60 8 68 347 9 2 26 9 46 248 54 7 61 309 11 2 24 9 45 230 62 8 70 300 10 1 22 8 41 193 50 7 56 249 9 1 16 9 33 180 49 3 52 232 5 1 8 5 19 143 42 4 46 190 4 0 6 5 16 117 29 5 34 152 4 1 7 4 16 102 29 2 31 133 3 1 8 4	9	4	28	17	58	337	92	16	108	446
11 4 24 15 54 280 60 8 68 347 9 2 26 9 46 248 54 7 61 309 11 2 24 9 45 230 62 8 70 300 10 1 22 8 41 193 50 7 56 249 9 1 16 9 33 180 49 3 52 232 5 1 8 5 19 143 42 4 46 190 4 0 6 5 16 117 29 5 34 152 4 1 7 4 16 102 29 2 31 133 3 1 8 4 16 97 21 3 24 121 4 3 5 3 14 87 25 3 28 115 5 4 5 2 15 76 22 1 23 99	13	4	26	12	55	313	67	8	75	387
9 2 26 9 46 248 54 7 61 309 11 2 24 9 45 230 62 8 70 300 10 1 22 8 41 193 50 7 56 249 9 1 16 9 33 180 49 3 52 232 5 1 8 5 19 143 42 4 46 190 4 0 6 5 16 117 29 5 34 152 4 1 7 4 16 102 29 2 31 133 3 1 8 4 16 97 21 3 24 121 4 3 5 3 14 87 25 3 28 115 5 4 5 2 15 76 22 1 23 99	7	5	19	12	44	268	60	9	69	337
4 0 6 5 16 117 29 5 34 152 4 1 7 4 16 102 29 2 31 133 3 1 8 4 16 97 21 3 24 121 4 3 5 3 14 87 25 3 28 115 5 4 5 2 15 76 22 1 23 99	9 11 10	2 2 1	26 24 22	9 9 8	46 45 41	248 230 193	54 62 50	7 8 7	61 70 56	347 309 300 249 232
	4 4 3	0 1 1	6 7 8	5 4 4	16 16 16	117 102 97	29 29 21	5 2 3	34 31 24	190 152 133 121 115
1 4 3 3 11 65 17 1 18 82	3 2 1	4 3 4	4 3 3	2 2 3	13 11 11	67 71 65	22 17 17	1 1	23 18 18	99 91 89 82 76
3 2 3 2 10 52 17 1 17 70 2 2 2 2 8 45 16 1 17 62 1 2 4 2 8 43 12 1 13 56 2 1 2 1 6 38 10 1 11 49 1 2 3 1 8 39 9 1 9 48	2	2 2 2 1 2	3 2 4 2 3	2 2 2 1 1	10 8 8 6 8	45	16 12 10	1 1	17 13 11	70 62 56 49 48
1 2 2 1 1 7 35 9 0 9 44	1	2 2 1	3 2 2	1	7	33 35 28	9	0	9	42 44 36

occurrences.

*See footnote to Table C68.

Table C70. Maternal deaths attributed to or associated with abortion, 1931 to 1963, England and Wales

Larer Society Society Society Society	Spontane induce therap reas	ed for eutic		ed for rapeutic	Total attributed to abortion	Others associated with	Total attributed to, or associated	Percentage of deaths due to abortion which had
na en Namasan Namasan	With sepsis	Without sepsis	With sepsis	Without sepsis*	(including criminal)	abortion	with, abortion	mention of sepsis
1931	229	140	52	27	448	77	525	63
1932	262	139	46	23	470	90	560	66
1933	257	144	56	29	486	97	583	64
1934	295	118	67	33	513	64	577	71
1935	262	108	64	30	464	74	538	70
1936	242	105	49	24	420	70	490	69
1937	176	109	56	28	369	104	473	63
1938	173	101	54	26	354	81	435	64
1939	167	79	80	28	354	49	403	70
1940	116	76	43	33	268	56	324	59
1941	145	90	66	24	325	47	372	65
1942	175	62	64	12	313	49	362	76
1943	166	64	76	15	321	57	379	75
1944	168	63	75	7	313	52	367	78
1945	109	50	65	9	233	19	253	75
1946	69	42	41	5	157	37	194	70
1947	54	49	37	3	143	44	184	64
1948	55	32	34	4	125	16	139	71
1949	58	31	20	9	118	19	137	66
1950	39	18	25	21	103	21	124	62
1951	34	14	33	26	107	9	116	63
1952	28	15	19	28	90	8	98	52
1953	22	13	17	24	76	7	83	51
1954	22	19	10	25	76	5	81	42
1955	19	15	17	15	66	7	75	56
1956	20	16	20	16	72	6	78	56
1957	18	13	15	15	61	6	67	54
1958	27	16	8	12	63	4	67	56
1959	16	8	13	10	47	7	54	62
1960	21	11	12	18	62	5	67	53
1961	24	7	8	15	54	3	57	59
1962	17	11	11	18	57	2	59	49
1963	17	11	15	6	49	6	55	65

^{*} Deaths due to attempted abortion, formerly classed to accidental causes, are included for years 1950 onwards.

Table C71. Deaths assigned to pregnancy or childbearing, by age and cause, 1963, England and Wales

						-			
ICD No.	Cause of death	All ages	15-	20-	25-	30-	35-	40-	45 and over
(110	Complications of pregnancy	93	3	21	19	21	18	9	2
640-648 640	Pyelitis and pyelonephritis of pregnancy	3	1	1	_	_	1	-	-
641	Other infections of genito-urinary tract								
	during pregnancy	-	-	-	-	_	-	-	-
642	Toxaemias of pregnancy	43	2	11	8 -	5 -	10	6	1
643	Placenta praevia Other haemorrhage of pregnancy	6	_		2	1	3	_	
644	Ectopic pregnancy	16	_	_	3	9	3	1	-
646	Anaemia of pregnancy	2	-	2	-	-	-	-	-
647	Pregnancy with malposition of foetus in								
	other complications arising from preg-	_			T			-	
648	nancy	23	_	7	6	6	1	2	1
	1101101								
650-652	Abortion	49	4	10	7	16	10	2	-
650	Abortion without mention of sepsis or	14	1	3	1	4	4	1	
054	toxaemia Abortion with sepsis	14 32	3	7	5	11	5	1	_
651 652	Abortion with toxaemia, without mention	02							
002	of sepsis	3	-	-	1	1	1	-	-
					•		•	1	
660	Delivery without mention of complication	6	-	-	2	1	2	•	
670-678	Delivery with specified complication	59	1	6	9	15	18	8	2
670	Delivery complicated by placenta praevia								
	or antepartum haemorrhage	11	-	1	1	5	1 3	3	-
671	Delivery complicated by retained placenta Delivery complicated by other post-partum	6	-	-	1	1	0	7	
672	haemorrhage	15	_	2	4	2	5	1	1
673	Delivery complicated by abnormality of								
	bony pelvis	-	-	-	-	-	-	-	-
674	Delivery complicated by disproportion or	3	1	1				1	
675	malposition of foetus Delivery complicated by prolonged labour	3	1	Т		_	_	1	
075	of other origin	6	_	1	-	2	-	2	1
676	Delivery with laceration of perineum,								
	without mention of other laceration		-	-	1	_	6	-	_
677 678	Delivery with other trauma Delivery with other complications of	7	-				0		
0.18	childbirth	11	-	1	2	5	3	_	-
	0.111401-01								
680-689	Complications of the puerperium	36	2	11	10	2	9	2	-
680	Puerperal urinary infection without other	_			_	_	_	_	_
681	sepsis Sepsis of childbirth and the puerperium	5	_	1	3	_	1	_	-
682	Puerperal phlebitis and thrombosis	15	1	4	4	1	5	-	-
683	Pyrexia of unknown origin during the								
20.4	puerperium	_	-	-	2	-	1	1	_
684 685	Puerperal pulmonary embolism Puerperal eclampsia	5 2		1 2	2 -		_		_
686	Other forms of puerperal toxaemia	1 1	_	2 -	_	_	1	-	_
687	Cerebral haemorrhage in the puerperium	4	1	-	1	1	1.	-	-
688	Other and unspecified complications of								
600	the puerperium	4	-	3	5 m 7 m	Ī	_	1 -	
689	Mastitis and other disorders of lactation	_	_						
640-648	Total (evaluding shortism)	194	6	38	40	39	47	20	4
660-689	Total (excluding abortion)	194		76	40	,,			
640-689	Total	243	10	48	47	55	57	22	4
									onus.
Note. Ex	cludes 24 cases in which it was stated that	death fo	Dawoll	the mat	ernal (onditio	n after	an int	erval

Note: Excludes 24 cases in which it was stated that death followed the maternal condition after an interval of 12 months.

Table C72. Deaths not assigned to pregnancy or childbearing but certified as associated therewith, 1963, England and Wales

	associated therewith, 196	3, E	ngla	nd an	id Wa	les			
ICD No.	Cause of death	Allages	15-	20-	25~	30-	35~	40-	45 and over
003.1	Pleurisy with effusion (tuberculosis)	1	-	1	-	-		-	-
134.3	Monilia infection	1	-	1	-	-	-	-	-
140-199	Malignant neoplasms	9	-	2	2	2	1	2	-
211	Neoplasm, benign (digestive system)	1	-	-	-	1	-	-	-
214	Uterine fibromyoma	1	-	-	-	-	1	-	-
224	Neoplasm, benign (endocrine glands)	1	-	-	1	-	-	-	-
254	Other diseases of thyroid gland	1	-	-	-	-	1	-	-
260	Diabetes mellitus	1	-	-	-	1	-	-	-
290.2	Other hyperchromic anaemia	1	-	-	-	-	1	-	-
330	Subarachnoid haemorrhage	1	-	-	-	-	1	-	-
332	Cerebral thrombosis	1	-	-	-	-	1	-	-
342	Intracranial abscess	1	-	1	-	-	-	-	-
343	Encephalitis	1	-	-	1	-	-	-	-
410	Mitral stenosis	13	-	2	5	2	2	2	-
415	Rheumatic myocarditis	1	-	-	-	-	1	-	-
416	Rheumatic heart disease	3	-	1	1	-	1	-	-
420.1	Coronary disease	3	-	1	-	1	-	1	-
430.0	Acute endocarditis	2	-	-	1	-	1	-	-
434.1	Congestive heart failure	1	-	-	1	-	-	-	-
456	Other disease of artery	1	-	-	-	-	1	-	-
460	Varicose vein	1	-	-	-	-	-	1	-
490~493	Pneumonia	5	-	-	1	2	1	1	-
541.0	Ulcer of duodenum (without perforation)	1	-	-	-	1	-	-	-
550.0	Acute appendicitis (without peritonitis)	1	-	-	1	-	-	-	-
550.1	Acute appendicitis (with peritonitis)	1	-	1	-	-	-	-	-
560.4	Hernia (without obstruction)	1	-	-	-	1	-	-	-
572.2	Ulcerative colitis	1	-	-	1	-	-	-	-
585	Cholecystitis without calculi.	1	-	-	-	-	1	-	-
751	Spina bifida	1	1	-	-	-	-	-	-
754	Congenital malformations of circulatory system	3	1	-	1	1	-	-	-
E800-E999	Accidents, poisonings, violence	6	1	1	-	2	2	-	
	Total	67	3	11	16	14	16	7	-
	Associated with abortion (included above)	6	2	1	1	ı	1,	-	-

Table C73. Tuberculosis of the respiratory system, death rates per million living, by sex and age, 1953 to 1963, England and Wales

	0-	5-	10-	15-	20-	25-	35-	45-	55~	65-	75 and over
						Males					
1953 1954 1955	14 9 3	2 1	3 1 1	18 13 8	71 55 30	156 130 93	214 192 131	413 370 307	712 643 535	814 778 705	445 406 420
1956 1957 1958 1959 1960	7 3 3 4 1	1 1 -	2 2 -	7 3 6 2 3	14 12 13 6 1	71 40 38 31 20	113 105 85 73 55	231 193 166 141 121	456 410 401 325 297	640 605 572 528 492	463 436 416 480 436
1961 1962 1963	3 1 1	1 1	1 - -	- 1 2	3 3 1	12 11 10	57 45 49	118 96 99	270 249 239	477 487 412	418 409 435
						emales					-
1953 1954 1955	17 11 6	5 2 2	3 3 4	32 31 12	122 84 56	174 143 113	146 145 101	116 104 84	130 107 95	162 137 111	140 117 115
1956 1957 1958 1959 1960	4 4 3 4 3	1 1 1 1	- 1 1 1	66623	35 12 14 7 3	80 70 48 33 26	79 75 58 44 40	62 53 51 46 42	70 55 69 53 44	111 80 99 86 77	125 91 101 95 91
1961 1962 1963	1 1	- 1 1	=	2 1 -	4 2 3	21 17 14	39 31 31	44 38 36	52 49 40	70 68 49	93 82 77

Table C74. Tuberculosis of the respiratory system, notification rates* per 100,000 living, by sex and age, 1953 to 1963, England and Wales

	All ages	0-	5-	15-	25-	35-	45-	65 and over
				Ma	les			
1953	110	49	49	155	133	114	139	85
1954	100	41	40	143	125	106	126	82
1955	92	36	34	125	110	96	121	81
1956	88	29	28	115	101	92	121	87
1957	82	26	23	99	97	90	114	87
1958	76	25	21	89	86	81	108	87
1959	70	21	17	70	79	79	102	89
1960	60	24	15	59	65	68	88	77
1961	55	18	14	48	59	61	84	74
1962	52	18	14	44	60	59	77	69
1963	47	18	13	39	55	51	6 8	63
				Fen	nales			
1953	77	45	52	201	141	73	34	18
1954	68	37	44	187	124	63	30	17
1955	60	35	38	156	112	59	30	17
1956	55	30	31	139	101	57	29	18
1957	49	30	27	116	90	55	29	17
1958	43	25	24	97	79	47	26	17
1959	39	22	19	83	69	49	25	16
1960	33	20	18	63	60	39	23	15
1961	29	18	16	52	50	37	21	14
1962	26	18	16	43	44	32	19	14
1963	24	15	15	38	38	31	18	12

*Notifications of tuberculosis used in this and subsequent tables for 1956 onwards are those returned to the General Register Office, and not, as in previous years, those returned to the Ministry of Health. There is a small but insignificant difference between the figures from the two sources. Cases of unstated age are omitted for 1956 onwards.

Table C75. Tuberculosis of the respiratory system, ratio of deaths to 100 notifications*, by sex and age, 1953 to 1963, England and Wales

			Ma	les					Fema	ales		
	All	0-	15-	25-	45-	65 and over	All	0-	15-	25-	45-	65 and over
1953	23	2	3	15	38	82	14	2	4	15	36	85
1954	23	1	2	14	38	80	14	1	3	15	35	77
1955	21	0	2	12	33	76	12	1	2	13	29	66
1956	19	1	1	10	27	67	10	0	2	10	23	66
1957	18	1	1	8	25	63	10	1	1	10	19	51
1958	18	1	1	7	25	60	11	1	1	9	23	60
1959	17	1	1	7	22	58	9	1	1	7	19	55
1960	18	0	0	6	22	61	10	1	0	7	19	54
1961	18	1	0	6	22	62	11	-	1	7	23	55
1962	18	0	0	5	21	67	11	0	0	6	23	53
1963	19	0	0	6	24	66	10	0	0	7	21	48

*See footnote to Table C74.

Table C76. Tuberculosis of respiratory system, death rates per million living, by sex and age, notification ratios (notifications per 100 deaths) and Standardised Mortality Ratios, in standard regions, Wales, conurbations, urban and rural aggregates outside conurbations, and hospital regions, 1963, England and Wales

Tions, urban and rural aggre				100	Male		, , , , , , , , , , , , , , , , , , , ,	and i	1004			091		ales	, Emg	Tana	4.1.4	Persons
	All	0-	5-	15-	25-	45-	65 and over	S.M.R.	All ages	0-	5-	15-	25-	45-	65 and over	S.M.R.	All	Notification ratio
ENGLAND AND WALES	89	1	0	2	30	165		100	24	1	0	1	23	38	60	100	55	626
Standard regions and conurbations:																		
Northern Tyneside Conurbation Remainder of Northern	87 94 85	- -	4 - 5	4 -6	61	181 203 174	395 334 416	102 111 99	21 18 23			4 - 6		47 56 44	32 18 38	94 79 99	54 55 53	771 1,132 640
East and West Ridings West Yorkshire Comurbation Remainder of East and West Ridings	100 107 95		1 1 1	39 -	45	191 207 180	434 441 430	112 119 108	22 28 18		1 1 1		20 23 19	39 46 34	49 67 35	92 112 77	60 66 56	660 790 554
North Western South East Lancashire Conurbation Merseyside Conurbation Remainder of North Western	101 96 119 96	7 9 - 8	-		41 46	184 197 204 164	499 389 777 475	115 110 152 103	25 20 23 30	1 1 1 1	1 1 1 1	26 -	33 22 28 45	38 45 35 34	46 11 64 67	103 81 104 121	61 56 69 62	547 607 708 411
North Midland	54	-	-	-	16	114	239	62	16	-	-	-	23	13	55	70	35	769
Midland West Midlands Conurbation Remainder of Midland	96 104 89	- - -	111		38	182 208 156	571 579 564	119 131 108	30 29 31				29 31 27	51 54 47	83 62 102	132 128 136	63 66 60	576 739 405
Eastern	51	-	-	-	18	105	234	60	20	-	-	4	8	34	64	83	35	726
London and South Eastern Greater London Remainder of London and South Eastern	99 98 102	- - -		3 3 -	33	167 172 151	455 471 424	106 109 101	26 27 26	23 -	111		19 20 16	44 44 43	63 65 59	104 106 97	61 60 62	656 763 376
Southern	65	-	-	-	25	146	264	76	22	-	-	-	16	25	80	91	43	755
South Western	70	-	-	-	14	142	291	74	23	-	-	-	30	28	54	92	46	565
Wales Wales I (South East) Wales II (remainder)	141 140 141	- - -		11 15 -	49 47 55	217 232 177	730 728 735	154 157 145	31 35 21		57 -	68 -		43 49 29	78 101 31	128 149 81	84 87 79	422 396 497
Urban and rural aggregates: Conurbations	101	1	-	3	38	188	485	116	25	1	-	1	22	46	54	105	62	754
Areas outside comurbations: Urban areas with populations of 100,000 and over Urban areas with populations of 50,000 and under 100,000 Urban areas with populations under 50,000 Rural districts	98 84 89 63	- 5 - -	- 1 -	2 3 - 1	28	185 157 157 120	483 412 422 290	112 97 97 71	35 22 18 23	1111	2	2 - 3 -	1 17	57 33 18 34	85 68 46 64	144 93 72 95	65 52 52 43	586 600 518 494
Hospital regions: Newcastle Leeds Sheffield East Anglia North West Metropolitan North East Metropolitan South East Metropolitan South West Metropolitan South West Metropolitan Wessex Oxford South Western Welsh Birmingham Manchester Liverpool	89 84 76 50 70 86 121 84 68 53 75 141 96 98 109	11111111111100	4	55 - 3 - 4 11	26 18 27 33 48 26 29 16 49 29 33	190 166 157 100 131 152 186 139 162 115 155 217 182 192 174	395 344 337 232 282 376 609 403 256 260 301 730 571 422 742	105 94 87 58 75 92 131 90 80 62 79 154 119 109	21 25 16 19 23 16 28 34 21 18 27 30 21 33			5 3 6 - 3 -	17 22 5 22 14 16 19 22 9 33 29 29	51 41 15 37 32 31 44 58 9 39 34 43 51 41 33	30 79 91 87	93 103 66 79 89 64 110 135 86 77 105 128 132 86 147	555 533 445 344 4572 588 444 366 5084 637 589	788 726 666 641 987 742 480 559 678 833 541 422 576 519 587

Table C77. Tuberculosis of respiratory system, notification rates per 100,000 living, by sex and age, and Standardised Notification Ratios, in standard regions, Wales conurbations, urban and rural aggregates outside conurbations and hospital regions, 1963, England and Wales

Thi Standard regrons, mares contributions, areas and					Male	s						F	emal	es			
	All	0-	5-	15-	25-	45-	65 and over	S.N.R.	Allages	0-	5-	15-	25-	45-	65 and over	S.N.R.	Persons
ENGLAND AND WALES	47	18	13	39	53	68	63	100	24	15	15	38	34	18	12	100	35
Standard regions and conurbations:																	
Northern Tyneside conurbation Remainder of Northern	51 76 43	18 21 17	16 25 13	43 64 37	53 85 42	88 121 76	62 95 51	112 165 94	32 50 26	28 60 16	26 48 19	55 74 48	44 64 37	21 34 16	14 19 12	136 210 109	41 62 34
East and West Ridings West Yorkshire Conurbation Remainder of East and West Ridings	58 80 43	116	11 13 10	49 85 27	80 135 44	76 87 68	70 61 75	124 171 92	22 26 19	13 13 14	11 14 9	39 54 30	33 40 28	18 18 18	10 13 9	95 114 82	39 52 31
North Western South East Lancashire Conurbation Merseyside Conurbation Remainder of North Western	46 48 62 36	22 38	11 10 16 10	41 51 45 30	48 49 66 39	68 73 99 51	62 56 103 52	99 103 139 77	22 21 37 16	115	17 19 28 9	42 42 60 30	32	16 12 35 10	10 7 17 9	96 92 158 69	34 34 49 26
North Midland	35	13	10	36	40	51	38	76	19	3	10	35	27	14	11	79	27
Midland West Midlands Conurbation Remainder of Midland	51 69 33	22 34 10	20 34 8	43 66 20	89	85	62 59 65	110 150 72	22 29 16	19 28 11	19 35 4	34 43 25	30 38 23	16 18 14	8 8 9	93 121 66	36 49 24
Eastern	31	12	11	27	36	44	43	68	20	11	14	30	29	16	14	86	26
London and South Eastern Greater London Remainder of London and South Eastern	55 64 31	21 26 8	14 16 9	45 54 18	71	86	94	115 133 66	26 30 16	17 21 5	15 18 6	39 43 27				113 128 72	40 46 23
Southern	40	21	14	27	45	62	54	87	25	22	14	33	38	.19	20	109	33
South Western	33	10	8	27	34	54	45	71	19	7	8	38	26	18	8	82	26
Wales I (South East) Wales II (remainder)	49 47 54	7	12 12 13	39	40	79	93	106 102 115	23 22 25	11 8	16 16 19	28 28 28	33 30 39	22 21 23	15 15 14	98 93 110	36 34 39
Urban and rural aggregates: Conurbations	64	26	18	58	77	86	82	137	30	22	23	47	43	23	14	127	46
Areas outside conurbations: Urban areas with populations of 100,000 and over Urban areas with populations of 50,000 and under 100,000 Urban areas with populations under 50,000 Rural districts	51 41 36 26	2022	18 13 9 6	28	46	63 58	57	111 90 78 57	26 22 18 16	115	10	41 40 31 25	33	20 16 16 13	12	111 93 79 69	38 31 27 21
Hospital regions: Newcastle Leeds Sheffield East Anglia North West Metropolitan North East Metropolitan South East Metropolitan South West Metropolitan Wessex Oxford South Western Welsh Birmingham Manchester Liverpool	53 57 41 27 59 50 48 44 38 36 35 49 51 49	14	177 100 100 100 100 100 100 100 100 100	55 37 20 61 38 34 33 22 24 29	5 85 460 30 75 460 420 420 420 420 420 420 420 420 420 42	73 60 37 73 69 68 68 68 68 68 68 68 68	57 53 53 55 65 70 87 62 58 48 45 90	117 123 88 58 125 105 100 92 82 80 75 106 110 92 116	33 21 20 17 32 24 23 23 23 20 23 219 31	24 18 10 13 14 19	10 19 17 14 9 12 12 12	39	32 29 22 48 40 35 33 34 31 26	16 17 11 25 20 20 18 18 20 16 20	11 10 19 17 8 14 14 19 15 9	142 92 85 72 134 103 99 93 97 98 85 98 98 80 130	43 39 30 22 45 37 35 32 30 30 27 36 36 30 41

Table C78. Tuberculosis of the respiratory system, ratio of deaths to 100 notifications, by sex and age, in standard regions and hospital regions, 1963, England and Wales

		Ма	les			Fem	ales	
	15-	25-	45-	65 and over	15-	25-	45-	65 and over
ENGLAND AND WALES	0	6	24	66	0	7	21	48
Standard regions:								1992
Northern East and West Ridings North Western North Midland Midland	1 1 - -	6 5 7 4 5	21 25 27 22 27	64 62 80 62 92	1 - 1 - -	5 6 10 8	23 22 24 9 32	23 47 47 48 100
Eastern London and South Eastern Southern South Western Wales	- 1 - 3	5 6 5 4 11	24 22 24 26 27	55 57 49 64 81	1 - - 2	3 5 4 12 9	21 20 13 16 20	45 45 40 64 54
Wales I (South East) Wales II (remainder)	4 -	12 10	29 22	78 88	3 -	9	23 13	68
Hospital regions:	71/36 963 36185 33			10 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	11 20 11 1			
Newcastle Leeds Sheffield East Anglia North West Metropolitan	1 1 - - 1	5 4 6 6 4	21 23 26 27 18	64 61 64 44 44	1 - - - 1	4 5 8 2 5	24 25 9 33 13	17 64 47 32 29
North East Metropolitan South East Metropolitan South West Metropolitan Wessex Oxford	- - 1 - -	6 10 6 7 2	22 29 20 26 21	54 70 65 44 54		3 4 6 6 3	16 24 32 5 24	38 58 63 46 30
South Western Welsh Birmingham Manchester Liverpool	- 3 - -	5 11 5 7 7	27 27 27 21 21	67 81 92 78 85	- 2 - 1 -	13 9 10 10 12	17 20 32 36 12	68 54 100 32 59

Table C79. Non-respiratory tuberculosis, death rates per million living, by sex and age, 1953 to 1963, England and Wales

			Males					Females		
	All ages	0-	15-	25-	45 and over	All ages	0-	15-	25-	45 and over
1953	24	29	17	18	30	21	30	18	12	23
1954	21	16	15	18	30	17	13	15	12	22
1955	17	11	12	14	26	13	14	5.3	8.5	18
1956	13	7.3	4.4	11	20	11	5.6	7.6	9.2	16
1957	12	7.2	6.5	11	19	12	8.6	6.5	8.0	17
1958	12	5.4	7.1	9.4	20	9.5	5.8	3.2	6.1	16
1959	8.7	6.0	2.1	6.3	15	8.1	4.5	2.8	5.4	13
1960	7.2	2.4	2.4	5.7	14	7.2	2.5	2.7	5.1	12
1961	7.4	1.5	4.2	6.3	14	7.0	3.9	3.9	3.1	12
1962	8.0	3.7	4.6	5.5	14	5.5	2.3	3.1	3.1	10
1963	7.4	2.6	3.6	5.1	14	7.5	3.3	2.7	4.4	13

Table C80. Non-respiratory tuberculosis, notification rates* per million living, by sex and age, 1953 to 1963, England and Wales

			Males			-		Females		
	All	0-	15-	25-	45 and over	All ages	0-	15-	25-	45 and over
1953	122	233	163	85	59	133	224	240	129	51
1954	109	192	149	93	48	133	199	245	140	56
1955	96	145	154	85	48	109	144	203	126	48
1956	87	121	131	83	49	98	113	188	118	49
1957	76	91	119	74	49	93	103	162	121	46
1958	70	75	106	82	44	83	77	142	111	50
1959	58	53	86	71	40	67	55	114	88	46
1960	56	47	67	82	36	69	48	113	103	43
1961	54	41	72	76	38	64	40	92	101	43
1962	53	38	59	81	38	62	36	85	96	46
1963	53	29	67	87	34	58	29	80	91	44

^{*} See footnote to Table C74.

Table C81. Mass miniature radiography, number of examinations made by mass

(The total numbers of examinations have been

						Male	es					
Category of person examined	Under 14	14	15-	20-	25-	35-	45-	55-	60-	65 and over	Not stated	All ages
Out-patients and in-patients of hospitals	80	30	640	610	1,460	1,610	1,590	770	770	890	-	8,450
H.M. Forces intakes	_	-	460	90	70	10	10	-	-	_	-	640
School children (Mantoux test)	4,680	2,840	1,280	130	_	-	_	-	_	-	-	8,930
School children (School groups)	1,910	5,440	19,160	260	_	-	_	-	-	-	-	26,770
Contacts (Mantoux test)	680	350	450	140	160	530	390	40	30	_	-	2,770
Other contacts	3,190	1,680	4,140	2,300	4,220	3,780	2,760	1,040	860	410	40	24,420
Persons covered by special surveys	80	20	550	510	1,020	1,340	900	530	390	140	10	5,490
Persons in prisons, borstals etc.	210	80	4,820	5,100	6,380	3,910	2,560	1,300	820	1,940	-	27,120
Persons in factories/offices (General surveys)	-	570	121,440	137,360	267,320	275,520	238,240	94,660	61,500	15,060	60	1,211,730
General public volunteers	2,300	1,900	38,000	39,820	87,100	90,780	79,070	33,690	25,590	34,880	80	433,210
Ante-natal cases	-	-	-	-	-	-	-	-	-	-	-	-
Psychiatric hospitals	380	140	2,340	2,700	5,290	7,630	7,880	4,270	3,580	4,970	40	39,220
Total	13,510	13,050	193,280	189,020	373,020	385,110	333,400	136,300	93,540	58,290	230	1,788,750
Persons referred by general practitioners	3,000	1,170	11,850	12,690	26,330	25,270	25,750	13,390	12,180	12,200	10	143,840
Total (all groups)	16,510	14,220	205,130	201,710	399,350	410,380	359, 150	149,690	105,720	70,490	240	1,932,590

radiography units, by sex, age, and category of person examined, 1963, England and Wales derived from a 10 per cent sample of record cards)

					Fema.1	es						Persons	
under 14	14	15-	20-	25-	35-	45-	55-	60-	65 and over	Not stated	All ages	All ages	Category of person examined
10	30	870	1,110	1,800	2,010	2,220	850	710	1,510	_	11,120	19,570	Out-patients and in-patients of hospitals
-	-	30	-	-	-	-	-	-	-	-	30	670	H.M. Forces intakes
4,420	2,000	1,020	10	-	-	-	-	-	-	-	7,450	16,380	School children (Mantoux test)
1,520	4,110	14,470	240	-	-	-	-	-	-	10	20,350	47,120	School children (School groups)
600	360	420	50	280	920	350	50	30	40	20	3,120	5,890	Contacts (Mantoux test)
2,080	1,140	3,470	1,720	2,330	2,850	2,220	760	400	620	10	17,600	42,020	Other contacts
120	10	360	210	540	640	460	90	220	300	20	2,970	8,460	Persons covered by special surveys
30	40	360	290	500	500	800	340	340	1,810	-	5,010	32,130	Persons in prisons, borstals etc.
-	350	152,690	115,320	99,680	113,890	93,200	30,820	10,090	4,090	80	620,210	1,831,940	Persons in factories/offices (General surveys)
2,270	1,460	49,310	44,260	98,790	111,890	86,590	36,230	27,810	31,710	70	490,390	923,600	General public volunteers
-	10	2,410	6,830	8,570	2,150	40	_	-	-	10	20,020	20,020	Ante-natal cases
180	110	1,450	2,160	4,000	6,060	7,770	4,020	4,000	10,030	50	39,830	79,050	Psychiatric hospitals
11,230	9,620	226,860	172,200	216,490	240,910	193,650	73,160	43,600	50,110	270	1,238,100	3,026,850	Total
2,650	1,100	13,700	13,320	23,610	22,670	19,310	8,460	6,410	8,580	20	119,830	263,670	Persons referred by general practitioners
13,880	10,720	240,560	185,520	240,100	263,580	212,960	81,620	50,010	58,690	290	1,357,930	3,290,520	Total (all groups)

Table C82. Mass miniature radiography, (a) numbers of cases of respiratory radiography units, (b) rates per 1,000 examinations, by sex,

						Mal	es						
Category of person examined		Under 14	14	15-	20-	25-	35-	45-	55-	60-	65 and over	Not stated	All ages
Out-patients and in- patients of hospitals	} (a)	-	-		1 1.6	3 2.1	1 0.6	6 3.8	1 1.3	2 2.6	4 4.5	-	18 2.1
H.M. Forces intakes	$\{ \begin{pmatrix} a \\ b \end{pmatrix} \}$	-	-	-	_		-	_	-	_	-	-	
School children (Mantoux test)	{ (a) (b)	12 2.6	4 1.4	3 2.3	4 30.8	-	-,-	-	-	-	-	-	23 2.6
School children (School groups)	{ (a) (b)	3	-	5 0.3	-	-	_	-	-	-	-	-	8 0.3
Contacts (Mantoux test)	{ (a) (b)	_	-	-	-	-	2 3.8	1 2.6	-	-	-	-	3 1.1
Other contacts	{ (a) (b)	6 1.9	1 0.6	6	10 4.3	16 3.8	18 4.8	13 4.7	3 2.9	1 1.2	2 4.9	-	76 3.1
Persons covered by special surveys	{ (a) (b)	-	1 50.0	_	-	5 4.9	8 6.0	5 5.6	_	4 10.3	-	-	23 4.2
Persons in prisons, borstals, etc.	{ (a) (b)	=	-	_	5 1.0	10 1.6	25 6.4	21 8.2	13 10.0	15 18.3	16 8.2	-	105
Persons in factories/ offices (General surveys)	} (a) (b)	-	1 1.8	58 0.5	129	262	230	229	75 0.8	89	14 0.9	-	1,087
General public volunteers	{ (a) { (b)	-	-	21 0.6	57	109	111	99	59 1.8	49 1.9	70 2.0	_	575 1.3
Ante-natal cases	$\begin{cases} (a) \\ (b) \end{cases}$	-	-	_	_	-	-	_	-	-	-	-	-
Psychiatric hospitals	{ (a) (b)	_	-	4	3 1.1	17 3.2	18 2.4	18 2.3	7	10 2.8	9	-	86 2.2
Total	{ (a) (b)	21 1.6	7 0.5	97 0.5	209	422	413	392 1.2	158	170 1.8	115 2.0	-	2,004
Persons referred by general practioners	} (a) } (b)	3 1.0	4 3.4	44 3.7	86 6.8	202	149 5.9	171 6.6	113 8.4	99 8 . 1	98 8.0	_	969 6.7
Total (all groups)	{ (a) (b)	24	11 0.8	141 0.7	295 1.5	624	562 1.4	563 1.6	271	269 2.5	213 3.0	=	2,973

tuberculosis requiring treatment or close clinic supervision observed by mass age, and category of person examined, 1963, England and Wales

					Females		195					Persons		
inder 14	14	15-	20-	25-	35-	45-	55-	60-	65 and over	Not stated	All ages	All ages		Category of rson examined
	-	1 1.1	-3	2 1.1	2 1.0	1 0.5	1 1.2	_	-	_	7 0.6	25 1.3	(a) (b)	Out-patients and in- patients of hospitals
	-	-	-	=	-	-	-	-	-	-	_	_	(a)}	H.M. Forces intakes
3 2.9	4 2.0	2.0	_	=	_	-	-	-	-	-	19 2.6	42 2.6	(a)} (b)}	School children (Mantoux test)
7	-	7 0.5	_	-	-	_	_	-	-	-	14 0.7	22 0.5	(a) } (b) }	School children (School groups)
-	2 5.6	1 2.4	-	-	1 1.1	1 2.9	_	-	1 25.0	-	6 1.9	9	(a) (b)	Contacts (Mantoux test)
7 3.4	-	6	4 2.3	5 2.1	5 1.8	3	1 1.3	1 2.5	1 1.6	-	33 1.9	109	(a) (b)	Other contacts
-	-	-	-	1 1.9	1 1.6	-	-	-	-	-	2 0.7	25 3.0	(a) (b)	Persons covered by special surveys
-	-	-	-	-	1 2.0	3 3.8	=	-	-	-	4 0.8	109 3.4	(a) (b)	Persons in prisons, borstals, etc.
-	-	57 0.4	80 0.7	71 0.7	74 0.6	44 0.5	11 0.4	5 0 . 5	1 0.2	-	343 0.6	1,430 0.8	(a) (b)	Persons in factories/ offices (General surveys)
1 0.4	1 0.7	29	39 0.9	82 0.8	88	43 0.5	15 0.4	5 0.2	11 0.3	-	314 0.6	889	(a) (b)	General public volunteers
-	-	2 0.8	7	15 1.8	1 0.5	-	-	-	-	-	25 1.2	25 1.2	(a)] (b) }	Ante-natal cases
-	-	-	1 0.5	3 0.8	6 1.0	11 1.4	6 1.5	6 1.5	8	=	41 1.0	127	(a) (b)	Psychiatric hospitals
8 2.5	7 0.7	105	131 0.8	179 0.8		106 0.5	34 0.5	17 0.4	22 0.4	-	808 0.7	2,812	(a)}	Total
8 3.0	3 2.7	39 2.8	49 3.7	106 4.5	85 3.7	61 3.2	19 2.2	16 2.5	18 2.1	_	404 3.4	1,373 5.2	(a) (b)	Persons referred by general practioners
6 2.6	10 0.9	144 0.6	180	285 1.2	264 1.0	167	53 0.6	33 0.7	40 0.7	-	1,212	4,185 1.3	(a) (b)	Total (all groups)

	conditions									y sex											Fema1					II.	Persons
	Category of person		Under									65	Not	All	Under									65	Not	All	All
			14	14	15-	20-	25-	35-	45-	55-	60-	and over	stated		14	14	15-	20-	25-	35-	45-	55-	60-	and	stated	ages	ages
	All groups, excluding persons referred by general practitioners Persons referred by general practitioners Total (all groups)	{ (a) (b) { (a) (b) }				3 0.2	9 0.0 11 0.4 20 0.1	0.1 67 2.7	0.7 278 10.8	275 20.5	353 29.0	293 5,2 556 45.6 849 12.0		1,051 0.6 1,544 10.7 2,595 1.3			2 0.0	4 0.0		26	74 3.8	38 0.5 37 4.4 75 0.9	1-00	63 1.3 88 10.3 151 2.6	-	284 2.4	1,253 0.4 1,828 6.9 3,081 0.9
126	All groups, excluding persons referred by general practitioners Persons referred by general practi- tioners Total (all groups)	$ \begin{cases} (a) \\ (b) \end{cases} $ $ \begin{cases} (a) \\ (b) \end{cases} $ $ \begin{cases} (a) \\ (b) \end{cases} $	1- 0.1 - - 1 0.1			1 0.1	-	4 0.2	10 0.4	8	9	42 0.7 13 1.1 55 0.8		259 0.1 46 0.3 305 0.2	-	- - - -	5 0.0	5 0.0 1 0.1		1 0.0	71 0.4 11 0.6 82 0.4		6	56 1.1 16 1.9 72 1.2	-	259 0.2 46 0.4 305 0.2	518 0.2 92 0.3 610 0.2
	All groups, excluding persons referred by general practitioners Persons referred by general practitioners Total (all groups)	$\begin{cases} (a) \\ (b) \end{cases}$ $\begin{cases} (a) \\ (b) \end{cases}$ $\begin{cases} (a) \\ (b) \end{cases}$	1 0.1 1 0.3 2 0.1		2 0.2 2 0.0	3 0.0	4 0.0 4 0.2 8 0.0	4 0.0 2 0.1 6 0.0	2 0.0 3 0.1 5 0.0	3 0.0 1 0.1 4 0.0	2 0.0 3 0.2 5 0.0	2 0.0 2 0.2 4 0.1	,	21 0.0 18 0.1 39 0.0	0.1			1 0.0 1 0.1 2 0.0		3	- 3 0.2 3 0.0	=	1 0.0 1 0.2 2 0.0	5 0.1 - - 5 0.1	-	20 0.0 10 0.1 30 0.0	69
	All groups, excluding persons referred by general practitioners Persons referred by general practitioners Total (all groups)	{ (a) (b) { (a) (b) { (a) (b) }	1 0.1 1 0.3 2		0.1	0.3	0.4 31 1.2	55 0.1 17 0.7 72 0.2	6 0.2	3 0.2		4 0.1 - 4 0.1	Sarco	319 0.2 79 0.5 398 0.2	2 0.2	-	17 0.1 3 0.2	48 0.3 17 1.3	85 0.4 41 1.7		32 0.2 10 0.5 42 0.2	7 0.8	4 0.6	3 0.1 3 0.3 6	-	259 0.2 101 0.8 360 0.3	180
	All groups, excluding persons referred by general practitioners Persons referred by general practitioners Total (all groups)	{ (a) (b) (b) (a) (b) (b) (b) (c)	1 0.3	0.9	13 1.1	6	9	30 0.1 9 0.4 39 0.1	20 0.1 14 0.5 34 0.1	12 0.1 3 0.2	11 0.1 5 0.4	5 0.1 5 0.4 10 0.1		187 0.1 66 0.5 253 0.1	6 0.5 2 0.8	3 0.3	52 0.2 7 0.5	31 0.2 2 0.2 33 0.2	30 0.1 12 0.5	23 0.1 11 0.5	31 0.2 10 0.5	6 0.1 1 0.1 7	7 0.2 1 0.2 8 0.2	4 0.1 3 0.3 7 0.1	-	193 0.2 49 0.4 242 0.2	380 0.1 115 0.4 495 0.2
	All groups, excluding persons referred by general practitioners Persons referred by general practitioners Total (all groups)	$ \begin{cases} (a) \\ (b) \end{cases} $ $ \begin{cases} (a) \\ (b) \end{cases} $ $ \begin{cases} (a) \\ (b) \end{cases} $	0.5 4 1.3	0.4 2 1.7	0.2 5 0.4	0.3	0.3 43 1.6	0.5	1.5 196 7.6	440 3.2 230 17.2	460 4.9 272 22.3	655 11.2 533 43.7 1,188 16.9		2,487 1.4 1,420 9.9 3,907 2.0	8 0.7 6 2.3 14 1.0	4 0.4 1 0.9 5 0.5	84 0.4 18 1.3	91 0.5 16 1.2 107 0.6	141 0.7 42 1.8 183 0.8	289 1.2 108 4.8 397 1.5	659 3.4 223 11.5	460 6.3 181 21.4	428 9.8 201 31.4 629 12.6	550 64.1	7.4	2.4 1,346 11.2	2,766 10.5 8,270
127	All groups, excluding persons referred by general practitioners Persons referred by general practitioners Total (all groups)	{ (a) (b) (b) (b) (b) (b) (b) (b) (b)			_	2 0.0	0.0 5 0.2	0.5 50 2.0	1.3 110 4.3	2.4 99 7.4	97 8.0	137 2.4 69 5.7 206 2.9		1,345 0.8 431 3.0 1,776 0.9				1 0.0 - - 1 0.0	2 0.0 - - 2 0.0	7 0.0 1 0.0 8 0.0	12 0.6	8 0.9	4 0.6 8	5 0.6 9 0.2		53 0.0 30 0.3 83 0.1	461 1.7 1,859
	All groups, excluding persons referred by general practitioners Persons referred by general practi- tioners Total (all groups)	{ (a) (b) (b) (a) (b) (b)	-	1 1 11				4 0.0 1 0.0 5 0.0	22 0.1 12 0.5 34 0.1	26 0.2 6 0.4 32 0.2	7	24 0.4 12 1.0 36 0.5		92 0.1 38 0.3 130 0.1			e mass		- - - -		1 0.0 1 0.1 2 0.0		1 0.2 1 0.0	1 0.0	-	3 0.0	41 0.2 134

Table C84. Deaths from cancer by sex and age according to histological type and death rates per million living, 1963, England and Wales

		All ages	0-	15-	35-	45-	55-	65 and over
				1	lumber of d	eaths		
All malignant neo- plasms (140-205)	{ M F	55,192 47,224	485 335	88 4 743	1,614	6,077 6,032	15,870 10,521	30,262 27,382
Carcinoma	{M F	48, 490 41, 649	34 28	280 360	1,113 1,782	5, 101 5, 311	14,164	27,798 24,858
Glioma	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	913 708	81 49	64 80	109 105	220 146	316 194	123 134
Sarcoma	{M F	946 999	94 70	133 90	102 89	135 146	203 186	279 418
Reticuloses	$\left\{ _{\mathrm{F}}^{\mathrm{M}}\right.$	3, 171 2, 581	258 174	386 207	240 185	445 283	725 547	1,117 1,185
Undefined	{M F	1,672 1,287	18 14	21 6	50 50	176 146	462 284	945 787
			D	eath rates	per millio	n persons l	iving	
All malignant neop (140-205)	lasms	2,178	77	130	595	1,959	4,716	10,261
Carcinoma		1,917	6	51	451	1,685	4, 195	9,373
Glioma		34	12	11	33	59	91	46
Sarcoma		41	15	18	30	45	70	124
Reticuloses		122	41	47	66	118	227	410
Undefined		63	3	2	16	52	133	308

Males

ICD No.	Site or organ	All ages	0-	5-	15-	25-	35-	45-	55-	65-	75-	85 and over	Per cen of all sites
140 141 142 143 144	Lip Tongue Salivary Gland Floor of mouth Other parts of mouth and mouth unspecified	26	0	1	0	1	5	10	43	116	350	710	1.1
145 146 147 148	Oral mesopharynx Nasopharynx Hypopharynx Pharynx unspecified	16	0	1	0	0	3	12	37	82	143	212	0.7
150	Oesophagus	60	-	-	-	2	7	40	129	313	586	933	2.5
151	Stomach	339	-	-	1	11	65	260	827	1,824	2,805	2,672	14.0
152 153	Small intestine, including duodenum Large intestine, except rectum	160	-	-	2	7	37	103	302	823	1,690	2,333	6.6
154	Rectum	129	-	-	1	5	19	83	245	671	1,371	1,909	5.3
155	Biliary passages and liver (stated to be primary site)	28	2	-	1	3	8	23	65	141	219	244	1.2
157	Pancreas	98	0	-	1	4	16	84	237	500	826	901	4.1
161	Larynx	28	-	-	0	-	4	17	65	173	221	170	1.1
162 163	Bronchus and trachea, and of lung specified as primary Lung, unspecified as to whether primary or secondary	909	0	1	2	23	146	903	2,918	4,951	4,185	1,994	37.6
170	Breast	3	-	-	-	-	1	4	6	12	29	42	.1
177	Prostate	166	-	0	0	0	1	19	146	863	2,849	4,517	6.9
178	Testis	9	2	-	13	18	13	12	7	~ 11	2	11	0.4
179	Other and unspecified male genital organs	6	-	-	0	-	2	5	11	28	58	117	0.3
180	Kidney	36	11	3	-	1	12	48	91	161	192	223	1.5
181	Bladder and other urinary organs	99	0	0	0	1	4	54	207	537	1,081	1,389	4.2

ICD No.	Site or organ	All ages		5-	15-	25-	35-	45-	55-	65–	75-	85 and over	Per cent of all sites
190 191	Skin (malignant melanoma) Skin (malignant neoplasm)	}	3 1	0	2	7	8	19	33	58	141	477	0.7
193	Malignant neoplasm of brain and other parts of nervous system	49	29	17	8	16	40	88	143	94	24	32	2.0
194	Thyroid gland		ı -	-	-	-	2	6	11	19	25	42	0.2
195	Other endocrine glands	1	3	1	1	1	3	2	3	7	7	21	0.1
196 197	Bone (including jaw bone) Connective tissue	}	3 3	5	12	6	11	17	35	53	95	117	0.7
158 164 198	Peritoneum Mediastinum Secondary and unspecified malignant neoplasm of lymph nodes	10) 4	1	1	2	3	8	22	55	51	-	0.4
200	Lymphosarcoma and reticulosarcoma	29	3	8	10	11	17	30	67	103	116	106	1.2
201	Hodgkin's disease	2:	3 0	5	18	27	20	36	38	39	48	32	0.9
202	Other forms of lymphoma (reticulosis)		1 0	1	1	1	1	5	12	16	22	11	0.2
203	Multiple myeloma (plasmocytoma)	1.	3 -	-	0	0	5	20	47	82	80	85	0.7
204	Leukaemia and aleukaemia	6	3 44	34	26	28	31	55	107	238	370	286	2.7
205	Mycosis fungoides		1 -	-	-	-	-	1	3	2	3	-	0.0
Others in 140-205	Remaining sites	6	3 4	1	2	5	15	49	162	313	483	594	2.6
140-205	Total	2,41	7 111	76	102	179	501	2,013	6,022	12,284	18,070	20,180	100.0
193 223 237	Malignant neoplasm of brain and other parts of nervous system Benign neoplasm of brain and other parts of nervous system Neoplasm of unspecified nature of brain and other parts of nervous system	6	7 33	20	15	23	52	117	186	146	66	42	2.8

Table C86. Cancer (ICD Nos. 140-205), sex and age specific death rates per million living from cancer at various sites and the percentage of mortality at each site to "all sites", 1963, England and Wales

Females

	ICD No.	Site or organ		All ages	7	5	15-	25-	35-	45-	55-	65-	75-	85 and over	Per cent of all sites
	140 141 142 143 144	Lip Tongue Salivary gland Floor of mouth Other parts of mouth and mouth unspecified	}	12	1	0	0	0	2	5	19	32	82	157	0.6
	145 146 147 148	Oral mesopharynx Nasopharynx Hypopharynx Pharynx unspecified	}	13	-	1	0	2	6	1 5	29	38	61	70	0.7
	150	Oesophagus		44	-	-	-	2	7	26	66	148	319	379	2.3
	151	Stomach		245	-	-	1	9	31	118	332	829	1,858	2,635	12.6
_	152 153	Small intestine, including duodenum Large intestine, except rectum	}	227	-	-	2	8	36	127	342	745	1,589	2,526	11.7
	154	Rectum		105	-	-	1	3	18	69	146	350	728	1,093	5.4
	155	Biliary passages and liver (stated to be primary site)		37	2	1	-	2	4	16	56	146	241	274	1.9
	157	Pancreas		82	-	-	-	2	13	45	134	302	536	675	4.2
	161	Larynx		6	-	-	-	-	2	6	10	21	30	30	0.3
	162 163	Bronchus and trachea, and of lung specified as primary Lung, unspecified as to whether primary or secondary	}	152	-	1	0	6	46	183	353	534	553	527	7.8
	170	Breast		390	-	-	1	40	208	590	813	1,020	1,505	2,269	20.0
	171	Cervix uteri		102	-	-	0	11	99	177	193	255	311	396	5.2
	172	Corpus uteri		49	-	-	-	2	8	39	120	167	236	235	2.5
	173 174	Other parts of uterus, including chorionepithelioma Uterus, unspecified	}	13	-		1	2	7	15	26	41	54	61	0.7
	175	Ovary, Fallopian tube and broad ligament	J	126	2	1	5	13	52	195	310	371	367	348	6.5

	ICD No.	Site or organ	All ages	0	5-	15-	25-	35-	45-	55-	65-	75-	85 and over	Per cent of all sites
	176	Other and unspecified female genital organs	21	1	-	-	1	4	10	26	72	155	209	1.1
	180	Kidney	22	7	3	1	1	7	14	39	76	104	122	1.1
	181	Bladder and other urinary organs	38	1	-	-	0	3	16	55	120	298	409	1.9
	190 191	Skin (malignant melanoma) Skin (malignant neoplasm)	18	1	1	2	9	14	17	21	38	99	244	0.9
	193	Malignant neoplasm of brain and other parts of nervous system	35	16	14	9	21	36	54	קיקי	64	22	13	1.8
	194	Thyroid gland	12	-	-	0	0	2	12	23	45	63	74	0.6
	195	Other endocrine glands	2	5	1	-	1	2	1	3	4	4	-	0.1
	196 197	Bone (including jaw bone) Connective tissue	15	1	4	5	7	5	10	23	42	75	91	0.8
132	158 164 198	Peritoneum Mediastinum Secondary and unspecified malignant neoplasm of lymph nodes	10	1	1	1	1	3	8	21	36	45	61	0.5
	200	Lymphosarcoma and reticulosarcoma	20	2	2	5	4	10	17	35	66	95	96	1.0
	201	Hodgkin's disease	13	-	1	10	12	15	11	20	21	39	13	0.6
	202	Other forms of lymphoma (reticulosis)	3	1	-	1	1	3	3	6	6	16	22	0.2
	203	Multiple myeloma (plasmocytoma)	15	-	-	0	1	2	13	37	65	58	39	0.8
	204	Leukaemia and aleukaemia	55	37	27	15	18	27	45	86	129	220	231	2.8
	205	Mycosis fungoides	0	-	-	-	-	0	-	0	0	1	-	0.0
	Others in 140-205	Remaining sites	69	4	1	2	6	17	50	132	237	381	453	3.5
	140-205	Total	1,952	78	57	63	185	690	1,908	3,554	6,019	10,148	13,754	100.0
	193 223	Malignant neoplasm of brain and other parts of nervous system Benign neoplasm of brain and other parts of nervous system	50	21	18	13	28	48	77	112	99	42	17	2.6
	237	Neoplasm of unspecified nature of brain and other parts of nervous system												

Table C87. Cancer, Standardised Mortality Ratios by sex for selected sites, in standard regions, conurbations, urban and rural aggregates outside the conurbations, and hospital regions, 1963, England and Wales

	All s (140-)		Bucca cavity phary (140-2	and /nx	Oesopha (15)		Stor (15		Intest and red (152-4	ctum	Lary (16		lu	hea. lus and ling 163)
	М	F	М	F	М	F	М	F	М	F	М	F	М	F
ENGLAND AND WALES	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Standard regions: Northern East and West Ridings North Western North Midland Midland Eastern London and South Eastern Southern: South Western Wales	105 101 107 93 101 92 105 94 90	101 99 102 97 99 97 101 98 98	107 106 115 88 121 89 99 78 100	118 104 118 113 103 86 84 97 79 135	106 73 109 83 128 78 100 97 113	110 72 115 94 103 109 88 88 108 147	116 110 116 94 103 89 87 87 89 129	123 109 113 99 109 80 87 78 90 146	113 105 110 103 112 88 92 94 95 96	98 106 106 95 99 100 97 98 95	107 110 117 100 88 83 101 105 80 98	113 48 125 78 118 109 85 91 114 154	107 99 110 86 100 90 114 92 79 82	91 100 106 78 77 96 129 95 86 58
Conurbations: Tyneside West Yorkshire South East Lancashire Merseyside West Midlands Greater London	128 104 111 121 108 111	102 101 106 103 102 103	109 133 119 116 124 95	70 69 128 140 121 68	150 92 112 117 101 108	143 73 113 132 107 91	136 117 126 113 102 94	120 120 114 105 118 94	132 103 105 127 116 96	105 104 118 101 100 97	92 101 142 133 116 97	85 37 123 183 146 91	146 105 116 141 119 122	96 103 109 137 87 135
Urban and rural aggregates: Conurbations	111	103	108	89	109	100	105	105	105	102	109	103	122	120
Areas outside conurbations: Urban areas with populations of 100,000 and over	107	104	103	115	91	104	115	108	102	105	117	101	111	98
Urban areas with populations of 50,000 and under 100,000 Urban areas with populations under 50,000	98 94 85	99 97 95	104 94 90	110 96 110	107 97 93	100 97 100	88 98 90	85 98 96	101 101 90	100 101 92	99 95 82	151 105 63	99 86 73	103 86 78
Hospital regions: Newcastle Leeds Sheffield East Anglia North West Metropolitan North East Metropolitan South East Metropolitan South West Metropolitan South West Metropolitan Wessex Oxford South Western Welsh Birmingham Manchester Liverpool	105 102 94 96 95 103 105 100 102 89 91 101 105 117	100 104 97 104 92 91 108 102 111 86 101 103 99 105	106 120 79 104 92 73 110 104 101 69 101 79 121 113 125	126 102 115 104 66 66 107 84 138 55 81 135 121 116	106 83 73 92 81 90 103 99 135 59 117 112 128 109	110 88 75 96 77 96 87 123 80 112 147 103 115 125	118 106 100 102 77 93 93 79 94 87 90 129 103 121 110	123 113 101 93 79 81 89 82 84 84 92 146 109 118 111	110 105 103 97 90 93 91 87 99 93 97 96 112 105 131	96 111 98 119 82 90 108 99 111 82 98 111 99 110	95 105 115 57 79 102 121 99 110 86 98 88 88 124 111	122 33 81 134 103 47 99 117 131 60 126 154 118 87 215	109 101 88 86 105 115 110 107 97 81 80 82 100 105 130	87 106 83 88 111 108 136 132 100 78 93 58 77 105 118

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		east .70)	Cervix uteri (171)	Other parts of uterus (172-174)	Prostate (177)		dder 1.0,	Bone (ing jaw	bone)	Lymphos reticul coma (osar-	dis	kin's ease 201)	Leukaem aleuka (20	emia
	М	F	F	F	М	М	F	М	F	M	F	М	F	М	F
ENGLAND AND WALES	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Standard regions: Northern East and West Ridings North Western North Midland Midland Eastern London and South Eastern Southern South Western Wales	42 129 116 144 76 69 110 68 52 170	87 91 99 100 100 102 107 98 102 95	139 115 112 100 94 94 83 93 91 118	100 84 103 130 107 99 90 103 94 119	77 97 95 89 98 101 110 113 104 96	103 114 101 89 89 92 106 114 91	111 108 96 89 83 90 112 98 104 82	125 132 112 72 109 82 82 89 99 129	150 142 103 73 109 36 98 98 77 128	98 97 71 83 87 99 127 107 98 108	85 71 1.05 1.06 94 1.09 1.02 1.16 1.23 80	70 92 106 103 95 104 113 100 79 107	109 77 109 86 91 106 106 111 112	91 79 102 95 98 103 115 93 100	85 102 98 94 86 93 112 112 96
Conurbations: Tyneside West Yorkshire South East Lancashire Merseyside West Midlands Greater London	168 120 87 171 96 100	93 93 97 91 110 108	125 130 112 107 86 86	126 82 110 68 102 88	81 87 92 82 82 89	108 115 111 101 96 114	138 114 92 133 87 116	62 140 101 122 106 89	25 175 113 135 84 86	79 80 79 93 104 127	83 47 116 168 90 103	87 85 87 140 80 120	56 35 94 92 110	87 74 102 113 91 115	83 94 113 96 84 115
Urban and rural aggregates: Conurbations	108	103	98	93	100	110	111	99	100	107	101	106	89	104	106
Areas outside conwrbations: Urban areas with populations of 100,000 and over Urban areas with populations of 50,000 and under 100,000 Urban areas with populations under 50,000 Rural districts	153 126 59 85	100 96 97 99	114 109 102 88	101 100 109 102	102 97 101 100	111 100 98 80	107 99 89 87	105 90 111 91	127 74 98 96	102 91 94 97	98 98 97 103	95 103 95 97	108 105 97 116	90 102 97 102	93 92 96 102
Hospital regions: Newcastle Leeds Sheffield East Anglia North West Metropolitan North East Metropolitan South East Metropolitan South West Metropolitan Wessex Oxford South Western Welsh Birmingham Manchester Liverpool	45 108 105 84 77 80 115 142 74 156 ,62 170 76 121	86 94 97 105 96 98 116 105 117 88 104 95 100 102 99	137 130 101 104 86 74 89 115 111 69 95 118 94 117	94 94 122 96 88 81 102 88 112 86 98 119 107 116 81	73 98 88 1.05 97 1.00 1.23 1.08 1.28 1.04 1.04 9.6 9.8 1.01 88	102 110 94 108 92 95 106 111 112 119 93 89 89 106 93	116 104 100 101 101 117 107 104 92 107 82 83 92 113	118 129 97 74 75 121 58 87 82 68 112 129 109 118	148 159 85 13 53 78 107 124 86 126 74 128 109 108 95	91 110 74 64 103 119 136 135 155 89 93 108 87 71 76	78 77 93 63 109 108 91 126 95 118 136 80 94 91 139	66 81 104 91 89 140 95 128 104 115 75 107 95 88 146	107 79 83 161 194 104 121 74 113 112 91 102 124	92 85 85 105 105 97 127 113 99 111 98 90 98 93 122	82 101 103 89 110 87 133 102 123 99 92 95 86 97

Table C88. Cancer, death rates per million living, by sex and age, and Standardised Mortality Ratios (all ages) by sex, for selected sites, 1954 to 1963, England and Wales

	All ages	0-	5-	15-	25-	35-	45-	55-	65-	75-	85 and over	S.M.R. (1950-52 = 100)	Year	Allages	0-	5-	15-	25-	35-	45-	55-	65-	75-	85 and over	S.M.R. (1950-52 = 100)
								MALES				All s	ites (1	.40–205)					FEMAL	.ES				
	2,223 2,252 2,274 2,312 2,333	105 109 100	68 75 64	99 101 109	189 178 185	548561534	2,061 2,019 2,035	5,803 5,885 5,950	11,008 11,102 11,231	16,590 17,026 16,962 17,111 17,230	18,038 17,849	103 104 105 106 106	1954 1955 1956 1957 1958	1,861 1,873 1,891 1,890 1,929	102 100 83	50 61 47	72 63 71 57 72	202 201 178	681 697 693	1,860 1,809 1,813	3,550 3,559 3,559	6,306 6,250 6,113	10,272 10,350 10,284	13,509 13,551 13,682 13,277 13,862	98 97 96
	2,366 2,391 2,391 2,416 2,417	96 118 94	80 67 64	99 100 108	194 194 174	531 522 499	2,008 2,030 2,002	6,038 5,986 6,104	11,663 11,801 12,093	17,457 17,478 17,558 18,141 18,070	18,543 19,859	107 108 108 110 111	1959 1960 1961 1962 1963	1,929 1,943 1,948 1,949 1,952	95 80 91	63 59 60 57 57	62	191 178 185	689 669 721	1,879 1,906 1,866	3,445 3,576 3,593	6,203 6,143 6,111	10,174 9,991 9,944	14,016 13,901 13,606 13,348 13,754	97 96 96
												1000	Kidney	(180)											
135	32 33 33 33 35	12 12 11	3 4 2	1 0 1 1 2	3 2	10 12 8	40 43 36 41 40	91 92 96	141	164 180 156	141 125 81	108 112 110 109 117	1954 1955 1956 1957 1958	20 18 20 19 22	13 14 5	4 4 3	0 1 1 0 2	2 2 3 3 1	6 5 5 3 6	15 13 14 10 19	33 40 38 42 35	75 61 72 67 68	90 91 97	121 92	95 103 95
	32 32 34 37 36	10 11 11	2 1 5	1 1 2 -		8 12	39 37 36 44 48	88 94 106	146	169 215 177	64 141 191	107 106 111 123 120	1959 1960 1961 1962 1963	20 22 22 21 21	10 8 10	4 3 4	0 2 1 1 1	1 1 1 2 1	8 8 8 8 7	15 17 14 18 14	30 37 49 38 39	72 65 67	113 103 93	108 115 98	109 107 103
											Brain an	d other p	arts of	f nervo	us s	yster	n (1	93)							
	39 42 41 41 50	24 22 15	17	10 9 11 13 12	19 17 19	40 35 39 39 41	83 74 77	118 111 118	65 75 68	23 19 19	13 - 12	109 117 114 114 136	1954 1955 1956 1957 1958	27 27 28 29 34	19 18 9	13 11 10 10 14	9 9 8 8 11	18 14 15 11 14	26 29 27	47 44 47 50 55		40 42 44	10 20 12 14) - 1 11	117 125 126
	48 50 51 50 49	19 28 16	15 20 18 15 17	12 9 14 14 8	18 22 15	45 38 48	95 94 91	137 140 146	86 92 96	29 18 30	11 -	131 136 139 138 135	1959 1960 1961 1962 1963	35 33 36 33 35	23 18 21	15 12 14 12 14	11 7 12 10 9	18 14 16 19 21	30 29	55 56 56 49 54	84 91 78	50 53 59	18 24	8 15 4 14 2 13	146 156 143

	Table Ca	88 - c	ont inue	ed					85	S.M.	R. Veen	All					Τ				85	S.M.R.
	All ages 0-	- 5-	15- 25-	35-		55-	65-	75-	and over	(1950- = 100)	ages	5-	15-	25- 35		FEMALE:		5-	75-	and over	(1950-52 = 100)
	17	11 4 1	11 4	6	13	29	75	112	122	one (inc)	uding jaw 1954	14	(196) 2 5	7	2	41	8 3	25	52	55	87	95
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136	60 4	46 35 49 34	22 24 24 21	33	48	105	193	262 314	205	121	1958	52	37 20 39 30	11	20	28	46	771	124	191	160	113
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	All ages	25-	35-	45-	55-	65	5- 7	75- ar	nd (S.M.R. 1950-52 = 100)	Year	All ages	25-	35-	- 45	5-	55-	65-	75	- a	nd ver	S.M.R. (1950-52 = 100)
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	25 20 24 22 22 19 18		5 5 4 5 4 2 3	11 10 15 13 17 15 15 13	,	59 59 47 41 49 47 40 41	124 109 135 96 108 96 87	254 192 211 240 214 185 146	308 262 337 205 256 149 249	106 97 79 90 83 85 73 68	1.954 1.955 1.956 1.957 1.958 1.959 1.960 1.961	15 14 14 15 14 13 14 14	3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		6 6 7	21 20 16 15	30 30 31 33 33	A 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	43 46 54 36	57 47 61 51	84 87 71 53 73 69 46 67	100 95 103 96 87 96 95 93
	25 20 24 22 22		5 5 4 5	11 10 15 13 17 15	,	59 59 47 41 49 47 40	124 109 135 96	254 192 211 240 214 185	308 262 337 205 256 149	106 97 79 90 83 85 73 68 71 63	1.954 1.955 1.956 1.957 1.958 1.959 1.960	15 14 14 15 14 13 14 14 14 14 13	3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		6 6 7 7 7 5	21 20 16 15 20 13 19	30 30 31 33 33 33 28 31 31	4 2 5 5	43 46 54 36 41 46 45	57 47 61 51 46 48 60	84 87 71 53 73 69 46	100 95 103 96 87 96 95
	25 20 24 22 22 19 18 18 16		5 5 4 5 4 2 3 7	11 10 15 13 17 15 13 13		59 59 47 41 49 47 40 41 30 37 L23	124 109 135 96 108 96 87 96 82	254 192 211 240 214 185 146 197 143	308 262 337 205 256 149 249 170 212	106 97 79 90 83 85 73 68 71 63 0es	1.954 1.955 1.956 1.957 1.958 1.959 1.960 1.961 1.962 1.963	15 14 14 15 14 13 14 14 14 14 13	3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		6 6 6 7 7 7 5 5	21 20 16 15 20 13 19 16 14	30 30 31 33 33 33 28 31 31 29		43 446 54 336 41 46 45 48 338	57 47 61 51 46 48 60 57	84 87 71 53 73 69 46 67	100 95 103 96 87 96 95 93 90
	25 20 24 22 22 19 18 18 16		5 5 4 5 4 2 3 7 3	11 10 15 13 13 13 12 13 13 12		59 59 47 41 49 47 40 41 30 37	124 109 135 96 108 96 87 96 82	254 192 211 240 214 185 146 197 143	308 262 337 205 256 149 249 170 212	106 97 79 90 83 85 73 68 71 63	1.954 1.955 1.956 1.957 1.958 1.959 1.960 1.961 1.962 1.963	15 14 14 15 14 13 14 14 14 13 150)	3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		6 6 6 7 7 7 5 5 6 6	21 20 16 15 20 13 19 16 14 15	30 30 31 33 33 33 28 31 31 29 29		43 46 54 36 41 46 45 48 38	57 47 61 51 46 48 60 57 61	84 87 71 53 73 69 46 67 70	100 95 103 96 87 96 95 93 90
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137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60		5 5 4 5 4 2 3 7 3 8 9 10 8 6 8 6 7 7	11 10 15 13 17 15 13 13 12 37 36 37 36 37 36 38 43 40		59 59 47 41 49 47 40 41 30 37 123 126 127 13 131 130 129 140 140 140 140 150	124 109 135 96 108 96 87 96 82 330 337 329 322 345 331 299 308 314 313	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 621 594 586	308 262 337 205 256 149 249 170 212 811 679 775 709 557 856 777 803 977 933	106 97 79 90 83 85 73 68 71 63 0es 85 88 88 82 81 85 79 82 84 83	1.954 1.956 1.956 1.956 1.957 1.958 1.959 1.960 1.961 1.962 1.963 cophagus (: 1.954 1.955 1.956 1.957 1.958 1.959 1.960 1.961 1.962 1.963 comach (15:	15 14 14 15 14 13 14 14 14 13 150) 40 41 41 41 42 41 43 44 44 44 41			6667775566600655	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 24 26	30 30 31 33 33 88 31 31 29 29 68 57 67 61 62 64 60 67 66 66		43 46 46 54 53 6 41 44 48 48 49 49 41 40 40 40 40 40 40 40 40 40 40 40 40 40	57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379	100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 104 105
137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60		5 5 4 5 4 2 3 7 3 8 9 10 8 6 8 7 7 7	11 10 15 13 17 15 13 13 12 37 36 37 39 34 37 36 38 40 40 318 331 293		59 59 47 41 49 47 40 41 30 37 123	124 109 135 96 108 96 87 96 82 330 337 329 322 345 331 299 308 314 313 954 907 2	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 653 653 653 653 653 859 586	308 262 337 205 256 149 249 170 212 811 679 775 709 557 856 777 803 977 933	106 97 79 90 83 85 73 68 71 63 0es 88 88 82 81 85 79 82 84 83 85 79 82 84 83	1.954 1.956 1.956 1.956 1.957 1.958 1.959 1.960 1.961 1.962 1.963 cophagus (3) 1.956 1.956 1.957 1.958 1.959 1.960 1.961 1.962 1.963 comach (15) 1.954 1.955 1.956 1.955 1.956	15 14 14 15 14 13 14 14 14 13 150) 40 41 41 42 41 42 41 43 44 44 44 41 41 42 43 44 44 44 41 41 41 41 41 41 41	3 2 1 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		6 6 6 7 7 7 5 5 6 6 10 6 5 5 7 7 7 43 42 45	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 24 26 27 20	30 30 31 33 33 28 31 29 29 68 57 67 61 62 64 60 66 66	1	43 46 46 54 54 54 65 41 44 45 48 49 41 55 55 55 41 44 45 48 48 48 48 48 48 48 48 48 48 48 48 48	57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379	100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 105 104 105
137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60 369 373 360 369 369 365		5 5 4 5 4 2 3 7 3 8 9 10 8 6 7 7 7 8 7 7	11 10 15 13 17 15 13 13 13 13 13 37 36 37 39 34 37 36 38 43 40 40 318 331 293 311 303		59 59 47 41 49 47 40 41 30 37 123 123 126 1241 119 123 127 13 131 130 129 1385 1	124 109 135 96 108 96 87 96 82 330 337 329 322 345 331 299 308 314 313 ,981 ,981 ,984 ,907 ,989 ,926	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 653 653 653 653 653 653 82,979 2,979 2,938 2,954 2	308 262 337 205 256 149 249 170 212 811 679 775 709 557 856 777 803 977 933 ,581 ,859 ,712 ,930 ,830	106 97 79 90 83 85 73 68 71 63 0es 85 88 88 82 81 85 79 82 84 83 85 79 82 84 83 85 84 83 85 84 85 85 86 87 87 87 87 87 87 87 87 87 87 87 87 87	1.954 1.956 1.956 1.956 1.957 1.958 1.959 1.960 1.961 1.962 1.958 1.958 1.958 1.959 1.960 1.961 1.962 1.963 omach (15: 1.956 1.957 1.958	15 14 14 15 14 13 14 14 14 14 13 150) 40 41 41 42 41 43 44 44 44 44 44 44 44 44 44 44 44 44			6 6 6 7 7 7 5 5 6 6 10 6 5 5 7 7 7 43 42 45 42 41	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 24 26 21 28 26 24 26 27 20 21 21 21 21 21 21 21 21 21 21 21 21 21	30 30 31 33 33 28 31 29 29 68 57 67 61 62 64 60 67 66 66	1.0 1.0 1.0 1.0 1.0 1.0	43 46 54 54 53 6 41 44 48 48 48 49 65 52 55 59 41 44 44 54 54 54 74 48 77 70 10 10 10 10 10 10 10 10 10 10 10 10 10	57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,495	100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 105 104 105
137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60 369 373 360 369 365 362 356 348	1	5 5 4 5 4 2 3 7 3 8 9 10 8 6 8 7 7 7 7 8 8 7 7 7 8 6 6 6 6 6 6 6	11 10 15 13 17 15 13 13 13 13 13 13 37 36 40 40 40 40 40 40 40 40		59 59 47 41 49 47 40 41 30 37 123	124 109 135 96 108 96 87 96 82 330 337 329 322 345 331 299 308 314 313 314 313 314 315 316 317 318 318 319 319 319 319 319 319 319 319	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 653 653 653 653 653 653 82,954 22,938 22,938 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,954 22,955 22,95	308 262 337 205 256 149 249 170 212 811 679 775 709 557 856 777 803 977 933 ,581 ,859 ,712 ,930 ,830 ,744 ,543 ,950	106 97 79 90 83 85 73 68 71 63 0es 85 88 88 82 81 85 79 82 84 83 95 91 93 92 91 88 87	1954 1956 1956 1957 1958 1959 1960 1961 1962 1963 cophagus (3 1954 1956 1957 1958 1959 1960 1961 1963 comach (15: 1956 1957 1958 1959 1960 1961 1959 1960 1961	15 14 14 15 14 13 14 14 14 14 13 150) 40 41 41 41 42 41 43 44 44 44 44 44 44 44 44 44 44 44 44			6 6 6 7 7 7 5 5 6 6 10 6 5 5 5 7 5 7 7 43 42 44 44 37 37 38	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 27 20 21 28 26 24 26 27 20 21 26 21 26 21 21 21 21 21 21 21 21 21 21 21 21 21	30 30 31 33 33 28 31 31 29 29 68 57 67 61 62 64 60 67 66 66 66 39 39 39 39 39 39 39 39	1. 1. 1. 1. 1. 1. 1. 1.	43 46 46 47 48 48 49 40 <td>57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,890 ,865</td> <td>84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,495 2,668 2,729 2,314</td> <td>100 95 103 96 87 96 95 93 90 104 106 104 103 104 109 102 106 104 105 104 105</td>	57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,890 ,865	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,495 2,668 2,729 2,314	100 95 103 96 87 96 95 93 90 104 106 104 103 104 109 102 106 104 105 104 105
137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60 369 373 360 369 373 360 369 365		5 5 4 5 4 2 3 7 3 8 9 10 8 6 7 7 7 7 88 71 76 64 69 65 63	11		59 59 47 41 49 47 40 41 30 37 10 11 123	124 109 135 96 108 96 87 96 82 330 337 329 322 345 331 299 308 314 313 314 313 314 313 314 315 316 317 318 318 319 319 319 319 319 319 319 319	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 653 653 653 653 653 653 821 594 586 2,979 2,938 2,938 2,954 2,986 2,986 2,898 2,898	308 262 337 205 256 149 249 170 212 811 679 775 709 557 856 777 803 977 933 ,581 ,859 ,712 ,930 ,830 ,744 ,543 ,950 ,665	106 97 79 90 83 85 73 68 71 63 0es 85 88 88 82 81 85 79 82 84 83 84 83 85 95 91 93 92	1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1963 1955 1956 1957 1958 1963 0mach (15: 1954 1963 0mach (15: 1954 1955 1956 1957 1958	15 14 14 15 14 13 14 14 14 14 13 150) 40 41 41 41 42 41 43 44 44 44 44 44 44 44 44 44 44 44 44			6 6 6 7 7 7 5 5 6 6 10 6 5 5 5 7 5 7 7 43 442 41 37 37 38 38	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 27 20 21 28 26 24 26 27 20 21 28 26 21 26 26 27 20 21 21 21 21 21 21 21 21 21 21 21 21 21	30 30 31 33 33 28 31 31 29 29 68 57 67 61 62 64 60 67 66 66 66 39 39 39 39 39 39 39 39	1.0 1.0 1.0 1.0 1.0 1.0 9.9 9.8	43 46 46 47 48 48 49 40 <th>57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,865 ,819</th> <th>84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,495 2,668 2,729</th> <th>100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 105 104 105 104 105</th>	57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,865 ,819	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,495 2,668 2,729	100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 105 104 105 104 105
137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60 369 373 360 369 365 368 356 348 341 339	2 1 1 1 1 1 2 2 0 1 2 1 2 1 2 1 2 1 2 1	5 4 5 4 3 8 9 10 8 7 7 88 7 7 88 7 7 88 7 7 88 7 7 88 7 7 88 7 7 88 7 7 88 7 7 88 7 88 7 88 7 88 7 88 9 10 88 9 10 88 9 10 88 9 10 88 9 10 10 10 10 10 10 10 10 10 10	11		59 47 41 49 47 40 41 30 37 1 1 1 1 1 1 1 1 1	124 109 135 96 108 96 87 96 82 330 337 329 322 345 331 299 308 314 313 314 313 314 315 316 316 317 318 318 318 318 318 318 318 318	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 621 594 586 23,959 23,169 23,958 24,986 24,986 22,886 22,886 22,886 22,886 22,886 22,886 23,886 23,886 24,886 25,886 26,886	308 262 337 205 256 149 249 170 212 811 679 775 709 557 856 777 803 977 933 ,581 ,859 ,712 ,930 ,830 ,744 ,543 ,950 ,665 ,672 Large	106 97 79 90 83 85 73 68 71 63 0es 85 88 88 82 81 85 79 82 84 83 85 95 91 93 92 93 93	1954 1956 1956 1957 1958 1959 1960 1961 1962 1963 cophagus (3 1954 1955 1956 1957 1958 1960 1961 1962 1963 comach (15: 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 comach (15: 1954 1955 1956 1957 1958 1959 1960 1961 1963	15 14 14 15 14 13 14 14 14 14 13 150) 40 41 41 41 42 41 43 44 44 44 44 1) 273 268 268 258 264 258 252 245 245 245	33 33 33 34 35 36 37 37 37 37 37 37 37 37		6 6 6 7 7 7 5 5 6 6 10 6 5 5 5 7 5 7 7 43 24 24 24 24 24 24 24 24 24 24 24 24 24	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 21 28 26 24 26 21 19 119 119 119 119 119 119 119 119 1	30 30 31 33 33 38 31 31 29 29 68 57 67 61 62 64 60 67 66 66 66 395 395 394 392 362 355 347 341 335 332 335 336 347 341 335 336 347 341 3	1.4	43 46 46 46 47 48 48 49 40 <td>57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,890 ,865 ,819 ,858</td> <td>84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,495 2,668 2,729 2,314 2,635 2,776</td> <td>100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 105 104 105 104 105 104 105</td>	57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,890 ,865 ,819 ,858	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,495 2,668 2,729 2,314 2,635 2,776	100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 105 104 105 104 105 104 105
137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60 369 373 360 369 365 362 356 348 341	2 1 1 1 2 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1	55 44 5 42 37 3 8 9 10 86 77 77 88 71 76 64 69 65 65 57	11		59 59 47 41 49 47 40 41 30 37 10 11 123	124 109 135 96 108 96 87 96 82 330 337 329 322 345 331 313 313 314 313 314 313 314 313 314 313 315 316	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 621 594 586 2,979 2,938 2,938 2,938 2,986 2,995 2,986	308 262 337 205 256 149 249 170 212 811 679 709 557 856 777 803 977 933 ,581 ,859 ,712 ,930 ,830 ,744 ,543 ,950 ,665 ,672 Large ,784 ,447 ,413 ,477	106 97 79 90 83 85 73 68 71 63 0es 85 88 88 82 81 85 79 82 84 83 85 95 91 93 92 91 88 87 86 86 86	1954 1956 1956 1957 1958 1959 1960 1961 1962 1963 cophagus (3 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 comach (15: 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 comach (15: 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963	15 14 14 15 14 13 14 14 14 14 13 150) 40 41 41 41 42 41 43 44 44 44 44 1) 273 268 258 258 258 258 258 258 258 258 258 25	13 13 13 14 15 10 11 11 11 12 13 15 15 15 15 15 15 15 15		6 6 6 7 7 7 5 5 6 6 10 6 5 5 5 7 5 7 7 43 42 45 42 41 37 38 38 31 56 47 46 40	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 27 20 21 28 26 24 26 21 26 21 26 21 26 21 26 21 26 21 26 21 21 21 21 21 21 21 21 21 21 21 21 21	30 30 31 33 33 33 28 31 31 29 29 68 57 67 61 62 64 60 66 66 433 395 394 392 362 347 341 335 332 347 341 335 332 359 366 351	1.0 1.0	43 46 54 54 65 65 65 65 65 65 74 86 77 86 77 86 87 83 87 83 84 83 84 85 86 87 <th>57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,890 ,865 ,819 ,858</th> <th>84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,380 2,495 2,668 2,729 2,314 2,635 2,776 2,763 2,777</th> <th>100 95 103 96 87 96 95 93 90 104 106 104 103 104 105 102 106 104 105 105 104 105 107 108 109 109 109 109 109 109 109 109</th>	57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,890 ,865 ,819 ,858	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,380 2,495 2,668 2,729 2,314 2,635 2,776 2,763 2,777	100 95 103 96 87 96 95 93 90 104 106 104 103 104 105 102 106 104 105 105 104 105 107 108 109 109 109 109 109 109 109 109
137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60 369 373 360 369 365 356 348 341 339	2 1 1 1 1 1 2 2 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1	5 5 4 5 4 2 3 7 3 8 9 10 8 6 7 7 8 8 7 7 8 8 6 7 7 6 6 6 6 6 6 6 6 6 6 6 6 6	11		59 47 41 49 47 40 41 30 37 123	124 109 135 96 108 96 87 96 82 330 337 329 345	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 653 653 653 653 653 653 859 2,979 2,938	308 262 337 205 256 149 249 170 212 811 679 709 557 856 777 803 977 933 ,581 ,859 ,712 ,930 ,830 ,744 ,543 ,950 ,665 ,672 Large ,784 ,447 ,477 ,477 ,122	106 97 79 90 83 85 73 68 71 63 0es 85 88 88 82 81 85 79 82 84 83 85 95 91 93 92 91 88 86 86 86 86 86 87 87 88 88 88 88 88 88 88 88 88 88 88	1954 1956 1956 1957 1958 1959 1960 1961 1962 1963 cophagus (3 1954 1955 1956 1957 1958 1954 1962 1963 comach (15: 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 comach (15: 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963	15 14 14 14 15 14 14 14 15 15 14 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	13 13 13 14 15 15 15 15 15 15 15 15		66667777555666006555777743424542413737883315664746404041	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 27 20 21 28 26 24 26 21 26 21 26 21 26 21 26 21 26 21 26 21 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	30 30 30 31 33 33 38 31 29 29 68 57 67 61 62 64 60 67 66 66 66 355 347 341 335 332 359 362 351 335 335 335 347 341 335 335 336 335 336 335 336 3	1.4	43 46 46 46 46 46 46 46 46 46 46 46 46 46	57 47 61 51 46 48 60 57 61 314 334 307 315 302 308 307 315 308 307 313 319 308 307 313 319 308 309 319 308 309 319 319 319 319 319 319 319 31	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,380 2,495 2,668 2,729 2,314 2,635 2,777 2,899 2,751	100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 105 105 106 104 105 107 108 109 109 109 109 109 109 109 109
137	25 20 24 22 19 18 18 16 61 63 64 61 60 63 59 61 61 60 369 373 360 369 365 362 356 348 341 339	2 1 1 1 2 2 0 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1	55 45 42 37 3 89 10 86 77 7 88 71 76 64 69 65 65 65 65 65 65 65 65	11		59 59 47 41 49 47 40 41 30 37 1 1 1 1 1 1 1 1 1	124 109 135 96 87 96 82 330 337 329 345 331 313 313 314 313 314 313 314 313 315 314 315	254 192 211 240 214 185 146 197 143 683 737 696 646 599 643 653 653 653 653 653 653 82,979 2,938 2,938 2,938 2,986 2	308 262 337 205 256 149 249 170 212 811 679 709 557 856 777 803 977 933 ,581 ,859 ,712 ,930 ,830 ,744 ,543 ,950 ,665 ,672 Large ,784 ,413 ,477 ,477 ,477 ,122 ,181 ,408	106 97 79 90 83 85 73 68 71 63 0es 85 88 88 82 81 85 79 82 84 83 85 95 91 93 92 91 88 88 88 88 89 86 86 86 86 88 88	1954 1956 1956 1957 1958 1959 1960 1961 1962 1963 cophagus (3 1954 1955 1956 1957 1958 1954 1962 1963 comach (15: 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 comach (15: 1954 1955 1956 1957 1958	15 14 14 15 14 13 14 14 14 14 13 150) 40 41 41 41 42 41 43 44 44 44 44 1) 273 268 258 268 258 258 258 245 245 245 245 236 236 233 232	(153) (153) (153)		6666777755566600655577774342454241 3773388331 5647464040 4104040	21 20 16 15 20 13 19 16 14 15 25 24 26 27 20 21 28 26 24 26 27 20 21 28 26 24 26 21 26 21 26 21 26 21 26 21 26 21 26 21 26 26 27 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	30 30 31 33 33 38 31 29 29 68 57 67 61 62 64 60 67 66 66 66 355 347 341 335 332 359 366 351 335 335 335	1.0 1.0 1.0 1.0 1.0 1.0 9.9 9.8 8.8 8.8 7.7 7.7 7.7 7.7 7.7	43 46 46 46 46 46 46 46 46 46 46 46 46 46	57 47 61 51 46 48 60 57 61 314 334 307 315 321 302 306 307 313 319 ,115 ,080 ,126 ,967 ,032 ,019 ,865 ,819 ,858 ,745 ,613 ,625 ,624	84 87 71 53 73 69 46 67 70 404 365 387 375 441 409 453 428 458 379 2,366 2,605 2,503 2,380 2,495 2,668 2,729 2,314 2,635 2,776 2,763 2,777 2,899	100 95 103 96 87 96 95 93 90 104 106 104 103 104 103 104 105 104 105 104 105 104 105 104 105

	Table (C88 - C	cont inu	ied															
	All ages	25-	35-	45-	55-	65-	75-	85 and over	S.M.R. (1950-52 = 100)	Year	All ages	25-	35-	45-	55-	65-	75-	85 and over	S.M.R. (1950-52 = 100)
				M	1ALES					ım (154)				FE	MALES				
	157 149 147 144 144	6 7 4 7 4	27 22 21 20 23	95 95 77 83 91	288 311 281 274 291	854 760 794 773 735	1,737 1,664 1,679 1,575 1,565	1,615 1,938 1,663	91 86 84 82 82	1954 1955 1956 1957 1958	108 104 103 98 107	7 7 5 4 4	28 20 27 22 21	74 69 74 65 69	184 183 163 152 171	381 378 382 357 367	776 708 670 666 731	1,099 1,078 1,081 1,043 1,197	96 91 90 84 91
138	140 137 131 130 129	5 5 5 5 5	23 21 21 21 21 19	83 86 73 73 83	272 253 264 267 245	729 718 659 663 671	1,492 1,448 1,371 1,410 1,371	1,872 2,017 1,794	79 77 74 74 74	1959 1960 1961 1962 1963	111 103 102 101 105	6 3 3 3 3	23 17 21 22 18	68 68 70 68 69	166 147 149 152 146	368 375 345 335 350	806 696 680 669 728	1,145 1,030 1,049 1,072 1,093	93 86 84 84 86
	83 86 86 87 91	3 2 2 3 3	20 19 16 15 16	71 69 74 76 75	204 216 223 218 214	448 441 442 471 472	667 718 712 656 762	784 795 538 709 886	Pancr. 105 108 107 108 113	1954 1955 1956 1957 1958	67 71 67 74 75	1 2 2 1 2	10 9 10 15 9	40 45 32 43 40	111 121 126 129 122	275 294 276 275 305	462 465 442 510 476	689 623 549 603 718	100 105 98 107 107
	95 94 93 93 98	0 1 2 2 4	17 18 17 14 16	71 70 77 80 84	238 229 225 218 237	500 485 471 496 500	762 770 747 773 826	933 957 998 786 901	117 115 114 115 122	1959 1960 1961 1962 1963	79 79 80 84 · 82	2 1 1 3 2	10 12 8 10 13	42 42 44 42 45	141 115 132 142 134	289 308 304 317 302	534 540 504 526 536	658 739 731 778 675	111 111 111 116 113
	657 693 726 759 784	25 24 25 20 23	181 175 172 169 166	934 895 918 915 916	2,410 2,539 2,625 2,724 2,684	3,040 3,310 3,473 3,658 3,923	2,018 2,280 2,473 2,655 2,969	1,288	122 128 133 138 142	and lung 1954 1955 1956 1957 1958	102 106 111 116 119	11 10 10 9 11	41 39 40 40 48	122 120 122 133 135	235 261 267 280 278	379 390 393 390 401	388 416 445 476 468	373 275 428 364 404	107 111 115 118 121
	831 856 871 895 909	24 28 24 24 23	182 158 163 159 146	912 898 921 907 903	2,849 2,879 2,875 2,935 2,918	4,171 4,316 4,525 4,778 4,951	3,211 3,564 3,705 3,882 4,185	1,862 1,887 1,847	149 153 156 161 164	1959 1960 1961 1962 1963	123 132 140 146 152	10 8 8 9 6	46 52 51 50 46	147 146 158 162 183	287 300 325 353 353	411 456 480 484 534	467 517 541 581 553	368 399 474 396 527	124 132 141 146 152
					MALES				Bro	east (170)				F	FEMALES				
	4 4 3 3 3	0	2 1 1 0 2 2	2 4 2 3	8 12 8 10 6	19 14 16 17 14	30 28 17 24 37	27 64 50 47 34	125 119 105 105 109	1954 1955 1956 1957 1958	364 369 371 370 383	34 39 35 32 39	228 207 212 196 214	528 546 531 538 556	747 756 750	1,060 1,062 1,067	1,537 1,535 1,549 1,535 1,525	2,354 2,317 2,341 2,228 2,351	100 100 100 99 101
	4 3 3	-	1 1 0	2 4 2	8 12 8 10	14 16 17	28 17 24	64 50 47	125 119 105 105	1954 1955 1956 1957	369 371 370	39 35 32	207 212 196	528 546 531 538	747 756 750 767 757	1,060 1,062 1,067 1,029	1,535 1,549 1,535	2,317 2,341 2,228	100 100 99
	4 3 3 3 3 4 3	- - - 0	1 1 0 2	2 4 2 3 4 3 4	8 12 8 10 6 7 5 8 9 6 FEMALES	14 16 17 14 13 16 20 11 12	28 17 24 37 24 25 25 37	64 50 47 34 56 53 33 53	125 119 105 105 109 92 92 118 114	1954 1955 1956 1957 1958 1959 1960 1961 1962	369 371 370 383 371 382 389 389	39 35 32 39 35 33 33 37	207 212 196 214 201 194 188 206	528 546 531 538 556 551 569 584 569 590	747 756 750 767 757 742 774 810 829 813	1,060 1,062 1,067 1,029 1,089 1,050 1,051 1,043 1,048 1,020	1,535 1,549 1,535 1,525 1,409 1,498 1,526 1,457	2,317 2,341 2,228 2,351 2,192 2,217 2,240 2,170	100 100 99 101 97 100 102 102
1.2	4 3 3 3 3 3 4 3 3 3 105 108 108 106	- - - 0	72 79 78 93	2 4 2 3 2 4 3 4 4 Cervi: 172 156 165 150	8 12 8 10 6 7 5 8 9	14 16 17 14 13 16 20 11 12	28 17 24 37 24 25 25 37 29 325 325 328 331	56 53 33 53 43 304 275 312 332	125 119 105 105 109 92 92 118 114	1954 1955 1956 1957 1958 1959 1960 1961 1962	369 371 370 383 371 382 389 389	39 35 32 39 35 33 33 37	207 212 196 214 201 194 188 206	528 546 531 538 556 551 569 584 569 590	747 756 750 767 757 742 774 810 829 813	1,060 1,062 1,067 1,029 1,089 1,050 1,051 1,043 1,048 1,020	1,535 1,549 1,535 1,525 1,409 1,498 1,526 1,457	2,317 2,341 2,228 2,351 2,192 2,217 2,240 2,170	100 100 99 101 97 100 102 102
139	4 3 3 3 3 3 4 3 3 3 105 108 108	20 24 27 24	1 1 0 2 0 0 0 1 1 1 1 1	2 4 2 3 2 4 3 4 4 Cervi: 172 156 165	8 12 8 10 6 7 5 8 9 6 S x uteri 239 254 235 223	14 16 17 14 13 16 20 11 12 (171) 302 314 316 302	28 17 24 37 24 25 25 37 29 325 325 328	56 53 33 53 43 304 275 312	125 119 105 105 109 92 92 118 114 101	1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1963	369 371 370 383 371 382 389 389 390 .	39 35 32 39 35 33 33 37 40	207 212 196 214 201 194 188 206 208	528 546 531 538 556 551 569 584 569 590 Corpus	747 756 750 767 757 742 774 810 829 813 FEMALES uteri 136 129 135 133	1,060 1,062 1,067 1,029 1,089 1,050 1,051 1,043 1,048 1,020 (172)	1,535 1,549 1,535 1,525 1,409 1,498 1,526 1,457 1,505	2,317 2,341 2,228 2,351 2,192 2,217 2,240 2,170 2,269 267 281 249 201	100 100 99 101 97 100 102 102 102 102 95 91 92 93
139	105 108 108 108 106 116 109 110 105 104	20 24 27 24 24 20 21 16 10	72 79 78 93 99 100 109 92 106	2 4 2 3 3 4 2 2 4 3 4 4 2 156 165 150 178 162 183 171 174 177	### 12	14 16 17 14 13 16 20 11 12 (171) 302 314 316 302 304 286 279 255 262 255	28 17 24 37 24 25 25 37 29 325 328 331 348 371 354 338 328 331 348	56 53 33 53 43 56 53 33 53 43 375 312 332 378 399 379 363 373	125 119 105 105 109 92 92 118 114 101 90 92 91 89 96 90 90 87 86	1954 1956 1957 1958 1959 1960 1961 1962 1963 1955 1956 1957 1958 1959 1960 1961 1962	369 371 370 383 371 382 389 389 390 .	39 35 32 39 35 33 37 40	207 212 196 214 201 194 188 206 208 208	528 546 531 538 556 551 569 584 569 590 Corpus 44 47 51 45 45 45 45 39 39	747 756 750 767 757 742 774 810 829 813 FEMALE: uteri 136 129 135 133 131 130 133 123 126 120	1,060 1,062 1,067 1,029 1,089 1,050 1,051 1,043 1,048 1,020 S (172) 184 175 185 179 178 190 187 197 203 167	1,535 1,549 1,535 1,525 1,409 1,498 1,526 1,457 1,505 262 237 218 277 248 223 237 221 210 236	2,317 2,341 2,228 2,351 2,192 2,217 2,240 2,170 2,269 267 281 249 201 191 300 294 262 235	100 100 99 101 97 100 102 102 102 102 95 91 92 93 90 91 92 91 91
139	105 108 108 108 106 116 109 110 105 104	20 24 27 24 24 20 21 16 10	72 79 78 93 99 100 109 92 106	2 4 2 3 3 4 2 2 4 3 4 4 2 156 165 150 178 162 183 171 174 177	## 12	14 16 17 14 13 16 20 11 12 (171) 302 314 316 302 304 286 279 255 262 255	28 17 24 37 24 25 25 37 29 325 328 331 348 371 354 338 328 331 348	56 53 33 53 43 56 53 33 53 43 304 275 312 332 378 399 379 363 373 396 373 396	125 119 105 105 109 92 92 118 114 101 90 92 91 89 96 90 90 87 86	1954 1956 1957 1958 1959 1960 1961 1962 1963 1955 1956 1957 1958 1959 1960 1961 1962	369 371 370 383 371 382 389 389 390 .	39 35 32 39 35 33 37 40	207 212 196 214 201 194 188 206 208 208	528 546 531 538 556 551 569 584 569 590 Corpus 44 47 51 45 45 45 45 39 39	747 756 750 767 757 742 774 810 829 813 FEMALE: uteri 136 129 135 133 131 130 133 123 126 120	1,060 1,062 1,067 1,029 1,089 1,050 1,051 1,043 1,048 1,020 S (172) 184 175 185 179 178 190 187 197 203 167	1,535 1,549 1,535 1,525 1,409 1,498 1,526 1,457 1,505 262 237 218 277 248 223 237 221 210 236	2,317 2,341 2,228 2,351 2,192 2,217 2,240 2,170 2,269 267 281 249 201 191 300 294 262 235	100 100 99 101 97 100 102 102 102 102 95 91 92 93 90 91 92 91 91

All ages	25-	35-	45-	55-	65-	75-	85 and over	S.M.R. (1950-52 = 100)	Year	All ages	25-	35-	45-	55-	65-	75-	85 and over	S.M.R. (1950-5 = 100)
				MALES				Bladde	or (181.0,	.8)			- 1	FEMALES				
87 91 93 94 92	1 2 1 1 1	11 8 13 11 8	54 60 60 51 46	212 197 201 202 200	464 500 494 493 511	929 941 985	1,027 1,013 1,250 1,209 1,091	101 105 108 107 105	1954 1955 1956 1957 1958	36 36 36 36 36 36	2 1 - -	4 4 4 4	15 19 14 13 16	52 51 42 50 50	147 145 143 142 140	296 298 294 285 283	391 341 514 446 372	106 106 104 104 103
91 96 96 103 99	0 - 2 1 1	10 8 12 11 4	51 46 54 47 52	203 194 193 200 205	501 549 534 585 534	987		103 109 109 117 113	1959 1960 1961 1962 1963	40 39 38 39 37	1 0 0 0 0	3 4 5 3 3	16 17 15 19	57 50 49 54 54	139 136 144 132 117	307 320 259 301 292	508 355 478 418 405	111 106 103 107 100
								Other urin	ary organs	(181.7)								
1 1 1 1 1	20 10- 11- 11-		1 0 1 2 0	2 2 2 1 3	4 3 4 3 1	9 3 2 12 3	- - - - - 11	175 115 123 186 111	1954 1955 1956 1957 1958	1 1 1 1 1	0	0 - 1		3 2 2 3 1	5 3 5 4 3	3 6 10 7 1	12 - 12 5 5	111 77 130 118 61
1 1 1 1	54- 54- 54- 50-	- 0 -	1 0 1 2	2 3 1 2	3 1 2 3	7 8 5 7	11 -	135 134 124 177	1960 1961 1962 1963	1 1 1 1		0 0 1 -	1 1 1 0	3 1 0 1	1 5 5 3	3 10 8 6	10 5 4 4	88 120 103 77
								Hodgkin	s disease	(201)								
23 23 24 27 22	24 28 26 28 25	29 26 28 32 21	30 29 23 37 29	39 40 49 48 38	51 49 56 50 45	39 44 47 54 56	27 13 12 47 34	107 106 108 124 100	1954 1955 1956 1957 1958	13 12 13 12 13	12 12 16 13 14	11 12 13 11 12	11 14 13 14 14	22 18 22 23 23	32 30 27 26 32	30 20 36 30 24	12 42 12 - 11	105 104 112 104 113
25 23 24 24 23	30 23 28 31 27	25 29 31 25 20	38 31 32 33 36	42 41 40 41 38	51 44 56 56 56 39	56 44 50 67 48	11 11 54 11 32	114 106 112 112 106	1959 1960 1961 1962 1963	14 15 13 15 15	18 14 12 16 12	15 13 9 13 15	13 15 14 14 14	24 24 21 22 20	28 34 23 38 21	33 43 36 39 39	36 20 51 13 13	118 125 108 122 105

Table C89. Leukaemia and aleukaemia (ICD No. 204), death rates per million living, by sex and age, 1958 to 1963, England and Wales

		0-14	-1		15-24			25-44			45-64	1501.33	65	and ov	er		All ages	S
Year	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
							A	cute leu	kaemia (I	CD No.	204.3)							
1959 1960 1961	34.6 31.8 34.9 32.7 27.4 31.7	21.4 29.2 26.6 23.6 24.4 26.0	28.2 30.5 30.8 28.3 25.9	16.7 19.7 20.8 21.4 20.3	8.5 16.6 12.5 13.4 12.8	12.6 18.2 16.7 17.4 16.6	17.6 17.7 22.0 16.5 15.2	11.6 14.0 11.7 14.5 16.0	14.6 15.9 16.8 15.5 15.6	32.1 28.3 35.7 32.7 32.1 33.6	24.7 27.1 26.1 26.1 28.4 31.2	28.2 27.7 30.7 29.3 30.2 32.4	71.9 67.8 98.0 85.0 94.4	48.8 43.8 53.1 56.1 62.6	57.8 53.1 70.4 67.1 74.7 75.3	30.4 28.8 35.7 31.7 30.5	21.9 25.2 24.6 25.3 27.2	26.0 26.9 30.0 28.4 28.8
						Remain	der of	leukaem	ia and al	eukaemi	la (ICD :	204 rem.)						
1958 1959 1960 1961 1962	3.8 6.8 4.3 6.3 4.8	4.4 3.6 2.9 3.7 4.1	4.1 5.2 3.6 5.0 4.4	5.7 4.5 4.0 5.5 5.5	2.8 2.1 3.4 2.0 4.7	4.3 3.3 3.7 3.7 5.1	11.2 13.4 11.2 10.7 10.0	9.2 10.1 8.2 7.3 10.5	10.2 11.7 9.7 9.0 10.3	44.2 40.3 40.5 45.3 43.9	27.7 33.2 33.5 35.1 32.3	35.5 36.6 36.9 40.0 37.8	141.4 158.7 170.2 155.7 163.3	98.2 102.8 105.2 102.2 104.6	115.0 124.4 130.3 122.6 126.9	29.4 31.3 31.2 31.3 30.9	24.5 26.7 26.8 26.6 27.4	26.9 28.9 28.9 28.9 29.1

Table C90. Diseases of the circulatory system, vascular lesions affecting the central nervous system, and congenital malformations of circulatory system, death rates per million living, and Standardised Mortality Ratios (1950-52 = 100), by sex, 1953 to 1963

England and Wales

	Abbre- viated List No.	ICD No.			1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
	B24	400-402	Rheumatic fever	{ M F	7 7	7 6	55	55	4 4	3 3	3	3 3	3 2	3 2	2 2
	B25	410-416	Chronic rheumatic heart disease	{ M F	157 240	148 237	140 232	142 223	138 225	118 208	113 195	112 196	115 205	112 199	104 188
	1	420	Arteriosclerotic heart disease including coronary disease	{ M F	1,860	2,016	2,097	2,206	2,230	2,395 1,368	2,385	2,561	2,612	2,766 1,655	2,883
	B26	421	Chronic endocarditis not specified as rheumatic	{ M F	71 60	81 64	75 60	75 59	81 70	77 65	69 65	76 66	72 69	75 68	70 67
		422	Other myocardial degeneration	{ M F	1,230	1,177	1,179	1,112	976 1,335	988 1,382	868 1,275	809	789 1.230	736 1,169	706 1,142
	1	430	Acute and subacute endocarditis	{ M F	9 6	9 5	10 5	9 5	9	9 6	9 5	8 6	9 5	8 5	9 5
	B27 {	431-434	Other diseases of heart	{ M F	216 248	231 250	230 261	235 273	253 286	260 300	249 298	265 310	279 340	274 337	280 342
142	B28, 29	440-447	Hypertension with or without mention of heart disease	{ M F	451 453	457 472	458 498	444 486	419 464	400 469	362 437	353 423	331 424	303 386	291 376
	B46	450	General arteriosclerosis	{ M F	224 233	225 228	225 251	220 242	198 231	221 253	209 261	211 269	218 289	213 285	220 296
	(part) {	465	Pulmonary embolism and infarction	{ M F	18 19	19 19	22 21	21 25	22 24	22 29	29 31	32 34	34 38	35 40	37 45
		Rem. of 451-468	Other circulatory diseases	{ M F	68 70	76 79	81 85	89 94	95 93	101 101	104 102	112 115	118 124	131 132	148 145
	100	400-468	Diseases of the circulatory system	{ M F	4,311 3,950	4,446 3,973	4,521 4,131	4,558 4,124	4,425 3,980	4,595 4,183	4,401 4,065	4,542 4,151	4,579 4,293	4,654 4,277	4,752 4,344
		400 - 468	Standardised Mortality Ratios	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	95 92	97 90	98 92	99 91	95 86	98 89	94 85	96 86	98 88	100 87	103
	B22	330-334	Vascular lesions affecting the central nervous system	{ M F	1,356 1,716	1,433 1,811	1,454 1,868	1,442 1,877	1,411 1,854	1,439 1,921	1,412	1,405 1,909	1,394	1,398	1,413
	B41 (part)	754	Congenital malformations of circulatory system	{ M F	43 34	45 33	47 33	47 34	52 39	52 37	50 39	53 43	54 44	59 45	61 45

Table C91. Diseases of the circulatory system, vascular lesions affecting the central nervous system, and congenital malformations of circulatory system, deaths and death rates per million living, and per 100 deaths from all circulatory diseases, by sex and age, 1963, England and Wales

Abbre-						Male	s						Fema 1	es		
viated List No.	Cause of dea	th	All ages	O	15-	25-	45-	65-	75 and over	All ages	0-	15-	25-	45-	65-	75 and over
B24	Rheumatic fever	Deaths Rate Per cent	52 2.3 0.0	13 2.4 19.4	7 2.1 4.9	7 1.1 0.2	19 3.4 0.1	2.8 0.0	2.9 0.0	45 1.9 0.0	0.77 10.0	2.0 0.61 2.0	5 0.82 0.4	13 2.1 0.1	9 4.2 0.0	12 9.0 0.0
B24	Chronic rheumatic heart disease	Deaths Rate Per cent	2,382 104 2.2	0.73 6.0	43 13 30.1	399 64 13.0	1,130 200 3.6	491 340 1.6	315 461 0.7	4,542 188 4.3	0.19 2.5	28 8.5 28.6	514 84 43.5	1,960 320 16.0	1,096 510 4.3	943 703 1.4
	Arteriosclerotic heart disease	Deaths Rate Per cent	65,840 2,883 60.7	1 -	14 4.2 9.8	1,993 320 65.1	24,496 4,332 77.7	21,245 14,725 67.4	18,092 26,493 42.9	42,016 1,737 40.0	2 0.39 5.0	3 0.91 3.1	285 47 24.1	6,422 1,049 52.4	13,761 6,397 53.6	21,543 16,067 32.7
B26	Degenerative heart disease	Deaths Rate Per cent	17,719 776 16.3	8 1.5 11.9	25 7.4 17.5	144 23 4.7	1,395 247 4.4	3,420 2,370 10.9	12,727 18,637 30.2	29,240 1,209 27.8	5 0.96 12.5	10 3.0 10.2	50 8.2 4.2	901 147 7.3	3,916 1,820 15.2	24,358 18,167 37.0
B27	Other diseases of heart	Deaths Rate Per cent	6,602 289 6.1	37 6.8 55.2	29 8.6 20.3	151 24 4.9	1,174 208 3.7	1,869 1,295 5.9	3,342 4,894 7.9	8,399 347 8.0	20 3.9 50.0	17 5.2 17.3	98 16 8.3	782 128 6.4	1,951 907 7.6	5,531 4,125 8.4
B28	Hypertension with heart disease	Deaths Rate Per cent	4,082 179 3.8	-	1 0.30 0.7	45 7.2 1.5	924 163 2.9	1,381 957 4.4	1,731 2,535 4.1	6,201 256 5.9	- - -	0.30 1.0	17 2.8 1.4	656 107 5.3	1,834 853 7.1	3,693 2,754 5.6
B29	Hypertension with- out mention of heart	Deaths Rate Per cent	2,574 113 2.4		5 1.5 3.5	162 26 5.3	807 143 2.6	676 469 2.1	924 1,353 2.2	2,901 120 2.8		4 1.2 4.1	63 10 5.3	459 75 3.7	779 362 3.0	1,596 1,190 2.4
B46 (part)	Other circulatory diseases	Deaths Rate Per cent	9,262 406 8.5	5 0.92 7.5		160 26 5.2	1,595 282 5.1	2,423 1,679 7.7	5,060 7,410 12.0	11,762 486 11.2	8 1.5 20.0	33 10 33.7	150 25 12.7	1,071 175 8.7	2,347 1,091 9.1	8,153 6,081 12.4
	All circulatory diseases	Deaths Rate Per cent	108,513 4,752 100	67 12 100	143 43 100	3,061 491 100	31,540 5,578 100	31,509 21,839 100	42,193 61,785 100	105,106 4,344 100	40 7.7 100	98 30 100	1,182 194 100	12,264 2,003 100	25,693 11,944 100	65,829 49,097 100
B22	Vascular lesions affecting central nervous system	Deaths Rate	32,264 1,413	38 7.0	53 16	499 80	6,046 1,069	9,666 6,699	15,962 23,374	48,076 1,987	24 4.6	40 12	469 77	5,660 925	11,860 5,513	30,023 22,392
B41 (part)	Congenital mal- formations of circulatory system	Deaths Rate	1,395 61	1,089 199	83 25	87 14	91 16	28 19	17 25	1,099 45	821 158	39 12	72 12	103 17	42 20	22 16

Table C92. Diseases of the circulatory system, and vascular lesions affecting the central nervous system, death rates per million living, by sex, at age 45-64, in the standard regions, conurbations, urban and rural aggregates outside the conurbations, and hospital regions, 1963, England and Wales

MARCOLLE L'ACTURE MITTERS DU LOCUES MARCOLLE L'ACTURE MARCOLLE L'AC	All ca	uses	Vasci lesi affecti tral n sys (330-	ons ng cen- ervous tem	Chro rheum hea diseas chro endoca (410—	atic rt e and nic rditis 416,	Arterios heart d (42	1sease	Myoca degen t1 (42	era- on		ases leart	sion or wi hea dise	
ALARMAN AND A	M	F	М	F	М	F	M	F	М	F	М	F	М	F
ENGLAND AND WALES	14, 439	7,581	1,069	925	300	361	4,332	1,049	147	106	208	128	306	182
Standard regions: Northern East and West Ridings North Western North Midland Midland	16,287	8,316	1,296	1,087	297	389	5,130	1,349	134	146	252	149	260	176
	15,348	8,025	1,215	998	290	456	4,867	1,320	155	102	191	131	267	188
	16,818	8,395	1,389	1,040	341	437	5,187	1,349	181	144	305	173	336	191
	13,283	7,270	979	852	284	434	3,795	887	152	111	219	124	333	245
	14,799	7,455	1,145	922	301	357	3,998	974	201	86	201	133	372	172
Eastern	11,968	6,852	864	878	204	221	3,526	893	119	105	191	112	204	174
London and South Eastern	13,497	7,163	827	774	289	318	4,034	882	94	57	164	107	278	143
Southern	12,885	7,047	986	810	260	293	3,826	893	111	111	158	108	287	171
South Western	13,350	7,477	965	1,051	276	285	3,936	861	250	185	204	124	329	198
Wales	16,393	8,111	1,324	1,118	486	448	5,209	1,213	139	113	207	121	448	269
Conurbations: Tyneside West Yorkshire South East Lancashire Merseyside West Midlands Greater London	17,660	8,471	1,307	1,029	314	463	5,228	1,288	142	130	223	139	334	130
	16,767	8,556	1,386	1,114	282	530	5,602	1,565	150	96	221	138	244	196
	17,018	8,483	1,336	1,059	347	491	5,052	1,313	193	144	303	182	343	182
	17,817	7,851	1,328	927	368	510	5,602	1,338	112	116	316	133	230	203
	15,639	7,484	1,187	925	349	367	3,843	986	201	65	180	119	412	187
	13,783	7,130	784	740	305	344	4,127	887	70	48	161	98	271	141
Areas outside conurbations: Urban areas with populations of 100,000 and over Urban areas with populations	15,431	7,944	1,132	926	306	409	4,589	1,075	167	100	213	136	357	219
of 50,000 and under 100,000 Urban areas with populations under 50,000	14,550 14,279	7,566 7,568	1,149 1,149	1,017	235 313	337	4,361 4,446	1,088	183	127	201	134	324	190
Rural Districts	12,377	7,239	962	939	273	286	3,678	926	151	121	211	125	276	172
Hospital regions: Newcastle Leeds Sheffield East Anglia North West Metropolitan	16,456	8,331	1,294	1,094	309	387	5,156	1,360	136	145	264	161	270	175
	15,619	8,316	1,281	1,046	257	430	5,133	1,435	156	126	203	140	249	179
	13,859	7,516	1,027	895	301	465	3,973	964	163	106	210	118	326	250
	12,489	7,072	1,029	909	216	239	3,413	861	149	154	194	149	238	138
	12,800	6,593	702	671	276	271	4,002	817	63	61	143	72	249	164
North East Metropolitan	12,836	6,675	782	744	230	329	3,885	937	61	48	181	103	227	147
South East Metropolitan	13,067	7,302	882	867	273	281	3,829	899	101	68	205	135	299	139
South West Metropolitan	13,026	7,099	860	778	301	299	3,779	807	147	51	124	102	251	145
Wessex	13,940	8,057	1,018	910	235	364	4,175	1,024	142	132	162	136	348	182
Oxford	12,250	6,565	1,036	905	271	290	3,479	813	78	87	188	111	250	160
South Western	13,730	7,657	973	1,062	287	292	4,069	861	270	206	212	112	347	209
Welsh	16,393	8,111	1,324	1,118	486	448	5,209	1,213	139	113	207	121	448	269
Birmingham	14,799	7,455	1,145	922	301	357	3,998	974	201	86	201	133	372	172
Manchester	16,975	8,674	1,444	1,110	362	432	5,243	1,375	210	160	312	181	375	175
Liverpool	17,323	8,262	1,322	949	303	462	5,363	1,375	124	110	298	161	265	235

Table C93. Diseases of the circulatory system, and vascular lesions affecting the central nervous system, death rates per million living, by sex, at age 65 and over, in the standard regions, conurbations, urban and rural aggregates outside the conurbations, and hospital regions, 1963, England and Wales

*At ages under 1 year, per t	All ca	auses	Vasci lesic affectin tral ne syst (330-3	ons ng cen- ervous cem	Chro rheum hea diseas chro endocar (410- 421	atic ert e and nic ditis	Arteriosc heart di (420	sease	degen	on	Othe disea of h (430-	ases	Hypersion vi or wi headise (440-	with thout rt ase
66, and over 8,85 7.3	М	F	М	F	М	F	М	F	М	F	М	F	М	F
ENGLAND AND WALES	85,971	61,605	12,056	11,994	825	967	18,505	10,110	7,150	7,714	2,451	2,143	2,217	2,263
Standard regions: Northern East and West Ridings North Western North Midland Midland	88,044 88,232 90,890 82,609 86,319	63,603 62,519 63,925 60,075 61,030	14,265 13,205 13,582 12,633 12,734	13,765 12,365 12,631 12,211 12,182	700 665 852 788 730	703 900 1,018 674 908	19,466 19,486 19,361 15,737 17,530	11,688 11,452 10,195 8,750 9,620	7,136 6,747 7,304 8,251 7,356	7,498 6,889 7,796 8,723 8,099	2,621 2,197 2,661 2,866 2,422	2,077 2,025 2,370 2,385 2,178	2,129 2,181 1,938 2,406 2,253	2,387 2,012 2,077 2,483 2,178
Eastern London and South Eastern Southern South Western Wales	82,772 84,518 82,330 84,693 89,394	60,265 60,395 59,894 62,295 63,527	12,019 9,666 10,550 12,621 13,279	12,033 10,423 11,736 12,791 13,739	803 929 879 750 987	923 1,167 934 766 1,170	18,176 18,425 18,435 18,247 20,373	10,390 10,060 9,522 9,278 10,357	6,403 5,980 7,177 9,827 7,545	6,636 7,003 8,242 9,919 8,079	2,476 2,403 2,330 2,319 2,152	2,040 2,160 1,926 1,974 2,025	1,941 2,179 2,194 2,357 3,046	1,757 2,414 2,108 2,379 2,853
Conurbations: Tyneside West Yorkshire South East Lancashire Merseyside West Midlands Greater London	92,228 91,121 91,048 93,748 88,076 85,674	63,427 65,588 64,958 63,518 61,091 60,519	15,181 14,179 13,932 11,883 12,978 8,852	12,970 12,823 12,446 11,279 12,210 9,724	780 601 898 854 707 1,026	967 1,123 1,212 981 913 1,330	18,886 22,150 17,126 21,981 17,903 18,879	10,879 13,230 9,185 11,077 9,595 10,514	6,045 6,288 7,824 4,641 7,138 5,145	6.504	2,423 2,163 2,445 3,107 1,784 2,214	2,074 1,981 2,490 2,676 1,874 2,168	2,730 1,776 1,836 1,767 2,480 2,269	3,058 1,907 1,815 2,399 2,457 2,587
Areas outside conurbations: Urban areas with populations of 100,000 and over Urban areas with populations of 50,000 and under 100,000 Urban areas with populations	89,694 86,372	61,870 59,666	12,446	11,883	839 718	862 757	19,427	10,558	6,848 7,603		2,428 2,677 2,560	1,985 2,145	2,565 2,000 2,301	2,337 2,068 2.185
under 50,000 Rural districts	86,960 79,331	61,786 61,179	13,351 11,693	13,010 12,761	741 842	811 905	18,643 16,773	9,883 9,327	8,298 7,780	8,576 8,653	2,533	2,086 2,224	2,093	2,164
Hospital regions: Newcastle Leeds Sheffield East Anglia North West Metropolitan	86,401 90,158 81,810 93,629 70,750	62,100 68,032 58,450 68,133 49,918	14,091 13,477 12,628 13,261 8,300	13,358 13,764 11,663 13,097 8,629	656 667 734 805 878	697 989 668 956 1,172	18,920 20,989 15,578 19,727 15,496	11,383 12,895 8,545 11,097 8,755	6,692 7,025 7,709 8,936 4,381	6,862 7,564 8,162 9,027 4,964	2,496 2,466 2,538 2,838 1,957	2,065 2,180 2,235 2,398 1,834	2,146 1,978 2,434 1,637 1,941	2,391 2,034 2,436 1,566 2,085
North East Metropolitan South East Metropolitan South West Metropolitan Wessex Oxford	79,723 95,298 84,899 93,578 77,054	51,606 67,218 65,335 68,806 54,768	9,499 12,088 9,832 12,343 9,790	9,244 12,368 11,461 13,467 10,898	811 917 826 1,037 854	891 1,020 1,245 1,005 743	17,434 20,920 18,530 20,979 16,300	9,341 10,980 10,202 10,961 8,444	4,340 7,027 7,564 9,172 7,438	4,320 8,285 8,788 10,393 7,771	2,315 3,401 1,866 2,389 2,351	1,861 2,569 2,047 2,032 1,827	2,197 2,393 2,000 2,529 2,215	2,022 2,515 2,424 2,600 1,842
South Western Welsh Birmingham Manchester Liverpool	85,391 89,394 86,319 91,649 95,036	64,189 63,527 61,030 66,412 63,066	12,932 13,279 12,734 14,451 12,360	13,219 13,739 12,182 13,585 11,503	755 987 730 869 876	809 1,170 908 1,089 889	18,636 20,373 17,530 19,071 21,411	9,717 10,357 9,620 10,225 11,044	9,731 7,545 7,356 8,231 5,474	8,099	2,330 2,152 2,422 2,568 3,102	2,022 2,025 2,178 2,356 2,567	2,414 3,046 2,253 1,947 2,032	2,483 2,853 2,178 1,981 2,446

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Table C94. Congenital malformations of the circulatory system (ICD No. 754), deaths and death rates per million living, by sex and age, 1955 to 1963, England and Wales

													Control of the second					
Age	198	55	1956	3	195'	7	1958	3	1959	9	196	0	196	1	196	2	196	3
Age	М	F	М	F	М	F	М	F	М	F	М	F	М	F	М	F	М	F
								Deat	hs									
All ages	1,007	756	1,017	791	1,126	911	1,124	870	1,102	921	1,161	1,009	1,214	1,056	1.330	1,087	1,395	1,09
0-	645	430	677	506	725	553	726	528	724	584	747	612	793	635	887	687	879	68
1-	80	76	58	59	71	60	87	71	76	66	83	84	76	83	89	90	1.04	7!
5-	53	55	60	49	68	55	52	53	79	67	86	83	106	75	85	75	106	5
15-	144	115	132	102	140	115	148	117	132	105	130	115	124	131	152	102	170	11:
45~	67	58	65	53	94	95	86	79	69	68	85	79	87	85	88	86	91	103
65 and over	18	22	25	22	28	33	25	22	22	31	30	36	28	47	29	47	45	64
						De	ath rate										ı	
All ages	47.1	32.8	47.3	34.2	52.0	39.2	51.7	37.2	50.4	39.2	52.6	42.6	54.3	44.3	58.7	45.2	61.1	45.4
0-	1.88	1.33	1.88	1.49	1.95	1.58	1.91	1.47	1.88	1.61	1.85	1.61	1.90	1.61	2.05	1.69	2.00	1.65
1-	59.4	59.2	43.3	46.3	52.6	46.8	63.7	54.7	54.6	49.9	57.7	61.5	51.5	59.4	58.3	62.2	66.0	50.2
5-	15.4	16.7	17.1	14.6	19.2	16.2	14.6	15.6	22.3	19.8	24.3	24.5	29.8	22.1	24.3	22.6	30.6	17.9
15-	16.0	12.5	14.8	11.2	15.7	12.7	16.6	13.0	14.8	11.6	14.5	12.7	13.5	14.4	16.1	11.0	17.7	11.8
45-	12.8	9.81	12.2	8.88	17.4	15.8	15.7	13.0	12.4	11.1	15.1	12.8	15.4	13.8	15.5	13.9	16.1	16.8
65 and over	8.85	7.15	12.2	7.03	13.5	10.3	12.1	6.79	10.6	9.43	14.3	10.7	13.3	13.8	13.7	13.6	21.2	18.3

*At ages under 1 year, per thousand live birth occurrences.

Table C95. Bronchitis (ICD Nos. 500-502), infant mortality rates per 1,000 live births, death rates per million living at ages over one year and Standardised Mortality Ratios (1950-52 = 100), 1953 to 1963, England and Wales

							114163				
							Males				
	Infant mor- tality	1-	5=	15-	25-	35=	45-	55=	65 -	75 and over	S.M.R. (All ages)
1953	0.70	42	5•7	5.5	11	73	486	2,036	5,007	10,062	99
1954	0.58	43	7.1	5•9	11	67	425	1,780	4,347	8,583	86
1955	0.65	48	5.8	9.5	11	73	475	1,997	4,868	9,531	96
1956	0.54	58	5•4	5.5	11	57	437	2,072	5,040	9,754	98
1957	0.45	39	4.8	4.0	11	65	431	2,034	4,683	8,503	92
1958	0.54	40	7.3	9.3	10	69	434	2,044	5,181	9,506	98
1959	0.57	40	6.2	5.2	12	53	411	1,958	5,126	9,624	96
1960	0.52	44	5.6	4.7	12	58	346	1,823	4,662	9,161	89
1961	0.44	56	5•3	5.2	11	52	382	2,058	5,590	10,753	104
1962	0.57	35	6.3	5.5	13	56	409	2,121	5,753	11,383	108
1963	0.59	44	5.8	7.1	9.0	59	418	2,168	5,984	12,640	114
						Fe	males				
1953	0.55	45	5.0	5•7	13	35	98	433	1,501	5,875	91
1954	0.41	30	6.8	5•3	8.2	24	95	330	1,133	4,358	68
1955	0.41	25	3.6	4.6	11	29	94	366	1,321	4,768	76
1956	0.35	31	4.5	4.0	10	34	89	384	1,293	4,889	77
1957	0.35	34	6.5	5.0	12	30	93	330	1,104	3,547	61
1958	0.40	32	5•3	6.4	11	31	103	390	1,168	4,067	68
1959	0.47	32	3.5	4.5	8.2	30	92	359	1,161	3,883	65
1960	0.40	28	3•3	2.4	7.2	23	85	288	916	3,277	54
1961	0.34	34	5.0	4.9	8.7	31	101	344	1,192	3,836	65
1962	0.41	35	5•4	3.4	7.3	29	109	357	1,234	4,202	69
1963	0.48	38	8.2	2.7	6.6	37	126	393	1,251	4,338	72
										AND DESCRIPTION OF THE PERSON	

Table C96. Bronchitis, death rates per million living, by sex, at ages 15-44, 45-64, and 65 and over, and Standardised Mortality Ratios, in standard regions, urban and rural aggregates within regional groups, and hospital regions,

	1963	, Eng	land and	Wales			
	15		4	5-	65 and	over	S.M.R. (Persons all ages)
	М	F	М	F	M	F	
ENGLAND AND WALES	25	16	1,234	255	8,123	2,436	100
Urban and rural aggregates: Conurbations	28	16	1,455	297	9,931	3,067	120
Areas outside conurbations: Urban areas with populations of 100,000 and over	32	20	1,396	281	9,409	2,713	114
Urban areas with populations of 50,000 and under 100,000 Urban areas with populations under 50,000 Rural districts	28 23 16	15 12 15	1,257 1,151 797	232 235 188	7,491 7,271 5,875	2,107 2,028 1,731	91 88 73
NORTH OF ENGLAND	32	22	1,567	345	8,822	2,775	116
Standard regions: Northern East and West Ridings North Western	30 36 32	20 22 23	1,401 1,387 1,763	319 283 396	7,337 9,411 9,186	2,206 2,731 3,051	99 116 125
Conurbations: Tyneside West Yorkshire South East Lancashire Merseyside	34 35 36 36 29	25 34 24 27 18	1,770 1,530 1,485 2,039 1,795	392 371 275 491 377	10,225 9,749 9,840 11,088 9,437	3,285 2,953 2,942 3,780 3,038	133 124 118 149 128
Areas outside conurbations: Urban areas with populations of 100,000 and over	47	29	1,691	379	10,013	2,815	127
Urban areas with populations of 50,000 and under 100,000 Urban areas with populations under 50,000 Rural districts	33 34 12	29 9 18	1,620 1,364 1,067	358 291 222	8,170 7,580 6,039	2,357 2,376 1,825	109 101 82
WALES AND MIDLANDS	27	17	1,293	253	8,549	2,354	105
Standard regions: Wales North Midland Midland	22 27 30	15 23 13	1,274 1,087 1,463	222 230 290	8,920 7,552 9,180	2,160 2,156 2,644	105 94 115
Conurbation: West Midlands	37	12	1,687	296	10,220	2,951	128
Areas outside conurbation: Urban areas with populations of 100,000 and over	31	27	1,425	245	10,263	2,746	121
Urban areas with populations of 50,000 and under 100,000 Urban areas with populations under 50,000 Rural Districts	26 23 22	11 17 15	1,474 1,305 819	250 253 226	8,624 8,479 6,548	2,325 2,203 1,792	107 102 81
SOUTH AND EAST OF ENGLAND (excluding Greater London)	18	11	866	178	6,415	1,904	76
London and South Eastern (excluding Greater London) Southern South Western Eastern	20 19 20 15	16 5 12 11	842 983 893 772	187 166 176 180	6,382 6,748 6,019 6,598	1,792 2,143 1,775 1,969	73 82 72 77
Urban areas with populations of 100,000 and over	23	8	1,164	241	8,427	2,628	100
urban areas with populations of 50,000 and under 100,000 Urban areas with populations under 50,000 Rural districts	26 14 14	9 12 13	951 867 669	155 180 151	6,746 6,267 5,432	1,926 1,711 1,665	76 72 66
GREATER LONDON	22	11	1,163	226	9,634	2,929	109
Hospital regions: Newcastle Leeds Sheffield East Anglia North West Metropolitan	32 32 31 15 23	21 21 21 13 8	1,430 1,279 1,248 747 989	331 259 279 175 196	7,370 8,896 8,220 6,453 6,810	2,170 2,882 2,331 1,717 2,003	100 111 105 73 80
North East Metropolitan South East Metrololitan South West Metropolitan Wessex Oxford	17 22 19 25 13	14 13 14 3 15	1,005 1,051 1,001 1,126 906	215 219 189 196 140	8,991 8,534 8,389 7,587 6,139	2,598 2,605 2,549 2,418 1,718	100 99 95 93 72
South Western Welsh Birmingham Manchester Liverpool	17 22 30 33 27	13 15 13 24 20	904 1,274 1,463 1,810 1,745	177 222 290 423 348	6,024 8,920 9,180 9,250 9,574	1,840 2,160 2,644 3,298 2,662	73 105 115 127 122

Table C97. Accidents and violence, proportion of deaths attributed to violent causes per 100 deaths from all causes, by sex and age, 1901 to 1963, England and Wales

			Males					Females		
	All ages	0-	15-	35–	65 and over	All ages	0-	15-	35–	65 and over
1901-10	5.05	3.22	12.88	7.22	2.31	2.31	2.85	3.06	2.18	1.54
1911-20	5.69	3.74	15.69	7.16	2.29	2.31	2.95	2.97	2.26	1.63
1921-30	5.48	4.43	15.49	7.06	2.37	2.49	3.06	4.02	2.74	1.79
1931-35	6.05	5.60	20.29	7.37	2.55	3.04	4.11	5.54	3.31	2.25
1936-40	7.30	7.30	29.58	8.67	2.89	4.10	5.73	9.52	4.82	2.83
1941-45	9.13	10.34	46.29	9.46	2.85	4.56	8.25	12.26	5.58	2.74
1946-50	4.81	8.50	26.26	6.01	2.07	2.91	6.53	5.86	3.50	2.16
1951-55	4.70	10.02	38.58	6.07	2.09	3.09	7.47	10.34	3.89	2.39
1956	4.85	9.90	43.90	6.36	2.32	3.50	7.70	13.78	4.71	2.76
1957	4.83	9.30	43.18	6.24	2.28	3.50	7.13	13.97	4.62	2.77
1958	4.93	10.07	48.19	6.53	2.22	3.56	7.26	16.44	4.75	2.82
1959	4.99	10.02	49.98	6.22	2.33	3.64	7.38	18.41	4.96	2.84
1960	5.02	9.76	52.42	6.41	2.16	3.74	7.03	21.74	5.39	2.85
1961	4.86	10.04	51.69	6.15	2.12	3.56	6.70	23.04	5.13	2.70
1962	4.84	9.70	51.04	6.11	2.18	3.70	7.44	22.40	5.32	2.81
1963	4.81	9.87	52.67	6.10	2.07	3.76	7.54	24.47	5.53	2.83

Table C98. Accidents and violence, death rates per million living, by sex and age. 1901 to 1963. England and Wales

				age	, 190	I to	1963,	Engla	nd and	Wales		
	All ages	0-	5-	10-	15–	20-	25-	35–	45-	55-	65–	75 and over
1901-10 1911-20 1921-30 1931-40 1941-50	827 857 709 843 778	1,231 934 683 735 726	329 395 375 394 459	262 304 243 261 319	447 596 449 561 571	Males 555 902 584 773 648	677 828 536 658 582	914 894 658 716 613	1,257 1,082 917 977 7 81	1,623 1,395 1,259 1,375 1,075	1,818 1,715 1,616 1,724 1,413	2,621 2,757 2,842 3,638 2,832
1951	591	487	259	190	362	608	474	429	591	814	1,137	2,745
1952	568	473	217	167	415	643	445	436	546	796	1,092	2,450
1953	582	418	215	151	373	603	446	429	583	822	1,198	2,811
1954	593	393	168	161	369	580	426	445	583	846	1,256	3,214
1955	605	386	207	181	444	671	446	444	567	823	1,243	3,166
1956	604	392	173	151	410	608	442	428	578	874	1,259	3,320
1957	594	351	168	156	456	644	421	456	56 6	845	1,197	3,126
1958	614	361	196	163	481	636	469	483	584	854	1,130	3,268
1959	615	352	185	164	574	704	448	442	560	833	1,261	3,183
1960	612	334	210	160	576	767	460	458	593	820	1,067	3,057
1961	611	359	202	159	593	690	470	481	573	783	1,122	3,090
1962	610	360	177	173	573	668	429	471	593	776	1,156	3,237
1963	616	359	195	159	562	689	468	472	566	848	1,125	3,173
1901-10 1911-20 1921-30 1931-40 1941-50	329 300 283 412 407	1,059 767 487 537 546	226 234 182 215 231	81 98 71 108 135	103 117 117 183 169	Female 111 120 127 192 179	135 127 126 199 187	198 179 168 239 221	307 272 268 355 313	423 382 397 523 446	752 728 716 1,005 791	2,287 2,364 2,516 3,399 2,808
1951	321	350	96	45	88	87	85	126	228	327	648	2,803
1952	298	330	100	50	77	86	85	120	213	322	604	2,406
1953	329	319	94	62	73	86	88	139	232	349	670	2,727
1954	358	264	86	48	81	90	107	138	239	357	783	3,066
1955	370	300	94	59	94	85	96	143	241	377	775	3,128
1956	383	284	87	52	76	91	101	140	260	412	764	3,242
1957	374	279	83	45	79	98	103	145	258	396	762	2,991
1958	390	255	86	52	91	115	103	148	271	380	792	3,166
1959	399	259	82	67	101	130	113	156	253	416	784	3,163
1960	406	224	95	65	117	131	122	170	282	429	776	3,083
1961	405	250	73	42	145	136	129	176	277	404	802	2,999
1962	419	263	87	55	107	127	144	173	284	437	784	3,144
1963	436	271	84	52	110	133	153	200	293	444	826	3,217

Table C99. Motor vehicle accidents, death rates per million living, by sex and age, and Standardised Mortality Ratios by sex, 1931 to 1963,

England and Wales

53	All	0-	10-	15-	20-	25-	35-	45-	55-	65-	75 and over	S.M.R. / (1950-52 = 100)
10.31						Males						
1931-35	208	184	93	204	368	210	133	153	206	363	678	143
1936-40	216	159	86	176	363	209	152	171	257	411	749	146
1941-45	199	198	113	152	227	193	149	160	228	353	556	130
1946	153	144	109	161	205	139	109	102	160	241	498	99
1947	146	134	75	127	209	139	106	111	147	246	460	95
1948	126	135	63	122	173	112	79	97	142	194	400	82
1949	140	123	80	147	226	117	103	101	137	229	451	91
1950	151	104	60	177	279	164	106	102	153	242	439	98
1951	161	112	88	178	308	174	112	117	160	231	505	105
1952	149	105	73	165	301	150	123	105	144	219	403	97
1953	158	98	61	170	307	164	110	126	160	245	518	103
1954	161	77	57	194	323	165	116	127	170	259	564	105
1955	171	83	64	234	388	170	125	130	164	273	540	111
1956	174	86	61	236	344	182	121	138	185	270	587	113
1957	170	74	58	254	378	164	130	125	166	263	604	111
1958*	186	81	68	305	386	175	140	142	191	271	638	121
1959*	202	77	67	384	476	180	137	147	207	319	626	131
1960*	215	83	63	411	476	200	151	173	221	301	678	140
1961*	213	83	70	413	440	201	151	150	196	330	750	138
1962*	200	80	74	377	407	172	136	162	199	295	643	129
1963*	201	89	77	380	400	187	134	152	212	277	599	129
						Femal	es					
1931-35	68	106	34	49	50	31	29	49	95	181	267	169
1936-40	64	84	30	49	48	29	27	45	85	173	279	158
1941-45	56	106	42	42	40	29	26	37	61	107	172	128
1946	47	72	30	36	27	21	20	27	56	100	185	105
1947	47	71	26	37	23	17	22	33	54	100	177	104
1948	43	79	31	25	16	14	19	21	49	101	157	96
1949	41	65	32	32	30	10	16	22	44	95	151	91
1950	46	64	25	40	30	17	19	35	48	84	200	101
1951	49	58	22	47	37	19	23	35	54	101	198	107
1952	42	52	21	34	31	19	18	28	43	94	168	92
1953	45	56	25	36	37	16	18	33	49	87	181	97
1954	51	45	15	36	37	23	23	32	63	120	218	109
1955	55	52	26	58	45	22	26	32	57	121	235	117
1956	56	47	22	42	40	26	26	38	63	129	236	119
1957	53	42	22	42	46	24	22	37	59	117	222	111
1958*	60	43	23	50	49	29	23	43	65	144	254	126
1959*	69	48	25	60	67	32	28	48	81	146	289	143
1960*	80	46	34	78	62	36	38	61	101	173	306	165
1961*	79	55	20	92	62	42	37	54	83	182	297	162
1962*	74	47	34	70	50	31	34	55	83	163	304	152
1963*	73	47	30	59	46	36	32	53	96	165	270	149

^{*}According to the Seventh Revision of the International Classification (Nos. E810-E835). Other years according to the classification in use at the time. \neq S.M.Rs. are based on civilian deaths and civilian populations for the years 1940-1949 inclusive.

REE TO RESERVE RESERVE	1941 (ann avera	ual		6-49 nual age)	1950- (annu averag	al	1955- (anni avera	ıal	19	960	19	961	1	962	19	963
	М	F	М	F	М	F	М	F	М	F	М	F	М	F	М	F
Pedestrians:																
Motor vehicle traffic accidents Motor vehicle non-traffic	2,073	898	1,295	706	1,185	719	1,265	858	1,488	1,174	1,512	1,129	1,421	1,076	1,418	1,099
accidents Other road vehicle accidents	166	70	79	47	43 63	8 36	Section 19	6 28	36 20	6 25	50 19	23	34 15	5 24	29	6 14
Pedal cyclists:	- 3															
Motor vehicle traffic accidents Motor vehicle non-traffic	557	140	464	86	462	77	459	73	477	91	481	74	412	68	431	58
accidents Other road vehicle accidents	230	51	159	29	138	27	112	17	88	14	71	11	77	9	55	10
Motorcyclists:																
Motor vehicle traffic accidents Motor vehicle non-traffic	651	27	659	48	1,018	83	1,234	102	1,529	151	1,382	125	1,190		1,140	85
accidents				l	8	-	9	-	10	-	12	-	15	-	11	
Motor vehicle occupants and others:																
Motor vehicle traffic accidents Motor vehicle non-traffic	762	167	549	155	519	175	867	321	1, 182		1,294		1,428	542	1,533	512
accidents Other road vehicle accidents	47	11	26	6	64 27	2 11	25 11	1 8	30 6	2 7	21 8	2 12	21 7	7	27 9	10

Table CIOI. Suicide, death rates per million living, by sex and age, in standard regions, conurbations, urban and rural aggregates outside the conurbations, 1959-1963, and hospital regions 1963, England and Wales

			ales				F	emal e	s	
	All ages over 15	15-	25-	45-	65 and over	All ages over 15	15-	25-	45-	65 and
	:	1959-1	.963							
NGLAND AND WALES	186	57	130	248	370	118	25	79	172	175
Urban and rural aggregates: Conurbations	207	78	151	268	399	134	35	96	188	196
Areas outside conurbations: Urban areas with populations of										
100,000 and over Urban areas with populations of	194	56	125	254	444	127	25	83	182	202
50,000 and under 100,000 Urban areas with populations	190	56	137	250	381	136	19	89	200	205
under 50,000 Rural districts	178 151	49 36	125 100	236	339 308	109 83	20 16	61 58	162 128	175 107
Standard regions:	407	70	474	050	750	0.7	15	00	4.45	474
Northern East and West Ridings	183 196	38	134	256 265	359 386	93 118	15 26	62 72	147	131 198
North Western North Midland	208 167	68	146 116	271 222	412 363	128	23	62	182	218 184
Midland	174	52	104	246	423	110	25	69	170	177
Eastern London and South Eastern	160 204	49 79	105 156	226 256	320 372	107	27 38	61	170 199	158 184
Southern	162	46	125	214	338	109	17	86	166	131
South Western Wales	176 167	46 42	113 117	241	359 305	110 83	20	69 58	158 120	163 123
Conurbations:		00					10			
Tyneside West Yorkshire	204 212	36 90	138 140	287	439 399	115 129	13	80	181	163
South East Lancashire	230	91	168	299	423	129	17	77.	183	218
Merseyside West Midlands	163 176	36 63	124	240	296	91 123	19 35	69	126	148 208
Greater London	213	84	170	263	396	148	44	116	206	191
		1963								
Hospital regions: Newcastle	183	42	143	253	343	131	19	110	194	175
Leeds	210	111	128	270	436	132	28	101	171	211
Sheffield	178	41	125	260	337	99	10	62	137	195
East Anglia North West Metropolitan	193 214	88 89	81 212	249 268	562 262	111 149	28 76	61 149	133	248 122
North East Metropolitan	190	80 72	157	230	336	124	43	100	173	150
South East Metropolitan South West Metropolitan	189 226	94	133	245 273	367 342	149 180	29 56	117	196 236	227 247
Wessex	176	80	114	216	430	133	24	103	177	212
Oxford	132	43	100	193	235	88	-	55	130	155
South Western Welsh	179 179	64 53	105 138	244 254	372 287	135 88	36 28	102	188 98	178 166
Birmingham	181	48	102	292	386	111	31	75	169	168
Manchester	200	103	150	241	373	129	13	77	168	246
Liverpool	188	31	158	278	329	103	24	78	161	135

Table ClO2. Suicide, death rates per million living, by sex and age, and
Standardised Mortality Ratios by sex, 1901 to 1963,
England and Wales

						Engla	nd and	Wales				
	All ages	0-	10-	15-	20-	25-	35-	45-	55-	65–	75 and over	S.M.R.* (1950-52 = 100)
						Males						
1901-10 1911-20 1921-30 1931-35 1936-40 1941-45	157 130 166 196 172 126	1 - 0	4 3 2 2 2 2 3	36 32 31 40 32 43	91 69 78 96 89 72	152 122 111 140 118 100	252 196 211 210 177 128	397 278 346 379 284 185	523 389 487 542 462 271	508 405 513 533 477 347	382 350 438 483 466 382	170 138 149 163 113 93
1946 1947 1948 1949 1950	138 136 144 144 136	-	5 3 2 1 1	31 35 29 32 30	49 59 74 60 60	94 94 86 80 70	154 123 134 134 122	200 209 219 236 222	300 314 338 334 323	391 382 469 422 416	465 480 388 490 421	103 100 108 109 102
1951 1952 1953 1954 1955	135 132 142 149 143	-	6 1 1 3 4	24 34 28 26 26	53 55 67 59 54	78 78 89 93 97	120 120 126 145 130	213 198 222 235 213	303 320 325 340 322	410 389 411 430 422	477 413 480 439 463	100 98 106 110 105
1956 1957 1958 1959 1960	149 146 146 142 139	-	2 2 2 2 2 2	25 27 28 29 30	65 60 64 54 86	94 94 104 105 115	130 135 147 135 139	221 217 219 206 200	350 344 329 316 308	426 404 366 417 329	490 475 457 406 384	109 107 106 104 101
1961 1962 1963	135 144 145	-	1 3 2	33 35 33	71 102 115	107 109 123	146 162 156	205 216 204	282 280 314	333 356 339	389 444 387	99 105 106
						Females						
1901–10 1911–20 1921–30 1931–35 1936–40 1941–45	49 47 63 80 79 62	-	3 2 1 0 1 1	34 30 25 23 14 9	45 41 43 49 38 22	56 50 57 77 65 52	81 74 87 108 99 77	109 100 135 154 155 108	108 102 143 166 169 128	88 81 108 134 142 117	49 52 63 84 89 73	103 92 110 129 122 91
1946 1947 1948 1949 1950	74 76 78 75 70	-	1 - 1 1	15 10 11 15 10	26 28 20 26 23	53 51 50 45 34	87 80 80 77 75	135 134 141 127 124	157 160 183 165 157	146 166 173 165 153	92 114 98 138 115	108 110 113 109 101
1951 1952 1953 1954 1955	72 68 76 81 84	-	1 3 - 1	9 11 10 12 7	20 12 22 23 19	38 35 39 52 45	66 66 79 77 75	135 118 127 135 148	160 154 167 167 190	167 164 171 198 201	105 97 127 130 126	103 97 108 115 119
1956 1957 1958 1959 1960	90 92 91 89 87		1 1 - 1 2	11 12 13 14 15	27 30 33 33 33 38	49 47 50 50 56	71 80 83 88 86	156 145 151 140 147	203 214 190 200 180	217 230 208 195 186	141 136 162 137 119	126 129 127 124 121
1961 1962 1963	91 97 99		1 2 1	14 12 18	32 36 47	55 73 80	93 90 110	157 153 157	195 211 191	192 207 198	130 151 175	127 135 140

^{*} S.M.Rs. are based on civilian deaths and civilian populations for the years 1940-1949 inclusive.

Table C103. Suicide, proportions per 1,000 suicides according to external agent, by sex and age, 1959-63, England and Wales

		N	Males				ı	Females	5	
	All ages 15 and over	15-	35-	55-	75 and over	All ages 15 and over	15-	35-	55-	75 and Over
Domestic gas poisoning	438	472	418	433	489	487	515	449	503	535
Other poisoning	200	202	254	171	108	328	305	363	315	281
Hanging or strangulation	141	117	133	153	159	57	41	59	58	63
Drowning	73	41	59	93	102	80	56	74	'89	85
Firearms or explosives	57	75	48	57	55	4	12	5	1	1
Cutting and piercing instruments	29	11	24	37	48	8	5	10	8	6
Jumping from high place	20	21	17	22	18	17	18	16	16	26
Other agents	42	61	47	34	21	19	48	24	10	3
Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total number of suicides	15,751	2,549	5,536	6,289	1,377	11,040	1, 297	3,936	4,883	924

Table C104. Accidents in the home and residential institutions, deaths and death rates per million living, by sex and age, 1963, England and Wales

		in the home and residential (institutions (E870-E936)		in the home and residential (illuminating) institutions gas			ns and Alds E917)	from 1 and fr lev and	stairs, adders, com one rel to other -E902)	same	ll on level 903)	fa	ecified alls E904)	Other accidents in the home and residential institutions (rem. E870- E936)	
				Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
	Deaths														
	All ages	2,978	5,046	496	740	310	595	511	647	629	1,795	158	483	874	786
	0-4	447	333	7	4	62	68	37	27	5	4	1	3	335	227
	5-14	51	48	4	2	13	29	9	. 3	1	1	-	-	24	13
	15-44	354	237	77	43	30	41	52	15	8	2	4	2	183	134
155	45–64	533	505	118	100	55	68	101	60	57	50	16	18	186	209
ÓI	65-74	457	801	103	170	41	125	102	118	91	219	34	80	86	89
75	and over	1,136	3,122	187	421	109	264	210	424	467	1,519	103	380	60	114
							Re	ites							
	All ages	130	209	22	31	14	25	22	27	28	74	6.9	20	38	32
	0-4	223	175	3.5	2.1	31	36	18	14	2.5	2.1	0.5	1.6	167	120
	5-14	15	15	1.2	0.6	3.8	8.8	2.6	0.9	0.3	0.3	-	-	6.9	4.0
	15-44	37	25	8.0	4.6	3.1	4.4	5.4	1.6	0.8	0.2	0.4	0.2	19	14
	45-64	94	82	21	16	9.7	11	18	10	10	8.2	2.8	2.9	33	34
	65-74	317	372	71	79	28	58	71	55	63	102	24	37	60	41
75	and over	1,663	2,328	274	314	160	197	308	316	684	1,433	151	283	88	85

Table C105. Accidents in the home and residential institutions, deaths by month of occurrence, 1952-57, 1958-62 (annual averages), and 1963, England and Wales

TOD	Downs of don't							PERSO	NS .					
ICD No.	Cause of death		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
E870-E888	Poisoning	1952-57 1958-62 1963	17 31 46	16 25 46	18 28 50	17 32 36	16 24 42	14 26 39	15 22 39	16 23 28	14 23 38	19 27 40	14 27 48	15 29 42
E890-E895	Gas poisoning	1952-57 1958-62 1963	88 157 311	94 99 202	66 107 126	50 71 82	38 53 63	31 44 47	28 37 54	27 43 33	33 47 59	49 62 78	74 103 95	77 162 163
E900	Fall on stairs	1952-57 1958-62 1963	93 105 91	79 80 73	75 72 77	60 58 57	57 50 60	48 53 48	53 54 57	58 51 50	57 54 64	66 59 49	75 67 48	94 97 84
E901	Fall from ladders	1952-57 1958-62 1963	3 4 6	2 3 6	4 2 4	3 4 3	4 3 3	4 4 7	4 2 2	3 4 1	5 5 3	4 4 2	3 4 2	3 2 4
E902	Other falls from one level to another	1952-57 1958-62 1963	39 37 38	34 33 37	35 33 37	33 37 26	33 30 36	30 28 29	33 28 25	27 29 26	28 30 26	32 28 18	28 29 35	30 34 30
E903	Fall on same level	1952 - 57 1958-62 1963	115 190 322	118 185 281	112 199 286	88 150 200	88 146 211	89 134 141	85 143 176	90 129 166	90 135 138	98 147 146	96 156 157	108 193 209
E904	Unspecified falls	1952 - 57 1958 - 62 1963	155 134 77	142 109 83	154 108 61	124 88 44	118 96 41	100 85 28	102 70 42	91 73 47	102 68 39	112 75 55	117 81 54	143 108 75
E914	Accident caused by electric current	1952-57 1958-62 1963	4 5 12	2 5 6	4 4 7	3 3 7	2 4 2	3 5 -	3 4 8	5 4 3	4 4 3	4 3 6	5 3 10	4 6 4
E916	Accident caused by fire and explosion of combustible material	1952-57 1958-62 1963	83 99 1 66	92 82 135	66 82 118	51 54 56	30 39 50	29 32 27	24 22 34	20 18 29	21 21 22	37 30 32	47 53 41	71 88 122
E917	Accident caused by hot substance, corrosive liquid, and steam	1952-57 1958-62 1963	12 14 12	11 9 10	11 10 10	10 6 4	8 7 5	9 6 6	6 4 10	5 5 4	5 5 3	8 6 3	10 8 6	8 10 9
E921	Inhalation and ingestion of food causing obstruction or suffocation	1952-57 1958-62 1963	38 33 49	32 33 30	39 37 43	31 33 27	25 29 33	20 23 24	21 21 30	16 22 27	22 27 28	29 29 37	26 33 37	36 42 42
E924	Accidental mechanical suffocation in bed and cradle	1952 - 57 1958-62 1963	23 15 16	18 15 10	19 14 18	16 11 10	17 12 11	16 10 12	14 9 10	15 10 11	13 9 13	16 10 11	18 14 14	20 16 18
								4						
E929	Drowning and submersion	1952-57 1958-62 1963	3 5 2	3 4 -	5 6 5	6 5 6	6 6 8	9 7 6	5 5 1	6 6 5	6 5 5	5 4 1	7	4 4 7
Rem.E870- E936	- All other accidents	1952-57 1958-62 1963	28 21 72	43 26 55	22 23 29	22 24 23	20 22 26	18 26 24	17 22 28	19 21 24	16 21 24	14 21 35	20	14 26 43
E870-E936	All accidents in the home and residential institutions	1952-57 1958-62 1963	700 850 1,220	687 706 974	629 727 871	515 575 581	462 520 591	420 484 438	409 443 516	398 437 454	416 455 465	495 505 513	603	817

Table C106. Accidents in the home and residential institutions, deaths by cause and sex at age 65 and over, 1963, England and Wales

ICD No.	Cause of death		Home	1 0.5 0 1 0.5 0 1 0.5 0		Residential institutions				
		Male	Female	Persons	Male	Female	Persons			
E870-E888	Accidental poisoning by solid and liquid substances	45	64	109	1	_				
E871	Accidental poisoning by barbituric acid and derivatives	29	55	84	1	_	1			
E883	Accidental poisoning by corrosive aromatics, acids, and caustic alkalis	3	-	3	-	_				
Rem. E870- E888	Accidental poisoning by other solid and liquid substances	13	9	22	-	_	-			
E890-E895	Accidental poisoning by gases and vapours	300	604	904	-	1	1			
E890	Accidental poisoning by utility (illuminating) gas	290	590	880	-	1	1			
Rem. E890- E895	Accidental poisoning by other gases and vapours	10	14	24	-	-	-			
E900-E904	Accidental falls	776	2,132	2,908	231	608	839			
E900	Fall on stairs	196	360	556	8	29	37			
E901	Fall from ladders	16	4	20	-	1	1			
E902	Other falls from one level to another	60	91	151	32	57	89			
E903	Fall on same level	394	1,280	1,674	164	458	622			
E904	Unspecified falls	110	397	507	27	63	90			
E910-E936	Other accidents	208	477	685	32	37	69			
E916	Accident caused by fire and explosion of combustible material	126	354	480	12	1	13			
E917	Accident caused by hot substance, corrosive liquid, and steam	8	27	35	4	7	11			
E921	Inhalation and ingestion of food causing obstruction or suffocation	10	14	24	10	15	25			
E929	Accidental drowning and submersion	3	11	14	-	2	2			
Rem. E910- E936	Remainder of other accidents	61	71	132	6	12	18			
E870-E936	All accidents in the home and residential institutions	1,329	3,277	4,606	264	646	910			

Table C107. Accidents in the home and residential institutions, deaths by cause, sex, and age, 1963, England and Wales

ICD No.	Cause of death		All	0-	5-	15-	45-	65-	75 and
-	Accidental poisoning by solid and	ſv	ages	0.4					over
E870-E888	liquid substances	{ M F	222 261	21 7	2 -	59 78	94	33 39	25
E871	Accidental poisoning by barbituric acid and derivatives	{M F	156 210	1 -	2 -	60	79 95	25 31	5 24
E872	Accidental poisoning by aspirin and salicylates	${M \atop F}$	16 18	5 1	-	3 5	5 9	1 2	2 1
E890-E895	Accidental poisoning by gases and vapours	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	550 779	9 4	4 5	97 51	140 114	107 176	193 429
E900	Fall on stairs	{M F	307 450	9 11	4 2	31 5	59 43	67 86	137 303
E901	Fall from ladders	{ M F	31 9			6 -	9 4	7 3	9 2
E902	Other falls from one level to another	{ M F	173 188	28 16	5 1	15 10	33 13	28 29	64 119
E903	Fall on same level	{ M F	629 1,795	5 4	1 1	8 2	57 50	91 219	467 1,519
E904	Unspecified falls	{ M F	158 483	1 3	-	4 2	16 18	34 80	103 380
E914	Accident caused by electric current	{ M F	40 32	6 2	2 2	22 8	4 12	3 5	3 3
E916	Accident caused by fire and explosion of combustible material	{ M F	275 547	50 57	11 28	29 40	47 67	39 119	99 236
	Burns by clothing	{ M F	58 311	3 25	5 24	3 20	11 39	8 68	28 135
	from domestic fire (open)	{ M F	13 95	1 11	3 8	1 10	1 12	21	7 33
	gas fire, stove, etc.	{ M F	2 33	- 1	2	- 1	7	1 8	1 14
	electric fire	{ M F	4 85	3	- 4	1	6	23	4 48
	other specified	{ M F	28 45	1 8	- 4	2 3	8 7	5 4	12
	not specified	{ M F	11 53	1 2	2 6	5	2 7	2 12	4 21
	Burns by falling into fire	{ M F	41 57	1 -		2 2	6 3	7	25 41
	Burns by conflagration	{ M F	81 90	30 22	4 4	11 10	11 8	11 19	14 27
	Burns by other specified means	{ M F	78 76	12 10	2	12	19 12	7 19	26 28
	Burns by means not specified	{ M F	17 13	4 -	-	1 1	1 5	5 2	7 5
E917	Accident caused by hot substance, corrosive liquid, and steam	{ M F	35 48	12 11	2 1	1	8	3 6	9 28
E921	Inhalation and ingestion of food causing obstruction or suffocation	{ M F	214 199	140 112	2 3	28 20	24 35	14 13	6 16
E924	Accidental mechanical suffocation in bed and cradle	{ M F	94 54	91 50	1 -	1 4	1 1	1 -	=
E929	Accidental drowning and submersion	{ M F	19 34	9 5	-	3	4 13	3 8	- 5
Rem.E870→ E936	Other accidents	{ M F	231 167	66 51	17 5	50 13	38 23	27 18	33 57
E870-E936	All accidents in the home and residential institutions	{ M F	2,978 5,046	447 333	51 48	354 237	533 505	457 801	1,136 3,122

Table C108. Accidental falls, death rates per million living, by sex and age, and Standardised Mortality Ratios by sex, 1901 to 1963, England and Wales

		Mor	tailty	Ratios	by sex,	1901	.0 1963,	Englan	a and w	ales		
1000 - 1000 1000 - 1000	All	0-	10-	15-	20-	25-	35-	45-	55-	65-	75 and over	S.M.R.* (1950-52 = 100)
							Males					
1901-10 1911-20 1921-30 1931-35 1936-40 1941-45	84 107 85 93 120 109	45 38 25 25 25 31 35	25 30 18 18 24 26	23 39 31 31 34 40	24 36 31 33 40 30	39 56 37 37 51 41	69 93 56 47 58 58	119 155 93 79 95 87	209 254 161 146 177 157	420 454 352 338 414 337	1,253 1,373 1,306 1,609 1,910 1,448	169 213 146 146 178 156
1946 1947 1948 1949	86 97 80 78	27 31 27 20	21 26 22 18	25 33 22 28	26 42 27 31	30 36 37 33	43 50 41 38	57 68 49 57	107 108 85 68	245 254 211 185	1,203 1,352 1,122 1,162	115 126 104 100
1950 1951 1952 1953	74 86 79 84	14 17 16 14	18 17 17 10	19 17 23 22	25 34 30 29	29 35 30 30	34 40 30 33	50 51 47 52	71 85 78 80	183 241 221 246	1,139 1,275 1,169 1,254	93 108 99 104
1954 1955 1956 1957	99 94 99 92	11 14 9 15	9 16 15 13	20 13 16 20	23 25 31 21	27 28 25 23	39 38 34 29	52 44 45 47	86 85 77 78	280 248 281 262	1,659 1,574 1,698 1,491	122 115 120 111
1958 1959 1960 1961	92 96 86 85	14 15 12 17	10 11 17 10	15 17 22 15	27 21 23 22	28 27 22 22	32 34 29 31	41 46 48 44	82 87 78 78	232 259 207 217	1,561 1,588 1,417 1,382	112 116 104 103
1962 1963	89 91	14 18	19 16	23 18	33 23	21 26	28 33	45 45	78 92	219 228	1,492 1,495	108
						36127	Females					
1901-10 1911-20 1921-30 1931-35 1936-40 1941-45	68 69 73 100 136 118	27 20 13 14 18 17	6 6 4 5 6 8	4 5 4 3 4 5	4 5 4 3 5 6	10 8 5 6 6	26 20 10 8 12 11	64 50 31 30 34 26	132 108 85 92 123 81	389 356 318 388 476 346	1,657 1,752 1,845 2,283 2,714 2,135	143 132 117 138 167 127
1946 1947 1948 1949	110 111 100 105	15 11 11 10	4746	39 4 3	5 4 4 2	6 4 3 2	6 5 4 4	11 15 18 13	59 58 51 50	260 286 231 232	2,037 1,947 1,726 1,840	110 108 94 98
1950 1951 1952 1953	113 117 105 123	8 9 9 7	2 - 2 4	2 2 2 2	1 5 5 2	3324	5355	14 12 11 15	45 46 44 50	230 240 218 241	1,994 2,034 1,743 2,018	103 105 92 106
1954 1955 1956 1957	141 144 149 142	6 8 8 9	3332	3 2 2 1	1 - 4 2	3222	56 55	13 15 13 14	45 50 50 40	295 281 275 250	2,249 2,261 2,338 2,178	118 118 120 111
1958 1959 1960 1961	149 151 150 146	6 12 8 9	2 3 2 1	- 1 3 1	31 33	1 4 2 3	5567	12 12 14 13	41 46 46 46	273 259 256 255	2,247 2,234 2,190 2,083	115 115 113 108
1962 1963	145 149	12 12	2 1	1 3	1 2	1 3	4 4	15 14	47 46	233 250	2,075 2,102	107

*S.M.R.s are based on civilian deaths and civilian populations for the years 1940-1949 inclusive.

Table CIO9. Accidental deaths, deaths, infant mortality rates per 1,000 live births, and death rates per million living at all ages and ages over one year, by sex and age, 1963, England and Wales

		Rate per						Dea	ths				
Cause of death (and ICD No.)		million living (All ages)	All ages	0-	1-	5-	10-14	Total under 15	15-	25-	45-	65 and over	Total aged 15 and over
Home accidents*- Coal gas poisoning (E890)	{ M F	22 31	496 740	2 -	5 4	2 1	2	11 6	30 9	47 34	118 100	290 591	485 734
Other poisoning (E870-E888, E891-E895)	{M F	12 12	276 300	2 1	21 6	- 1	2 2	25 10	10 14	69 72	116 126	56 78	251 290
Falls (E900-E904)	{M F	57 121	1,298 2,925	14 11	29 23	6 4	4 -	53 38	13 4	51 15		1,007 2,740	1,245 2,887
Burns and scalds (E916, E917)	${M \atop F}$	14 25	310 595	17 10	45 58	11 27	2 2	75 97	10 9	20 32	55 68	150 389	235 498
moking and suffocation	{M F	15 11	353 278	222 155	30 25	4	3 2	259 183	14 7	27 19	28 39	25 30	94 95
Other (Remainder of E870—E936)	{M F	11 9	245 208	35 29	25 11	3 3	12 4	75 47	33 8	30 14	42 44	65 95	170 161
Total home accidents (E870-E936)	{M F	130 209	2,978 5,046	292 206	155 127	26 37	25 11	498 381	110 51	244 186	533 505	1,593 3,923	2,480 4,665
Transport accidents: Motor vehicle road accidents involving injury to:-	7.2.1												
Motor cyclist / (E814, E815, E821)	${M \atop F}$	50 4	1,140 85	-	2	-	3 1	5 2	715 44	244 22	152 16	24	1,135
Pedal cyclist (E813)	{M F	19 2	431 58	-	9 2	25 1	73 6	107	57 10	48 12	128 23	91 4	324 49
Pedestrian (E812)	${M \atop F}$	62 45	1,418 1,099	1 2	114 71	141 64	48 32	304 169	95 28	127 45	326 246	566 611	1,114
Occupant of motor vehicle (Remainder of E810-E825)	${M \atop F}$	67 21	1,533 512	5 3	14 11	18 6	9 11	46 31	421 93	550 126	392 165	124 97	1,487
Other road accidents involving injury to:-													
Pedal cyclist (E843)	{M F	20	55 10	-	-	2 1	9	11 1	4 -	7 -	21 9	12	44 9
Pedestrian (E840-E842, E844)	${M \atop F}$	0 1	10 14	-	-	-	-	-	-	-	1 3	9	10 14
All other transport accidents:													
including rail, air, water (Remainder of E800—E866)	{M F	22 2	491 50	1 2	6 3	11 5	20 2	38	97	161	163 17	32 7	453 38
Total transport accidents (E800-E866)	{M F	222 76	5,078 1,828	7 7	145 88	197 77	162 52	511 224	1,389 184	1,137	1,183		4,567 1,604
Other accidents: Poisonings (E870-E895)	{M F	7 4	156 104		2 -	-	- 2	2 2	15 9	41 26	70 37		154 102
Falls (E900-E904)	$\left\{ _{F}^{M}\right.$	34 28	775 688	3 3			24 2	41 7	55 5	133 7	203 52		734 681
Burns (E916, E917)	${M \atop F}$	3 1	64 17	-	1 1		4 1	7 2	8 2	22 3	19		57 15
Drowning (E929)	${M \atop F}$	22 6	509 140	1 1	39 12	76 15	33 6	149 34	84	98 15	111 47		360 106
Other (Remainder of E870—E936)	${M \choose F}$	41 6	929 1 50	26 30	16 6		21 5	82 46	150 5	309 13	311		847 104
Total other accidents (E870-E936)	{M F	107 45	2,433 1,099	30 34		108		281 91	312 31	603 64	714 161		2,152 1,008
Total all accidents (E800-E936)	{M F	459 330	10,489 7,973	329 247	361 236	331 134	269 79	1,290 696	1,811 266			2,974 5,406	9,199 7,277
All accidents (E800-E936) Infant mortality rate and death rate per million living *Including deaths in residential	{M F	459 330		0.75		192 82		236 134	539 81	318 75		1,399 1,548	530 383

*Including deaths in residential institutions.

+Including passengers.

THE COLD WINTER OF 1963

Effect on mortality

In 1963 the number of deaths occurring in England and Wales exceeded the average for the three previous years by 26,500. If deaths occurring in the first quarters of these years only are considered the excess at 30,800 was even greater, showing the marked effect on mortality of the unusually cold early months of 1963. The following figures are the number of deaths in separate age-groups occurring in the first quarter of 1963, as compared with the average of the corresponding periods in 1960, 1961 and 1962:

		Total deaths - 1st quarter								
Age-group	Male	S	Females							
3 3 44	Average 1960-62	1963	Average 1960-62	1963						
0-4 weeks	1,902	1,882	1,347	1,378						
4 weeks - 1 year	926	1,176	747	883						
1-4 years	412	463	324	391						
5-34 years	1,906	1,843	1,180	1,149						
35-44 years	1,991	2,228	1,515	1,570						
45-54 years	6,394	6,736	3,998	4,121						
55-64 years	15,997	18,771	8,918	9,933						
65-74 years	23,556	27,345	19,175	22,171						
75 and over	31,341	39,018	44,784	56,176						
Total	84,425	99,462	81,988	97,772						

There was little change in the figures for infants under 4 weeks in spite of more babies being born in the first three months of 1963 than in the same period of any of the previous three years. However, in the case of infants aged 4 weeks - 1 year, even when allowance is made for a larger population at risk, the death rate in the first quarter of the year was 14 per cent higher in 1963. That for children aged 1-4 years was 9 per cent higher. No change was apparent in older children and young adults. Above the age of 35 years the effect of the cold spell again became discernible and was more marked at older ages, so that the increase in deaths of persons of over 75 years formed three fifths of the total excess of 30,800 deaths in the early months of 1963.

For deaths registered in the period 16th December 1962 to 9th March 1963, the rates per million population, adjusted by the area comparability factor, for the Administrative County of Cambridgeshire and twenty towns spread throughout England and Wales, were analysed in relation to temperature:

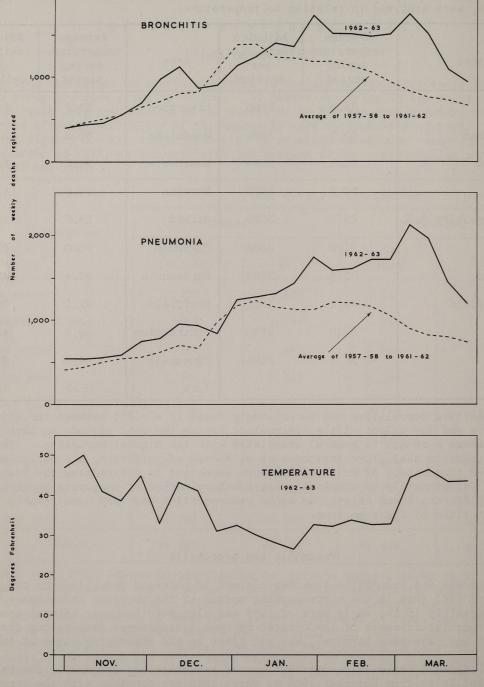
alla					
Area	Average temperature during period	Adjusted death rate per million	Area	Average temperature during period	Adjusted death rate per million
Bedford	28.9	2780	Liverpool	33.0	6005
Birmingham	30.3	3795	Maidstone	30.2	3172
Bradford	30.1	3269	Manchester	31.7	5349
Bristol	30.2	2603	Norwich	29.9	4285
Cambridgeshire A.C.	29.7	3030	Oxford	29.2	4008
Cardiff	31.0	2832	Plymouth	35.0	5142
Hastings	32.0	3766	Portsmouth	32.4	4316
Huddersfield	29.6	1765	Sheffield	31.1	2625
Hull	32.0	2770	Southampton	32.2	4383
London	32.4	5104	Tynemouth	34.3	4907
			York	31.2	4800

A positive correlation was surprisingly found (r = +.65) between the adjusted death rate and the height of the temperature during the cold period, so that the coldest areas were not in general associated with the highest mortality. This finding suggests that other factors such as spread of infection, air pollution or some other concomitant of cold weather were important in determining the death rates. Unfortunately no completely satisfactory method of comparing smoke pollution in different towns exists, as smoke concentration may vary considerably in different sites of the same town.

Pneumonia and bronchitis

Pneumonia and bronchitis together claimed 10 thousand more lives in the first quarter of 1963 than in the corresponding months of the previous three years. A higher mortality in the early part of 1963 was also attributed to several conditions such as vascular diseases of the central nervous system where respiratory disease, though it may have been terminal, was not given as the underlying cause of death.

In Diagram 5 the weekly notifications of pneumonia and bronchitis deaths in England and Wales from November 1962 to March 1963 are compared with the averages for the corresponding weeks in the five preceding years. The mean weekly temperatures from November 1962 to March 1963 are also shown. The death rate due to these



Weekly registrations of deaths from bronchitis and pneumonia and mean weekly air temperatures, England and Wales

two causes was not only unusually high in the winter of 1962-63 but it remained high in March 1963 although the temperature rose early in that month. Spread by infection may have become the important factor at that stage.

Arteriosclerotic heart disease

There were 6,600 more deaths registered in the first quarter of 1963 than the average for the corresponding periods in 1960-62.

Comparison of the number of deaths due to arteriosclerotic heart disease with those due to respiratory disease in the different age-groups for the two periods are shown in Table CllO. The proportionate increase in deaths due to respiratory disease in the early cold months of 1963 was 14 per cent in males aged 35-44 years and 47 per cent in those over 75 years; in the case of arteriosclerotic heart disease there was less variation with age, the corresponding figures being 20 per cent and 28 per cent. The same contrast was not shown in the figures for females, but this may have been partly due to random fluctuation in the small numbers of female deaths from arteriosclerotic heart disease in younger age-groups.

Table CIIO. Deaths from arteriosclerotic heart disease (ICD No. 420) and influenza, pneumonia and bronchitis (ICD Nos. 480-483, 490-493, 500-502) by sex and certain age-groups in the March Quarter, average 1960-1962, and 1963. England and Wales

		erage 1900	7-1902, and 1	903, Englan	id allo wale	8		
		terioscler eart dise		Influenza, pneumonia and bronchitis				
Age-group	Average 1960-62	1963	Per cent increase in 1963	Average 1960-62	1963	Per cent increase in 1963		
			Males	13 B T T		Witness Company		
All ages	16,685	20,547	23	16,047	21,590	35		
35-44	406	487	20	173	198	14		
45-54	1,715	1,990	16	827	986	19		
55-64	4,159	5,207	25	3,064	4,015	31		
65-74	5,481	6,587	20	4,966	6,380	28		
75 and over	4,867	6,218	28	6,276	9,203	47		
			Females					
All ages	10,795	13,577	26	11,945	16,413	37		
35-44	53	70	32	121	153	26		
45-54	305	326	7	340	430	26		
55-64	1,364	1,624	19	989	1,303	32		
65-74	3,555	4,258	20	2,676	3,397	27		
75 and over	5,511	7,289	32	7,246	10,436	44		

Hypothermia

In the first quarter of 1963 there were 438 cases where hypothermia was shown on the death certificate to be a direct or contributory cause of the patient's death. In elderly patients, this condition was frequently associated with other pathological processes and it is possible that there were many other cases where hypothermia, though not mentioned in the death certificate, existed with other direct or contributory causes of death which were mentioned. Table Clll(A) confirms the expected higher incidence at the extremes of life, and shows that the incidence per 1,000 deaths is greater in older females than males. The greatest number of cases occurred at the end of January and early February, Table Clll(B). The geographical distribution of hypothermia does not necessarily coincide with that of winter respiratory disease, which is affected by other factors such as air pollution. The Southern and Eastern regions had markedly higher rates than other regions.

Table CIII. Deaths with mention of hypothermia, which occurred and were registered in the March Quarter, 1963, England and Wales

(A) Deaths by sex and age and proportions per 1,000 total deaths

bas (626 -68	All ages	Under 1 year	1-	10-	20-	30-	40-	50-	60-	70-	80 and over
Hypothermia $\left\{ egin{array}{ll} \mathtt{M} \\ \mathtt{F} \end{array} \right.$	168 270	35 20	-		1 -	-	3 2	9 14	20 27	39 94	61 113
Proportions $\left\{ egin{matrix} \mathtt{M} \\ \mathtt{F} \end{array} \right.$	1.74	11.97 9.28	-	_	1.61	-	0.83	0.77	0.87	1.33	2.64

(B) Deaths by week of occurrence and proportions per 1,000 total deaths registered

Sangari S		Qtr.		Janı	lary			Febi	ruary			27/5	March	1	
		9,01	5th	12th	19th	26th	2nd	9th	16th	23rd	2nd	9th	16th	23rd	30th
	М	168	7	8	19	34	29	17	19	14	8	4	5	2	2
Hypothermia	F	270	7	15	27	53	46	50	18	19	11	14	4	4	2
	P	438	14	23	46	87	75	67	37	33	19	18	9	6	4
Proportions	P	2.28	0.97	1.56	2.99	5.38	4.34	4.16	2.33	2.10	1.21	1.03	0.57	0.44	0.32

(C) Deaths by regions and proportion per 1,000 total deaths

Region	Нурс	thermia	Proportions		
veglou	Males	Females	Males	Females	
England and Wales	168	270	1.74	2.84	
Northern	8	4	1.19	0.65	
East and West Ridings	16	29	1.82	3.51	
North Western	11	21	0.73	1.44	
North Midland	16	8	2.22	1.21	
Midland	17	21	1.85	2.50	
Eastern	30	37	3.87	4.91	
London and South Eastern (inc. London A.C.)	31	93	1.26	3.55	
London A.C.	11	33	2.	72	
Southern	21	37	3.37	6.00	
South Western	12	13	1.51	1.57	
Wales	6	7	0.99	1.36	
Wales I	4	4	0.92	1.12	
Wales II	2	3	1.17	1.89	

Accidental deaths

Deaths from accidents caused by fire and explosion of combustible material (including burns by clothing, domestic gas, electric fire and conflagration) showed a marked increase from 809 in 1962 - at that time the highest in recent years - to 883 in 1963. The greater part of the increase was due to deaths from this cause in those over 65 years, the numbers for this age-group having risen from 435 in 1962 to 502 in 1963, while figures for children under 10 years of age increased from 117 to 146. The cold winter of 1963 was undoubtedly an important factor and Table C112 shows the trend in deaths from this cause in the early months of 1961, 1962 and 1963.

There was an equally significant increase in male and female deaths due to accidental poisoning by utility gas in 1963, affecting in the main both sexes of over 65 years. As there was a decrease in deaths due to suicide by gases in domestic use in 1963, and as it is frequently difficult to ascertain whether poisoning by gas is accidental or suicidal, the corresponding figures for suicide by gases in domestic use are also given in the table. The trends in the figures for deaths in the first quarter of the year indicate that the increase in accidental deaths due to utility gas in 1963 was probably not due to the inclusion of cases that would previously have been described as suicidal.

Table CII2. Deaths from certain accidental and violent causes, 1961 to 1963

Period		Accident caused by fire and explosion of combustible material	Accidental poisoning by utility (illuminating) gas	Suicide by gases in domestic use
		ICD No. E916	ICD No. E890	ICD No. E972
1961				
	Year	679	925	2,379
	January-March	300	374	612
1962				
	Year	809	1,146	2,469
	January-March	322	466	655
1963				
	Year	883	1,278	2,368
	January-March	463	636	642

In 1963 there were 827 registrations of deaths due to accidental falls on stairs and 2,841 due to falls on the same level. Over 87 per cent of deaths due to both causes occurred in the home or a residential institution, the great majority of these again being of persons over the age of 65 years (91 per cent). Compared with 1962 or 1961, the figures show a slight decrease in the number of deaths due to falls on stairs, and though there was an increase for those due to falls on the same level it was by no means out of keeping with the general trend in recent years. There

were, however, many more deaths due to both causes in the cold first quarter of 1963 than in any other quarter, and it is open to question whether the large excess could be accounted for simply by more of these injuries in elderly people having been followed by fatal pneumonia, or whether there was an actual increase in these accidents. The quarterly incidence in 1963 was:

		JanMarch	April-June	July-Sept.	OctDec.
Fall on stairs	{M	113	87	67	77
	F	153	105	110	115
Fall on same level	{M	316	198	163	173
	F	739	448	407	397

The Standardised Mortality Ratios for the standard regions in England and Wales in 1963 for falls on the stairs and on the same level are given in Table Cll3. The higher mortality rate due to these causes in the northern regions is evident.

Table CII3. Accidental falls, Standardised

Mortality Ratios in standard regions, 1963,

England and Wales

Region	Falls	on stairs	Falls on same level		
1081011	Males	Females	Males	Females	
Northern	171	96	169	154	
East and West Ridings	126	192	140	159	
North Western	140	124	145	124	
North Midland	124	120	104	112	
Midland	102	135	130	128	
Eastern	48	94	82	93	
London and South Eastern	79	65	63	62	
Southern	94	78	87	81	
South Western	65	63	62	75	
Wales I	70	80	74	97	
Wales II	62	77	48	94	

THYROTOXICOSIS AND MYXOEDEMA

The death rate for thyrotoxicosis with or without goitre (ICD No. 252) has decreased considerably in the last 15 years in both males and females (Table C114). On the other hand the death rate due to myxoedema and cretinism is increasing (Table C115). It is evident, however, from examination of the separate sex-age groups (Table C115) that there has been no upward trend in mortality of females aged 45-64 years from myxoedema. The increase in death rate during the 15 years covered by the table is found in those females over 65 years of age, the change being more marked in the oldest age-groups. Mortality due to this cause in males is less than one sixth of that in females and numbers are small, but roughly the same trends are shown by males as described for females.

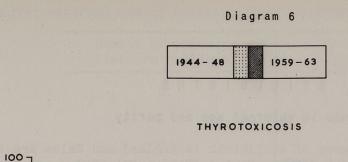
It is known that a not inconsiderable proportion of cases of thyrotoxicosis treated by radio-active iodine develop myxoedema, and that this complication may appear many years after radio-active iodine therapy. Diagram 6 shows death rates of females from thyrotoxicosis and myxoedema in five year age-groups for the quinquennia 1944-48 and 1959-63. For females below the age of 60 years in the second period there was no evidence of increased risk of death from myxoedema, although they undoubtedly included among their number patients who had had radio-active iodine. This may be due to an awareness on the part of the medical profession of this complication after isotope therapy so that there is early and effective control of the hypothyroid state. Nevertheless, as mentioned previously, myxoedema may appear many years after the use of radio-active iodine, so that these figures do not completely deny the possibility that radio-active iodine may be one cause of the increasing mortality from myxoedema.

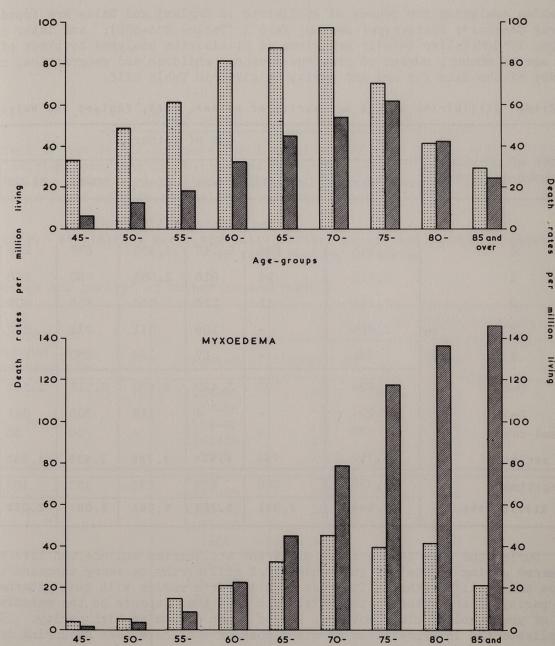
Table CII4. Thyrotoxicosis with or without goitre (ICD No. 252), death rates per million living by sex and age, 1944-1963, England and Wales

Age		Mal	les			Fem	ales	
Age	1944-48	1949-53	1954-58	1959-63	1944-48	1949-53	1954-58	1959-63
0 - 5- 10- 15- 20-	0.28 0.52 1.43	- - - 0.42	0.12	0.21 - 0.36 0.28	0.14 - 2.50 2.74	0.14 1.59 2.83	0.25 - 0.72 1.43	- - 0.25 0.55
25- 30- 35- 40- 45-	0.93 1.59 2.90 3.49 5.70	0.86 0.52 1.74 2.29 3.60	0.27 0.49 1.05 2.02 1.60	0.14 0.53 0.74 1.44 2.18	6.86 7.74 10.68 17.38 33.45	2.55 3.53 6.26 8.71 14.73	2.02 2.82 3.20 4.77 9.72	0.84 1.62 2.21 4.38 6.55
50- 55- 60- 65- 70-	9.72 10.10 12.65 17.05 9.48	6.94 8.76 13.29 14.06 12.12	2.67 5.70 10.01 12.13 12.07	3.98 6.12 7.76 6.58 7.98	48.79 61.41 81.32 87.74 97.46	25.29 43.06 60.59 82.25 76.81	15.59 23.26 38.90 57.16 56.37	12.71 18.35 32.53 45.27 54.14
75- 80- 85 and over	7.25	7.47 4.68 18.35	6.70 5.21	5.63 3.97 6.46	70.32 41.56 29.13	76.95 34.94 20.69	51.68 40.84 26.35	61.86 42.13 24.35
80 and over	2.95	8.46 3.30	3.66 2.33	4.75 2.08	37.40 26.33	30.15 19.33	35.95 13.45	35.93 12.02

Table CII5. Myxoedema and Cretinism (ICD No. 253) death rates per million living by sex and age, 1944-1963, England and Wales

1		Mal	les			Fem	ales	
Age	1944-48	1949-53	1954-58	1959-63	1944-48	1949-53	1954-58	1959-63
0-	1.88	1.08	0.59	0.42	3.58	0.91	0.86	1.34
5-	0.14	0.12	-	-	0.72	0.12	0.11	-
10-	0.14		_	_	0.44	_	-	-
15-		_	0.14	0.12	0.28	0.14	0.14	-
20-	0.71	0.28	-		0.26	0.27	-	0.27
25-	_	0.25	0.54	0.41	0.76	0.61	0.27	0.28
30-	0.16	-	0.25	0.27	0.83	0.13	0.73	0.19
35-	0.41	0.12	0.26	0.12	1.15	0.48	0.51	0.61
40-	0.54	0.36	0.13	0.53	0.97	1.53	0.86	0.90
45-	0.30	0.13	0.49	0.77	4.15	2.33	2.52	1.73
50-	1.19	1.66	1.20	1.03	5.53	5.35	4.28	3.91
55-	2.99	2.19	2.12	2.28	15.04	9.68	8.49	8.72
60-	4.50	2.74	3.47	5.05	21.24	22.91	19.53	22.82
65-	2.84	6.90	5.81	9.02	32.65	39.98	39.63	45.10
70-	3.16	5.72	10.39	16.96	45.36	48.64	58.39	78.78
75-	4.83	6.94	10.31	22.54	39.58	46.97	70.07	117.56
80-	2.76	5.85	13.54	29.74	41.56	57.30	86.93	136.53
85 and over	-	12.23	9.85	27.98	21.04	46.90	83.62	146.08
80 and over	1.97	7.61	12.45	29.18	34.69	53.80	85.81	137.19
All ages	1.15	1.16	1.38	2.22	7.73	8.39	10.26	14.68





Thyrotoxicosis with or without goitre and myxoedema, death rates of females per million living by age, 1944-1948 and 1959-1963, England and Wales

Age-groups

STILLBIRTHS

Trends in maternal age and parity

Tables analysing the causes of stillbirth in England and Wales are found in the Registrar General's Statistical Review, Part I (Tables 23A-23H); and later in this volume (pp. 177-188) fuller details are given of stillbirths analysed by place of occurrence, age of mother, number of previous liveborn children and geographical region. A summary of the data for age and parity is given in Table C116.

Table CII6. Stillbirths by age and parity of mother, 1963, England and Wales

the same of the same	Age of mother									
Number of previous liveborn children	All ages	Under 20	20-24	25-29	30-34	34-39	40 and over			
		Legi	timate	stillbirt	hs					
0	5,345	686	2,142	1,473	677	295	72			
1	3,115	94	816	1,054	690	348	113			
2	2,196	12	326	666	636	406	150			
3	1,266	-	109	311	379	313	154			
4	764	-	27	166	230	221	120			
0-4	12,686	792	3,420	3,670	2,612	1,583	609			
5-9	994	-	4	119	306	347	218			
10 and over	73	-	-	-	10	30	33			
All parities	13,753	792	3,424	3,789	2,928	1,960	860			
Illegitimate	1,236	300	329	272	153	103	79			
All Stillbirths	14,989	1,092	3,753	4,061	3,081	2,063	939			

During the year 1963 a total of 14,989 stillbirths and 854,055 live births occurred giving a rate* of just under 17.2 stillbirths to every thousand total (live and still) births. The risk of stillbirth varies with both maternal age and parity of the mother; the stillbirth rate thus depends on the relative number of young and of older mothers, and of women of low or high parity. This may complicate the interpretation of other changes that have been occurring in recent years.

The median maternal age at delivery (total births, 1963) increases with parity:

Number of previous liveborn children	Median age (years)
0	23.7
1	26.7
2	29.0
3	30.9
4	32.4
5-9	34.7
10 and over	38.9

The effect of age itself accounts for a considerable part of the higher proportion of stillbirths occurring in multiparous mothers. Among younger mothers the second child has the lowest risk of being stillborn but at maternal ages over 40 the minimum risk is found with third children (see Table Cl18).

Table CII7. Stillbirths per 1,000 total births, by age and parity of mother, 1955 to 1963, England and Wales

(a) By age and parity* of mother in combination

Number of		Age	of mother at b	irth
previous live- born children	Period	Under 25	25-34	35 and over
0	1955-56 1957-58 1959-60 1961-62 1963	21.7 21.2 19.3 18.1 16.1	28.3 26.5 25.0 22.6 21.7	47.6 44.1 40.9 37.5 33.0
1-3	1955-56 1957-58 1959-60 1961-62 1963	14.0 12.9 12.2 11.1 10.6	17.9 17.6 16.2 14.8 14.0	31.0 30.8 29.6 27.5 26.9
4 and over	1955-56 1957-58 1959-60 1961-62 1963	19.1 14.9 21.9 16.5 13.9	25.7 24.4 23.3 21.9 21.6	43.9 39.8 36.9 35.0 33.3

^{*}Illegitimate stillbirths are assigned to parity 0 in this table

^{*} This "rate" is the number of late foetal deaths per 1,000 total births, and differs from the ratio published in the Demographic Year Book (UNO) which is per 1,000 live births. It differs from the live birth rate in being a simple proportion; no population and no duration of time enter into its cale culation. There are, however, practical conveniences in retaining a phraseology comparable with early neonatal mortality.

(b) By age and parity* of mother separately

		Age of mothe	er at bir	th	Number of previous live- born children			
Year	All ages	Under 25	25-34	35 and over	0	1-3	and over	
1955	23.2	19.6	21.9	37.1	26.0	19.1	34.3	
1956	22.9	18.8	21.9	37.4	25.6	19.0	33.4	
1957	22.5	18.8	21.2	36.4	25.0	18.8	31.9	
1958	21.5	17.9	20.7	34.5	23.9	18.2	30.3	
1959	20.8	17.1	19.9	34.6	23.0	17.6	29.7	
1960	19.8	16.5	18.9	32.4	22.1	16.5	28.8	
1961	19.0	16.0	18.1	32.0	21.1	16.0	28.0	
1962	18.1	15.3	17.3	30.5	20.2	15.0	26.8	
1963	17.2	14.1	16.8	29.7	18.8	14.6	26.2	

*Illegitimate stillbirths are assigned to parity 0 in this table

The changes which have occurred in stillbirth rates for broad age and parity groups are shown in Table C117 for each year from 1955 until 1963. There has been a reasonably uniform decrease affecting all births with the exception of one group having small numbers of stillbirths (mothers aged under 25 years with four or more previous liveborn children).

A more detailed analysis of births is available for 1963 than has been produced in the years since 1956 and the opportunity has therefore been taken to compare these two years in detail.

Before 1963 it was customary to include illegitimate births with nulliparous births; for younger mothers, most illegitimate births are probably first births but the presumption is weaker for older mothers. When the birth registered is illegitimate no information is in fact collected of any previous birth, and accordingly the data for parity in 1963 exclude illegitimate births. Figures for 1963 comparable with previous years can be obtained by combining first-born legitimate births with illegitimate births to set against "nulliparous" births of previous years.

From Table C118 it is seen that the lowest stillbirth rate occurs among mothers under the age of twenty years for their second baby (parity 1), and is now less than 10 per thousand total births. During the past seven years the stillbirth rate for this group has fallen from 11.7 to 9.3 but the decrease is proportionally as great at some other ages and parities.

Table CII8. Comparison of stillbirths per thousand total births, by age and parity* of mother, 1956 and 1963, England and Wales

Number of previous	Year			Age of	mother	at birth	1	
liveborn children		All ages	Under 20	20-24	25-29	30-34	35-39	40 and over
	1956	25.6	21.7	21.3	25.5	35.4	45.9	51.5
0	1963	18.5	15.0	16.1	19.7	26.9	34.5	37.7
1	1956	16.4	11.7	12.7	14.5	18.9	28.3	37.6
	1963	12.6	9.3	9.9	11.3	15.7	23.6	35.9
2	1956	21.2	10.9	15.2	18.8	21.0	29.0	36.5
	1963	16.2	11.9	12.1	13.2	17.5	24.5	33.9
3	1956	24.7	-	18.5	18.7	23.8	30.1	45.8
	1963	19.0	-	14.5	14.3	18.2	25.4	38.3
4	1956	27.8	-	20.0	22.1	22.7	33.5	48.8
	1963	23.4	-	14.8	18.2	20.6	28.5	41.9
5 and over	1956	38.3	-	11.3	25.3	27.9	41.1	60.6
	1963	28.7	-	10.0	20.1	25.5	30.7	40.4
Grouped parities:								
0-4	1963	16.4	13.9	13.6	14.7	19.0	26.4	37.2
5-9	1963	28.0	-	10.0	20.2	25.2	30.1	39.4
10 and over	1963	43.5	-	-	-	41.8	39.8	49.1
Legitimate	1963	17.0	13.9	13.6	14.8	19.6	27.2	38.1
Illegitimate	1963	20.5	18.9	17.0	23.2	21.4	24.0	42.1
All stillbirths	1956 1963	22.9	20.7	18.4	20.0	24.7	34.1 27.0	47.8 38.4

*Illegitimate births are included in parity 0 for 1956 but not for 1963

As shown in Table C119, there is a well-established gradient across the country with higher stillbirth rates in the North and West than in the South and East. When comparing 1963 with previous years note must be taken of the change from standard regions to hospital board regions, the change from a broad to a finer classification of parity and the exclusion of illegitimate births from nulliparous births. Declining stillbirth rates are found in all regions and for mothers of all parities. There is no indication that the gap between the best and the worst region is disappearing.

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Table CII9. Stillbirths per 1,000 total births, by parity of mother and region

					196	33				1960	to	1962		
Hospital Region	Num	ber	of	prev	ious	liveb	orn chi	ldren	Number of previous liveborn children				Year	Standard Region
	0*	1	. 2	3	4	5-9	10 and over	Total	Total		1-3	and over		
Newcastle	20	16	19	22	25	27	73	19	22 22 20	24 22 22	18 19 17	35 34 28	1960 1961 1962	Northern
Leeds	17	13	17	20	24	32	72	17	21 20 18	23 23 20	17 16 16	30 29 25	1960 1961 1962	East and West Ridings
Manchester Liverpool				22	32	31	28	19	22 21 20	25 24 22	19 17 17	30 31 29	1960 1961 1962	North Western
Sheffield	19			19	27	24 32	65	18	21 20 20 19	23 22 19	17 17 17	32 23 28	1962 1960 1961 1962	North Midland
Birmingham	22	12	18	20	21	26	48	19	21 20 20	23 22 21	18 16 16	29 30 28	1960 1961 1962	Midland
East Anglia	18	13	16	22	16	25	-	17	18 17 16	21 18 18	15 15 13	26 30 22	1960 1961 1962	Eastern
North West Metropolitan North East Metropolitan South East Metropolitan South West Metropolitan		11 11	15 17 14 11	17 20 19 12	18 20 16 23	28 29 25 27	35 41 22 55	15 16 16 13	17 17 16	19 19 19	14 14 13	27 25 25	1960 1961 1962	London and South East
Oxford	16	12	14	13	18	33	-	15	16 16	19 19	13 13	23 24	1960 1961	Southern
Wessex	16	14	16	19	21	19	25	16	15	18	12	27	1962	
South Western	18	12	13	18	18	24	37	16	18 18 18	22 21 21	15 16 14	25 23 26	1960 1961 1962	South Western
Welsh	22	16	17	17	27	30	27	20	24 22 22	26 24 26	21 20 18	28 29 28	1960 1961 1962	Wales

^{*}Illegitimate births are included in parity 0 for 1960-1962 but not for 1963.

It will be seen from Diagram 7 that superimposed upon the gradual trend of declining stillbirth rates are irregular fluctuations which have in part a recurring seasonal character. The period studied covers the rise and fall of thalidomide, sales of this drug reaching their peak early in 1962, and an epidemic of rubella in the winter of 1962/63.

The number of stillbirths occurring in each month and attributed to rubella are shown below:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1961	-	-	-	-	-	-	-	-	1.	1	-	-
1962	-	2	-	-	1	1	2	1	1	3	10	2
1963	5	2	1	3	1	-	-	-	1	-	-	2

A discussion on seasonal changes in stillbirths will be found in the Commentary Volume for 1961, page 200.

Trends in causes of Stillbirth

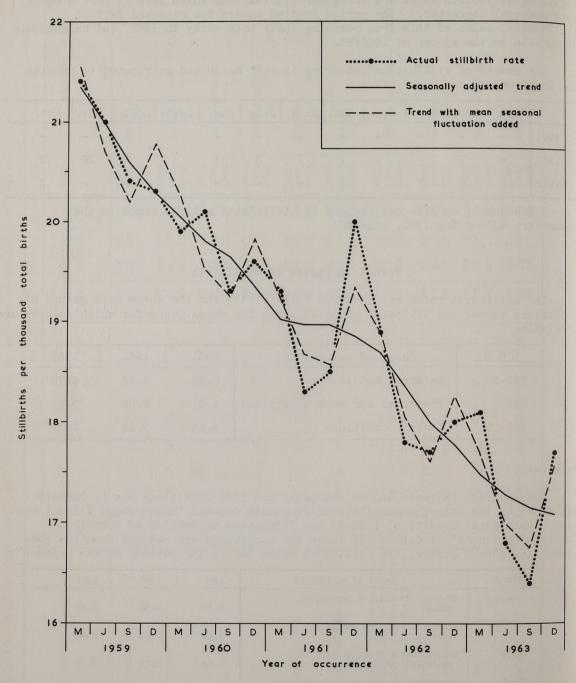
The stillbirth rates per thousand total births for the three main groups of conditions showed the following changes during the three years for which figures are available:

ICD No.	Cause of stillbirth	1961	1962	1963
Y30-35	Maternal conditions	5.63	5.13	4.79
Y36	Placental and cord conditions	4.91	5.05	5.10
Y37-39	Foetal conditions	8.48	7.92	7.36

Maternal

The apparent increase due to placental and cord conditions can be largely explained by the interchangeability of diagnosis between "Haemorrhage without mention of placental condition" (Y32.2) and "Premature separation of normally implanted placenta" (Y36.2). If these two conditions are removed from the corresponding parent groups, the stillbirth rates due to the various causes become:

ICD No.	Cause of stillbirth	1961	1962	1963
	Maternal conditions (excluding Y32.2)	5.00	4.62	4.23
	Placental and cord conditions (excluding Y36.2)	3.56	3.59	3.57
Y32.2	Haemorrhage without mention of placental conditions	0.64	0.51	0.56
Y36.2	Premature separation of normally implanted placenta	1.35	1.46	1.53
Y32.2, Y36.2	All haemorrhage	1.99	1.96	2.09



Stillbirth rates (actual occurrences), seasonally adjusted trend, and the trend with mean seasonal fluctuation added, 1959 to 1963, England and Wales

Thus re-arranged, the data show no significant change in placental abnormalities as a cause of stillbirth, although the combined total attributed to haemorrhage has increased.

Other categories showing decreases include Y34 - "Difficulties in labour", the rate per thousand total births for the successive years being:

1961	1962	1963
1.55	1.36	1.21

On inspection this decrease is largely due to difficult labour with malposition; it is appropriate to consider together malposition as a cause of "Difficult labour" (Y34.2) and also of "Birth injury" (Y37.3) for which the rates were:

1961	1962	1963
1.01	0.81	0.73

Toxaemia, in the sense of eclampsia and pre-eclampsic toxaemia, can be reconstituted approximately by combining "Eclampsia" (Y32.3) and "Other toxaemias of pregnancy" (Y32.4), the rates being:

1961	1962	1963
2.70	2.54	2.30

"Placenta praevia" (Y36.1) also showed a decline:

1961	1962	1963	- 02 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
0.26	0.20	0.19	The property

Foetal

Decreases were also shown by the total for foetal conditions, and also for "Congenital malformations" (Y38), one of its largest components:

1961	1962	1963
3.72	3.34	3.19

There is some overlapping of diagnostic categories between the principal neurological deformities, accounting for the following rates

ICD No.	Cause of stillbirth	1961	1962	1963
Y38.0	Anencephalus	2.02	1.82	1.78
Y38.1,Y38.20	Hydrocephalus or with mention of hydrocephalus	1.02	0.89	0.79
Y38.2, Y38.00	Spina bifida or with mention of spina bifida	0.71	0.57	0.59

Rates for "Erythroblastosis" (Y39.2) also show a decrease:

1961	1962	1963
0.90	0.79	0.76

Geographical variations. Regional differences in the relative frequency of congenital malformations are known to occur for both stillbirths and infant mortality. In order to assess these differences more accurately, stillbirths for three years (1961-1963) have been tabulated for the standard regions of England and Wales (see Table C120). Combinations of two or more congenital malformations are common. Thus hydrocephalus as the sole cause would be assigned to Y38.1 but in combination with spina bifida it would be coded Y38.20 to "Spina bifida with mention of hydrocephalus". Similarly, spina bifida associated with anencephalus would be coded Y38.0 "Anencephalus with mention of spina bifida or synonym". Regional variations persist whether abnormalities are combined or taken singly. Individual components are shown in Table C120 but combined groups are used for making regional comparisons.

There is a marked similarity between the three major malformations of the central nervous system. The rates are approximately twice as great in regions with the highest rates as in those with the lowest, and for all three malformations - anencephalus, hydrocephalus and spina bifida - highest rates are recorded in Wales and in the North Western Region, and lowest rates in the Eastern Region and in the London and South Eastern Region. This is clearly seen if the combined rates per 1,000 total births are compared:

	Anencephalus	Hydrocephalus	Spina bifida
High rates			
Wales	2.82	1.24	1.04
North Western Region	2.45	1.14	0.78
Low rates			
Eastern Region	1.41	0.64	0.45
London and South Eastern Region	1.29	0.63	0.41

In the remaining groups of central nervous system malformation the numbers recorded are smaller. The Eastern Region and the London and South Eastern Region have low rates also in all these groups; the higher rates are twice the lowest but are not found so consistently in the same regions. The regions having the highest and lowest rates were (expressed per 100,000 total births):

Agerbannean (Algani)	Mongolism	Microcephaly	Other malformations of central nervous system		
High rates	South Western 5	North Western 4	Wales 10		
	Northern 4	Southern 4	North Western 10		
Low rates	Wales 2	Wales 1	Midland 5		
	Eastern 2	Midland 1	Eastern 5		
	London and	North Midland 1	London and		
	South Eastern 2	Eastern 1	South Eastern 5		
		London and South Eastern			

Table C120. Stillbirths assigned to congenital malformations, rates per 1,000 total births by standard region, 1961-1963, England and Wales

	ICD No.	Cause	Northern	East and West Ridings	North Western	North Midland	Midland	Eastern	London and South Eastern	Southern	South Western	Wales
	Y38.0	Anencephalus	2.24	1.95	2.45	2.05	2.06	1.41	1.29	1.59	1.60	2.82
	Y38.1 Y38.20	Hydrocephalus Spina bifida with mention of	0.80	0.69	0.76	0.70	0.69	0.48	0.45	0.56	0.53	0.75
	100.20	hydrocephalus	0.26	0.33	0.38	0.28	0.29	0.16	0.18	0.23	0.30	0.49
		Total hydrocephalus	1.06	1.02	1.14	0.99	0.98	0.64	0.63	0.79	0.83	1.24
	Y38.2 Y38.00	Spina bifida Anencephalus with mention	0.40	0.49	0.52	0.40	0.43	0.28	0.27	0.32	0.45	0.70
	100.00	of spina bifida	0.29	0.28	0.26	0.22	0.29	0.17	0.13	0.17	0.15	0.34
		Total spina bifida	0.69	0.77	0.78	0.62	0.72	0.45	0.41	0.49	0.60	1.04
1	Y38.30	Mongolism	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.05	0.02
181	Y38.31	Microcephaly	0.02	0.02	0.04	0.01	0.01	0.01	0.01	0.04	0.02	0.01
	Y38.32	Other malformations of the central nervous system	0.06	0.07	0.10	0.09	0.05	0.05	0.05	0.08	0.08	0.10
	Y38.4	Cardiovascular	0.03	0.10	0.08	0.04	0.06	0.12	0.06	0.04	0.10	0.04
	Y38.45	Other malformations of the heart	0.03	0.04	0.04	0.02	0.02	0.04	0.02	0.02	0.06	0.03
	Y38.5	Malformations of other systems	0.21	0.21	0.21	0.23	0.23	0.23	0.21	0.22	0.28	0.19
_	Y38.6	Monster	0.02	0.01	0.02	0.01	0.02	0.03	0.03	0.02	0.01	0.01
		Total births (thousands)	185	230	376	206	278	211	580	165	178	140

In order to correct for any differences in age structure between the regions, stillbirths have been adjusted for maternal age in Table Cl21; the standardised ratios for anencephalus, spina bifida and hydrocephalus are found to resemble each other in their general trend and the findings based on unadjusted rates are confirmed.

Stillbirths due to the remaining congenital malformations of the central nervous system are few in number and have been combined into two groups - those with a standardised ratio above 100 and those below. The differences between the two groups do not reach statistical significance for any of the three groups of malformations.

Table C121. Stillbirths assigned to congenital malformations of the central nervous system, standardised ratios adjusted for age of mother, in the standard regions, 1961-1963, England and Wales

Region	Anencephalus	Hydrocephalus or with mention of hydrocephalus	Spina bifida or with men- tion of spina bifida	Mongolism (Down's syndrome)	Microcephaly	Other malformations of the cen- tral nervous system
	(Y38.0)	(Y38.1,Y38.20)	(Y38.2,Y38.00)	(Y38.30)	(Y38.31)	(Y38.32)
Wales	152	139	168			
North Western	131	127	125			
Northern	119	117	111	107	108	113
East and West Ridings	104	114	123		100	110
North Midland	109	109	98			
Midland	110	109	115			
Eastern	76	72	73			
London and South Eastern	69	70	65	91	90	83
Southern	86	. 89	80			
South Western	86	94	96]		
Total number of stillbirths	4,774	2,287	1,590	71	50	179

Two of the major central nervous system malformations are distinguished by a large excess of female stillbirths, and it is pertinent to enquire whether regional fluctuations affect both sexes equally. In Table C122 the actual number of still-births assigned to the selected causes (combined totals) for each sex separately are compared with the expected number if the average proportion of all causes for the whole country had prevailed. Where the difference between actual and expected number exceeds twice the square root of the expected number, an asterisk is used to mark the significant difference.

From the data in Table C122 the ratio of actual/expected number of stillbirths can be calculated, and this ratio is presented below for those areas where the difference has been marked as significant in at least one sex. If the difference between actual and expected numbers in the other sex is less than the square root of the expected number the corresponding ratio is placed in brackets. Any ratio

which is neither marked with an asterisk nor placed in brackets is thus known to be based on a difference of between one to two standard deviations. The ratios of actual to expected stillbirths so selected were:

Region and conurbation	on	Anencephalus (Y38.0)	Hydrocephalus or with mention of hydrocephalus (Y38.1,Y38.20)	Spina bifida or with mention of spina bifida (Y38.2,Y38.00)
East and West Ridings	{ M F			1.30* 1.15
North Western	{ M F	1.09 1.22**	1.13 1.17*	1.28* (1.05)
South East Lancashire	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$		1.13 1.29*	Delta del del del
Merseys1de	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	1.17 1.29*		PARTIES AND ARREST
West Midland	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	(0.89) 0.84*		
Eastern	{ M F	(0.93) 0.80*	0.84 0.73*	0.60*
London and South Eastern	{ M F	0.80** 0.78**	0.76** 0.84*	0.68** 0.77*
Greater London	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	0.75** 0.73**	0.75* 0.81*	0.63** 0.71**
South Western	{ M F	0.73* (0.95)		
Wales	{ M F	1.37**	1.28* (1.07)	1.41* 1.40*

When comparing regions and conurbations, ninety-six ratios have been inspected, using a screening probability of 1/20 for each; it is necessary to use a deviation from expected value that occurs only 1/1,920 times by chance as a realistic test that we are dealing with something more than chance fluctuations. Several ratios pass this test, and are marked with two asterisks. Those that fail to pass this more stringent test are the smaller areas with fewer numbers; this presumably is the reason for failure.

On comparing the ratios in the table above for the two sexes, it is only for spina bifida that any difference between the sexes can be discerned - in all six pairs of ratios quoted that for males is more divergent from unity than the corresponding ratio for females. In itself this is not unduly remarkable, and no similar distinction between the sexes can be elicited from the other conditions considered. It thus seems that regional differences are real, and operate equally upon the two sexes.

A complete analysis of regional differences should take account of any differences in maternal age, parity, or social class of father which are all known to be relevant and inter-correlated factors in the causation of stillbirth. The number of

Table C122. Comparison of assigned and expected stillbirths due to congenital malformations of the central nervous system by sex and standard regions, 1961-1963, England and Wales

Area		All ca	uses	Anence (Y38		with me hydroc	phalus or ntion of ephalus Y38.20)	Spina by with men spina (Y38.2,	ifida or ntion of bifida (Y38.00)
		Numbers	Rate	Actual	Expected	Actual	Expected	Actual	Expecte
England and Wales	{M F	23,917 22,263	18.2 18.0	1,325 3,449		1,181		565 1,025	
Standard regions and conurbations:									
Northern	$\begin{cases} M \\ F \end{cases}$	1,910 1,828	20.1	112 302	106 283	103 93	94 91	39 89	45 84
Tyneside	{M F	510 483	20.6 20.5	35 74	28 75	33 25	25 24	14 22	12 22
East and West Ridings	${M \atop F}$	2,246 2,047	19.0 18.3	115 334	124 317	128 106	111 102	69 * 108	53 94
West Yorkshire	{M F	887 823	18.5 18.0	38 130	49 127	50 50	44 41	23 49	21 38
North Western	{M F	3,952 3,623	20.4	239 685*	219 561	220 210*	195 180	119* 176	93 167
South East Lancashire	{M F	1,411 1,310	19.6 19.3	86 219	78 203	79 84*	70 65	42 71	33 65
Merseyside	{M F	976 876	21.2	63 175*	54 136	57 42	48 44	27	23
North Midland	{M F	1,974 1,835	18.6 18.3	124 299	109 284	104	97 91	46 81	47 84
Midland	{M F	2,729 2,649	19.0	173 401	151 410	136 137	135 132	70 130	64 122
West Midland	{M F	1,380 1,331	19.1	68 173*	76 206	56 59	68 66	32 69	33 61
Eastern	{ M F	1,800 1,647	16.5	93 205*	100 255	75 60*	89 82	26 * 69	43 76
London and South Eastern	{M F	4,849 4,413	16.3 15.6	214* 536*	269 684	181* 183*	239 219	78* 157*	115 203
Greater London	{M F	3,628 3,327	16.3 15.7	151* 375*	201 515	134* 133*	179 165	54 * 109 *	86 153
Southern	{M F	1,303 1,274	15.4 15.9	73 189	72 197	63 67	64	32 49	31 59
South Western	${M \atop F}$	1,607 1,491	17.5 17.3	65 * 219	89 231	74 74	79 74	34 72	39 69
Wales	{M F	1,547 1,456	21.4	117* 279*	86 226	97* 77	76 72	52* 94*	37 67
Urban and rural aggregates:	(,	1,400	21.0	2184	220	11	12	941	01
Conurbations	{M F	8,792 8,150	18.1 17.7	441*	487 1,263	409 393	434 405	192 355	208 375
Areas outside conurbations:	(-,		,00	000	
Urban areas with population of 100,000 and over	{ M F	3,220 3,034	18.6 18.6	168 472	178 470	139 142	159 151	71 138	.76 140
Urban areas with population of 50,000 and under 100,000	{M F	2,152 2,004	18.6 18.4	140* 308	119 310	119 105	106 100	51 112*	51 92
Urban areas with populations under 50,000	{M F	5,231 4,719	19.0 18.2	307 858*	290 731	285 256	258 234	139 236	124 217
Rural districts	{M F	4,522 4,356	17.3 17.7	269 665	251 675	229 210	223 216	112 184	107

^{*} Indicates where the difference actual/expected is more than twice the square root of the expected number.

stillbirths in a single year is small for many causes and the present analysis has been restricted to outlining the effect of these factors acting independently.

Age and parity of mother. Congenital malformations are well known to have different incidence according to sex of the child and age of the mother, but the degree of expression of these features varies with the type of malformation. At almost all maternal ages female infants are nearly three times as likely to be anencephalic as males, and nearly twice as likely as males to have spina bifida or be microcephalic, or to show other malformations of the nervous system. The exception is mongolism (Down's disease) where there appears to be a change-over with increasing maternal age.

Table C123. Stillbirths assigned to congenital malformations of the central nervous system, rates per 1,000 total births by sex, and age of mother, 1961-1963. England and Wales

				A	ige of	mother			
ICD No.	Cause		All	Under 19	20-	25-	30-	35-	40 and over
Y38.0	Anencephalus	{ M F	1.01 2.78	1.16 3.52	1.06 2.91	0.89 2.51	0.95 2.62	1.18 2.84	
Y38.1, Y38.20	Hydrocephalus or with mention of hydrocephalus	$\left\{\begin{array}{c} \mathtt{M} \\ \mathtt{F} \end{array}\right.$	0.90	0.83	0.84	0.72	0.99	1.37	1.65 1.39
Y38.2, Y38.00	Spina bifida or with mention of spina bifida	$\left\{\begin{array}{c} M \\ F \end{array}\right.$	0.43 0.83	0.53	0.42	0.38 0.75	0.46	0.44	
Y38.30	Mongolism	{ M F	0.02	0.03	0.02	0.02	0.01	0.05	0.13
Y38.31	Microcephaly	{ M F	0.01	0.01	0.02	0.01	0.01	0.01	0.03
Y38.32	Other congenital malformations of the central nervous system	{ M F	0.05	0.03	0.06	0.04	0.06	0.05	0.08
	Total births (thousands)		2,550	202	790	780	469	235	74

Maternal age is known to be more important than parity in Down's disease, but has an uncertain effect on other conditions: mothers between the age of 20 and 30 may run slightly lower risks of these malformations than the younger or older mothers.

Table C124. Stillbirths assigned to congenital malformations of the central nervous system, rates per 1,000 total legitimate births by parity of mother, 1961-1963, England and Wales

	Cause		Number of previous children (live and still born)								
ICD No.		Total	0	1	2	3	4	5	6-7	8 and over	
Y38.0	Anencephalus	1.879	2.28	1.48	1.56	1.94	1.82	2.57	2.29	2.54	
Y38.1, Y38.20	Hydrocephalus or with mention of hydrocephalus	0.888	0.96	0.73	0.79	0.91	1.17	1.41	1.56	1.24	
Y38.2 Y38.00	Spina bifida or with mention of spina bifida	0.628	0.78	0.50	0.49	0.59	0.66	0.69	0.85	0.98	
Y38.30	Mongolism	0.029	0.019	0.014	0.035	0.046	0.041	0.077	0.21	0.10	
Y38.31	Microcephaly	0.019	0.023	0.018	0.015	0.015	0.031	-	-	-	
Y38.32	Other congenital malformation of the central nervous system	0.068	0.073	0.053	0.073	0.11	0.071	0.077	0.023	-	
	egitimate births thousands)	2,384	853	722	399	197	98	52	44	19	

Information about parity is available only for legitimate births. The changes in frequency of malformations of the central nervous system according to parity run parallel with those shown by age of mother, as might be expected.

Down's disease (mongolism) is the only condition showing a progressive increase in frequency with increasing parity of mother: and all the conditions, including Down's disease, have the lowest rates for mothers who had one previous live or still born child.

Social class

From the occupation recorded of fathers of legitimate stillborn children in 1961 the number of stillbirths has been tabulated by social class for nine ICD categories (Table C125) and for some of the more important groups of causes (Table C126).

Each entry in these tables has been compared with an expected number calculated by multiplying the total number of stillbirths in that social class by the proportion which the total for that category bears to the total number of stillbirths. Deducting this expected number from the actual number observed gives the deviation, shown, in italics, with a plus (for excess) or minus sign (for deficit). Thus for the first entry in Table Cl25 the expected number is

1,577 x
$$\frac{417}{14.526}$$
 = 45

and the deviation is accordingly 53 - 45 = +8.

Congenital malformations in social class I and II have a deviation below the expected value (-37) twice as great as the square root of the expected number (312).

From Table C126 it is seen that this deficit is accounted for by the deficit in still-births due to anencephalus (-48, or more than three times the standard error); and bearing in mind that the total stillbirth rate from all causes is only 83 per cent* of that for the community as a whole, it seems that this is a real deficit. It is not, however, accompanied by a progressive rise throughout the social class scale.

"Difficult labour" (Y34) is more prominent as a cause of stillbirth in social classes IV and V (see Table C125) but the group which has been isolated in Table C126 of difficult labour without disproportion or abnormality of bones of pelvis does not contribute to this anomaly. Otherwise there is no indication of heterogeneity in the two tables.

Table CI25. Number of legitimate stillbirths by ICD categories and social class with deviations from the expected number (see text), I961, England and Wales

		Wale	S				
				Social cl	ass		
ICD No.	Cause	Total	I and II	III	IV	V	Not known
	Maternal conditions						
Y30	Chronic disease in mother	417	53 +8	213 -16	70 - 9	63 +15	18 +1
Y31	Acute disease in mother	63	8 +1	38 +3	12	4 -3	1 -2
Y32	Diseases and conditions of pregnancy and childbirth	2,604	282 -1	1,440	480 -11	289	113 +7
Y34	Difficulties in labour	1,167	119 - 8	605 - 34	249 +29	157 +24	37 - 9
Y35	Other causes in mother	46	6 +1	23	11 +2	4 -1	2 0
	Placental and cord conditions						
Y36	Placental and cord conditions	3,787	399 - 12	2,090	708 - 6	428 - 3	162 +8
	Conditions in infant						
Y37	Birth injury	383	59 +17	204 6	63 - 9	48 +4	9 -7
Y38	Congenital malformations	2,877	275 -37	1,618 +41	557 +15	302 -27	125 +7
Y39	Other diseases and ill- defined causes	3,181	376 +31	1,728 -15	587 -12	365 +1	125 -5
Y30-Y39	All legitimate stillbirths	14,526	1,577	7,960	2,737	1,660	592

^{*}Decennial Supplement 1951, Occupational Mortality, Pt. II, Vol. 2, Tables

Table C126. Number of legitimate stillbirths by selected causes and social class with deviations from the expected number (see text), 1961, England and Wales

ICD No.	Cause	Total			Social c	lass	
ICD NO.	Cause	TOTAL	I and II	III	IA	V	Not known
Y32.2	Haemorrhage without mention of placental condition	490	56 +3	268 -1	80 -1 2	55 1	31 +11
Y36.2	Premature separation of normally implanted placenta	1,046	102 -12	578 +5	199 +2	116 -4	51 +8
Y32.3, Y32.4	Toxaemias of pregnancy including eclampsia	2,069	220 - 5	1,149	391 +1	230 6	79 - 5
Y34.0, Y34.1	Difficult labour without disproportion or abnormality of bones of pelvis	266	35 +6	150 +4	43 - 7	32 +2	6 -5
Y38.0	Anencephalus	1,573	123 - 48	904 +42	302 +6	171 -9	73 +9
Y38.1, Y38.20	Hydrocephalus and Spina bifida with mention of hydrocephalus	781	83 2	425 - 3	155 +8	91 +2	27 -5
Y38.2. Y38.00	Spina bifida and Anencephalus with men- tion of spina bifida	550	54 - 6	306 +5	102	60 - 3	28 +6
Y38.4	Malformation of cardio- vascular system	48	8 +3	21 -5	12 +3	3 2	4+2
Y38.5	Malformation of other specified system or part	186	27 +7	99	42 +7	12 -9	6 -2

DEATHS FROM ACCIDENT AND VIOLENCE

For the past six years deaths from accident and violence have increased steadily in number and, after allowing for growth of population and changes in population structure that might account in part for this increase, the Standardised Mortality Ratio is 6 per cent above the level for 1950-1952 for males and 27 per cent above the base level for females.

The major causes responsible for these deaths have been reviewed in this Commentary on 1962 and earlier years. They include topics such as motor transport accidents, suicide, poisoning, falls and other home accidents.

The wide variety of accidents includes others which may not be of outstanding numerical importance, but which have attracted attention from time to time. A few of these smaller groups of accidents are discussed in the following sections.

Accidental mechanical suffocation (ICD Nos. E924, E925)

Accidental suffocation not due to ingestion of food or other objects is classified as mechanical suffocation under two headings:

E924 "in bed and cradle", and E925 "in other or unspecified circumstances".

The distinction may seem rather obvious, since infants who spend most of their time in bed or cradle from the bulk of category E924, and older persons are more liable to be classified in E925. The numbers recorded during the past five years under the age of twelve months, and over that age, are shown below for these two categories:

Year	E924, E925	"in bed	E92 "in oth unspec circumst	er and ified	
	All ages	Under 1 year	1 year and over	Under 1 year	1 year and over
1959 { M	131	77	5	5	44
F	66	54		4	3
1960 { M	128	74	2 2	3	49
F	60	53		4	1
1961 {M F	134 61	68 45	3 6	3 2	60 8
1962 { M	158	87	7	9	55
F	86	57	15	7	7
1963 {M	180	86 8		7	79
F	73	48 6		4	15
Total M	731	392	25	27	287
F	346	257	34	21	34

In both groups there is a moderate excess of males compared with females among infants under one year of age; but at older ages there is a striking contrast between the two sexes with a large excess of males in category E925. Death rates per million population based on registrations during the five years are:

	All ages	0-	1-	5-	15-	45-	65 and over
E924 M F	3.7 2.4	161 111	1.7	0.1	0.2	0.0	0.2
E925 M F	2.8 0.5	11 9	4.4	1.2	3.4 0.2	2.5 0.2	0.4

The greatest interest is focused on deaths in infants under the age of twelve months as at this age there are often conjectures that an unsuspected infection may account for the sudden death. Additional information obtained at the time of the inquest has therefore been analysed in order to present fuller information about the mechanism of these deaths.

Mechanical suffocation not due to food or other inhaled object

It is convenient to discuss the modes of suffocation according to the age of the subject, and to study adult males and females separately, in view of the industrial hazards affecting males only.

Children under the age of one year. The place in which the deaths from accidental suffocation in 1963 took place was reported as:

	Males	Females
E924 Bed, cot, cradle	86	48
cot	32	11
carry-cot	9	4
perambulator	10	6
in bed	8	6
in mother's bed not otherwise	11	10
specified	16	11
E925 Elsewhere	7	4

Most of the deaths assigned to E924 for which details are available may be classified under headings common to all the types of sleeping-place above. The most frequently occurring are:

- (a) some object covering the face, or
- (b) the child turning on to its face or against the side of its sleeping-place.

- (a) The object causing suffocation by superposition on the child is usually some form of bedding, but this series also included a cat, infant sisters and persons, possibly the child's mother. The articles of bedding mentioned were a blanket, eiderdowns (2 deaths), pram covers (2 deaths) and a duffle coat. There were single instances of bed-clothing being too tight, and of a pillow falling over the face.
- (b) When the child turns, it may suffocate face downwards on the pillow or on the mattress, or its face may be pressed against the side of its sleeping-place.

A few older children get too far down inside the bedding, but more accidents result from the pram or carry-cot being upset, and one resulted from a child slipping out of its cot in the bed-clothes. In two instances, infants old enough to stand up in their cot were strangled by a sleeve from a woollen coat and a string falling round the neck from a toy.

Deaths of fifteeninfants born illegitimately were recorded (in cot 4, in mother's bed 4, elsewhere 7). The accidents in these cases include suffocation by the breast or a pliable object, one shortly after birth and three others within the first month of life. To this group could be added a newborn infant abandoned in a public convenience.

Inhalation of gastric contents was noted twice, but no other illnesses were recorded in these infants.

Children aged I-4 years. About one fifth of the accidents occurred with bedding, with mention of illness in one case (menigitis). Six incidents occurred in cots, one in a pram.

Strangulation is more frequent as the child becomes more mobile (11 deaths). Five occurred in cots, one in a pram, and five while playing or getting into mischief elsewhere.

Plastic bags (4 deaths) are first mentioned at the age of 19 months; in one other incident the face was covered by sacks causing suffocation.

Older children. Seven accidents were recorded in the age-group 5-14 years, only one being by bedding; the others resemble adult type accidents more closely. One death was attributed to a plastic bag, in conjunction with a nylon stocking: the age at which these incidents with plastic bags occur most frequently is between 15-24.

Adult males. Occupational hazards are predominant in this group, the most hazardous occupation being coal-mining with 24 deaths, half of which occurred in the South Wales coalfield. Although mechanization has been introduced into coal-cutting and transport below ground, human intervention on the spot is still required for roof propping, packing stone and repairing roadways.

Other occupational risks are found in trench digging (e.g. for laying water mains and other purposes) with collapse of the walls. Many, but not all, of these

Table CI27(A). Deaths from accidental mechanical suffocation (ICD Nos. E924, E925), 1963, England and Wales

Children under I year

Mode of death		Under				Mon th	S		
inde of deadif		1 year	0	1	2	3	4	5	6-11
In bed with mother	{M F	11 10	3 -	4 2	2 2	2 3	2	1	
Face down in pillow, slipped down in bed with bedclothes over, and want of attention after feed	{M F	2	1 -	_	=	1 _	-	- 1	-
Overlain	{M F	3	1 -	- 1	1 1	1 2	2	-	-
In bed with parents (not elsewhere classified)	{M F	2 1	-	1 -	1 -	- 1	-	-	
In bed with mother (not otherwise specified)	{M F	2	1 -	3	1	-	-	-	-
n carry-cot	{M F	9	-	2	3	1 1	2	-	1 1
Duffle coat over face	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	1	-	-	-	7-	_	-	- 1
Face down: in pillow	{M F	3 -		1 -	1 -	-	1 _	-	-
in mattress cover or bedding	{M F	2 1	-	1	2 -	-	-	-	-
Cot tipped, upset, collapsed or child fell out	{M F	3 2	-	1 -	<u>-</u>	1 1	1 1	_	-
Unspecified	{M F.	1 -	-	-	-	-	-	-	1 -
n perambulator	- {M F	10 6	-	3 -	2 -	3	1 2	1 -	3
External object (cat or other child) on face or chest	{M F	2 -	-	1 -	1 -	- -	-	-	-
Pram cover, sheets	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	1	-	1 -	-	_	- 1	-	-
Face down in mattress (including plastic covered)	$\left\{ _{F}^{M}\right.$	2 -	-	-	-	2 -	-	-	_
Blanket covering face	{ ^M F	1 -	-	-	-	-	1 -	-	-
Pram tipped	{M F	- 1	-	-	-	-	-	_	1
Unspecified	{M F	4	-	1 -	1 _	1 1	- 1	1 -	2
Total	{M F	30 20	3	9	7 2	6 5	3 5	1	1 4

Table CI27(A) - continued Children aged I-4 years

Mode of death			Ag	e in years		
node of deadi		1-4	1	2	3	4.
In bed and cot	{M F	6 3	3	3 -	_	
by bedding over face	{M F	2 -	1 _	1 -	-	_
face down	{M F	2 -		2 -	_	1
strangulation: cardigan, nightdress, and harness	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	2	2 3	-	_	-
In perambulator	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	2	1	<u>-</u> 1	-	-
plastic pram cover	$\left\{ \begin{smallmatrix} M\\ F\end{smallmatrix} \right.$	- 1	1	-	_	-
strangulation (harness)	{M F	1	-	<u>-</u> 1	L	-
Elsewhere	{M F	8 2	3 1	2 1	2 -	1 -
face covered with sack and plastic bag	{M F	4 1	1	- 1 - 1	2	1 -
strangulation: cord, headboard, and iron gate	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	4	2 -	2 1		-
Total	{ M F	14 7	6 5	5 2	2 -	1

Children aged 5-14 years

Mode of death				Age 1	n years		
- Committee of the comm		5-14	5-	7-	9-	11-	13-14
Face down in mattress	{ ^M F	1 _	-		-	-	1.
Face covered with nylon stocking and plastic bag	{M F	1 -	-		-	_ I	1
Strangulation: scarf	{M F	- 1	-	_	1		_
Buried by sand, wheat	{M F	1	-	Ξ	_	1_	<u>-</u>
rapped by tool chest	{M F	1			1	-	5
Inspecified	{M F	1	-		1	_	=
Total	{ M F	3 4	=	-	- 3	Ī	2

incidents occurred in the south and east of England; population density or geological formations may account for their distribution.

A small but characteristic hazard is presented by the bulk handling of materials such as sand, limestone dust, coal in industrial stores, potatoes or grain. There is danger both of falling material and discharge of material from hoppers, and also of falling into the hopper.

Table C127(B). Deaths from accidental mechanical suffocation (ICD Nos. E924, E925), 1963, England and Wales

	12 14		
Adı	11+	ma	PS

					Age		
Mode of death	Total	15-	25-	35-	45-	55-	65 and over
Fall of stone or coal in coal-mine	24	4	7	7	5	1	-
at coal face (hewer, ripper, coal-cutting machine) other underground workers (packer, repairer, propping,	10	3	3	4	-	-	-
road-worker) other specified (deputy, overman, conveyor-mover) unspecified worker	7 6 1	1 -	3 1 -	1 2 -	2 2 1	1	-
Other fall of earth, stone, rubble	20	3	5	7	2	3	-
in trench, at work fall of coal (industrial) by hopper:	6 2	-	3	2	=	1_	-
sand, stone, quarry plant limestone dust refuse, brickworks	3 2 2	- 1	1 -	1 -	1 1	1 1 -	=
others: potato-pit (1)	5	2	-	3	-	-	-
Buried in snow	5	1	4	-	-	-	-
Strangulation: (cord and pillow (1); fall, tight collar (1); iron hoe, in blocked lime-kiln conveyor tunnel (1))	3	1	_	-	-	1	1
Plastic bag (one with barbiturate)	7	4	-	1	-	1	1
Lack of oxygen (cellophane processing)	1	-	-	-	1	-	-
Heavy machinery on chest	1	-	-	1	-	-	-
Immersion in polystyrene moulds	1	1	-	-	-	-	-
By pillow or settee (one with alcohol)	3	1	-	1	-	-	1
Not otherwise specified (one with epileptiform convulsion)	4	1	-	-	2	1	-
Total	69	16	16	17	10	7	3
Adult females							
By pillow (two with epileptiform convulsion)	2	-	1	1	-	-	-
By fall: against couch, with alcohol (1) mechanical walking frame (1)	2	-	-	-	-	1	1
Plastic bag	1	-	-	-	-	1	-
Not otherwise specified (one with epileptiform convulsion, one with alcohol)	5	2	2	-	-	1	-
Unspecified	1	-	-	-	-	-	1
Total	11	2	3	1	-	3	2

Adult females. Only eleven deaths were recorded, compared with 69 of males, but predisposing factors were noted in five (epileptiform convulsion 3, alcohol 2).

Death involving synthetic materials. The danger of plastic materials has received considerable public attention, but the number of deaths in which it is involved shows little sign of decreasing. The material specified most often is polythene. In 1963 plastic material was concerned in accidental deaths of children from a plastic-covered pram cover, pillows, cot mattresses, pram mattresses and cot linings. There were two accidental suffocations during the manufacture of plastics - one from "lack of oxygen" and the other from falling into polystyrene moulds.

Other objects made from modern synthetic materials have also been mentioned in accidental deaths from suffocation. The incidents involved a nylon eiderdown used as a cot cover, and a nylon stocking (in conjunction with a plastic bag), but the evidence against them is more conjectural.

Plastics have also been used for suicidal purposes, and some of the incidents recorded as accidents might belong to either group. They are also recorded in combination with other lethal agents such as carbon-monoxide or barbiturates.

Death by suffocation involving plastic material is continually under review by the Standing Interdepartmental Committee on Accidents in the Home. Prevention of other forms of suffocation in infants depends more upon realization by individuals of potentially hazardous situations. Apart from the practice of taking young infants into the parent's bed with the danger of overlaying, or the use of insecure carry-cots, no type of situation stands out as being particularly numerically important. The Royal Society for the Prevention of Accidents (RoSPA) draws attention to these risks in its "Protect your Child" campaigns. In a considerable proportion of cases no abnormal circumstances are found to explain these deaths.

Accidental death in places of recreation and sport

Although these deaths are relatively uncommon they are the more tragic because of the circumstances and their occurrence at an age when the general mortality is at its lowest. The death rate per million population living for the five years 1959-1963 was:

	All ages	0-	5-	15-	45-	65 and over
Males	2.67	2.4	5.3	2.9	0.9	2.3
Females	0.56	0.9	1.5	0.2	0.2	1.2

In general there has been a reduction in the numbers of these deaths most marked at ages between 15 and 44. These are the ages when deaths are most likely to occur in the pursuit of recreation and sport. At younger ages, and among older people, death in these places is less likely to be connected with recreation or sport, and they have not shown so clear a decline.

Table C128. Deaths from accident occurring in places of recreation and sport, 1959 to 1963, England and Wales

Year	All ages	0-	5-	15-	45-	65 and over
1959 {M F	80 19	3 2	22	41 2	6 -	8
1960 {M F	57 11	3 -	21 4	23 2	5 1	5 4
1961 {M F	65 16	7 5	22 6	28	2 -	6 4
1962 {M F	47 11	6 -	12 6	21	6 4	2
1963 {M F	50 10	4	16 1	22 2	5 -	3 6
Total {M F	299 67	23	93 26	135	2 4 5	2 4 2 I

The chief forms of this class of accident among deaths registered during 1963 were:

ICD No.	Cause of death	All ages	0-	5-	15-	45-	65 and over
E900-E902	Falls from one level $\left\{ egin{array}{ll} \mathbb{M} \\ \text{to another} \end{array} \right.$	9 2	- 1	6 -	2 -	-	1 1
E903-E904	Falls on same level or $\left\{ egin{array}{ll} \mathbb{M} \\ \text{unspecified falls} \end{array} \right.$	5 4	-	-	2 -	1 -	2 4
E910	Blow by falling object $\left\{egin{array}{c} \mathtt{M} \\ \mathtt{F} \end{array} ight.$	5 ~	-	2 -	3	-	-
E912	Caused by machinery $\left\{egin{array}{l} \mathbb{M} \\ \mathbb{F} \end{array}\right.$	3	1 -	1 -	- 1	1 -	-
E929	Drowning and submersion $\left\{ egin{array}{ll} \mathbb{M} \\ \mathbb{F} \end{array} \right.$	14	2 -	6 1	5	1 -	-
	Other accidents $\left\{egin{array}{l} {\mathbb{M}} \\ {\mathbb{F}} \end{array}\right.$	14 2	1 -	1 -	10	2 -	- 1

Falls (E900-E904)

The sex and age distribution of these fatal falls were:

	0-	5-	15-	25-	35-	45-	55-	65-	75-	85 and over
Males	-	6	3	1	-	-	1	1	1	1
Females	1	-	-	-	-	-	-	1	3	1

The extremes of age are affected, the youngest being a girl of 4, and the oldest a woman of 101.

The activities of children leading to the accident were:

	Males	Females
fell off slide	1	1
fell from diving board	1	-
fell from ornamental fountain, holiday camp	1	-
fell off a wall	1	-
fell off a gate on a cricket ground	1	-
n.o.s.	1	-

Deaths of males (15-64 years) were recorded as:

striking head on bottom of bathing pool when diving; collapsed during game of rugby football (blow on head); fall on level.

The falls of persons 65 years of age and over were presumably of the same nature as falls which occur to them in other circumstances; they just happened to be in a park, playing fields, or on holiday at the seaside or in a holiday camp. In no case was any foolhardy conduct attributed to them by the coroner.

Accidental death from drowning

Only a small proportion of deaths from drowning occur in places which are classifiable by the *International Statistical Classification of Causes of Death* as places of recreation or sport. Deaths so classified during 1963 include the following incidents:

7	All ages	1-	10-	20-	30-	40 and over
In a swimming pool and $\left\{ egin{matrix} M \\ \text{public baths} \end{array} \right.$	9	-	7	1 -	-	1 -
Sportsfield and caravan site $\left\{ egin{array}{ll} \mathbb{M} \\ \mathbb{F} \end{array} \right.$	4 2	2 -	-	2 2	-	-
Unspecified	2 -	-	1 -	1 -	-	-

It should be noted that deaths by drowning in the sea, or at the seaside, are not classifiable here unless reported as "seaside resort". Bathing in inland sources of water, such as streams or ponds, are likewise unidentifiable unless they should be ponds in quarries or industrial premises. Shallow garden ponds which are occasionally the site of drowning are also not picked out specifically unless they are in public parks or recreation grounds.

Other injuries

Exposure to cold (E932). One death of a female aged 75 occurring in November and associated with diabetes was ascribed to this category. Another death ascribed to barbiturate poisoning (E971) as the underlying cause was of a male aged 30 found dead in Hyde Park, London in the cold winter of January 1963.

Other and unspecified (E936). Three accidental deaths resulted from playing football. Following a collision between goal-keeper and centre-half a boy of 16 developed cerebral contusion and intracranial haemorrhage. After a fracture of the tibia in a man of 20, femoral vein thrombosis was followed by pulmonary embolism and death. In a third death of a man aged 40 who was seen to collapse while playing football, death was due to contusion of the brain and increased intracranial pressure with compression of the medulla.

Rugby football claimed one victim, who died from dislocated cervical spine and contusion of the spinal cord.

Gymnastics accounted for two deaths. In one instance the deceased had vaulted over a "box" and landed on his head, sustaining fracture-dislocation of the spine. The other instance was a school-teacher; the horizontal beam on which she was exercising dropped suddenly, causing traumatic pancreatitis with terminal pulmonary embolism.

Accidental death by fall of window-cleaners

There has been recurring interest in this hazardous occupation in the past, which data published routinely have not proved adequate to satisfy. This is due not so much to the limited number of persons employed in this occupation or the restricted cause of death, but rather to the deaths' not fitting into the usual classification. For example, of 98 deaths of male window-cleaners from accidents in 1949-53, 42 were assigned to "home accidents". This is ten times as many as might be expected for the general population, (see the Registrar General's Decennial Supplement for 1951, Occupational Mortality, Part II, Vol. 2). It seems likely that many deaths at work were being treated as home accidents. It is only by identifying these deaths during the coding process that detailed information from the death reports is obtained. This has been done periodically and the information from a restricted sample for 1963 is compared below with that for 1951.

All persons concerned in accidents while cleaning windows were males, their ages being:

	All ages	15-	25-	35-	45-	55-	65-	75 and over
1951	18	1	3	3	4	4	2	1
1963	19	4	4	1	2	7	1	-

The most recent series suggests two peak age-periods, one in young and the other in ageing men. Six persons were described as master window-cleaners (four in 1951 aged 35, 36, 63, 69, and two in 1963 aged 49, 60).

The International Classification of Causes of Death permits these falls to be assigned to five possible categories, and the numbers so assigned were:

		1951	1963
E900	Fall on stairs		-
E901	Fall from ladder	11	3
E902	Fall from one level to another	7	16
E903	Fall on same level	5000 7 500	187-9
E904	Unspecified falls	-	-

The place where the fall occurred during window-cleaning can be assigned to one of ten alternatives. These are identified in the *International Classification* by the fourth (or decimal) digit:

		1951	1963
.0	Home	5	5
.1	Farm	-	-
.2	Mine and quarry	-	-
.3	Industrial place or premises	1	3
. 4	Place for recreation and sport	-	-
.5	Street and highway	2	1
.6	Public building	1	7
.7	Residential institution	-	-
.8	Other specified places	1	3
.9	Place not specified	8	-

There is ample scope for divergences in coding practice according to the wording used on the death reports. There is obviously no essential difference between a fall coded to the house (.0) or public building (.6) from which the fall started, or the public highway (.5) where it terminated.

It is possible to amplify this picture of how and where the accident happened by other remarks made in the reports. The public buildings specifically mentioned in 1963 were hotel (2 deaths) and public house (1 death). In 1963 one fall was through a roof and in 1951 one fall was from an overhead crane gantry.

Other contributory causes of death were persecution complex (age 57) in the 1963 series, and coronary occlusion (age 69) in the 1951 series.

The months in which the deaths occurred were:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1951	-	3	5	- 0	-	2	-	2	1	-	4	1
1963	1	1	3	3	2	1	2	2	-	-	2	2

In two instances in 1951 mention was made of a ladder having slipped - February (1), March (1) - in one case through being on an icy surface.

Although full details for 1951 were not abstracted, it can be noted that two deaths of window-cleaners in February occupied consecutive positions in the death register of one district and four consecutive death entries in November were of window-cleaners, suggesting accidents involving more than one person.

Accidental death caused by firearm (including explosives) (E919)

Deaths from this cause are less frequent than in some other countries for which rates can be quoted:

		Rate per million population
England and Wales	(1959-1963)	1.7
Germany	(1959-1962)	1.9
Italy	(1961)	3.4
United States	(1961)	12

There may be some interchange between deaths assigned to accident, and those due to homicide (England and Wales 0.5 per million) or suicide (4.2 per million).

The highest death rate occurs among young males aged 15-19 years and amounts to about 10 per million population at that age. The risk is equal for both sexes below the age of five years, but is approximately ten times greater for males between the ages of 15 and 24 years, and seventy times as great for all ages over 25 years:

1959-1963

Age	Dea-	ths	Rate per million population			
	Males Females		Males	Females		
All ages	358	28	3.20	0.23		
0-	2	3	0.2	0.3		
5-	13	4	1.5	0.5		
10-	39	8	4.3	0.9		
15-	79	6	9.5	0.7		
20-	34	4	4.7	0.5		
25-	78	Visit Long	2.6	732		
45-	89	2	3.2	0.1		
65 and over	24	1	2.3	0.1		

The lethal agent causing the injury in 1963 was recorded as:

	Deaths
shotgun	14
rifle (bullet)	4
pistol	2
humane killer	1
gun-shot or firearm n.o.s.	47

One death occurred in an attempt by a farm worker to dismantle a cannon shell. Fight deaths were due to explosives.

Death from firearms is an occupational hazard for persons who use weapons in daily life. This is usually some form of agricultural activity. The occupations mentioned among males age 15 years and over and not specified as retired were:

farmers and farmer's son (one)	10				
farm or agricultural workers	3				
gardener (market) or seedsman 3					
poultry-farm mechanic or fell-monger 2					

Two deaths were of persons still working with the armed forces; two others were retired army officers.

Six of the explosive deaths were incurred in the legitimate pursuit of normal occupation involving explosives. A mill worker was killed in an explosives' factory, and one explosives' carrier was killed in a magazine explosion. Four coal miners (including one deputy) were killed as the result of shot-firing, three deaths occurring in one incident.

In the incidents causing death from gun-shot, the injury was reported as self-inflicted in seven instances, and inflicted by another person in three instances; in the remainder the circumstances were not reported. The activity upon which the deceased had been engaged, and which presumably precipitated the accident was reported as:

two deaths each:	shooting birds
	boys playing together
one death each:	playing with firearm
	using humane killer to destroy a stallion
	climbing a fence
	assisting another across a stream
	standing on a tractor
	standing on sea wall
	pointed gun at throat, thinking it would not go off at half-cock.

Out of eight deaths of females, four were daughters or wives of persons engaged in agricultural occupations.

The nature of the injuries caused by gun-shot wounds can be classified as affecting:

head, face, skull or brain	30
neck, shoulder, and cervical spine	4
chest (including heart 2, lung 1, both sites 2)	13
abdomen (including chest as well 5)	14
spinal cord	2
multiple or unspecified	5

Death may be instantaneous, or reported as internal haemorrhage; in one case inhalation of blood from injuries in the face proved fatal. Delayed death was due in one instance to peritonitis, and in another to hypostatic pneumonia.

The explosives caused multiple injuries (2 deaths), blast injury of lung (1 death), and haemorrhagic oedema of lung with extensive burns and multiple injuries (1 death).

One shot-firing mishap in a coalmine caused fracture of the skull and brain injury: the other incident killed three men from blast injury and carbon monoxide poisoning. Death in the bursting shell accident was due to shrapnel injuring the common carotid and subclavian arteries.

The numbers of deaths assigned to this category during the past twelve years have been:

1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
107	92	87	71	77	81	83	81	65	83	80	77

The average number is 82, with variance lll: the annual decrease in numbers has been 1.7 annually with standard error 0.88 and may be worthy of attention. The decline may be related to changes in the number of birds or other animals.

Some of these incidents were obviously the result of foolishness or lack of due care, or from allowing children to have access to lethal weapons. The need is apparent for instruction in elementary precautions when carrying or handling firearms. These deaths and also non-lethal injuries by firearm are the target of the "Protect your Sight" campaign undertaken by the Royal Society for the Prevention of Accidents.

Death from lightning (E935)

This is a rare mode of death which needs accumulation of data over many years to obtain a satisfactory conspectus. The numbers of deaths registered in each year of the present century have been:

programme, da	1	2	3	4	5	6	7	8	9	10
1901-10	16	8	22	8	12	8	12	10	8	20
1911-20	23	20	11	31	21	12	20	13	5	11
1921-30	3	5	8	15	17	11	5	4	14	10
1931-40	12	8	15	11	14	19	-	10	24	10
1941-50	7	3	7	10	7	15	7	11	12	13
1951-60	5	11	14	8	15	9	7	11	7	9
1961-	7	5	2							

The average number of deaths registered annually was 11.2 but the fluctuations from year to year were enhanced by incidents in which more than one person was killed. The worst incident during the period occurred in June 1914 when six persons were killed under one tree on Wandsworth Common, and three others in the vicinity.

Deaths of males exceeded those of females by more than six to one, but there was a slight but significant increase in the relative proportion of females over the years, which may reflect their greater participation in out-door activities:

	Males	Females	F/M ratio	
1904-1923	232	29	0.12	
1924-1943	194	22	0.11	
1944-1963	149	36	0.24	

The greatest number of deaths of females in any one year (seven) was recorded in 1914.

The deaths during the past ten years have shown a tendency to be in the younger age-groups for males, but not so for females:

-0	All ages	0-	10-	20-	30-	40-	50-	60-	70 and over
Males	62	-	19	16	9	4	7	7	-
Females	18	-	2	5	5	2	2	1	1

Summer is the time when most thunderstorms occur and more people are exposed to risk out of doors. Data based on eight years between 1949 and 1963 give the number of deaths in individual summer months as:

April	May	June	July	August
2	13	77	36	7.4

with single deaths in each of September and December.

These correspond with available data on storms sufficiently destructive to be mentioned in daily newspapers (Brooks, C. E. P. "The English Climate" 1954) and with data recorded in the Monthly Weather Report of the Meteorological Office. The

number of days each month in which thunder was heard by at least two recording stations was used as a guide to the number of storms:

	May	June	July	August	September	October
Newspaper records of						
storms	4	3	12	5	2	1
Thursday board						
Thunder heard -						
Average 1914-16 and 1961-63		5.0	6.2	5.3	3.7	
Widespread thunder- storms (1962-63)		2.5	3.5	2.5	2.5	

For both storms and deaths, July is the peak month.

The number of deaths from lightning during the past five years (30) is scarcely half the expected number if the average for the whole period had prevailed, in spite of the increased population. There are indications that thunderstorms may have been less frequent, the monthly average based on the four months June to September having been:

days, thunder heard per month

1914-1916	5.8
1961-1963	4.2

Workers in the open air are especially liable to this hazard and the recorded occupations (for eight selected years between 1949 and 1963) have been:

agricultural	19
electrical and other engineering	5
other constructional workers, including joiners, painters	8
labourers (railway, brickworks)	6
driver, postman, roundsman	3
armed forces	3
beach patrol, evangelist	2

Other occupations were:

persons of	school	age	(males	6,	females	2)8
indoor wor						
(males 8,						
undergroun	d worke:	r				1

Incidents in which more than one person died are fairly frequent, judging from consecutive registrations of death in the same place on the same day. They account

for about one fifth of all these deaths (6 out of 29 in the period 1945-47; 13 out of 78 in the period 1949-55). Particularly violent storms may account for several deaths in neighbouring counties on consecutive days. Thus in July 1955 deaths occurred in Somerset and Wiltshire on the 13th; on the 14th, five deaths (in two episodes) occurred in Hampshire, one in Berkshire and one in Surrey; and on the 15th one death occurred in Berkshire. Thunderstorms are most frequently reported from the Midlands and East Anglia; the two deaths reported in 1963 were from Cheshire and poneaster respectively.

A direct hit causes instant death with severe physical damage to brain and haemorrhages into hollow organs and cavities. The highly charged body may be thrown some distance and clothing blown off. In addition to fatal cases, there may be persons with lesser injuries as the result of the lightning strike; one death recorded above (14th July, Berkshire) was accompanied by 46 hospital admissions for burns, unconsciousness, ammesia or injuries to ear or eye. 2

^{1.} Hughes, J. P. W. Electric Shock and Associated Accidents. Brit. Med. J. I. 1956. pp. 852-855.

^{2.} Arden, G. P. et al, 1956. Lightning Accident at Ascot. Ibid. pp. 1450-1453.

MISCELLANEOUS

Corrected notifications and deaths assigned to certain infectious diseases

Table C129 contains details of notifications and deaths assigned to some less frequently occurring infectious diseases in 1963. Among these were a notification of malaria contracted in England and Wales and 4 cases of typhus - 2 notifications and 2 deaths in cases for which there were no corresponding notifications. Previously there had been no more than one case of typhus per year since 1956.

Table Cl29. Corrected notifications and deaths assigned to a few uncommon infectious diseases, 1963, England and Wales

	Notifications							
Disease (and ICD No.)	Administrative area	County	Number of cases					
	assignment	·	Males	Females				
Cholera (043)	-	-	-	-				
Plague (058)	-	-	=	-				
Relapsing fever (071)	-	-	-	-				
Smallpox (084)	-	-	-	-				
Typhus fever (100-108)	Liverpool C.B.	Lancashire	1	-				
	Royal Leamington Spa M.B.	Warwickshire	1	-				
Malaria (contracted in England and Wales 110-117)	Stoke Newington Met. B.	London A.C.	1	-				

Deaths

	AND THE RESERVE	Dodens		
Disease (and ICD No.	.)	Administrative area of assignment	County	Date of death
Cholera (043)	{ M F	_	-	-
(M	Kiveton Park R.D.	Yorkshire, West Riding	14th September
Brucellosis (044)	M F	Hammersmith Met. B	London A.C.	18th September -
Diphtheria (055)	{ M F	Plymouth C.B. Keighley M.B.	Devon Yorkshire, West Riding	4th December 9th December
Plague (058)	{ M F		_ =	- 1
Anthrax (062)	M	Colne Valley U.D.	Yorkshire, West Riding	27th September
Till of the control o	F		-	-
Relapsing fever (071)	{ M F	= -	-	-
Smallpox (084)	{ M F	-	-	
Rabies (094)	{ M F	-	-	264 60 - 10 700
Typhus and other rickettsial diseases (100-108)	{ M F	Sodbury R.D. Alcester R.D.	Gloucestershire Warwickshire	16th February 29th June
Actinomycosis (132)	{ M F	Margate M.B.	Kent -	29th September

There were 33 notifications of diphtheria in 1963 compared to 16 in 1962 and 51 in 1961. Two deaths were attributed to this disease in 1963.

Table C130. Corrected notifications of diphtheria, 1963, England and Wales

Administrative area of		Number of cases			
assignment	County	M	F		
Plymouth C.B.	Devon	1	-		
Liverpool C.B.	Lancashire	2	1		
Islington M.B.	London A.C.	3	3		
Southwark M.B.	London A.C.	6	2		
Hendon M.B.	Middlesex	2	-		
Brighton C.B.	Sussex, East	4	-		
Coventry C.B.	Warwickshire	-	1		
Halifax C.B.	Yorkshire, West Riding	1	1		
Keighley M.B.	Yorkshire, West Riding	3	3		

Deaths from encephalitis certified secondary to infectious disease

Table C131 shows that there were 48 deaths in 1963 with mention of encephalitis on the death certificate as secondary to an infectious disease. In 21 of these deaths the encephalitis was associated with measles and a further 10 with chicken pox.

Table C131. Deaths from encephalitis certified as secondary to infectious disease, by underlying cause, sex and age, 1963, England and Wales

			All	Deaths from encephalitis secondary to infectious diseases											
No.	Cause of death	Cause of death		All ages	0-	1-	2-	3-	4-	5-9	10-14	15-24	25-44	45-64	65 and over
080	Acute poliomyelitis	$\left\{ \begin{matrix} M \\ F \end{matrix} \right.$	4 3	1 -	- -	-		-	-	1 -	- -	- -	-	-	-
085	Measles	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	62 65	15 6	1 1	2 -	3 1	2 -	1 2	3 2	1 -	1 -	1 -	-	-
087	Chicken pox	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	13 9	6 4	1 1	1 1	1 -	1 -	-	- 2	1 -	<u>-</u> -	1 -	-	-
088	Herpes zoster	{ M F	17 38	1 1	-	-	-	-		- -	- -	_	-	_	1 1
089	Mumps	{ M F	2 5	4	-	-	2	- -	- 1	-	1	_	-	-	-
093	Glandular fever (infectious mononucleosis)	{M F	4 1	1	-	-	- -	-	-	- -	-	- 1	-	-	-
096	Other diseases attri- butable to viruses	$\left\{ \begin{smallmatrix} M \\ F \end{smallmatrix} \right.$	18 16	1 1	-		1 -	-	-	-	-	-	-	- 1	-
480	Influenza with pneumonia	{M F	909	1 -	-	- -	- -	-	- -	- -	-	-	-	1 -	-
483	Influenza with nervous manifestations, but without digestive or respiratory symptoms	{ M F	3 4	2 2	-	-	-	-	-	-	-	1 -	-	1 2	-
	Total	{ M F	1,032	27	2 2	3	5		3	4 4	2	2	2 -	2 3	1

Tetanus

In Table C132 are some details regarding 13 deaths assigned to tetanus in $_{\rm 1963}$ and to 8 further deaths where tetanus was mentioned on the certificate but not as the underlying cause. Both these figures are the lowest recorded in recent years.

Table C132. Deaths due to tetanus by sex and age, showing cause of tetanus, 1963, England and Wales

P	ıge	Sex	Cause of tetanus
			(a) assigned to tetanus (ICD No. 061)
3 y	rears	M	Cut on leg by glass
5	**	F	Tetanus*
8	11	M	Puncture on foot, stepped on nail
13	11	M	Laceration of right cheek, struck by a piece of falling wood
14	11	M	Accident - no history of accident or injury
43	"	M	Tetanus*
44	" .	M	Tetanus*
53	"	F	Nail from box pierced thumb
58	"	F	Tetanus*
65	"	M	Tetanus*
66	"	M	Scratched hand, sustained while pulling weeds
77	"	M	Accidentally pricked finger with thorn
87	11	M	Minor injuries to nose and forehead, fell at home
			(b) assigned elsewhere
7 3	years	F	Penetrating wound on the head, sustained in a fall from a bicycle
8	11	M	Result of infection after operation
20	11	M	Chronic ulcer of right leg and unhealthy wound of left leg
21	11 .	M	Undetermined origin*
55	**	M	Laceration of thumb, fell on cinder footpath
63	11	F	Perforated leg by bamboo shoot
67	11	F	Wound on knee, run down by car while crossing road
70	"	F	Cut in calf of left leg, fell on the highway
			Control Date to the last of the second second second second second second

^{*} No cause stated

Deaths associated with vaccination or other prophylactic inoculation

There were four deaths associated with vaccination or other prophylactic inoculation in 1963 compared with twenty nine in 1962, the year of the smallpox outbreak, and eight in 1961.

(a) ICD Nos. E940-E942, vaccinia, post-vaccinal encephalitis, and other complications of smallpox vaccination, and ICD Nos. E943, E944, post-immunization jaundice and hepatitis, and other complications of prophylactic inoculation.

The only death in this category was assigned to ICD No. E944, and it is interesting to note that no deaths were assigned to complications of smallpox vaccination, ICD Nos. E940-E942.

- (1) Male aged 18 years, certified as I(a) Coronary thrombosis, I(b) Coronary atheroma, I(c) Anti-tetanus injection after driving pencil point into hand, II Glandular fever and serum sickness.
- (b) Deaths assigned to other underlying causes but where the vaccination of the deceased was either mentioned on the certificate or ascertained by enquiry to have been associated with the death.

There were three deaths included in this category:

- (1) Male aged 40 years, certified as streptococcal septicaemia following inoculation against yellow fever.
- (2) Female aged 19 years, certified as I(a) Septicaemia, I(b) Burns to trunk and hand, II Anaphylactoid reaction to penicillin; ignition of clothing from contact with open fire.
- (3) Female aged 49 years, certified as I(a) Uraemia, I(b) Acute toxic nephritis, I(c) Septicaemia following injection. Toxide tetanus serum apparently induced at time of, or after, injection.
- (c) There were no deaths, in 1963, assigned to ICD No. 096.3 where the vaccination of a contact of the deceased was either mentioned on the certificate or ascertained by enquiry to have been associated with the death.

Deaths by cause, sex and age, connected with the administration of anaesthetics

Table C133 gives an analysis by age, sex and underlying cause of deaths in which anaesthesia was mentioned on the death certificate. There has been a marked decrease in these deaths since 1960 when there were 344 compared to 240 in 1963. Among individual causes of death commonly associated with anaesthetics which showed this downward trend were malignant disease and intestinal obstruction.

ICD No.	Cause of death	All	ages	0	-	5-	-	15	5-	25	5-	35	5-	4!	5-	5	5-	65 ov	an
		М	F	М	F	М	F	М	F	М	F	M·	F	M	F	М	F	М	
020-029	Syphilis and its sequelae	1	-	-	-	-	-	-	-	-	-	1	-	-	_	-	-	-	
140-205	Malignant neoplasms including neoplasms of																		
	lymphatic and haematopoietic tissues	22	22	1	-	-	-	1	-	-	1	-	-	2	3	12	6	6	1
210-239	Benign neoplasms and neoplasms of																		
	unspecified nature	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
250-254	Diseases of thyroid gland	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
260	Diabetes mellitus	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
330–334	Vascular lesions affecting central nervous																		
	system	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
370-389	Diseases of the eye	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
410-416	Chronic rheumatic heart disease	1	4	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-	
420-422	Arteriosclerotic and degenerative heart																		
	disease	8	8	-	-	-	-	-	-	1	-	1	1	1	-	2	1	3	
440-447	Other hypertensive diseases	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	
450-456	Diseases of arteries	3	3	-	-	-	-	-	-	-	-	-	-	1	1	-	1	2	
500-502	Bronchitis	3	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	
510	Hypertrophy of tonsils and adenoids	2	2	-	1	2	1	-	-	-	-	-	-	-	-	-	-	-	
530-535	Diseases of teeth and supporting structures	4	7	-	-	1	1	-	1	1	2	-	1	2	-	-	1	-	
540, 541	Ulcer of stomach and duodenum	13	3	-	-	-	-	-	-	-	-	-	-	4	-	2	1	7	
550-553	Appendicitis	3	5	-	-	-	-	-	-	-	1	1	-	-	-	2	-	-	
560, 561,												-							
570	Intestinal obstruction and hernia	12	7	-	-	-	-	-	-	-	-	2	-	1	1	3	-	6	
572	Chronic enteritis and ulcerative colitis	2	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	
580-587	Diseases of liver, gallbladder and pancreas	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
590-609	Diseases of urinary system	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
610	Hyperplasia of prostate	10	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	8	
640-689	Deliveries and complications of pregnancy,																		
	childbirth and the puerperium	-	3	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	
720-749	Diseases of the bones and organs of																		
	movement	4	2	-	-	1	-	-	-	1	-	1	1	1	-	-	-	-	
750-759	Congenital malformations	3	6	2	-	1	3	-	-	-	1	-	-	-	1	-	1	-	
Rem.001-																			
795	All other diseases	12	12	4	1	1	1	-	-	1	1	-	1	1	3	2	2	3	
E810-E835	Motor vehicle accidents	2	_	_	_	_	_	1	_	_	_	1	_	-	_	-	_	_	
E900-E904	Accidental falls	2	7			1	_	1 -	_	_		1-	_	_	_	-	_	1	
Rem. E800-	Addition latin	2	'			1												1	
E999	All other accidents and violence	7	6	1	_	-	1	1	1	-	2	-	_	1	1	1	_	3	
2000	MAL CONTOUR OF A LOTOTION		J				-	-	-		~			-					
	All causes	118	112	8	2	7	7	3	3	5	9	7	10	18	11	27	17	43	

Deaths with mention of anaesthesia for dental operations

A review of death reports, in which anaesthesia used in connection with dental operations was mentioned as a contributory factor, has been carried out for some recent years. The total number of such deaths in the period 1958-63 was 51, the annual numbers being as follow:-

	1958	1959	1960	1961	1962	1963
Males	4	8	4	5	3	4
Females	6	3	5	1	1	7

The distribution by age for the period of six years were:

	Total	0-	5-	15-	25-	35-	45-	5.5-	65-	75 and over
Males	28	1	4	2	5	4	9	1	2	-
Females	23	1	2	4	3	5	1	3	3	1

The place in which death occurred was recorded only for 1962 and 1963, the numbers being as follow:-

hospital, not otherwise specified	10
private hospital	1
at home	1
elsewhere	3

In the period 1958-63, the operation being performed were recorded as:-

extraction (removal of teeth)	
not otherwise specified	45
removal of impacted (wisdom)	
tooth	2
conservation	1
dental. not otherwise specified	3

A variety of anaesthetic and adjuvant agents was employed either alone or in combination for these 51 operations. They can be classified as:

Gaseous (general) anaesthetics	1958	1959	1960	1961	1962	1963	
not otherwise specified	-	-	-	-	1	2	
ether	1	1	- 1	-	-	-	
ethyl chloride	2	1	-	-	-	-	
nitrous oxide ("gas")	7	7	7	5	3	5	
trichlorethylene (T.C.E.)	3	1	1	1	-	3	
halothane ("Fluothane")	-	-	1	-	3	2	

Intrave	enous anaesthetics	1958	1959	1960	1961	1962	1963
	pentone sodium 'Pentothal")	5	5	4	1	1	3
	nohexitone sodium "Methahexital")	-	-	-	1	1.500-000	1
Auxilia	ry agents						
(P)	to diminish pain: omnopon, pethidine	-	2	-	- 81	1	1
(R)	<pre>muscle relaxant: flaxedil, gallamine, scoline, suxamethonium,</pre>				*		
	tubarine	5	3	2	2*	1	2
(H)	hyoscine group of drugs: atropine, scopolamine	-	1	3	-	Line Eve	1
(0)	oxygen	name v name	at 2 7 7 1 1 1 1	4	3	2	4

^{*1} male received a combination of two muscle relaxants.

The combinations of anaesthetics employed are set out, with the auxiliary agents shown by the contractions indicated above (i.e. P, R, H or O).

general	anaesthetic not otherwise specified	3	
ether -	+ nitrous oxide + thiopentone	2	(R=1)
ethyl d	chloride	2	
	+ trichlorethylene + nitrous oxide	1	
trichlo	prethylene	2	
	+ nitrous oxide	5	(O=4)
	+ nitrous oxide + thiopentone	2	(R=1)
	+ methohexital	1	
nitrous	s oxide	11	(0=2:PR=1)
	+ thiopentone	5	(0=3:H=1:R=4)
	+ halothane	3	(0=3)
	+ thiopentone and halothane	2	(O=1:PR=1:HR=1)
	+ methohexitone	1	(O=1)

halothane	1	(O=1)
thiopentone sodium	7	(R=3:HPR=2:H=1)
+ tubarine	1	(H=1)
methohexitone sodium	1	(RR=1)

From a ten per cent sample of in-patient discharges from N.H.S. hospitals it is known that about 37,900 dental operations (males 16,620, females 21,280) are performed in these hospitals annually, giving estimated rates of misadventure per 1,000 operations as:

males 0.28

females 0.18

There is no means of calculating similar rates for the various anaesthetics adjuvants and combinations used.

Therapeutic misadventures

Deaths have been included in the analysis of therapeutic misadventures on the basis of additional material specially extracted from death certificates in those cases where outward effects of therapy are thought to have been (at least) partly responsible for the acceleration of death. These misadventures are not normally coded and tabulated as causes of death as, by international agreement, the underlying sickness is used as the basis for principal tabulations of death. The trend since 1959 is shown in the following table:

	Fatal misadventure due to:	Number of deaths					
	ratar misauventure due to:	1959	1960	1961	1962	1963	
(i)	adverse reaction to drug or therapy	136	147	188	220	181	
(ii)	mistake in drug administration	3	1	2	-	1	
(iii)	overdose of drug	127	117	117	157	166	
(iv)	accident in technique	68	59	110	96	95	

The number of deaths associated with an adverse reaction to therapy increased from 136 in 1959 to 220 in 1962, falling to 181 in 1963. The improvement in 1963 was reflected in fewer cases of misadventure involving corticosteroid, analysic and anticoagulant drugs as compared with 1962. Deaths associated with side effects from corticosteroids, for example, reached a peak of 40 in 1962 falling to 25 in 1963 (Table Cl37). Only three death certificates mentioned ill-effects resulting from transfusions in 1963, the average for the preceding six years being eight. On the other hand, psychiatric drugs were involved in 18 cases in 1963 as compared with an average of 8 in 1957-62 (P<.05).

Types of adverse reaction

Anaphylactic shock and other allergic states. There were 10 cases where the fatal adverse reaction took the form of an allergic condition, and in 7 of these nenicillin was involved.

Aplastic anaemia, agranulocytosis, thrombocytopenia. Forty-one deaths could be included in this group. The drugs most frequently responsible were:

	Cases
Butazolidin and Tanderil (1 case)	8
Chloromycetin	6
Anti-cancer drugs	13

There were a further 2 deaths from haemorrhage following administration of anticancer drugs, without mention of blood changes.

Haemorrhage. There were 21 cases of fatal haemorrhage resulting from medication excluding those cases associated with aplastic anaemia and radiotherapy burns. 15 of these were associated with the administration of anticoagulants, phenindione being mentioned in 9. Salicylates and aspirin were considered to be the cause of fatal bleeding in 4 cases.

Jaundice, liver damage. Of 15 deaths associated with jaundice, chlorpromazine had been administered in 6, monamine oxidase inhibitors in 4, and 3 cases had had a blood transfusion.

Adrenal failure. Adverse reactions to corticosteroids were mentioned in 25 death certificates and in 10 of them the death followed adrenal failure.

Table Cl34. Fatal therapeutic misadventures due to adverse reaction to drug or therapy, 1963, England and Wales

Drug or therapy 0: cas		Nature of adverse reaction	Terminal complication if different from preceding column
ACTH	1	Encephalitis	Thrombocytopenic purpura
Adrenaline	1	Adrenaline apoplexy	Respiratory insufficiency
Anadin	1	Agranulocytosis	in primary insufficiency
Anticoagulant	5		
	1	Cerebral haemorrhage	HOIJOSTI SZTOVBS TO ESC
	1	Dissecting aneurysm with severe	
	GA (37	haemorrhages	edio bas dooks sidesives
	1	Haemopericardium	CHILD AND AND STREET THE
	1	Massive retroperitoneal haemorrhage	
	1	Multiple haemorrhages	Devloyal asw million
Anticonvulsant	1	Pancytopenia	Bronchopneumonia
Antimetabolite	1 1	Aplastic anaemia	Multiple haemorrhages
Anti-tetanus serum Aspirin	2	Serum sickness	Coronary thrombosis
	1	Gastric haemorrhage	Melaena
D-1	1 -	Haematemesis	
Butazolidin	5		
	1 1	Agranulocytosis	Pulmonary embolism
	1	Agranulocytosis and toxic hepatitis Aplastic anaemia	Acute hepatic failure
	1	Hypostatic pneumonia	0
	1 1	Thrombocytopenia	Septicaemia
Chlorambucil	1	Aplastic anaemia	Intestinal haemorrhage Pneumonia
Chloramphenicol	5	Apras die anaemia	FILEMIIOILIA
911-101 QIA	4	Aplastic anaemia	Acute ulcerative oesophagitis (1 case)
Aline to noise:		a privation againment out o	Bronchopneumonia (1 case) Haemorrhage and anaemia (1 case)
	1	Bone marrow aplasia	Pancytopenia
Chloromycetin	1	Agranulocytosis	Unresolved right lower lobe
AND THE PROPERTY OF THE PARTY O		DING RUNDERS DOVED LEGISTIFIC COSE	pneumonia
Chlorpromazine	5	des to actualitations at all	
. To because of the	1	Agranulocytosis	Haemorrhage, pneumonia
	1	Cholestatic jaundice	Renal failure
	1 1	Hepatitis Obstantian days in	Congestive cardiac failure
	1	Obstructive jaundice Unresolved jaundice	
Cobalt therapy	1	Sloughed bladder	Barran Tavak and Inch
Colchicine	1	Agranulocytosis	Renal failure
Corticosteroids	20	Agi aliu10cy tosis	Septicaemia
001 01000 001 0100	2	Acute adrenal failure	
stach is we seem	1	Acute suprarenal failure	
	1	Adrenal atrophy	Bronchopneumonia
	1	Adrenal failure	Peripheral failure
	1	Adrenal insufficiency	Bronchopneumonia
	1	Adrenocortical insufficiency	Bronchopneumonia
	1	Bleeding gastric ulcer	711071101110
	1	Bronchopneumonia	
	1	Corticosteroid myopathy	Acute respiratory failure
	1	Gangrenous cholecystitis	Toxaemia
	1	Hydro-adrenalism	

Table C134 - continued

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Corticosteroids -			
continued	1	Hypertension and ischaemic heart disease	Cardiac failure
	2	Osteoporosis	Carcinoma of breast (1 case) Cerebral thrombosis (1 case)
•	1	Perforated peptic ulcer	Peritonitis
	1	Peritonitis	
	1	Peritonitis and multiple bowel perforations	Pulmonary embolism
	1	Pituitary adrenal failure	
	1	Varicelliform encephalitis	
Cortisone	3		
	1	Acute adrenal insufficiency	
	1 1	Adrenocortical failure Hyponatraemia and hypokalaemia	
Cyclophosphamide	1	Haemorrhage from the vocal chord	Cardiac arrest
Digitalis	1	Cardiac arrhythmia	Cardiac arrest
Dindevan	8		
	1	Abdominal haemorrhage	
	1	Cerebral vascular accident	
	1	Haemoperitoneum	and the state of t
	1 2	Intestinal haemorrhage	Myocardial failure
	1	Multiple haemorrhages Sensitivity	Renal failure
	1	Suprarenal haemorrhage	Renal failure
Diuretic	1	Hyperkalaemia	Cardiac arrest
Drazine	1	Acute yellow atrophy of the liver	Liver failure
Electro-convulsive			
therapy	6	A a - large d	
	1	Asphyxia Coronary artherosclerosis	Acute myocardial infarction
	1	Fat embolism	Acute bronchopneumonia
	1	Heart failure	nouse bronophedmonia
	1	Left ventricular fibrillation	Acute pulmonary oedema
	1	Pulmonary collapse	
Epanutin	1	Pancytopenia	Bronchopneumonia
Fentazin and Daptazole Fluorouracil	1 1	Agranulocytosis Agranulocytosis	Toxaemia
Glucose and chloroform	1	Agranulocy costs	Bronchopneumonia
water	1	Respiratory failure	
Heparin	1	Perinephric haematoma	Brain stem ischaemia
Hydrocortisone	1	Peptic ulcer	Shock
Insulin	2		
	1	Hypoglycaemic coma Irreversible insulin coma	
Largactil	1 4	Threversible insulin coma	
	2	Agranulocytosis	Pulmonary embolism (1 case) Pyaemia (1 case)
Money	2	Jaundice	Bed sores (1 case)
Mersalyl Methotrexate	1	Congestive cardiac failure	
Tio oil of Lexate	4	Agmanulacytagia	
	1	Agranulocytosis Bronchopneumonia	
	1	Hypogranulocytosis	Terminal pneumonia
	THE RESERVE TO SHARE THE PARTY OF THE PARTY	Leukopenia	production of the

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Nardil	3		
	1	Acute atrophy of liver	
	1	Acute hepatic necrosis	
	1	Toxic hepatitis	Acute liver failure
Nitrogen mustard	2		
	1 1	Aplastic anaemia	
Parstelin	2	Pancytopenia	
raisceilli	1	Acute haemolysis	Acute renal failure
	1	Hypertension	Acute renal failure
Penicillin	7	hyper tension	
	1	Allergic vasculitis	Uraemia
	2	Anaphylactic shock	Ordenia
	1	Anaphylaxis	Irreversible cerebral anoxia
	1	Hypostatic pneumonia	TITOTOTOTOTO CETEBRAL AMONTA
	1	Sensitisation	Anaphylactoid shock
	1	Shock	projector brook
Penicillin and			
streptomycin	1	Anaphylactic shock	
Phenacetin	2		
	1	Chronic nephritis	Uraemia
	1	Hypertension	Congestive cardiac failure
Phenindione	2		
	1	Haemorrhage from the intestine	
	1	Pontine haemorrhage	
Phenylbutazone	3		
	1	Agranulocytosis	Acute lobar pneumonia
	2	Aplastic anaemia	Subarachnoid haemorrhage
Radiation	41		(1 case)
Tadia Cion	1	Acute myeloid leukaemia	
	1	Body dehydrated	Carcinoma of cervix uteri
	1	Bulbous emphysema	Congestive cardiac failure
	1	Fibrosis of left lung	Congestive cardiac failure
	1	Fibrosis of lung	Coronary thrombosis
	1	Fibrosis of lungs	Carcinoma of bronchus
	1	Inferior vena caval thrombosis	Peripheral circulatory failure
	1	Irradiation necrosis	Carcinoma of cervix
	2	Irradiation sickness	Carcinoma right tonsil (1 case) Myocardial failure (1 case)
	1	Irradiation ulceration	Bronchopneumonia and emphysema
	1	Laryngeal radio-necrosis	Bronchopneumonia
	1	Pelvic fibrosis	Bronchopneumonia
	1	Perforated duodenal ulcer	Biliary peritonitis
	1 1	Pharyngo-tracheitis	Bronchopneumonia
	1 1	Pneumonia	
	1 1	Post irradiation	Cachexia
	1 1	Post irradiation fibrosis	Right lower lobe
	1	Post immediation - 11	bronchopneumonia
		Post irradiation mediastinal	Right bronchial carcinoma
	1	fibrosis Post necrosis	Denot Postario
	1	Post radiation bleeding	Renal failure
MANAGES OF THE RESIDENCE OF THE PARTY OF THE		- oco radiation pleeding	

Drug or therapy	No. of	Nature of adverse reaction	Terminal complication if different from preceding column
	00000		
Radiation - continued	1	Post radiation debility	Occlusion femoral artery
	2	Post radiation fibrosis	Intestinal obstruction (1 case)
		No.	Myocardial degeneration (1 case)
	1	Post radiation fibrosis of pelvis	Epistasis
	1	Post radiation fibrosis, right lung	Pulmonary embolism
	1	Post radiation leukaemia	Acute leukaemia
	1	Post radiation pulmonary fibrosis	Bronchopneumonia
	1	Pulmonary fibrosis	Lymphosarcoma
	1	Radiation burns	Massive haemorrhage
	1	Radiation myelitis	Coronary thrombosis
	1	Radiation necrosis of cervical	Colonaly unionbosis
	1	spine	
	3	Radiation nephritis	Cerebral thrombosis (1 case)
		radia of on mophilion	Gangrene of small intestine (1 case)
			Uraemia (1 case)
	1	Radiation ulcer right groin	Haemorrhage
	3	Radio-necrosis	Haemorrhage (1 case)
			Peritonitis (1 case)
			Right carotid haemorrhage
			(1 case)
	1	Severe cystitis	Melaena
	1	Urinary incompetence and pyelonephritis	Uraemia
Radioactive phosphorus	1	Aplastic anaemia	
Radio-isotopes	2		AND
	1	Meningitis	Carcinomatosis
	1	Pyogenic meningitis, pneumococcal	
Radium	2	Tyokanio maningiois, phoancoocar	CARSOLATION CALABATTON ASSESSMENT
	1	Necrosis of jaw	Acute bronchitis
	1	Pelvic scarring	Cardiac infarction
Salicylates	2	1 CIVIC Scalling	Cardiac infarection
2011031000	1	Acute gastric erosion	Haemorrhage
	1	Gastric erosion	Haematemesis, melaena
Streptomycin	1	Agranulocytosis	Lobar pneumonia
Streptomycin and	_	ABI WILLIOUS 10013	Hober phedilonia
isoniazid	1	Aplastic anaemia	
Sulphadimidine and	1	Aprasoro anaemia	
sulphmethoxypyridazine	1	Aplastic anaemia	
Sulphonamide	1 2	Aprastic anaemia	
our prioria in lue	1	Allergic dermatitis	Coronary thrombosis
	1	Sulphonamide nephritis	Uraemia
Tanderi1	1	Agranulocytosis	Ulacilla
Tegretol	1	Marrow aplasia	Magairra haematemasia
Tetracycline and gold	1		Massive haematemesis
Thiotepa		Aplastic anaemia	Bronchopneumonia
mrocepa	6	Amonulasytesis	Constraint (1
	3	Agranulocytosis	Carcinomatosis (1 case) Septicaemia (1 case)
	0	Aplastic anaemia	Haemorrhage (1 case)
	2	Aprasoro anaemia	naemorrhage (1 case)

Table C134 - continued

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Transfusion Tranquillisers Trichlorethylene Other drugs and therapy Drug unknown Therapy unknown	1 1 1	Homologous serum jaundice Serum hepatitis Toxic hepatitis Idiosyncrasy Sensitivity Chronic hyponatraemia	Acute yellow atrophy of liver (1 case) Hepato-renal failure (1 case) Liver failure Acute liver failure Hepato-renal failure Pulmonary oedema Heart failure
Total	181		

Table CI35. Therapeutic misadventures, summary of adverse reactions to drugs and therapy, 1957 to 1963, England and Wales

Note. If two drugs or other forms of therapeutic misadventure are reported as being jointly responsible for the immediate causation of death, each is counted as one-half in assessing comparative results.

Total	265	136	147	188	220	181
Mixed responsibility Drug n.e.c. Drug unknown Electro-convulsive therapy/ Other procedures	3 7 5 11 5	- 3 - 8 -	- 5 1	2 3½ 1 3 -	- 4½ 2 3 -	- 1 1 6 3
Anaesthetic agents/ Analgesics Antibiotics n.e.c. Anti-tuberculosis Anticonvulsant Anticoagulant Anti-cancer, -leukaemia Anti-rheumatic Barbiturates and other hypnotics Corticosteroids and related drugs Contrast media/ Diretics Endocrine, hormones, nutritional metabolic agents Hypotensives Metals and compounds Psychiatric, tranquillizers Radiation (radio-active substances and X-rays)/ Sulphonamides Transfusions/	1958* 10 8 36 3 4 9½ 7 6 3½ 11½ 3 4 23 4½ 9 18 42½ 10½ 21	4 12222 1322 13 324 1 13 2 1 13 2 1 1 13 2 1 2 9 32 2 6 2	- 3½ 13 2 10 12 8 - 16½ 1 3 7 ½ 8½ 43 7½	4 4 22 1 1 20 9 1 1 20 9 1 1 6 1 28 3 2 1 1 6 1 3 5 1 46 3 6	1 15½ 19½ 2 21 18 14 3½ 40 3 - 8 1 10 41 2½ 8	1 5 16½ - 2 16 16 12 - 2 5 - 2 3 - ½ 18 47 3 3 3
Drug or therapy	1957 and	1959	1960	1961	1962	1963

Table C136. Fatal therapeutic misadventures due to mistake in drug administration, 1963, England and Wales

Therapeutic misadventure associated with	Nature of misadventure
	Medically administered
Sodium citrate	Sodium citrate given instead of sodium chloride

^{*}Combined total for the two years.

#These are also considered under "Accidents of technique".

Table C137. Fatal therapeutic misadventures due to overdose of drug, 1963, England and Wales

		Cases			Cases			
Drug or combination of drugs	Medically administered	Self administered	Administration not stated	Drug or combination of drugs	Medically administered	Self administered	Administration not stated	
Amylobarbitone		1	2	Migril		1		
Amytal			2	Nembudeine			1	
Aspirin		6	5	Nembutal		6	7	
Barbitone			1	Nembutal and Amytal			1	
Barbiturate	1	14	10	Parstelin		1		
Barbiturate and				Penicillin	1			
alcohol		1		Phenindione			1	
Butobarbitone			1	Phenobarbitone		3	2	
Carbrital		3	6	Quinalbarbitone		1		
Chloral hydrate		2	1	Salicylates			1	
Chloroform		1		Seconal		5	2	
Chlorptomazine and				Sleeping tablets			1	
Welldorm		1		Sodium Amytal		12	11	
Chlorpropamide			1	Sonalgin			1	
Dibistin		1		Sonergan		1		
Diconal	*		2	Soneryl		3	6	
Dihydrocodeine				Soneryl and alcohol		1 .		
bitartrate	S 12 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18		1	Soneryl and				
Dindevan		1		phenobarbitone			1	
Doloxene			1	Soporifics		1		
Doriden		1	1 .	Tuinal	1	9	6	
Doriden and				Tuinal and alcohol		3		
Carbrital		1		Tuinal and promazine		1		
Ethobral			4	Veganin and alcohol		1		
Evidorm			1					
Insulin			1	Total	3	82	81	

Table C138. Fatal therapeutic misadventures due to accident in technique, 1963, England and Wales

Therapeutic misad associated wi		Nature of misadventure
Air embolism	6 cases	Air embolism, air entered veins during operation for removal of cysts from abdominal region of body.
		Air embolism arising in the course of necessary medical and surgical treatment; neonatal hypoglycaemia.
		Air embolism, blood transfusion during operation.
		Air embolism, hysterectomy for uterine fibroids.
		Cerebral air embolus, operation, rheumatic aortic incompetence and mitral stenosis.
		Myocardial infarction due to air embolism due to insufflation of the Fallopian tubes for infertility tests due to fibroids of the uterus.
Anaesthesia	4 cases	Anoxic necrosis of neurones of brain stem due to cardiac arrest due to mediastinal emphysema following perforation of trachea during induction of anaesthesia, and presence of cotton wool in trachea. Generalised demyelinating cerebral sclerosis. Teeth extraction.
		Asphyxia due to the inhalation of nitrous oxide administered for dental extraction
		Bronchopneumonia, appendix abscess and surgical anaesthesia; resuturing of surgical wound necessitated by fatty degeneration and infiltration of tissues of abdominal wall. Resuturing following earlier operation.
		Post operative collapse of lungs due to obstruction of air passages by mucoid secretion consequent on anaesthesia necessitated by operation for uterine prolapse.
Apparatus	2 cases	Acute haemorrhage occurring during dialysis on a kidney machine for traumatic anuria, due to multiple injuries.
		Anoxia and air embolism. Fallot's tetralogy operation. Heart and lung machine broke down.
Diathermy	2 cases	Peritonitis, ruptured urinary bladder, diathermy of bladder lumen.
		Suppurative pyelonephritis, diathermic ulceration of bladder; cancer of bladder.
Infection	5 cases	Infection with tetanus after operation; deformity of foot.
		Meningitis and pulmonary embolism following an infected ventriculography wound; cerebral cortical atrophy.
		Renal failure due to prostatism, toxaemia due to septic phlebitis of left arm following infusion; polycythaemia.

Table C138 - continued

Therapeutic misadv associated wit		Nature of misadventure
Infection - continued		Septicaemia and circulatory failure. Operation wound infection.
		Staphylococcal septicaemia, superficial thrombophlebitis, wound infection; acute stem cell leukaemia. Due to transfusion needle.
njection and intraven therapy	ous 3 cases	Cardiac arrest following the too rapid administration of potassium following upon an operation for a ruptured appendix.
		Pulmonary embolism due to pelvic phlebothrombosis following intra-muscular injection of paraldehyde for depressive psychosis.
		Pulmonary embolus; carcinoma of stomach; transfusion reaction.
leed l ing	I case	Atelectasis neonatorum; haemopericardium consequent upon penetration of the pulmonary trunk by a needle in the course of attempts to resuscitate.
perative	53 cases	
Angiography		Tentorial pressure cone due to cerebral oedema due to malignant cerebral tumour; cerebral infarction due to internal stripping of carotid artery in the course of angiography.
Aortography		Retroperitoneal haematoma due to haemorrhage following aortography.
Arterial resection		Cardio-respiratory failure; gross haemorrhage into peritoneal cavity. Citrate intoxication, transfusions more than twenty pints of blood following resection of leaking abdominal aortic aneurysm.
Biopsy	5 cases	Cardiac failure due to cor pulmonale accelerated by intraperitonea haemorrhage due to needle biopsy.
		Haemorrhage due to accidental puncture of an aberrant pulmonary blood vessel, biopsy; right bronchial carcinoma.
		Haemorrhage, needle biopsy of liver, partial cirrhosis with malignant hepatomata.
		Intraperitoneal haemorrhage, biopsy of liver, mitral stenosis.
		Peritonitis, biopsy; carcinoma of rectum.
Bronchoscopy	3 cases	Asphyxia due to massive intrabronchial haemorrhage from carcinoma of lung following bronchoscopy.
		Haemorrhage due to traumatic rupture of bronchus during bronchoscopy.
		Shock and haemorrhage due to ruptured pulmonary artery due to bronchoscopy, carcinoma of the right lung with metastases.

Therapeutic misadventure associated with	Nature of misadventure
Operative - continued Cardiac catheterisation 2 cases	Cardiac tamponade due to haemopericardium due to puncture of the right atrial wall and aorta during cardiac catheterisation for investigation of mitral incompetence due to old rheumatic carditis.
	Retroperitoneal haemorrhage from femoral artery, catheterisation of heart in congenital heart disease, multiple deformities of heart.
Cholecystectomy	Aspiration pneumonia, choledochojejunostomy following ligation of common bile duct at cholecystectomy for gallstones. Surgeon ligated common bile duct in error.
Enema	Perforation of the rectum due to administration of an enema for constipation.
Gastrectomy	Rupture of liver during external cardiac massage for cardiac arrest after gastrectomy for duodenal ulcer.
Gastrostomy	Uraemia, gastrostomy and traumatic perforation of the oesophagus with left empyema. Diverticulum of the oesophagu and osteo-arthritis of the thoracic vertebrae.
Laparotomy	Operative haemorrhage following laparotomy following chronic pancreatitis.
Mitral valvotomy	Cardiac arrest, myocardial injury; mitral valvotomy.
Nephrectomy 2 cases	Haemorrhage occurring during an operation for nephrectomy, the cause being unknown.
	Uraemia, right hypernephroma of the kidney and surgical remova of the left kidney, removal of wrong kidney.
Oesophago-gastrectomy	Perforated oesophagus, oesophago-gastrectomy, carcinoma of oesophagus.
Oesophagus 21 cases Oesophagoscopy 9 cases	Acute mediastinitis and right bronchopneumonia due to perforation of the oesophagus, impaction of meat and oesophagoscopy.
	Acute mediastinitis following tear of the oesophagus occurring during oesophagoscopy.
	Emphysema due to rupture of the upper oesophagus due to oesophagoscopy; oesophagus ruptured by tube; carcinoma of lower oesophagus.
	Empyema and mediastinitis, perforation of oesophagus by surgical instrument, oesophagoscopy.
	Empyema and pneumothorax, oesophageal perforation, oesophagos- copy for stricture due to peptic oesophagitis and hiatus

Therapeutic misadventure associated with		Nature of misadventure
perative - continued Oesophagus - continued Oesophagoscopy - continued		Mediastinal and paraoesophageal abscess due to perforation of the oesophagus during oesophagoscopy; sore throat and difficulty in swallowing.
		Mediastinitis, traumatic perforation of oesophagus, oesophagoscopy for hiatus hernia.
		Nasal haemorrhage and mediastinitis, perforated oesophagus (operation), osteoarthritis of cervical spine. Bronchoscope and oesophagoscope.
		Purulent pericarditis and pleural empyema due to rupture of oesophagus due to passage of oesophagoscope, hypertension, operation for hernia.
0esophagotomy		Rupture of oesophagus following operation for removal of a dental plate he had swallowed.
Other specified Dilatation	8 cases 2 cases	Toxaemia, empyema of left lung, oesophageal perforation follow- ing dilatation for benign stricture.
		Traumatic rupture of oesophagus during operation of dilatation of oesophagus for achlasia of cardia.
Intubation	6 cases	Asphyxia due to haemorrhage, perforation of aorta; plastic oesophageal tube introduced for complete dysphagia due to carcinoma of oesophagus.
		Carcinoma of oesophagus, perforation of oesophagus by tube.
		Erosion of oesophagus by Souttar's tube, inoperable carcinoma of oesophagus.
		General peritonitis, perforation of stomach wall by oesophageal tube inserted for relief of obstruction.
		Respiratory failure, insertion of oesophageal tube, oesophageal stricture; carcinomatosis, post radiation fibrosis.
		Rupture of oesophagus, passage of Mausseau-Barbin tube, carcinoma of oesophagus.
Not specified	3 cases	Haemorrhage (secondary) due to perforation of oesophagus due to operation for removal of foreign body, swallowed a meat bone.
		Instrumental rupture of the oesophagus, oesophagitis, diaphragmatic hernia.
		Rupture of oesophagus following the procedure of gastric lavage, accidentally sustained.

Therapeutic misadventure associated with	Nature of misadventure
Operative - continued Pneumonectomy 4 cases	Acute anaemia, tear in superior vena cava, operative haemorrhage; carcinoma of right lung.
	Cardiac failure during right pneumonectomy, carcinoma of right lung; blood loss when superior vena cava was cut into.
	Haemorrhage, operative rupture of aorta, cardiac inhibition, myocardial fibrosis, carcinoma of left lung.
	Shock and haemorrhage due to accidental operative haemorrhage, carcinoma of bronchus and pheumonectomy.
Sigmoidoscopy	Pulmonary oedema, operation, perforation of sigmoid colon by sigmoidscope, investigation of rectal bleeding.
Surgical extraction of teeth	Hypostatic bronchopneumonia, cerebral anoxia, operation for extraction of teeth.
Thoraco-laparotomy	Bronchopneumonia, para-oesophageal abscess due to abrasion of posterior wall of oesophagus; exploration for hiatus hernia.
Tracheotomy 2 cases	Haemorrhage from innominate vein during tracheotomy, vein displaced upward by dilated aorta.
	Inhalation of blood due to tracheotomy during surgical operation for carcinoma of larynx.
Miscellaneous operations	
2 cases	Subdural haematoma, operation for endocrine exophthalmos.
	Uraemia due to bilateral chronic renal disease and terminal pulmonary infection, operation on heart.
Post operative 12 cases	
Appendicectomy	Toxaemia, perforation large intestine, stitch abscess round steel wire following appendicectomy; perforated appendix.
Gastric operation	Suppurative bronchopneumonia due to acute diffuse peritonitis and ileus due to leakage round a drainage tube inserted into duodenum following operation on stomach.
Hern1orrhaphy	Haemorrhage due to injury to the inferior vena cava occurring during its ligation due to pulmonary embolism and infarction due to peripheral venous thrombosis following herniorrhaphy.
Hysterectomy	Post operative internal haemorrhage from unsutured vein which was overlooked. Hysterectomy for carcinoma of uterine body; ischaemic heart disease.
Lobectomy	Cardiac tamponade, intrapericardial haemorrhage due to perforation of the wall of the right ventricle by a wire suture becoming accidentally detached following right middle upper lobectomy for bronchiectasis.

Therapeutic misadventure associated with	Nature of misadventure
Post operative - continued Nephrectomy	Acute haemorrhage from unsutured artery, nephrectomy of left kidney for carcinoma.
Oesophageal intubation	Haematemesis, carcinoma of oesophagus, erosion of oesophageal tube through oesophagus.
Pneumonectomy 2 cases	Haemorrhage from pulmonary artery following pneumonectomy for carcinoma of left bronchus. Slipped ligature on pulmonary artery.
	Haemorrhage from the pulmonary artery due to failure of a ligature inserted during resection of left lung for carcinoma.
Prostatectomy	Mediastinitis and bronchopneumonia, oesophageal tear in the post operation period following prostatectomy. (Oesophageal stenosis dilated fourteen days before death). Emphysema.
Thyroidectomy	Cerebral ischaemia, interruption of blood supply to brain from left common carotid vessels following ligation. Right carotid artery injured during operation of thyroidectomy for reticulosarcoma of thyroid.
Packs, swabs, etc. 4 cases	Abscess and osteomyelitis following retained surginal swab following operation for pinning of fractured femur more than a year ago.
	Acute pulmonary oedema due to left ventricular failure due to pulmonary infarction and old myocardial fibrosis associated with multiple intra-abdominal abscesses due to peritonitis from swab left in abdomen during resection of abscesses due to localised diverticulitis.
	Acute staphylococcal bronchitis with acute kidney disease and vesicle fistula, operation swab in bladder, femoral hernia.
	Paralytic ileus following retention of a swab following hysterectomy for multiple fibroids.
Transfusion 3 cases	Cardiac failure, anaemia and exchange transfusion, haemolytic disease.
	Haemorrhage and shock to the head and pelvis accelerated by haemolytic transfusion; knocked down by car.
And the second s	Pulmonary oedema, left ventricular failure following transfusion for rectal polyp, haemorrhagic anaemia and gastro-intestinal bleeding.
Total 95 cases	

Misadventures due to accident in surgical technique (1959-1963)

The deaths grouped under this heading were with few exception assigned to some other underlying cause of death, although mention had been made of an operative procedure as contributing to the fatal outcome. Two only were assigned to surgical treatment E950, and three to injections, infusions and transfusions N998. The therapeutic intervention has thus a variable responsibility for death, and difficulty arises in its assessment both individually at the stage of coding and statistically when tabulations have been prepared.

The number of misadventures must obviously depend upon the number of surgical interventions as one among many contributory factors. The opportunity has been taken of a count made on a sample basis in 1961 of all operations performed in N.H.S. hospitals to express misadventures terminating in death as a proportion of the number of operations performed. The average annual number of fatal misadventures during the five years 1959-1963 has been used in conjunction with the 10 per cent sample of all hospital discharges during the central year, 1961. The limitations of this comparison and the variable concept of misadventure, depending on the hazardous intrinsic nature of the operation and the prognosis of the disease, need to be kept in mind. Operations performed outside N.H.S. hospitals are excluded. as well as operations performed in out-patient departments. It is also evident that some procedures are not normally recorded as operations (enema, transfusion); and it is likely that other procedures are incompletely recorded, having a greater probability of being recorded if anything has gone wrong, or if the procedure needed to be performed in an operating theatre rather than a ward (catheterisation, spinal puncture). Procedures to which these considerations may apply are marked with an asterisk.

Table C139. Therapeutic misadventures due to accidents in surgical technique, rate per 1.000 surgical procedures, 1959-1963, England and Wales

(Rates are based on 10 per cent sample taken in Hospital-In-Patient Enquiry 1961)

G.R.O.*	Operation	. Nu	ımber o	f misa	dventu	res	No. of surgical investi-	No. of surgical opera-	Mis- adventures per
code	operation .	1959	1960	1961	1962	1963	gations in sample	tions	thousand procedures+
005 008	Neurosurgery Excision of intracranial lesion Encephalography and	3 2	3 -	6 2	6 2	1 -	301	1,492 130	0.21 0.92
000	ventriculography	-	-	2	2	1	87	-	1.15
	Operations on endocrine system	1	-	1	-	2	13	1,381	0.06
	Ophthalmic operations	-	-	-		-	12	7,159	- 0.05
245/6	Operations on ear, nose and throat Tracheotomy and tracheostomy	3 3	3 3	3	5 3	2 2	375	7,068 136	0.05 2.06
287	Operations on buccal cavity and oesophagus Oesophagoscopy	5 1	9 7	19 10	17	26 11	706 595	22,548	0.65
288	Dilatation, intubation Thoracic surgery	11	1	6	8 18	11	1,018	1,596	3.39 0.61
304 307	Operations on valves of heart Pericardiocentesis+	2	1 2	2 2	3 2	2 -	-	313	0.51

Table C139 - continued

G.R.O.*	Operation	Nu	mber o	f misa	dventu	ires	No. of surgical investi-	No. of surgical opera-	Mis- adventures
code		1959	1960	1961	1962	1963	gations in sample	tions in sample	thousand procedures
	Thoracic surgery - continued								
319	Cardiac catheterisation, massage,								
	other operations on heart Thoracentesis	1 -	1	2 2	3	4	126	9	1.19
332	Bronchoscopy	_	1	3	6	4	821	77	1.56
338 344	Pneumonectomy (lobectomy etc.)	4	5	5	1	7	-	603	0.73
	Gastro-intestinal and abdominal								
	surgery	20	12	25	21	17	1,316	35,428	0.05
400	Laparotomy	-	-	4	3	1	-	1,958	0.08
402/4	Repair of hernia	-	2	1_	-	1	-	8,808	0.01
422/3	Gastrectomy Appendicectomy	4 2	2	3 2	4	2 2	-	1,874	0.16
441 467	Sigmoidoscopy-	2	1	1	3	1	1.064	11,506	0.01
479	Enema, barium enema	1	2	3	1	1	1,004		0.15
502	Needle biopsy of liver	3	2	4	3	3	28	-	10.7
	Genito-urinary surgery	4	4	4	5	6	4,233	9,532	0.03
606	Nephrectomy	1	1	1	1	3	-	376	0.37
668	Dilatation of urethra	1	7	1	2	-	-	593	0.13
675/7	Prostatectomy	1	1	-	1	-	-	1,997	0.03
	Gynaecological operations	1	4	5	-	5	1,850	19,536	0.01
721/24	Hysterectomy	-	3	1	-	3	-	4,170	0.03
806	Orthopaedic surgery Reduction of fracture with	4	2	4	6	2	218	16,462	0.02
000	fixation	2	-	-	1	1	-	2,147	0.04
	Operations on peripheral blood								
0=4	vessels and lymphatic system	2	2	3	3	3	534	4,673	0.05
951	Blood transfusion	12	11	7	11	9			
	incompatibility air embolism	4 2	1	1	1	1 1			
	serum hepatitis	3	2	1	6	3			
	infected	0	1	1	1	1			
179	excess amount, heart failure	_	1			1	}	•••	
/ (5)	not classified above	3	5	4	2	2			
953	Intravenous transfusion+	1	1	6	1	3			
955	Intramuscular injection	4	1	-	1	1			

^{*} General Register Office: Code of Surgical Operations. H.M.S.O. London, 1956. / See text

Live births, stillbirths and stillbirth rates by age and parity of mother and place of confinement

In England and Wales in 1963 there were 854,055 live births and 14,989 still-births. The tables which follow give details of the distribution of these births by place of confinement, and age and parity of mother. (A more detailed analysis of age and parity is now shown in Tables C143 to C147.) The categories used for place of confinement are:

N.H.S. hospital, i.e. hospitals and homes under the National Health Service, except psychiatric hospitals;

Other hospital, which are mainly maternity homes not under the National Health Service;

Table C140. Deaths by cause and sex according to type of institution, etc., in which they occurred, 1963, England and Wales

	Cause of death	ICD No.	Total d	leaths		s.			ins	hospitation are of t	s for	than in	Othe nstitu		At dece person' hom	s own	In oth priva houses other pl	te and
			М	F	M	F	M I	7	М	F	М	F	M	F	М	F	М	F
	All causes		292,410	280,458	7,558 1	0,671	136 30	1 80	37,464 1	124,857	4,717 9	,940 7	,531 1	1,949 1	.18,589	110,229	16,415 1	2,504
	Infective and parasitic diseases Tuberculosis of respiratory system Tuberculosis, other forms Syphilis and its sequelae Conococcal infection and other	001–138 001–008 010–019 020–029	3,328 2,022 169 485	1,698 587 182 335	133 57 2 42	79 28 7 17	1 1	2 - 1	2,072 1,200 145 259	1,061 359 149 147	25 16 - 4	17 7 4 -	41 24 1 7	18 3 - 6	981 689 19 146	479 178 22 143	75 35 2 27	42 12 - 21
!	venereal diseases Infectious diseases commonly arising in the intestinal tract Other bacterial diseases Spirochaetal diseases, except syphilis Diseases attributed to viruses Typhus and other rickettsial diseases Malaria Other infective and parasitic diseases	040-049 050-064 070-074 080-096 100-108 110-117	43 192 3 352 1 4	25 138 - 344 1 2	4 6 - 21 - 1	3 1 - 20 - - 3		- - 1 - -	29 152 2 235 1 3	20 110 - 225 1 2	- 1 - 4 - -	5 - 1	4 - 4	2 - 7	5 27 1 84 - 1	23 - 82 - - 31	1 6 - 4 - -	4 - 4 - 1
	Neoplasms Malignant neoplasm of buccal cavity and pharynx Malignant neoplasm of digestive organs and peritoneum Malignant neoplasm of respiratory	140-239 140-148 150-159	55,846 978 19,067	47,964 602 18,443	578 7 198	603 5 222	1	13 - 5	30,004 482 9,535	24,042 292 8,677	44 544	24 892	582 28 232	7 320	22,358 400 8,258	18,148 254 7,394	833 17 299	2,097 20 933
	system Malignant neoplasm of breast and genito—urinary organs Malignant neoplasm of other and unspecified sites Neoplasm of lymphatic and haematopoietic tissues Benign neoplasm	160–165 170–181 190–199 200–205 210–229	21,563 7,314 3,099 3,171 304	18,394 3,256 2,581 450	201 81 48 21 6	48 215 62 21 18	1 1 -	7 1	11,330 4,030 1,890 2,231 224	2,213 8,590 1,907 1,812 334	112 53 6	153 1,022 153 80 12	148 122 24 21 6	39 295 32 20 5	9,066 2,747 975 812 57	1,309 7,489 1,000 579 74	338 90 49 32 5	186 776 101 69 7
	Allergic, endocrine system, metabolic, and nutritional diseases Allergic disorders Diseases of thyroid gland Diabetes mellitus Diseases of other endocrine glands Avitaminoses, and other metabolic diseases	240-289 240-245 250-254 260 270-277 280-289	710 108 1,371 142	982 788 2,433 160	16 63 11 5 36 1	129 22 23 63 5	1 1 - -	1 1 - -	282 1,477 283 58 882 101 153	2,696 400 461 1,533 114 188	5 11 13 1 26 -	5 84 13 20 46 -	1 45 9 2 28 3	90 13 16 54 2	43 874 363 39 372 32 68	1,567 482 237 685 38	72 30 3 27 5	5 144 51 31 52 1
														Y.				
	Diseases of the blood and blood-forming organs	290-299	739	1,382	20	31	1	-	490	871	11	20	10	34	196	391	11	35
		290-299 300-326 300-309 310-318 320-326	430 317 12	723 598	150 128 1	260 240 2 18	6 3 -	- 8 4 - 4	160 101 8 51	319 269	3 3 -	24	57 55	20 19 1	53	82 42 14	1 1 -	35 10 4 -
	Mental, psychoneurotic, and personality disorders Psychoses Psychoneurotic disorders Disorders of character, behaviour, and intelligence Diseases of the nervous system and sense organs Vascular lesions affecting central nervous system Inflammatory diseases of central nervous system	300–326 300–309 310–318	430 317 12 101 35,033 32,264	723 598 34 91 51,176 48,076	150 128 1 21 979 785	260 240 2 18 1,394	6 3 - 3 11 8	8 4 -	160 101 8	319 269 14 36 24,124 22,314	3 3 766 707	24 20 3 1	57 55 1	20 19 1 -	53 27 24 13,000	82 42 14 26 18,739 17,990	1 1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 4 -
	Mental, psychoneurotic, and personality disorders Psychoses Psychoneurotic disorders Disorders of character, behaviour, and intelligence Diseases of the nervous system and sense organs Vascular lesions affecting central nervous system Inflammatory diseases of central	300-326 300-309 310-318 320-326 330-398 330-334	430 317 12 101 35,033 32,264 720 1,902 40 2 13	723 598 34 91 51,176 48,076 836 2,098 50 20 84	150 128 1 21 979 785 18 175	260 240 2 18 1,394 1,218	6 3 - 3 11 8 1 2	8 4 - 4 53	160 101 8 51 18,006 16,419	319 269 14 36 24,124 22,314	766 707 12 47	24 20 3 1 2,315 2,174	57 55 1 1 1,628 1,523 28	20 19 1 - 2,862 2,702	13,000 12,242 139	82 42 42 18,739 17,990 151 568	1	10 4 - 6 1,689 1,634
231	Mental, psychoneurotic, and personality disorders Psychoses Psychoneurotic disorders Disorders of character, behaviour, and intelligence Diseases of the nervous system and sense organs Vascular lesions affecting central nervous system Inflammatory diseases of central nervous system Other diseases of central nervous system Diseases of nerves and peripheral ganglia Inflammatory diseases of eye Other diseases and conditions of eye Diseases of ear and mastoid process Diseases of the circulatory system Rheumatic fever Chronic rheumatic heart disease Arteriosclerotic and degenerative	300-326 300-309 310-318 320-326 330-334 340-345 350-357 360-369 370-379 380-389 390-398 400-402 410-416	430 317 12 101 35,033 32,264 720 1,902 40 2 13 92 108,513 52 2,382	723 598 34 91 51,176 48,076 836 2,098 50 2 30 84 105,106 45 4,542	150 128 1 21 979 785 18 175 	260 240 2 18 1,394 1,218 20 150 2 1 3 4,577 1 86	6 3 - 3 11 8 1 2 68	8 4 - 4 53 44 - 9 - 1147 - 2	160 101 8 51 18,006 16,419 518 954 36 2 10 67 36,856 29 1,197	319 269 14 36 24,124 22,314 593 1,093 43 2,11 58 34,320 23 2,329	766 707 12 47 	24 20 3 1 2,315 2,174 27 112 - 1 1 1 3,546	57 55 1 1,628 1,523 28 75 	20 19 1 - 2,862 2,702 34 125 - 1 5,554 1 102	13,000 12,242 139 593 4 -2 20 55,057 18 938	82 42 42 18,739 17,990 151 568 5 20 51,341 19 1,750	1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 4 - 6 1,689 1,634 11 41 - 2 1 5,621 188
231	Mental, psychoneurotic, and personality disorders Psychoses Psychoneurotic disorders Disorders of character, behaviour, and intelligence Diseases of the nervous system and sense organs Vascular lesions affecting central nervous system Inflammatory diseases of central nervous system Other diseases of central nervous system Diseases of nerves and peripheral ganglia Inflammatory diseases of eye Other diseases and conditions of eye Diseases of ear and mastoid process Diseases of the circulatory system Rheumatic fever Chronic rheumatic heart disease	300-326 300-309 310-318 320-326 330-334 340-345 350-357 360-369 370-379 380-389 390-398 400-468 400-402	430 317 12 101 35,033 32,264 720 1,902 40 2,13 92 108,513 52 2,382 83,559 6,602 4,082 2,574 7,420	723 598 34 91 51,176 48,076 836 2,098 50 2 30 84 105,106 4,542 71,256 8,399 6,201 2,901 8,932	150 128 1 21 979 785 18 175 	260 240 2 18 1,394 1,218 20 150 2 1 3 4,577 1 86	6 3 - 3 11 8 1 2 68	8 4 - 4 53 44 - 9 - 1147 - 2	160 101 8 51 18,006 16,419 518 954 36,2 10 67 36,856 29 1,197 24,893 3,411 1,422 1,100 3,441	319 269 14 36 24,124 22,314 593 1,093 43 2,158 34,320 23 2,329 19,954 3,778	766 707 12 47 	24 20 3 1 2,315 2,174 27 112 - 1 1 1	57 55 1 1,628 1,523 28 75 	20 19 1 - 2,862 2,702 34 125 - 1 5,554 1	13,000 12,242 139 593 4 -2 20 55,057 18	82 42 42 18,739 17,990 151 568 51,341 19 1,750 37,021 3,378 3,348 1,425 3,815	1 1	10 4 - 6 1,689 1,634 11 41 - 2 1 5,621
231	Mental, psychoneurotic, and personality disorders Psychoses Psychoses Psychoneurotic disorders Disorders of character, behaviour, and intelligence Diseases of the nervous system and sense organs Vascular lesions affecting central nervous system Inflammatory diseases of central nervous system Other diseases of central nervous system Diseases of nerves and peripheral ganglia Inflammatory diseases of eye Other diseases and conditions of eye Diseases of ear and mastoid process Diseases of the circulatory system Rheumatic fever Chronic rheumatic heart disease Arteriosclerotic and degenerative heart disease Other diseases of heart Hypertensive heart disease Other hypertensive disease Diseases of arteries Diseases of veins and other	300-326 300-309 310-318 320-326 330-334 340-345 350-357 360-369 370-379 380-389 390-398 400-402 410-416 420-422 430-434 440-443 444-447 450-456	101 35,033 32,264 720 1,902 40 2 13 92 108,513 52 2,382 83,559 6,602 4,082 2,574 7,420 1,842 46,870 65 1,442 16,945	723 598 34 91 51,176 48,076 836 2,098 50 2,30 84 105,106 4,542 71,256 8,399 6,201 2,901 8,932 2,830 33,195 64 1,772 19,118 10,500	150 128 1 21 979 785 18 175 	260 240 2 18 1,394 1,218 20 150 2 1,577 1 86 3,443 235 250 97 336 129 2,816 2 171	6 3 - 3 11 8 1 2 - 54 1 1 1 1 1 2 - 27 - 2	8 4 - 4 53 44 - 9 2 112 3 5 5 17	160 101 8 51 18,006 16,419 518 954 36,2 10,67 36,856 29 1,197 24,893 3,411 1,422 1,100	319 269 14 36 24,124 22,314 593 1,093 43 2,329 19,954 3,778 1,789 992 3,547 1,908 15,520 31 318 10,589	766 707 12 47 1,363 1 30 9777 113 46 38 138 20 571 - 21 257 256	24 20 3 1 2,315 2,174 27 112 1 1 1 3,546 85 2,519 289 193 65 349 46	57 55 1 1,628 1,523 28 75 	20 19 1 - 2,862 2,702 34 125 - 1 5,554 1 102 4,072 383 284 162 505	53 27 24 13,000 12,242 139 593 4 -2 20 55,057 18 938 44,920 2,552 2,103 1,153 3,049 324	82 42 42 42 42 42 42 42 42 42 42 42 42 42	1 1	10 4 - 6 1,689 1,634 11 41 - 2 1 5,621 1 188 4,135 339 332 155 363
231	Mental, psychoneurotic, and personality disorders Psychoses Psychoneurotic disorders Disorders of character, behaviour, and intelligence Diseases of the nervous system and sense organs Vascular lesions affecting central nervous system Inflammatory diseases of central nervous system Other diseases of central nervous system Diseases of nerves and peripheral ganglia Inflammatory diseases of eye Other diseases and conditions of eye Diseases of ear and mastoid process Diseases of the circulatory system Rheumatic fever Chronic rheumatic heart disease Arteriosclerotic and degenerative heart disease Other diseases of heart Hypertensive heart disease Other hypertensive disease Diseases of arteries Diseases of veins and other diseases of circulatory system Diseases of the respiratory system Acute upper respiratory infections Influenza Pneumonia Bronchitis	300-326 300-309 310-318 320-326 330-334 340-345 350-357 360-369 370-379 380-389 390-398 400-402 410-416 420-422 430-434 440-443 440-445 450-456 460-468 470-527 470-475 480-483 490-493 500-502	430 317 12 101 35,033 32,264 720 1,902 40 2 13 92 108,513 52 2,382 83,559 6,602 4,082 2,574 7,420 1,842 46,870 6,945 24,832 3,586 7,714	723 598 34 91 51,176 48,076 836 2,098 50 2 30 84 105,106 4,542 71,256 8,399 6,201 2,901 8,932 2,830 33,195 64 1,772 19,118 10,500 1,741 7,667	150 128 1 21 979 785 18 175 	260 240 2 18 1,394 1,218 20 150 2 1,577 1 86 3,443 235 250 97 336 129 2,816 2,263 3,011 79 132	6 3 - 3 11 8 1 2 68 54 1 1 1 2 - 27 2 20 5	8 4 - 4 53 44 - 9 1147 - 2 112 3 5 5 5 17 3 69 8 49 11	160 101 8 51 18,006 16,419 518 954 36 2 10 67 36,856 29 1,197 24,893 3,411 1,422 1,100 3,441 1,363 23,177 27 308 10,289 10,782	319 269 14 36 24,124 22,314 593 1,093 43 2,11 58 34,320 2,329 19,954 3,778 1,789 992 3,547 1,908 15,520 31 318 10,589 3,751	766 707 12 47 1,363 130 977 113 46 38 138 20 571 21 257 258 37	24 20 3 1 2,315 2,174 27 112 - 1 1 1 3,546 - 85 2,519 289 193 65 349 46 856 - 60 509 226	57 55 1 1,628 1,523 28 75 1 1 3,161 1 31 2,347 230 141 76 315 20 1,549 - 160 569 744	20 19 1 - 2,862 2,702 34 125 - 1 5,554 1 102 4,072 383 284 162 505 45 1,885 2 294 1,039 472	53 27 24 13,000 12,242 139 593 4 -2 20 55,057 18 938 44,920 2,552 2,103 3,049 324 18,514 29 823 4,070 12,078	82 42 42 42 42 42 42 42 42 42 42 42 42 42	1 1	10 4 - 6 1,689 1,634 11 41 - 2 1 5,621 1 188 4,135 339 332 155 363 108 989 8 66 397 463
231	Mental, psychoneurotic, and personality disorders Psychoses Psychoses Psychoneurotic disorders Disorders of character, behaviour, and intelligence Diseases of the nervous system and sense organs Vascular lesions affecting central nervous system Inflammatory diseases of central nervous system Other diseases of central nervous system Other diseases of nerves and peripheral ganglia Inflammatory diseases of eye Other diseases and conditions of eye Diseases of ear and mastoid process Diseases of the circulatory system Rheumatic fever Chronic rheumatic heart disease Arteriosclerotic and degenerative heart disease Other diseases of heart Hypertensive heart disease Other hypertensive disease Diseases of arteries Diseases of veins and other diseases of circulatory system Diseases of the respiratory system Acute upper respiratory infections Influenza Pneumonia Bronchitis Other diseases of respiratory system Diseases of the digestive system	300-326 300-309 310-318 320-326 330-334 340-345 350-357 360-369 370-379 380-389 390-398 400-402 410-416 420-422 430-434 440-443 440-445 450-456 460-468 470-527 470-475 480-483 490-493 500-502 510-527	430 317 12 101 35,033 32,264 720 1,902 40 23 392 108,513 52 2,382 83,559 6,602 4,082 2,574 7,420 1,842 46,870 65 1,442 16,945 24,832 3,586 7,714 118 2,964 299	723 598 34 91 51,176 48,076 836 2,098 50 2,098 4,542 71,256 8,399 6,201 2,901 8,932 2,830 33,195 64 1,772 19,118 10,500 1,741 7,667 188 1,661 257	150 128 1 21 979 785 18 175 	260 240 2 18 1,394 1,218 20 150 2 1,577 1 86 3,443 235 250 97 336 129 2,816 2 171 2,263 301 79	6 3 - 3 11 8 1 2 - 54 1 1 1 1 1 1 2 7 - 2 20 5	8 4 - 4 53 44 - 9 1147 - 2 112 3 5 5 17 3 69 - 8 49 11 1	160 101 8 51 18,006 16,419 518 954 36 2 10 67 36,856 29 1,197 24,893 3,411 1,422 1,100 3,441 1,363 23,177 27 308 10,289 10,782 1,771	319 269 14 36 24,124 22,314 593 1,093 43 2,158 34,320 23 2,329 19,954 3,778 1,789 992 3,547 1,908 15,520 31 318 10,589 3,751 831	766 707 12 47	24 20 3 1 2,315 2,174 27 112 - 1 1 3,546 - 85 2,519 289 193 65 349 46 856 - 60 509 228 61	57 55 1 1,628 1,523 28 75 1,523 28 75 2,347 230 141 76 315 20 1,549 1,549 1,549 744 76 569 744 76 54 3	20 19 1 - 2,862 2,702 34 125 - 1 1 5,554 1 102 4,072 383 284 162 505 45 1,885 2 2,94 1,039 472 78	53 27 24 13,000 12,242 139 593 4 -2 2 20 55,057 18 938 44,920 2,552 2,103 1,153 3,049 324 18,514 29 823 4,070 12,078 1,514	82 42 42 42 42 42 42 42 42 42 42 42 42 43 44 44 44 46 46 47 47 47 47 47 47 47 47 47 47 47 47 47	1 1 - 1 643 580 4 580 4 8,008 157 192 123 260 49 1,053 7 51 341 558 96 89 - 25 3 9	10 4 - 6 1,689 1,634 11 41 - 2 1 5,621 1 188 4,135 339 332 155 363 108 989 8 66 397 463 55

	Table CI40 - continued																	
	Cause of death	ICD No.	Total (leaths		sychia lospit		er	in	er hospitstitution care of	ns for the s	ick than		ner Cutions	At dec person hor	s own	In ot privation houses other private of the private	ate and
			М	F	М	F	N.H.	S.	М	F	N.H	.S.	М	F	М	F	М	F
	Diseases of the genito-urinary system Nephritis and nephrosis Other diseases of urinary system Diseases of male genital organs Diseases of breast, ovary, Fallopian tube and parametrium Diseases of uterus and other female genital organs	590–637 590–594 600–609 610–617 620–626 630–637	5,946 1,695 1,707 2,544	4,026 1,484 2,355 - 41 146	141 31 56 54 -	124 39 81 - - 4	# 2 1 1	2 - 2	4,413 1,141 1,355 1,917	2,800 881 1,769 - 37 113	117 27 25 65	95 35 58 - 2	106 15 30 61	70 30 39 - 1	1,094 449 232 413 -	854 458 372 - 2	71 30 8 33 -	81 41 34 - 1
232	Deliveries and complications of pregnancy, childbirth, and the puerperium Complications of pregnancy Abortion Delivery without mention of complication Delivery with specified complication Complication of the puerperium	640–689 640–649 650–652 660 670–678 680–689	111 111	243 93 49 6 59 36	111 111	1 - - 1	111 111			186 69 34 5 49 29		# - 2 - 2	111 111	111 111	111	43 22 9 1 6 5	111 111	9 2 4 - 1 2
	Diseases of the skin and cellular tissue Infections of skin and subcutaneous tissue Other diseases of skin and subcutaneous tissue	690–716 690–698 700–716	136 51 85	247 81 166	7 3 4	21 8 13	1 1 1	1 1	101 38 63	152 46 106	3 1 2	8 2 6	2 2	12 6	21 7 14	48 16 32	-	5 2 3
	Diseases of the bones and organs of movement Arthritis and rheumatism, except rheumatic fever Osteomyelitis and other diseases of bone and joint Other diseases of musculoskeletal system	720-749 720-727 730-738 740-749	649 363 133 153	1,398 1,033 254 111	12 3 7 2	25 11 11 3	1 -		401 222 93	818 557 188 73	14 8 4 2	58 45 9 4	20 10 5	50 44 4 2	195 115 23 57	429 361 41 27	6 4 1	18 15 1 2
	Congenital malformations Certain diseases of early infancy Birth injuries, asphyxia, and	750–759 760–776	2,783 5,600	2,466 3,815	37 6	40		5 -	2,236 5,219	1,980 3,550	28 63	33 37	3	9	406 264	357 186	68 47	42 37
	infections of the newborn Other diseases peculiar to early infancy	760–769 770–776	3,307	2,166 1,649		1	-	-	3,030 2,189	1,976 1,574	43 20	27	1	1 3	194 70	144 42	36 11	18 19
			4		2													
	Symptoms, senility, and ill—defined conditions Symptoms referable to systems or organs Senility and ill—defined diseases	780–795 780–789 790–795	2,173 116 2,057	4,092 102 3,990	62 1 61	176 3 173	-	2 1 1	746 67 679	1,139 50 1,089	2 45	246 3 243	225 1 224	437 4 433	1,023 41 982	1,966 37 1,929	70 4 66	126 4 122
	Accidents, poisonings, and violence (external cause) Railway accidents Motor vehicle traffic accidents Motor vehicle non-traffic accidents Other road vehicle accidents Water transport accidents Aircraft accidents Accidental poisoning by solid and	E800-E999 E800-E802 E810-E825 E830-E835 E840-E845 E850-E858 E860-E866	14,074 215 4,522 67 74 166 34	10,549 27 1,754 8 34 5	172 10 1 -	262 5	11111	3	5,959 53 2,716 41 58 34 4	5,479 2 1,160 6 26 1	66 - 23 2 1	95 - 9 - 2 	45 - 2 	78 - 1 - - -	3.373 1 34 1 5 2	3,193 - 13 - 1	4,455 161 1,737 22 11 130 29	1,439 25 566 2 5 4
	liquid substances Accidental poisoning by gases and vapours Accidental falls Other accidents Complications due to non-therapeutic medical and surgical procedures Therapeutic misadventure and late complications of therapeutic	E870-E888 E890-E895 E900-E904 E910-E936 E940-E946	324 604 2,073 2,410	348 796 3,613 1,388	4 3 73 41 -	1 186 45	2 1	1 -	131 59 1,598 679	94 2,914 601 3	1 1 17 9	1 66 9	2 - 13 10 -	2 56 9	144 454 181 549	188 633 328 481	87 189 1,121	31 65 62 243
233	procedures Late effects of injury and poisoning Suicide and self—inflicted injury Homicide and injury purposely inflicted by other persons (not in war)	E950-E959 E960-E965 E970-E979	7 142 3,307	17 22 2,407	2 6 29 3	20	- 1	1 2	5 85 458	14 17 503	6 5	1 - 6	2 13	9	41 1,917	1 5 1,470	2 884	1 - 397
	Mair) Injury resulting from operations of war	E990-E999	128	121	5	1 1	1 1	-	28	16	1 -	-	3 -	_	43	- 1/3	40	38

		Table CI41.	Deaths	by cause	and se	x, acc	ording	to me	thod of	certifi	cation,	1963,	Englan	d and W	lales					
							Со	roner					Certify	ing medi			ner			
	Cause of death	ICD No.	Total	deaths		Inques n post- ortem	No	post- ortem	wit	-mortem thout quest	Af post-i	ter mortem	Opera menti on de certii	oned	Oth examin menti on decertif	ation oned eath	No exami mentio		Uncert	ified
			М	F	М	F	М	F	М	F	М	F	М	F	М	F	М	F	М	F
	All causes		292,410	280,458	13,009	8,166	3,213	2,652	42,626	28,761	30,939	24,755	3,822	3,785	171	138	197,978	211,718	652	483
	Tuberculosis of respiratory system Tuberculosis, other forms Syphilis and its sequelae Typhoid fever Dysentery, all forms	001-008 010-019 020-029 040 045-048	2,022 169 485 3 21	587 182 335 1 14	102 5 2 - 1	8 1 2 -	14 1 2 -	- - 1 -	367 25 130 1	77 23 144 1 2	235 61 111 - 6	100 70 59 - 3	23 3 6 -	20 5 2 -	2 - 1 -	1111	1,279 74 232 2 13	380 83 127 - 9	- 1 - -	2
	Scarlet fever and streptococcal sore throat Whooping cough Meningococcal infections	050 , 051 056 057	7 15 88	3 21 58	1 - 1	- - 1	- - -	- - 2	3 3 44	1 1 26	1 4 23	- 8 18	- - 1	- -	1 1 1		2 8 18	2 12 11	- - 1	-
234	Acute poliomyelitis Measles Typhus and other rickettsial diseases Malaria All other diseases classified as infective and parasitic	080 085 100-108 110-117 Rem. 001-138	2 62 1 4	1 65 1 2	26	1 - 10	- - - - 6	- - - - 1	2 10 - - 70	10 - - - 52	14 - 1 128	10 - - - 115	11111	- - - 3		- - - - 1	38 1 3	1 44 1 2		- - - - 1
	Malignant neoplasms Benigm and unspecified neoplasms	140-205 210-239	55,192 654	47,224	215 12	46 6	38	16	2,357 120	1,432	7,471 176	5,097 234	2,276	2,727	137 6	109 3	42,685 313	37,781 317	13	16
	Diabetes mellitus Anaemias Vascular lesions affecting central nervous system Non-meningococcal meningitis	260 290 – 293 330–334 340	1,371 558 32,264 212	2,433 1,187 48,076 183	6 4 98 3	3 1 32 2	3 - 13 1	2 11 -	95 23 2,214 45	142 66 3,173 34	192 141 1,930 76	321 213 2,384 78	25 1 8 1	33 1 7 -	- - 1 -	1 2 -	1,046 389 27,960 86	1,934 901 42,427 69	40	2 40
	Rheumatic fever Chronic rheumatic heart disease Arteriosclerotic and degenerative heart disease Other diseases of heart Hypertension with heart disease Hypertension without mention of heart	400-402 410-416 420-422 430-434 440-443 444-447	52 2,382 83,559 6,602 4,082 2,574	45 4,542 71,256 8,399 6,201 2,901	5 26 419 23 18 16	89 13 10	91 2 2 2 3		15 498 23,025 325 604 594	15. 671 11,479 233 618 738	12 406 4,791 557 295 270	18 738 3,251 483 299 205	25 4 1	- 61 19 4 - 2	7 - 1	- 1 5 - -	20 1,435 54,765 5,685 3,155 1,685	12 3,059 56,109 7,648 5,263 1,942	- 2 436 6 6	281 15 9
	Influenza Pneumonia Bronchitis	480-483 490-493 500-502	1,442 16,945 24,832		5 79 348	1 40 26	1 13 53	1 11 6	130 2,667 2,630	93 2,144 1,220	32 2,252 1,777	29 1,834 654	5 10	- 3 -	1 1	1 1	1,273 11,918 19,986	1,646 15,067 8,587	1 10 27	2 18 7
	Ulcer of stomach and duodenum Appendicitis Intestinal obstruction and hernia Gastritis, duodenitis, enteritis, and colitis, except diarrhoea of the	540, 541 550-553 560, 561, 570		1,542 257 1,661	33 4 24	6 1 31	7 - 2	5 6	637 66 393	337 42 414	908 95 420	463	212 36 178	91 29 166	4	1 1	997 98 451	652 103 580	1 - 4	2 1 -
	newborn Cirrhosis of liver Nephritis and nephrosis Hyperplasia of prostate	543, 571, 572 581 590-594 610	1,031 701 1,695 2,479		16 37 5 18	18 17 3 -	2 4 2 3	1 -	218 116 120 202	280 77 106 -	300 174 381 411	419 184 292 -	56 6 4 428	86 5 2 -	- 1 -	2 -	437 364 1,182 1,415	762 335 1,080	2 - 2	1 -
	Complications of pregnancy, childbirth, and the puerperium	640-689	-	243	-	43	-	10		107	-	59	-	-	-	-	-	24	-	-
	Congenital malformations Birth injuries, postnatal asphyxia and atelectasis Infections of the newborn	750-759 760-762 763-768	2,783 2,705 489	2,466 1,753 335	16 3	5 6 1	2 3 -	4 3 1	514 174 92	388 111 82	1,107 1,489 263	945 164	61	58	-	-	1,086 1,018 131	1,129 684 85	5 4 -	5 3 2
	Other diseases peculiar to early infancy, and immaturity unqualified Senility without mention of	769-776	2,406	1,727	10	3	-	1	61	34	690	446	1	2	-	-	1,638	1,228	6	13
	psychosis, ill-defined and unknown causes All other diseases	780-795 Rem. 140-795	2,173 21,255	4,092 25,887	28 602	35 220	14 89	6 58	21 3,819	60 3, 980	24 3,669	24 4,101	403	380	9	11	2,061 12,641	3,946 17,117	23 23	21 20
	Motor vehicle accidents	E810-E835	4,589	1,762	3,803		767	275	10	2	-	-	1	-	-	-	1	-	7	1
	All other accidents	E800-E802, E840-E962	5, 990	6,253	4,250			1,755	157	193	44	33	4	31	-	-	149		23	12
	Suicide and self-inflicted injury	E963, E970-E979	3,308	2,407	2,589		694	430	22	18	1	1	-	-	-		2			-
	Homicide and operations of war	E964, E965, E980-E999	187	127	148	115	14	9	6	3	1	-	1	-		-	17			

At home, i.e. at the usual place of residence of the mother;

Other places of confinement which include all psychiatric institutions, homes for unmarried mothers, remand homes, reception centres, private houses (other than the mother's usual residence), etc.

A set of tables is available for reference at the General Register Office showing numbers of live and still births with a breakdown as in Tables C143 and C144 for individual county boroughs and administrative counties within England and Wales. A copy of these tables, or of a table for a particular area, can be obtained from the General Register Office on payment.

Table CL42. Births by place of confinement, 1963, England and Wales

Place of confinement	Live births	Still births	Total births	per o	births cent by ce of nement*	per	irth rate r 1,000 l births*
N.H.S. hospital	553,287	12,781	566,068	65.1	(62.8)	22.6	(24.1)
Other hospital	26,449	195	26,644	3.1	(3.1)	7.3	(8.4)
At home	259,111	1,841	260,952	30.0	(32.1)	7.1	(7.7)
Other	15,208	172	15,380	1.8	(2.0)	11.2	(13.0)
Total	854,055	14,989	869,044	100.0		17.2	(18.1)

^{*} The figures in brackets are the corresponding figures for 1962.

Deaths in institutions

Table C140 shows numbers of deaths analysed by cause and place of occurrence. The proportion of patients dying in mental hospitals, or other hospitals and institutions for the care of the sick, has increased gradually but consistently from 53 per cent in 1960 to 55.5 per cent in 1963.

Mortality analysis by method of certification

Table C141 shows numbers of deaths in 1963 from various causes according to whether the death was certified by a coroner or medical practitioner or was uncertified, and whether post mortem, operation or other examination was mentioned. In spite of the large increase in the number of deaths in 1963 the proportion in which a post mortem was held rose to 25.9 per cent as against 23.9 per cent in 1962.

Table C143. Live births by age and parity* of mother and place of confinement, 1963, England and Wales

			700			Age of m	other			
Parity o		Place of confinement	All ages	Under 20	20-24	25–29	30-34	35–39	40-44	45 and over
Total	{	N.H.S. hospital Other hospital At home Other	553,287 26,449 259,111 15,208	56,068 2,182 10,865 2,525	179,465 8,518 72,176 7,400	156,753 8,598 94,046 3,844	92,625 4,683 55,303 1,085	50,050 1,962 22,087 302	17,311 478 4,475 48	1,015 28 159 4
0	{	N.H.S. hospital Other hospital At home Other	235,077 9,483 34,227 5,173	37,177 1,239 5,519 1,057	105,796 4,489 17,618 3,118	60,698 2,747 9,061 887	21,903 772 1,690 96	7,762 198 285 11	1,676 37 53 4	65 1 1 -
1	{	N.H.S. hospital Other hospital At home Other	133,255 8,189 97,351 5,547	5,641 232 3,680 433	41,977 2,391 34,067 2,851	47,882 3,304 39,569 1,757	25,037 1,684 16,005 413	10,135 485 3,675 88	2,490 88 347 5	93 5 8
2	{	N.H.S. hospital Other hospital At home Other	64,655 3,970 63,067 1,644	540 16 419 22	12,112 689 13,192 590	21,943 1,423 25,631 677	17,150 1,149 17,083 270	9,602 575 5,911 70	3,138 112 811 14	170 6 20 1
3	{	N.H.S. hospital Other hospital At home Other	32,213 1,642 30,948 449	25 1 31 1	3,436 190 3,682 98	9,598 505 11,196 188	9,686 520 10,114 123	6,675 332 4,949 32	2,655 87 944 7	138 7 32 -
4	{	N.H.S. hospital Other hospital At home Other	17,986 600 13,196 161	2 -	958 41 775 21	4,663 177 4,040 65	5,940 217 4,726 42	4,455 120 2,926 29	1,840 42 701 3	130 3 26 1
5–9	{	N.H.S. hospital Other hospital At home Other	22,975 547 10,865 125	1 - 1	237 8 145 7	3,549 111 2,091 31	7,605 184 4,007 46	7,612 163 3,359 36	3,684 77 1,212 5	287 4 50
10-14	{	N.H.S. hospital Other hospital At home Other	1,216 14 327 3	-	= = = = = = = = = = = = = = = = = = = =	8 - 5 -	173 3 52 1	551 5 153 1	436 6 108 1	48 - 9
15 and over	{	N.H.S. hospital Other hospital At home Other	39 1 5 1	- - - -	1	= = = = = = = = = = = = = = = = = = = =		13 - 1 -	23 1 4 1	2
Illegit: mate	i-{	N.H.S. hospital Other hospital At home Other	45,871 2,003 9,125 2,105	12,684 694 1,213 1,012	14,948 710 2,697 715	8,412 331 2,453 239	5,131 154 1,626 94	3,245 84 828 35	1,369 28 295 8	82 2 13 2

^{*}Parity in this instance means the number of previous liveborn children.

Table C144. Stillbirths by age and parity* of mother and place of confinement, 1963, England and Wales

			100			Age of	mother			
Parity o mother	f	Place of confinement	All ages	Under 20	20-24	25–29	30-34	35–39	40-44	45 and over
Total	{	N.H.S. hospital Other hospital At home Other	12,781 195 1,841 172	954 13 105 20	3,258 48 395 52	3,418 62 520 61	2,608 36 409 28	1,748 28 280 7	749 8 127 3	46 - 5 I
0	{	N.H.S. hospital Other hospital At home Other	4,921 66 306 52	615 8 57 6	1,964 25 126 27	1,367 23 80 3	625 7 30 15	282 2 10 1	65 1 3 -	3 - -
1	{	N.H.S. hospital Other hospital At home Other	2,577 48 461 29	76 1 11 6	661 14 130 11	852 18 177 7	584 8 93 5	307 6 35 -	91 1 15 -	6
2	{	N.H.S. hospital Other hospital At home Other	1,777 28 374 17	10 - 1 1	250 2 70 4	529 11 123 3	522 8 103 3	338 6 59 3	123 1 18 2	5 - - 1
3	{	N.H.S. hospital Other hospital At home Other	1,010 16 232 8	- - - -	79 - 29 1	250 5 53 3	299 6 72 2	253 4 54 2	120 1 22 -	9 - 2 -
4	{	N.H.S. hospital Other hospital At home Other	605 10 148 1	- - - -	18 - 9 -	132 1 33 -	186 3 41 -	167 5 49	95 1 15 1	7 - 1 -
5–9	{	N.H.S. hospital Other hospital At home Other	820 4 168 2	- - -	4	100 1 18 -	251 2 52 1	288 1 57 1	168 - 40 -	9 - 1 -
10-14	{	N.H.S. hospital Other hospital At home Other	59 - 13 -	- - -	-	=	9 - 1 -	24 - 6 -	21 - 6 -	5 - -
15 and over	{	N.H.S. hospital Other hospital At home Other	1 - - -	- - - -	= =		=		1 - -	
Illegiti mate	-{	N.H.S. hospital Other hospital At home Other	1,011 23 139 63	253 4 36 7	282 7 31 9	188 3 36 45	132 2 17 2	89 4 10	65 3 8 -	2 - 1 -

^{*}Parity in this instance means the number of previous liveborn children.

Table C145. Percentage distribution of births for each place of confinement within each age and parity* group, 1963, England and Wales

					Age of	f mother			
Parity of mother	Place of confinement	All	Under 20	20-24	25–29	30-34	35-39	40-44	45 and over
Total {	N.H.S. hospital	65	79	67	60	61	68	78	85
	Other hospital	3	3	3	3	3	3	2	2
	At home	30	15	27	36	35	29	20	13
	Other	2	3	3	1	1	0	0	0
0 {	N.H.S. hospital Other hospital At home Other	83 3 12 2	83 3 12 2	81 3 14 2	83 4 12 1	90 3 7 0	95 2 3 0	95 2 3 0	98 1 1
1 {	N.H.S. hospital	55	57	52	52	58	71	85	89
	Other hospital	3	2	3	4	4	3	3	4
	At home	40	37	42	42	37	25	12	7
	Other	2	4	3	2	1	1	0	-
2 {	N.H.S. hospital	49	54	46	45	49	60	77	86
	Other hospital	3	2	3	3	3	4	3	3
	At home	47	42	49	51	47	36	20	10
	Other	1	2	2	1	1	0	0	1
3 {	N.H.S. hospital	50	43	47	45	48	56	73	78
	Other hospital	2	2	3	2	3	3	2	4
	At home	47	53	49	52	48	41	25	18
	Other	1	2	1	1	1	0	0	-
4 {	N.H.S. hospital Other hospital At home Other	57 2 41 0	100	54 2 43 1	52 2 45 1	55 2 43 0	60 2 38 0	71 2 27 0	81 2 16 1
5–9	N.H.S. hospital	67	50	60	61	65	69	75	84
	Other hospital	2	-	2	2	2	1	1	1
	At home	31	50	36	36	33	30	24	15
	Other	0	-	2	1	0	0	0	-
10-14	N.H.S. hospital Other hospital At home Other	78 1 21 0	-	= =	62 - 38 -	77 1 22 0	78 1 21 0	79 1 20 0	85 - 15 -
15 and over	N.H.S. hospital Other hospital At home Other	85 2 11 2	-	100	-	= = =	93 - 7 -	80 3 14 3	100 - - -
Illegiti-{	N.H.S. hospital	78	82	78	74	74	77	81	82
	Other hospital	3	4	4	3	2	2	2	2
	At home	15	8	14	21	23	20	17	14
	Other	4	6	4	2	1	1	0	2

^{*}Parity in this instance means the number of previous liveborn children.

Table C146. Stillbirth rates per 1,000 total births by age and parity* of mother and place of confinement, 1963, England and Wales

Don't work	Diago of	eginera 1			Age o	f mother			
Parity of mother	Place of confinement	All	Under 20	20-24	25-29	30-34	35-39	40-44	45 and over
Total {	N.H.S. hospital Other hospital At home Other	23 7 7	17 6 10 8	18 6 5 7	21 7 5 16	27 8 7 25	34 14 13 23	41 16 28 59	43 - 30 200
0 {	N.H.S. hospital Other hospital At home Other	21 7 9 10	16 6 10 6	18 6 7 9	22 8 9 3	28 9 17 135	35 10 34 83	37 26 54	44 -
1	N.H.S. hospital Other hospital At home Other	19 6 5 5	13 4 3 14	16 6 4 4	17 5 4 4	23 5 6 12	29 12 9 -	35 11 41 -	61 - - -
2 {	N.H.S. hospital Other hospital At home Other	27 7 6 10	18 - 2 43	20 3 5 7	24 8 5 4	30 7 6 11	34 10 10 41	38 9 22 125	29 - - 500
3 {	N.H.S. hospital Other hospital At home Other	30 10 7 18	- - - -	22 - 8 10	25 10 5 16	30 11 7 16	37 12 11 59	43 11 23 -	61 - 59 -
4 {	N.H.S. hospital Other hospital At home Other	33 16 11 6	- - -	18 - 11 -	28 6 8 -	30 14 9 -	36 40 16	49 23 21 250	51 - 37 -
5-9	N.H.S. hospital Other hospital At home Other	34 7 15 16	- - -	17 - - -	27 9 9	32 11 13 21	36 6 17 27	44 - 32 -	30 - 20 -
10-14	N.H.S. hospital Other hospital At home Other	46 - 38 -		= =	-	49 - 19 -	42 - 38 -	46 - 53 -	94 - - -
15 and over	N.H.S. hospital Other hospital At home Other	25 - - -	- - - -	 	- - - -	-		42 - - -	
Illegiti-{	N.H.S. hospital Other hospital At home Other	22 11 15 29	20 6 29 7	19 10 11 12	22 9 14 158	25 13 10 21	27 45 12 -	45 97 26 -	24 - 71 -

^{*}Parity in this instance means the number of previous liveborn children.

Table C147. Stillbirth rates per 1,000 total births, by parity* of mother and place of confinement, 1963, England and Wales, hospital regions

				LI	igranu a	and Wales	5, 110501	tai reg									
	L. I BANKERY	Wales							Hospit	al regio	ons						
Parity of mother	Place of confinement	England and We	Newcastle	Leeds	Sheffield	East Anglia	North West Metropolitan	North East Metropolitan	South East Metropolitan	South West Metropolitan	Oxford	South Western	Welsh	Birmingham	Manchester	Liverpool	Wessex
Total	N.H.S. hospital Other hospital At home Other Total	23 7 7 11 17	25 9 10 4 19	22 7 7 12 17	26 9 7 7 18	26 11 8 5 17	20 5 5 17 15	21 5 6 19 16	21 12 6 19 16	16 9 6 28 13	21 6 5 17 15	21 7 6 7 16	24 7 9 11 20	26 3 8 13 19	25 4 8 9 19	25 7 7 27 20	23 6 7 3 16
0	N.H.S. hospital Other hospital At home Other Total	21 7 9 10 18	21 10 13 2 20	19 7 5 12 17	22 6 9 5 19	25 9 8 2 18	18 7 6 13 17	18 6 8 35 17	20 8 8 18 19	14 8 7 22 13	18 7 7 33 16	20 7 9 10 18	24 12 10 6 22	24 4 11 20 22	22 6 11 - 20	23 7 10 - 22	20 4 6 4 16
1	N.H.S. hospital Other hospital At home Other Total	19 6 5 5 13	22 6 7 4 16	18 - 5 7 13	22 11 5 7 13	24 8 6 6 13	17 5 2 - 11	18 3 3 9 11	17 3 5 6 11	12 8 5 6 10	20 3 4 - 12	18 4 4 5 12	21 3 6 9 16	21 3 4 2 12	20 4 5 8 14	18 7 5 5 13	22 7 6 - 14
2	N.H.S. hospital Other hospital At home Other Total	27 7 6 10 16	30 4 9 9	26 8 7 - 17	32 7 7 5 17	32 15 7 10 16	24 5 4 58 15	30 7 5 - 17	24 20 4 11 14	15 11 5 26 11	24 8 3 23 14	21 5 9 13	23 9 6 17	33 7 6 18	28 4 6 - 17	31 4 46 19	29 3 5 - 16
3	N.H.S. hospital Other hospital At home Other Total	30 10 7 18 19	35 9 11 13 22	30 22 7 26 20	36 6 22 19	47 10 9 - 22	25 6 8 - 17	29 20 10 - 20	30 27 8 59 19	20 8 4 - 12	20 5 6 - 13	27 23 6 29 18	26 .5 - 17	32 9 - 20	37 - 7 56 22	32 33 6 56 20	32 16 5 - 19
4	N.H.S. hospital Other hospital At home Other Total	33 16 11 6 23	40 - 11 - 25	34 - 8 - 24	41 57 11 - 27	20 23 12 - 16	21 15 - 18	29 - 8 - 20	24 67 3 - 16	31 21 6 - 23	25 7 - 18	20 15 18	33 - 18 71 27	32 10 21	47 14 - 32	41 14 29	28 21 12 - 21
5-9	N.H.S. hospital Other hospital At home Other Total	34 7 15 16 28	36 17 14 - 27	34 250 25 - 32	41 19 16 62 32	33 - 18 - 25	28 . 30 - 28	38 - 4 - 29	35 - 2 - 25	35 3 - 27	42 14 - 33	29 13 24	33 25 - 30	35 12 56 26	40 15 - 31	30 14 - 24	15 28 19
10-14	N.H.S. hospital Other hospital At home Other Total	46 - 38 - 44	88 - 36 - 73	74 - 59 - 72	65 - 62 - 65	11111	42 - - - 35	32 - 91 - 41	28 - - - 22	65 - - - 55	-	34 - 45 - 37	39 - - - 27	36 - 94 - 48	29 - - - 23	54 29 47	37 - - 25
15 and over $\left\{ ight.$	N.H.S. hospital Other hospital At home Other Total	25 - - - 21		>			-		11111	11111	7.1.1			= = = = = = = = = = = = = = = = = = = =	250 - - 167	-	-
Illegitimate {	N.H.S. hospital Other hospital At home Other Total	22 11 15 29 20	20 18 16 - 19	19 - 14 45 18	24 22 12 15 21	16 33 10 20 15	20 20 23 20	19 - 13 30 18	22 24 20 45 22	19 11 17 48 20	20 24 29 17 21	21 19 12 - 19	30 20 24 68 30	21 14 29 20	24 4 11 30 20	29 11 15 162 28	24 12 17 9 22

*Parity in this instance means the number of previous liveborn children.

UNITED KINGDOM

Vital Statistics

The vital statistics of the United Kingdom were discussed in Part III of the Registrar General's Statistical Review of England and Wales for the year 1962. The following Table C148 advances by one year the figures in Table CLV on page 288 of that volume. Further comment will be deferred until a later year.

Table C148. Vital Statistics: 1938 and 1946 to 1963, United Kingdom

	United Kingdom	England	Wales	Scotland	Northern Ireland
Estimated 1	mid-year home	population (in	n thousands)		
1963 { Males Females Persons	26,036 27,637 53,674	21,522 22,839 44,361	1,310 1,352 2,662	2,499 2,705 5,205	705 741 1,446
	Marria	ages(1)			
1963 Persons marrying per 1,000 living	401,142	331,861	19,468	39,658	10,155
1938 1946-50 1951-55 1956-60 1961 1962 1963	17.2 17.5 15.9 15.0 14.9 14.9	17.6 17.7 15.9 15.3 15.0 14.9	16.2 17.4 15.7 15.0 14.9 14.6	15.5 16.9 16.3 16.2 15.7 15.5 15.2	13.4 13.9 13.5 13.5 13.7 14.0
		ths (1)(2)			
1963	990,160	807,017	47,038	102,691	33,414
Per 1,000 living 1938 1946-50 1951-55 1956-60 1961 1962 1963	15.5 18.3 15.7 16.8 17.9 18.3 18.4	15.1 18.0 15.3 16.4 17.6 18.0 18.2	15.3 17.9 15.7 16.2 17.1 17.1	17.7 19.8 17.9 19.2 19.5 20.1 19.7	20.0 22.0 20.8 21.7 22.4 22.7 23.1
	Deat	ths (3)			
1963 Per 1,000 living	654,288	538,105	34,763	65,521	15,899
1931-38(4) 1946-50 1951-55 1956-60 1961 1962 1963	12.2 11.6 11.7 11.0 12.0 11.9	12.0 11.4 11.3 11.5 11.9 11.9	12.9 12.6 12.7 12.4 12.8 12.7	13,2 12.3 12.1 12.0 12.2 12.6	14.4 11.8 11.3 10.8 11.3
Infant mortality	(deaths of in	nfants under on	ne year of age)(5)	
1963 Per 1,000 live births	21,569	16,886	1,156	2,624	902
1938 1946-50 1951-55 1956-60 1961 1962	56 38 28 23 22 22 22 22	53 36 27 22 21 22 21	57 42 33 27 24 25 25	70 47 33 28 26 27 26	75 48 37 28 27 27 27

(1) The marriage and birth rates for 1938 and from 1951 are based on home population, but the 1948-50 aggregates are based on total population.

 (2) England and Wales: occurrences. Remainder: registrations.
 (3) The death rates are based on total deaths and home populations, except that the 1946-49 element in the 1946-50 aggregate is based on civilian deaths and civilian populations.

(4) Here the 1931-38 aggregate is given, since crude death rates in the year 1938 were rather lower than in

(5) England and Wales: for 1957 onwards based on deaths per thousand live birth occurrences; for earlier years based on deaths per thousand related live births. Remainder: based on deaths per thousand births registered.

PARLIAMENTARY AND LOCAL GOVERNMENT ELECTORS

The statistics of parliamentary and local government electors were discussed in Part III of the Registrar General's Statistical Review of England and Wales for the year 1961. The following tables advance by two years the figures given in Tables CLIII, CLIV and CLVI to CLVIII on pages 316-323 of that volume and Tables CLVI to CLXI on pages 290-294 in the corresponding 1962 volume. The percentages which the total parliamentary electorate represented of the estimated total population in the years 1958 to 1963 were:

1958	1959	1960	1961	1962	1963
68.1	67.8	67.5	67.0	66.6	66.2

Table CI49. Parliamentary and local government electors, 1958 to 1963, England and Wales

		Parliamentary	Register		
Register (qualifying date in brackets)	Total at qualifying	Services Register		lectors ncluded 2 and 3)	Local Government Register
uate III brackets)	date	(included in col. 2)	Total	Services (included in col. 4)	ve812 rei
1	2	3	4	5	6
				0000.000 ***	
1958 (10th Oct. 1957)	30,795,834	283, 383	250,464	26,707	30,914,568
1959 (10th Oct. 1958)	30,850,124	274,628	258,688	24,129	30,969,488
1960 (10th Oct. 1959)	30,974,254	279,936	245, 464	25, 435	31,096,735
1961 (10th Oct. 1960)	31,020,479	278,100	250,557	6,466	31,144,715
1962 (10th Oct. 1961)	31,153,107	229,022	240,636	5,903	31,278,504
1963 (10th Oct. 1962)	31,216,583	197,394	271,663	6,726	31, 343, 549

Table C150. Parliamentary constituencies by size, distinguishing county and borough constituencies, 1960 and 1963, England and Wales

England

		Number of cons	tituencies	
Total number of electors at	196	30	19	963
qualifying date	County	Borough	County	Borough
30,000				
35,000	1	10	2	12
40,000	19	11	17	19
45,000	28	45	23	49
50,000	44	71	36	66
55,000	48	62	48	57
60,000	34	39	26	34
65,000	26	25	32	24
70,000	14	22	18	19
75,000	5	1	11	4
80,000 and over	3	3	9	4
Total	222	289	222	289

Wales

Total number of		Number of con	nstituencies			
electors at qualifying date	19	960	1	963		
daniiilii amo	County	Borough	County	Borough		
Under 30,000	1	_	1			
30,000	1	1	1	1		
35,000	4	1	4	1		
40,000	2	1	2	1		
45,000	5	1	5	1		
50,000	6		5	-		
55,000	3	4	4	3		
60,000	3	1	3	2		
65,000	1	1	1	1		
70,000	-	-	-	10 m 10 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m		
75,000 and over	-	-	-1	-		
Total	26	10	26	10		

Table CI51. Local government elections. Percentage of electorate voting in contested elections in urban areas, 1963

			Pe	rcent	age o	f ele	ctora	te vo	ting					Contest	ed elections	
Electorate at qualifying date	Under 25	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75 and over	Total urban areas	Total electorate	Electorate voting	Percenta of electora voting
					Coun	ty bo	rough	ıs								
Under 50,000	-	_	1	2	6	5	2	3	_	_	_	-	1 19	727,376	338,190	46.5
50,000-	_	1	2	1	2	4	5	1	-	-	-	-	16	809,426	373,926	46.2
70,000-	-	-	1	6	5	5	4	-	-	-	-	-	21	1,455,234	636,545	43.7
100,000-	_	-	2	3	9	4	-	-	-	-	-	-	18	2,490,426	1,025,609	41.2
200,000 and over	-	-	1	5	2	-	-	-	-	-	-	-	8	2,953,504	1,111,796	37.6
Total	-	1	7	17	24	18	11	4	-	-	-	-	82	8,435,966	3,486,066	41.3
ENDIAGRA DESTRUCTION														t and one		
			Munic	ipal	borou	ghs a	nd ur	ban d	listri	cts						
Under 5,000	2	5	2	7	21	24	26	19	15	5	14	3	143	409,643	208,944	51.0
5,000-	1	4	5	8	20	17	33	25	19	7	2	-	141	814,593	412,119	50.6
10,000-	4	2	6	16	19	39	37	28	15	2	-	-	168	1,835,023	898,455	49.0
20,000-	1	3	11	13	32	49	38	16	4	-	-	-	167	4,500,749	2,092,712	46.5
50,000 and over	1	3	7	5	6	12	5	-	1	-	1-		40	2,773,860	1,157,930	41.7
Total	9	17	31	49	98	141	139	88	54	14	16	3	659	10,333,868	4,770,160	46.2

Table C152. Local government elections. Percentage of electorate voting in contested rural district elections, 1963, England and Wales and standard regions

			Pe	rcent	tage	of e	lecto	rate	voti	ıg				Contested	elections	
Area	Under 25	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75 and over	Total rural districts	Total electorate	Electorate voting	Percentage of electorate voting
England and Wales England Wales	6 6 –	10 10 -	6 6 -	12 12 -		20 20 -	9 8 1	8 8 -	4 4 -	7 7 -	5 4 1	4 4 -	102 100 2	348,049 346,028 2,021	143,662 142,510 1,152	41.2 57.0
Standard regions: Northerm East and West Ridings North Western North Midland* Midland Eastern+ London and South Eastern Southerm South Western + Wales I (South East) Wales II (remainder)	1 1 2 - 1	- - 1 - 2 3 3 1 -	- 1 - 1 - 2 2 - -	1 1 5 3 2	- 1 2 - 3 1 3 1 -	- 1 3 1 1 7 6 1 -	- 1 1 1 - 2 1 2 - 1	- - 2 1 2 - 2 1 -	- - 1 1 - 1 - 1	- 2 1 - 2 - 1 1 	- - 1 3 - - - 1	2 2 2	- 3 5 14 9 14 22 22 11 1	5,790 24,127 48,203 31,967 39,464 116,769 57,295 22,413 1,421 600	3,074 9,645 22,502 10,766 16,119 48,490 24,529 7,385 723 429	53.1 40.0 46.7 33.7 40.8 41.5 42.8 32.9 50.9 71.5

^{*}Includes the whole of Derbyshire.

Table C153. Local government elections. Percentage of electorate voting in contested elections, 1955 to 1963,

England and Wales

District	1955	1956	1957	1958	1959	1960	1961	1962	1963
Administrative counties	36.5	-	-	33.3	_	-	35.7	-	-
County boroughs	43.8	37.6	40.0	40.3	41.0	35.4	40.6	40.2	41.3
Other boroughs and urban districts	45.0	39.4	44.1	42.9	42.1	40.4	42.3	42.9	46.2
Rural districts	48.2	41.3	45.2	46.2	42.1	37.5	45.0	41.5	41.3
Total	41.6	38.7	42.2	38.6	41.6	38.0	39.5	41.8	43.9

[/]Includes the whole of Essex and Hertfordshire.

[≠]Includes the whole of Dorset.

APPENDIX

FERTILITY RATES BY BIRTH ORDER, ENGLAND AND WALES

Live births per woman married once only at integral marriage durations irrespective of parity

Note. - Figures are rounded and may not add to totals

1962-63

												A	ge at	marriag	е										
Calendar	Marriage duration		All	ages	under	45				Unde	r 20					2	0-24					25-	29		
year of	in com-					-				,	N	umber	of pre	vious c	hildr	en									
marriage	pleted - years	Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more
1962 1961 1960 1959 45 1958	0 1 2 3 4	.348 .296 .280 .263 .234	.337 .216 .119 .078	.008 .075 .140 .134	.002 .004 .018 .043	.001 .001 .002 .006	.001 .001 .001 .001	.500 .350 .340 .308 .275	.492 .218 .106 .065	.008 .128 .201 .162	.001 .004 .031 .071	.000 .000 .001 .009	- .000 .000 .001 .003		.281 .222 .132 .090	.007 .056 .122 .132	.001 .003 .014 .035	.000 .001 .001 .005	.000 .000 .000	.285 .282 .261 .246 .210	.263 .217 .120 .080	.014 .054 .121 .122 .102	.004 .007 .014 .035 .043	.002 .002 .003 .006	.002
1957 1956 1955 1954 1953	5 6 7 8 9	.199 .167 .135 .117 .097	.036 .025 .016 .012	.083 .062 .045 .035 .026	.053 .047 .040 .034 .028	.020 .022 .020 .020	.007 .011 .014 .016	.237 .206 .176 .162 .142	.030 .021 .014 .011	.086 .063 .046 .037	.076 .066 .055 .048	.034 .037 .035 .034	.011 .019 .026 .031 .037	.204 .172 .141 .120 .101	.043 .029 .019 .014	.091 .070 .051 .040	.049 .046 .041 .035 .030	.016 .018 .019 .018	.005 .009 .011 .013	.179 .145 .114 .093 .073	.034 .023 .016 .011	.078 .057 .040 .030 .021	.044 .039 .033 .026 .021	.016 .017 .015 .014	.007 .008 .010 .011 .010
1952 1951 1950 1949 1948	10 11 12 13 14	.083 .066 .059 .046 .038	.006 .005 .003 .002	.020 .014 .010 .007	.024 .018 .016 .011	.016 .013 .012 .010	.018 .016 .018 .016	.134 .109 .106 .084 .075	.007 .004 .003 .003	.023 .016 .012 .009	.035 .027 .026 .017 .014	.029 .024 .023 .019	.040 .037 .041 .037 .035	.049	.007 .005 .004 .003	.023 .016 .013 .008	.026 .020 .018 .013	.016 .013 .013 .010	.015 .015 .017 .015	.059 .043 .035 .025 .018	.006 .004 .003 .002 .001	.01.6 .01.0 .007 .005 .003	.017 .012 .009 .006 .004	.010 .008 .006 .005 .004	.011 .010 .009 .007 .006
1947 1946 1945 1944 1943	15 16 17 18 19	.032 .024 .021 .017 .014	.001 .001 .001 .001	.004 .002 .002 .001	.007 .005 .004 .003	.007 .005 .004 .003	.013 .011 .010 .009	.067 .057 .048 .042 .035	.002	.005 .004 .003 .003	.012 .011 .009 .007	.014 .011 .009 .008 .007	.034 .030 .026 .024 .020	.036 .028 .021 .017	.002 .001 .001 .001	.005 .003 .002 .001	.009 .006 .005 .004	.007 .006 .004 .004	.01.4 .01.2 .009 .008	.01.3 .009 .005 .003	.001 .000 .000 .000	.002 .001 .001 .000	.003 .002 .001 .000	.003 .002 .001 .001	.004 .004 .002 .002
1942 1941 1940 1939 1938	20 21 22 23 24	.01.0 .007 .005 .003	.000 .000 .000	.001 .000 .000 .000	.002 .001 .001 .000	.002 .001 .001 .000	.005 .004 .003 .002 .001	.030 .023 .019 .014 .010	.000 .000 .000 .000	.002	.004 .003 .002 .001 .001	.006 .004 .003 .002	.018 .014 .013 .010	.009 .006 .004 .001	.000 .000 .000	.001 .000 .000 .000	.002 .001 .001 .000	.002	.004 .003 .002 .001 .001	.000		.000	.000	.000	.000
1937	25	.001	.000	.000	.000	.000	.001	.007	-	.000	.001	.001	.008	.000	.000	-	.000	.000	.000	-	-	-	-	-	-

D 6								- 1	962-63	- cont	inued									
61390/1										A	ge at ma	arriage)							
	Calendar	Marriage			30-3	54					35-3	9					40-4	4		
/Dd.125681	year of	duration in completed							1	Number	of prev	ious cl	nildren							1,
681 K.10	marriage	years	Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more
LO 3/66 TCL	1962 1961 1960 1959 1958	0 1 2 3 4	.270 .257 .227 .191 .150	.239 .198 .096 .055	.015 .045 .107 .095 .070	.007 .008 .015 .029	.004 .003 .005 .007	.005 .003 .004 .005	.181 .176 .119 .084 .060	.161 .138 .055 .027 .017	.010 .026 .052 .038 .024	.003 .006 .007 .011 .014	.003 .003 .003 .003	.004 .003 .002 .004 .003	.052 .050 .020 .012 .005	.042 .041 .010 .005 .001	.005 .005 .008 .005 .003	.003 .002 .002 .002 .001	.001	.002 .001 .000 .000
	1957 1956 1955 1954 1953	5 6 7 8 9	.119 .091 .063 .047 .029	.020 .013 .009 .005 .004	.047 .033 .018 .013	.032 .024 .018 .013 .008	.012 .013 .010 .009	.008 .009 .008 .007 .005	.038 .027 .013 .006 .003	.009 .005 .002 .001	.015 .008 .003 .002	.010 .007 .004 .001	.003 .004 .002 .002	.002 .003 .002 .001	- - -	- - -	-	-	=	=
249	1952 1951 1950 1949 1948	10 11 12 13 14	.021 .013 .009 .003	.002 .002 .001 .000	.005 .003 .002 .000	.005 .003 .002 .000	.004 .003 .002 .001	.005 .003 .002 .001	.001			.000	.000 - - - -	.000 - - - -			-		-	
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