

Social Statistics Research Unit

1970 British Cohort Study Twenty six-year Follow-up

Guide to data available at the ESRC Data Archive

Prepared by

Sofia Despotidou
Peter Shepherd

Social Statistics Research Unit
City University
Northampton Square
London EC1V 0HB
Tel 0171-477-8480
Fax 0171-477-8583
Email admin@ssru.city.ac.uk
[http //ssru.city.ac.uk](http://ssru.city.ac.uk)

1970 British Cohort Study (BCS70)

Twenty six-year Follow-up

A Guide to the BCS70 26-year Data

available at the

Economic and Social Research Council Data Archive

**Deposited by: John Bynner,
SSRU, City University**

Document prepared by:

**Sofia Despotidou
Peter Shepherd**

CONTENTS

	<i>Page</i>
Acknowledgements	iii
Preface	iv
Summary of the Data Deposit	v
SECTION 1 INTRODUCTION TO THE 1970 BRITISH COHORT STUDY, WITH PARTICULAR REFERENCE TO THE TWENTY SIX-YEAR FOLLOW-UP	
INTRODUCTION	1.2
BACKGROUND TO THE 1970 BRITISH COHORT	1.2
Outline of the Longitudinal Study	1.2
Availability of Data	1.3
Some Examples of Published Material	1.4
THE BCS70 TWENTY SIX-YEAR FOLLOW-UP	1.4
Rationale and Overall Design	1.4
Tracing	1.7
Survey Instruments	1.8
Data Collection	1.8
Response to the Survey	1.8
Data Processing	1.9
Non-response	1.10
Response Bias	1.10
Further Information on BCS70	1.14
<i>User Support Group/User Group</i>	
Acquiring BCS70 Data for Research	1.14
References	1.15
SECTION 2 USING THE 26-YEAR DATA	
INTRODUCTION	2.2
VARIABLE NAMES	2.2
CLEANING OF THE BCS70 26-YEAR DATA BY SSRU	2.2
Overall Data Cleaning Policy	2.3
Missing Values	2.4
Coding of open-ended questions	2.4
Derived variables	2.6

continued...

CONTENTScontinued

	<i>Page</i>
INTERACTIVE DATA DICTIONARY	2.7
Disk Contents	2.7
Loading the Interactive Data Dictionary from Disk	2.7
Guide to Using the Interactive Data Dictionary	2.8
<i>Starting the Data Dictionary/Conventions/About BCS70/Further Information about BCS70/ About the SPSS Dataset/About ideaList</i>	
LONGITUDINAL LINKAGE TO EARLIER DATASETS	2.13
SECTION 3 BCS70 TWENTY SIX-YEAR FOLLOW-UP ANNOTATED QUESTIONNAIRE	3.1
SECTION 4 APPENDICES	4.1
APPENDIX 1: Summary of Information Collected at Birth, 5, 10, 16 and 26 years	4.2
APPENDIX 2: Publications and Reports	4.7
APPENDIX 3: Coding frames for open-ended questions	4.24
APPENDIX 4: Derived Variables	4.93

Acknowledgements

The preparation for the 1970 Birth Cohort Study (BCS70) was originally laid down in the British Births Study. This was organised and funded mainly by the National Birthday Trust and the Royal College of Obstetricians. The Medical Research Council (MRC) funded sample follow-ups at 22 and 42 months both directed by Dr Chamberlain. Neville Butler directed the 5-year, 7-year, 10-year and subsequently the 16- year follow-ups. John Bynner has directed subsequent follow-ups at 21 years (a 10 per cent sample) and 26 years.

The Twenty-six year Follow-up was funded mainly by a grant from the Economic and Social Research Council, with additional contributions from the Royal Free Hospital and the International Centre for Child Studies.

The following SSRU staff were involved in the design of the survey instrument, and the preliminary analysis of the data: John Bynner, Heather Joshi, Peter Shepherd, Else Ferri, Richard Wiggins, Ingrid Schoon, Mel Bartley, Neville Butler, Scott Montgomery, Kate Smith, Samantha Parsons, and Sofia Despotidou. Denise Brown, Kevin Dodwell, Mary Ukah, Farnaz Farahmand, Alex Gayler, Maryam Ameri undertook the tracing of the cohort members, and the coding of open-ended questions. Kate Smith was responsible for the creation of the SPSS dataset, and initial data cleaning at SSRU; and Sofia Despotidou undertook further checking and updating.

The MORI research organisation undertook the mailing of the questionnaires, their receipt, and checking, and the initial data entry and data cleaning; and Eurodata were responsible for the keying the text of the open-ended questions.

Preface

This document is a guide to the 1970 British Cohort Study (BCS70) Twenty six-year Follow-up. It is designed to accompany the first deposit of data from this survey with the Economic and Social Research Council Data Archive, at the University of Essex. The documentation and data have been prepared by the Social Statistics Research Unit (SSRU) at City University which took over responsibility for BCS70 in 1991.

In Section 1, a short history is given of the whole longitudinal study. This is followed by a more detailed account of the twenty six-year survey begun in 1996. Section 2 provides an in-depth guide to using the 26-year data, outlining amongst other issues, the data cleaning policy, response bias and reliability of specific questions. In Section 3 the annotated questionnaire is reproduced. In Section 4, there are 4 appendices. The first gives a summary of topics available. The second appendix is the list of publications. The third is a coding frame for the open-ended questions.

Everyone is strongly advised to read Section 1 first, as the historical context facilitates a clearer interpretation of the data.

Summary of the Data Deposit

1970 Birth Cohort Study: Twenty six-year Follow-up

Principal Investigator	John Bynner, Director, Social Statistics Research Unit, City University, EC1V OHB.
Original Organisation	City University, Social Statistics Research Unit
Depositor	John Bynner, Director, Social Statistics Research Unit, City University, EC1V OHB.
Documentation	Prepared at SSRU by Sofia Despotidou and Peter Shepherd.
Acknowledgements	Fieldwork, data entry and initial data cleaning: MORI Text entry: Eurodata
Purpose	To review and evaluate young adults' (26 year) health, care, education, social and family environment throughout Great Britain, as experienced by the cohort of children born in the week 5-11 April 1970.
Variables	One survey instrument was used: Self-Completion Questionnaires (Cohort)
Population	Children born 5-11 April 1970.
Sampling Procedures	An attempt was made to trace all children born 5-11 April 1970 through the co-operation of the Driver and Vehicle Licensing Agency, the Family Health Service Authorities and Scottish Health Boards. 56% of the 1970 Cohort were traced and completed one or more survey documents.
Cases (target)	13,475 (those with current address available)
Cases (obtained)	9,003
Method of Data Collection	Self-completion questionnaire (Cohort).
Date of Data Collection	1996

SECTION 1

INTRODUCTION TO THE 1970 BRITISH COHORT STUDY, WITH PARTICULAR REFERENCE TO THE TWENTY-SIX YEAR FOLLOW-UP

INTRODUCTION

1.1 Britain has a unique tradition in conducting longitudinal birth cohort studies. Three continuing studies have been embarked upon. These were in 1946 (National Survey of Health and Development, NSHD), in 1958 (National Child Development Study, NCDS), and in 1970 (the 1970 British Cohort Study, BCS70). Each was launched as a study of antenatal/postnatal service provision, and morbidity or perinatal mortality. All three studies collected information about almost all births occurring nationwide in a target week in 1946 (NSHD, n=13,687), in 1958 (NCDS, n=17,414), and in 1970 (BCS70, n=17,198) respectively. Each study has subsequently carried out multidisciplinary follow-up surveys (or sweeps) on health, education, family and social influences at various ages (Douglas, 1964; Douglas et al 1968; Wadsworth 1979, 1991; Butler and Bonham, 1963; Butler and Alberman, 1969; Davie et al, 1972; Fogelman, 1976, 1983; Ferri, 1993; Chamberlain et al, 1973, 1975; Osborn et al, 1984). The studies present individually and in combination an unprecedented opportunity to investigate the forces and patterns that have shaped and continue to shape the lives of three overlapping generations of people living in Great Britain.

1.2 This document is designed to accompany the deposit of data from the *BCS70 Twenty six-year Follow-up* with the Economic and Social Research Council Data Archive at the University of Essex. The deposit of this data means that the Data Archive now holds data for the complete longitudinal record from birth to twenty six - data from the other BCS70 follow-ups having been deposited some time ago. Data from the 21-year sample survey will be deposited in the near future.

1.3 The present section is in two parts. The first provides details of the background to BCS70 in general, and describes the availability of the data, and some of the publications arising from research using the BCS70 data. The second, focuses on the BCS70 Twenty six-year Follow-up in particular, providing details of the design and conduct of the survey, and the initial data preparation. Later sections provide a guide to using the 26-year data, and annotated copy of the survey instrument employed. An outline of additional data cleaning and documentation undertaken by the Social Statistics Research Unit (SSRU) is also included.

The documentation and data have been prepared by the Social Statistics Research Unit at City University, which is responsible for BCS70, as well as for NCDS.

BACKGROUND TO THE 1970 BRITISH COHORT STUDY

Outline of the Longitudinal Study

1.4 BCS70 began in 1970 when data were collected about the 17,198 babies born in England, Scotland, Wales and Northern Ireland in the week 5-11 April. At this time, the study was named the British Births Survey (BBS) and it was sponsored by the National Birthday Trust Fund, in association with the Royal College of Obstetricians and Gynaecologists. Since 1970, there have been four attempts to gather information from the full cohort - when they were aged 5, 10, 16 and 26 years.

1.5 As Table 1.1 shows, information has been obtained from a number of different sources, and by varying types of instrument. With each successive attempt, the scope of enquiry has broadened from a strictly medical focus at birth, to encompass physical and educational development at the age of five, and physical educational and social development at the age of ten. This wider and more comprehensive approach has been adopted subsequent to the Ten-year Follow-up, namely in the 16-year and 26-year sweeps.

1.6 In the birth survey, information was collected by means of a questionnaire completed by the midwife present at the birth, and supplementary information was obtained from clinical records. The five-year and ten-year follow-ups were carried out by the Department of Child Health, Bristol University and the survey at these times was named the Child Health and Education Study (CHES). On both occasions parents of the cohort members were interviewed by Health Visitors, the children themselves undertook tests of ability, and the school health service gathered medical information on each child. This was supplemented at ten years by information gathered on a questionnaire completed by head and class teachers, and the children had completed a medical examination. In 1975 and 1980, the cohort was augmented by the inclusion of immigrants to Britain who were born in the target week in 1970. Subjects from Northern Ireland who had been included in the birth survey, were dropped from the study in all subsequent sweeps.

The sixteen year follow-up was carried out by the International Centre For Child Studies and named Youthscan. In this sweep, sixteen separate survey instruments were employed, including parental questionnaires, head and class teacher questionnaires and medical examinations. The cohort members completed questionnaires, kept two four-day diaries and undertook some educational assessments.

The twenty six year follow-up was carried out by the Social Statistics Research Unit, City University and it was now called the BCS70 26 year survey.

Table 1.1: BCS70 Follow-ups and sources of information 1970-1996

BBS (1970)	CHES (1975)	CHES (1980)	Youthscan (1986)	BCS70 (1996)
<i>Birth</i>	5	10	16	26
Mother	Parents	Parents School	Parents School	
Medical	Test Medical	Tests Medical	Tests Medical	
		Subject	Subject	Subject
16,135 *	13,135	14,875	11,628	9,003*
98%**	80%	93%	72%	56%

Notes: * Achieved Sample - at least one survey instrument partially completed.
(The figure for the BBS comprises cohort members living in GB known to be alive at the end of one week).

** Per cent response.

1.7 In addition to the five major sweeps shown above, surveys of sub-samples were carried out in 1972, 1973, 1977 and 1991. In 1972 and 1973 the British Births Child Survey took as its subjects three sub-samples; all twins in the original cohort were included as were low birthweight and post-mature births. A random ten per cent sample of the original cohort acted as a control group. The South-West Region Survey, carried out at the age of 3^{1/2} surveyed ninety five per cent of the cohort members who lived in the south west of England and Glamorgan, South Wales. These smaller scale surveys were undertaken in order to bridge what was a large gap in child development terms between birth and five years of age (when the next full sweep was planned). In 1977, an attempt was made to obtain details about those who had not responded in the five-year survey. A postal questionnaire was completed by parents of 1,917 of the non-responders. At age 21 a ten per cent sample survey consisting of 1,600 cases was carried out which focused on adult literacy and numeracy problems in young adults as well as investigating the transition from education to employment.

Availability of Data

1.8 Data for the *birth survey*, the *22-month* and *42-month sample surveys*, the *five-year*, the *ten-year*, and *sixteen-year* follow-ups are already lodged at the *ESRC Data Archive* and are available to the research community for analysis.

1.9 Data for the *twenty-one-year* sample survey are currently being prepared by SSRU, and will be deposited with the ESRC Data Archive upon completion.

A fully documented database containing all BCS70 data, is now being prepared by SSRU and will be made available via the ESRC Data Archive. Until data are generally available in this way, it is possible to obtain data not already lodged with the Data Archive from the SSRU directly - see *paragraph 1.35* below for more details.

Some Examples of Published Material

1.10 Wide-ranging use has already been made of the data arising from the birth survey and the five follow-ups of BCS70. It is not within the scope of this document to review the literature, but it is useful when considering the background to the project to mention some key works. The birth sweep provided a valuable insight into the patterns at that time of obstetric and neonatal care in the United Kingdom (Chamberlain et al 1973, 1975). The birth and five-year findings relating to health were discussed in Butler, Golding and Howlett's (1986) *From Birth to Five: A Study of the Health and Behaviour of Britain's 5-Year Olds*, and general findings from the first two sweeps were also outlined in a book written by Osborn, Butler and Morris (1984). Chamberlain and Simpson (1979) also concentrated on the health data arising from the birth, 22 and 42 month surveys in their book *The Prevalence of Illness in Childhood*. An account of early findings from the 26-year follow-up is given in *Twenty-Something in the 1990s* Bynner, et al. (1997).

1.11 In addition to these general accounts of the findings of BCS70, a number of specific projects have been undertaken in a wide range of fields. In the area of health, investigations have ranged from vision problems (Atkinson and Butler, 1985; Stewart-Brown, 1986) to childhood accidents (Bijur, 1984; Wadsworth et al, 1983a), appendicitis (Barker et al, 1988), breast-feeding (Taylor et al, 1983a, 1984) teenage mothering (Taylor et al, 1983b; Wadsworth et al, 1983b) and much more. Special educational problems and needs have formed the scope of some of the research arising from the BCS70 data. For example, Haslum and Butler (1985) considered the special education needs of ten year olds, and Rodgers (1983) investigated the prevalence of reading retardation. Different forms of social behaviour and their influence on health and development have also been investigated. Rush and Cassano (1983) considered the influence of parental smoking on perinatal mortality; Haslum, Morris and Golding (1984) reported on the diets of Britain's ten year olds; Osborn (1984) considered maternal employment and depression and their influence on child behaviour; and Osborn and Morris (1982) investigated fathers' roles in child care. Osborn and Milbank (1987) showed the longer term value of pre-school education and day-care. A full bibliography of publications and reports arising from BCS70 is reproduced in Appendix 3.

1.12 The data already collected provide a remarkably rich research resource in a large number of areas. Future data collection by means of regular sweeps, and the adoption of an integrated approach to the design and analysis of this study with the 1958 cohort study (NCDS) will present exciting new possibilities and dimensions for research.

THE BCS70 TWENTY SIX-YEAR FOLLOW-UP

Rationale and Overall Design

1.13 The *BCS70 Twenty six-year Follow-up* is the fourth full national follow-up of the 1970 cohort born in Great Britain 5-11 April 1970. The cohort has been surveyed comprehensively at birth, five, ten, 16 and 26 years, and samples were seen at 22 months, 42 months, seven and 21 years. The *BCS70* was originally titled the *Child Health and Education Study* (CHES), but in 1991 the whole 1970 Cohort Study was renamed the British Cohort Study 1970 (BCS70) and the twenty six-year sweep became known as BCS70 Twenty six-year Follow-up.

1.14 A number of considerations influenced the development of the survey instrumentation used for the BCS70 Twenty six-year Follow-up.

The 70's and, particularly, the 80s in Britain were periods of massive social, economic and political transformation. The standard transition from school to work, which up until the end of the 1960s two thirds of young people made at the age of 16, was replaced ten years later by one in which only one third were leaving school at the minimum age. And most of those who did leave then went into training schemes rather than jobs.

The cohort born in 1970 were, at 16, still leaving education in large numbers - less than half were staying on - but they faced a labour market where youth employment was fast disappearing. In place of jobs were a variety of training schemes brought together by the Government's Manpower Services Commission, under the general heading of the Youth Training Scheme (YTS). As social security benefits were still available to young people at the time - they were terminated in 1988 - unemployment was also an option. The lucky ones - mainly in the south of England - got the few jobs that were still available to young people.

(a) ***Changes in the labour market:*** The origins of these transition problems are not difficult to see. With the advent of computer-based information technology, the nature of employment had been rapidly transformed. Much unskilled work in manufacturing had disappeared, and new kinds of skill were increasingly in demand from employers. Coupled with the economic recessions of the early 1980s, and with fierce competition from the rapidly growing economies of Asia, much traditional manufacturing industry collapsed, and the traditional industrial heartlands of Britain experienced unemployment on an unprecedented scale.

Early Government attempts to combat youth unemployment, such as the Youth Opportunities Programme (YOPs), were premised as much on a perceived need to keep young people off the streets, as on a commitment to promoting and facilitating fundamental changes in their employability. In 1981, a Government White Paper, the *New Training Initiative*, heralded a quite new approach, whereby the new technological skills that industry was now demanding would be supplied to potential employees through training schemes. These replaced the traditional apprenticeships, which tended mainly to be done by boys, and had been seen for some time to be getting increasingly out of date, typically being labelled as 'time serving'. Youth training in the 80s, directed at the whole annual cohort of 600,000 school leavers, went through a variety of forms, before it finally terminated in 1988 as a national scheme, and was handed over to the locally based Training and Enterprise Councils (TECs). In 1994, yet another development was announced, the modern apprenticeship, which re-established the traditional means of training young people for jobs, but through a much shortened two year period of work-based training combined with education.

The whole training initiative heightened awareness of the need for 'up-skilling' the population, and extended into the education system itself. The National Council for Vocational Qualifications (NCVQ) was set up in 1988 to rationalise the myriad vocational qualifications that had been offered until then, and a national curriculum was established in Britain for the first time, in which 70 per cent of the subject matter taught in schools was laid down by Government.

These British labour market initiatives cannot be seen in isolation from a worldwide transformation of economies, and the ways of producing goods and services and generating wealth. The defining feature of these globalising pressures is one of accelerating technological change. For the worker, however, its main consequence is felt in terms of ever-increasing uncertainty and risk (Beck, 1986). In place of the standard patterns of entry to adult life dictated by such structural factors as class, gender, ethnicity and locality, for a generation born in 1970 the routes to adulthood were becoming more *individualised*. Young people were having to 'navigate' their way through a range of education, training and early employment options, trying all the time to insure their future against the risk of short-term or continuing unemployment (Evans and Furlong, 1997). The consequence was a general extension of the transition to employment, with a moratorium on full-time permanent work extending well into the twenties for large numbers of young people.

To find their secure niche, or series of secure niches, in the labour market, young people were under increasing pressure to acquire qualifications and a range of new skills, to make them attractive to employers. This meant that those who failed to acquire these elements of 'human and social capital', became increasingly *marginalised*. The financial journalist Will Hutton refers to '30/30/40' societies, in which as much as 40 per cent of the population are permanently in a half-way house of casual jobs or continuing unemployment (Hutton, 1995).

(b) ***Family and social policy:*** But it is not only changes in the economy and in the labour market which impacted upon those born in 1970. Increasing polarisation in advanced industrial societies challenged every element of family life and citizenship. The instability and insecurity which characterised the world of work were echoed in the personal and social domains. Relationships based on choice and emotional commitment were becoming both more diverse and more transitory. New patterns of shared living, family formation and family structures challenged traditional concepts of adult partnerships, parenthood and family life. Living together before marriage, and prior to having children, was becoming the norm. The increasing fragility of adult partnerships - whether cohabitations or marriages - was resulting in growing numbers of children being brought up in single parent households, or in often complex new family settings involving step-parents and step-siblings.

In the area of social policy, the election of the Conservative government under the leadership of Margaret Thatcher began a steady process of privatisation in the fields of education, health and welfare. This has introduced the concept of market forces as pivotal into many areas in which the principle of public service, embodied in the Welfare State, had become more or less taken for granted. The result has been an erosion of communal responsibility for providing, or guaranteeing, social and economic welfare, with increasing emphasis laid on individual responsibility in coping with hardship. For those without the resources to shoulder such responsibility, for themselves, their families and their dependent children, there is a clear threat to their welfare and well-being, and their ability to participate fully in the new social order. Universal provision has given way to the need for 'safety nets' and targeted help - drawing even more attention to the dependency of those relying on them. At the same time, sustaining unemployment at levels unthinkable in the two decades following the war places a continuing tax burden at ever-increasing levels on those in work. Middle class reactions to this - tax revolts - from California to Sweden have added to the political tensions - drawing out in starker contrast than perhaps ever before the difference between the solutions offered by the corporatist, broadly social democratic solutions of Western Europe, and those of US-inspired free market capitalism. The latter's manifestation in the 'politics of contentment' (Galbraith, 1992) is challenged by the growing problems associated with disadvantage, poverty and crime.

(c) ***Identity, lifestyle and politics:*** Other changes were occurring in the ways young people formed their adult identities. In leisure life, they came under pressure, especially through the mass media, to adopt a lifestyle and identity shaped increasingly by their role as consumers rather than as producers - the dominant influence of the past. In place of the adult workplace and the occupations that went with it, attitudes, values and norms were informed increasingly by television and the other media. The role of parents as arbiters of behaviour became replaced by the peer group. Broader issues associated with lifestyle also arose in connection with health - with sexually transmitted diseases such as Aids, as well as drug and alcohol-related problems, casting a shadow over the whole decade of the 1980s. At the same time 'healthy living' became a clarion call with the major 'Health of the Nation' initiative, established in 1992.

Inter-group hostility and conflict, especially directed at ethnic minorities, was another growing, if not new, menace throughout this period. The mobility of populations, brought about by the political upheavals in Eastern Europe, was accompanied by increasing signs of emergent fascism, to which young people in Britain were not immune. At the same time, these worrying developments need to be set against counter trends, such as the vehement anti-racism, and commitment to new political programmes such as the Green movement, which were also prominent, especially among the young. There were signs that the traditional Party allegiances passed on from parents to children were losing their salience, with issue-based politics - ranging from anti-roads protests to animal rights - attracting allegiance instead (Banks et al., 1992). Set against these varying signs of 'new politics', however, was the other dominant feature of the period - apathy towards the political process and cynicism about politics and politicians, concentrated particularly among the less educated (Bynner and Ashford, 1994).

Another area where passions ran particularly high was the relations between the sexes. The politics of feminism, which dominated much of the 80s, transformed the way young women, particularly, saw their roles. Their subsequent better resilience to labour market changes, their move away from traditional 'female' subjects at school, and their heightened career aspirations were said to have produced a 'genderquake' (Wilkinson, 1994). But how far such shifts in male-female relations impacted on all areas of life, especially at home, remains much more debatable. At the time the young women born in 1970 were facing these choices, the great majority of women were still mixing family care and (part-time) work through a part of their adult lives, and were taking on most of the domestic responsibilities at home in a way still unknown to the vast majority of men.

Tracing

1.15 The continued success of longitudinal studies like BCS70, is dependent on knowing the whereabouts of the study subjects. For the purposes of the follow-ups in 1975, 1980 and 1986, the cohort members were traced mainly through schools, and no effort was made to maintain contact in the intervening years. Following the 1986 survey, it was no longer possible to trace the 16,000 cohort members anew in this way, and after responsibility for the study was assumed by SSRU in 1991, efforts were made to maintain contact with those for whom a current address was still available, by mailing an annual birthday card. This was designed to give cohort members feedback about the use of information they had already given, and to advise them of plans for future surveys. It also provided an opportunity to confirm address details and other helpful information. As a result of these efforts, information about the current whereabouts of some 9,000 of the 16,000 BCS70 cohort members was available at the time that preparations for the 1996 follow-up began in January, 1996.

1.16 In an attempt to increase the number of current addresses, and thereby maximise response to the 1996 follow-up, a special tracing exercise was begun at that time. This was based on earlier, very successful, experience gained with tracing members of the 1958 cohort, but was more restricted in scope because of resource and time limitations. Sources of additional address information used during the tracing exercise included late returns to the 1995 birthday card, and early returns to the 1996 card which enabled confirmation and/or updating of existing information. Valuable address information was also obtained from a postal screening of the BCS70 cohort which was already underway as part of a study of inflammatory bowel disease, being carried out in collaboration with the Royal Free Hospital, London. This collaboration also enabled both projects to benefit from an approach to the Driver and Vehicle Licensing Agency, who agreed to mail tracing letters to cohort members identified by them on their address database. The administrative work at SSRU was carried out by a small tracing team, who also undertook tracing of cohort members for whom other methods failed. These efforts relied on information taken from BCS70 records, and required extensive use of the telephone, and the mailing of tracing letters. Latterly, after considerable work by Professor Neville Butler, it also proved possible to match many other untraced cohort members on the address records of the Family Health Service Authorities in England and Wales, and the Health Boards in Scotland.

1.17 This special tracing exercise ensured that throughout the first six months of 1996, there was a stream of information confirming and/or updating the information on the BCS70 address records. By the end of June 1996, information was available about the current whereabouts of an additional 4,500 cohort members and was already being used for the postal survey. A total of some 13,500 potential respondents were therefore available for the survey, leaving 2,500 cohort members whose whereabouts remained unknown.

Survey Instruments

1.18 The *BCS70 Twenty-six year Follow-up* made use of a single postal questionnaire, "Where Are You Now?". This was developed by the cohort studies research team at SSRU, in consultation with those who had been involved with the design and analysis of earlier BCS70 sweeps, and those familiar with the 1958 National Child Development Study (NCDS). It was based on survey instruments used for the 23 and 33-year NCDS follow-ups and the BCS70 1992 Sample Survey, and was designed to provide details of the views and current circumstances of the cohort member in a number of key areas, plus more limited information on their experiences since the last follow-up in 1986. Successive drafts of the questionnaire were piloted on groups of young people of approximately the same age as the cohort members. The final 16-page version included questions concerning: qualifications and skills; training; employment and earnings; unemployment and periods out of the labour market; relationships, marriage and children; housing and household; health and health-related behaviour; and the views of cohort members about topics such as law and order, politics, jobs, and marriage and family.

Data Collection

1.19 The survey was conducted between April and September, 1996. Questionnaires were mailed to all cohort members for whom a current address was available as a result of the tracing exercise described above. It was undertaken by the MORI research organisation who were responsible for the printing and distribution of questionnaires, the receipt of completed or returned questionnaires and the mailing of reminders.

1.20 Because of the nature of the tracing exercise described above, the mailing of questionnaires was carried out in three batches. The first, mailed in early April 1996, comprised all cohort members traced at that date through the birthday card, the Royal Free screening, the Driver and Vehicle Licensing Agency, and the other activities of the SSRU tracing team - some 9,803 individuals. The second, mailed in early May 1996, comprised all those cohort members newly traced by these same means - some 1,380 individuals. The third, mailed in early July, 1996 comprised again those newly traced, including for the first time those matched on the records of Family Health Service Authorities and Scottish Health Boards - some 2,291 individuals. All questionnaires were accompanied by a covering letter explaining the purpose of the survey.

1.21 For each batch, reminders were sent to those addresses for which there had been no response after 2-3 weeks. A second reminder was sent to those addresses from which there had still been no response after a further 3-4 weeks. The first reminder consisted of a letter only; the second included a further copy of the questionnaire.

Response to the Survey

1.22 As Table 1.2 shows, questionnaires were returned by 77 per cent of those mailed in the first batch - a very encouraging response. Response to batches two and three was less good, but this was perhaps not surprising, given that these cohort members include many who were traced for the first time in ten years. It is also possible that some of the address information was incomplete, inaccurate or out of date, especially that derived from the records of the Family Health Service Authorities and Scottish Health Boards. The table shows some direct evidence of this, and it is likely that these reasons also account for a large number of those for whom there was no response.

1.23 Overall, questionnaires were returned from two-thirds of those targeted.

Table 1.2 Survey response

Survey outcome	Batch 1*		Batch 2		Batch 3		All	
	n	%	n	%	n	%	n	%
Fully complete questionnaire	7382	75	666	48	750	33	8798	65
Partially complete questionnaire	172	2	20	2	13	1	205	2
Refusal	24	<1	12	1	19	1	55	<1
Cohort member dead	4	<1	0	-	2	<1	6	<1
Incomplete address	0	-	0	-	2	<1	2	<1
Other (cohort member away, etc)	45	1	8	1	3	<1	56	<1
No response to mailing	2160	22	666	48	1478	65	4304	32
Questionnaires mailed	9803	100	1380	100	2291	100	1347	100

5

***Batch 1:** April, 1996 - All those traced by the birthday card, Royal Free screening, Driver and Vehicle Licensing Agency, and the SSRU tracing team.

Batch 2: May, 1996 - All those newly traced by the birthday card, Royal Free screening, Driver and Vehicle Licensing Agency and the SSRU tracing team.

Batch 3: July, 1996 - All those newly traced by the birthday card, Royal Free screening, Driver and Vehicle Licensing Agency, and the SSRU tracing team; plus those matched on Family Health Service Authority/Scottish Health Board records.

Data Processing

1.24 Completed questionnaires were returned by cohort members to MORI, who were responsible for a preliminary visual edit agreed with SSRU. Following data entry of all pre-coded information, a preliminary computer edit (again agreed with SSRU) was carried out by MORI to check that data was valid (i.e. single-coded, 0-9), and within range (i.e. as specified in the questionnaire).

1.25 Following completion of the computer edit by MORI, all questionnaires were passed to another contractor, Eurodata, who keyed the text of responses to open-ended questions, including reported qualifications, details of occupation, and health conditions. Unedited and edited data, together with all completed survey instruments, were subsequently passed to SSRU for further processing. This included: the coding of qualifications, occupation, and health data; further computer editing to ensure that data were consistent; establishment of a clean and documented cross-sectional data base to facilitate the early analysis reported here; and linking of the new sample survey data with that from earlier BCS70 follow-ups to establish a longitudinal data base to permit more detailed longitudinal analysis, including the response analysis reported in elsewhere in this document.

1.26 Qualifications were coded using a scheme based on that used for recent NCDS follow-ups, but because of an improved approach to the survey also provided information on each qualification identified. Occupation was coded using Computer-assisted Standard Occupational Coding (CASOC), developed by the Institute for Employment Research at the University of Warwick. This provides codings for the current standard occupational classification, socio-economic group, and social class, as well as other occupational classifications, such as KOS, CODOT, and Hope-Goldthorpe. Health conditions were coded using the International Classification of Diseases...

Non-response

1.27 In an effort to clarify the reasons for non-response, and to encourage the remaining potential respondents to complete and return the questionnaire, telephone follow-ups were carried out on two samples during the course of the survey:

SSRU telephone follow-up - at the end of June, SSRU staff spent some time seeking to make telephone contact with a sample of those from whom no questionnaire (or other reply - eg: refusal, gone away, etc) had yet been received. Efforts focused on those included in the initial mailing sample (Batch 1).

A sample of 300 was selected from a list of non-responders supplied by MORI, and 104 of these contacted (making telephone contact is not always easy during the working day, as the tracing exercise has already demonstrated. The outcome of this exercise is summarised in Table 1.3 below.

MORI telephone follow-up - in August, MORI undertook a similar follow-up of non-response through their telephone survey subsidiary *On-line*. On this occasion, some 112 cohort members with known telephone numbers were randomly selected from the list of non-responders to the second mailing (Batch 2). Further details of the outcome of this exercise are also summarised in Table 1.3 below.

Table 1.3 Telephone follow-ups of non-response

Outcome	SSRU (June, 1996)		MORI (August, 1996)	
	n	%	n	%
Initial sample	300	-	112	-
<i>Of which:</i>				
Contacted	104	100	93	100
<i>Of which:</i>				
Questionnaire already received, but not yet returned	27	26	28	30
Questionnaire lost or damaged	5	5	4	4
Questionnaire not received	11	11	16	17
Other	13	13	6	7
Refusal of all further co-operation	9	9	3	3
Refusal of co-operation with this survey	5	5	6	7
Gone away, etc	17	16	17	18

Where appropriate, individuals were encouraged to return completed questionnaires, or new questionnaires despatched.

Response bias

1.28 Although a generally acceptable response rate has been achieved, anything less than a perfect response raises the question of whether those who completed a questionnaire are representative of the sampled population - in this case, the cohort members living in Great Britain (England, Wales and Scotland) for whom SSRU had a current address. This issue has been explored by exploiting a possibility only available to longitudinal studies: comparison of the achieved sample - those cohort members who returned a questionnaire - with the target sample - the cohort at birth, and in subsequent follow-ups.

1.29 Comparisons between the achieved sample and the target sample have been extensive. They are based on variables selected from the earlier BCS70 follow-ups. The variables chosen include many relating to demography, education, literacy and numeracy problems, social and economic circumstances, financial problems, the family and relationships, housing and household, and health.

1.30 Table 1.4 reports on just some of the comparisons made. It contrasts the characteristics of the target sample and those of the achieved sample for the 1996 follow-up, using a range of variables selected to represent the areas identified above. The absolute difference between the target and achieved samples, and the percentage bias are reported for each variable, indicating the extent of the difference between the cohort and the sample. For this table percentage bias is calculated as follows:

$$((\text{Per cent in the achieved sample} - \text{Per cent in the target population}) / \text{Per cent in the target population}) \times 100$$

A negative percentage bias indicates under-representation in the 1996 follow-up, and a positive percentage bias shows over-representation. When looking at the contrasts for variables taken from the 1975, 1980, and 1986 follow-ups it is important to remember that the target percentage will itself reflect differential response to these surveys.

1.31 Nevertheless, the analysis provides an important, and generally encouraging, insight into differential response. Absolute differences between the sampled population and the achieved sample are, on the whole, small and this is reflected in many of the figures for percentage bias. However, small absolute differences can result in a relatively large figure for percentage bias where the percentage in the sampled population is small. Levels of statistical significance are not reported, but it should be noted that, in samples of this size, tests of statistical significance are sensitive to very small differences. In general, the achieved sample does not differ greatly from the sampled population.

1.32 Overall, it appears that men, those born outside Britain, and those with minority ethnic background are under-represented in the BCS70 1996 follow-up. This also holds for those born to single mothers, teenage mothers, and unemployed fathers; as well as for those with low school achievement; those with a disability, those who have been in care, those with origins in the lower social classes, those who grew-up in families with financial problems, and those who have experienced poor housing conditions.

1.33 Perhaps not surprisingly, this picture is similar to that emerging from the analyses of differential response to other surveys, and especially the NCDS follow-ups.

1.34 Finally, it is important to note that this analysis of differential response reveals that those reporting problems with reading, writing and mathematics at school are under-represented in the achieved sample for the 1996 follow-up survey. This is an unavoidable consequence of the postal survey method.

Table 1.4 Response bias - comparison with earlier BCS70 follow-ups

	<i>Target</i>	<i>Achieved</i>	<i>Difference</i>	<i>Bias</i>
	%	%	%	%
Male respondents	51.1	45.6	-5.5	-10.76
<i>1970 Birth Survey</i>				
Mother born outside Britain	8.1	6.8	-1.3	-16.05
Father born outside Britain	8.7	7.1	-1.6	-18.39
Mother completed education aged less than 15 years	5.9	6.3	+0.4	+6.78
Father completed education aged less than 15 years	7.6	6.9	-0.7	-9.21
Teenage mother	8.7	7.9	-0.8	-9.20
Single mother	4.1	3.5	-0.6	-14.63
Premarital conception	8.1	7.8	-0.3	-3.70
Twin at birth	2.0	1.9	-0.1	-5.00
Father's social class - Manual	64.1	61.6	-2.5	-3.90
Father unemployed	3.0	2.5	-0.5	-16.67
<i>1975 Follow-up</i>				
Child's ethnic group - West Indian	1.0	0.7	-0.3	-30.00
Parents have no educational qualifications	38.0	34.7	-3.3	-8.68
Mother aged over 40 years	2.3	2.1	-0.2	-8.70
Child living with both natural parents	91.5	92.5	+1.0	+1.09
Mother and child ever separated for one month or more	4.5	3.9	-0.6	-13.33
Father's social class - Manual	63.1	60.2	-2.9	-4.60
Weighed under 5lbs at birth	6.5	6.1	-0.4	-6.15
No congenital abnormality	93.2	92.9	-0.3	-0.32
No disability	93.8	93.9	+0.1	+0.11
Family has moved 3 or more times since 1970	9.8	9.1	-0.7	-7.14
Accommodation is crowded (> 1 person/room)	16.5	14.4	-2.1	-12.73
Accommodation rented privately	5.0	4.8	-0.2	-4.00
Social rating of neighbourhood - Poor	5.8	5.1	-0.7	-12.07

continued...

Table 1.4 Response bias - comparison with earlier BCS70 follow-ups (continued)

	<i>Target</i> %	<i>Achieved</i> %	<i>Difference</i> %	<i>Bias</i> %
<i>1980 Follow-up</i>				
Has great difficulty with mathematics	3.6	3.1	-0.5	-13.89
Has great difficulty with reading	3.1	2.4	-0.5	-22.58
Has great difficulty with writing	2.4	2.2	-0.2	-8.33
Child has lived with the same parents since birth	87.3	88.3	+1.0	+1.15
Child has lived with only one parent	15.9	14.6	-1.3	-8.18
Child living in residential institution	0.6	0.5	-0.1	-16.67
Father's social class - Manual	52.5	50.1	-2.4	-4.57
Family receives Supplementary Benefit	8.4	7.2	-1.2	-14.29
Has a disability	7.6	7.2	-0.4	-5.26
Child has never smoked	74.6	75.8	+1.2	+1.61
Family lived at 4+ places since 1975	13.3	13.2	-0.1	-0.75
Accommodation rented privately	3.0	2.7	-0.3	-10.00
<i>1986 Follow-up</i>				
Child born outside Britain	2.3	2.0	-0.3	-13.04
Pupil's reading ability impaired	8.1	4.9	-3.2	-39.51
Child assessed as top of academic ability range	5.4	6.2	+0.8	+14.81
Child wishes to stay at school to take 'A' levels	45.7	48.0	+2.3	+5.03
Child lives with natural parents	81.7	82.2	+0.5	+0.61
Child has been "in care"	1.3	1.0	-0.3	-23.08
Child wants to leave home as soon as possible	5.2	4.6	-0.6	-11.54
Father's social class - Manual	49.0	47.6	-1.4	-2.86
Family receives Supplementary Benefit	11.2	9.6	-1.6	-14.29
Has disability	9.5	7.6	-1.9	-20.00
Child does not smoke	79.2	79.7	+0.5	+0.63
Four+ addresses since 1980	1.7	1.4	-0.3	-17.65
Accommodation is rented privately	2.7	2.9	+0.2	+7.41

Target % = Per cent in BCS70.

Difference = Target % - Achieved %.

Achieved % = Per cent in achieved sample.

Bias % = ((Achieved % - Target %)/Target %) x 100.

Further Information on BCS70

1.35 For more information about the BCS70 Twenty six-year Follow-up contact the BCS70 User Support Group by post, telephone, fax, or email as shown below:

Post: BCS70 User Support Group	Tel: (0171) 477-8484
Social Statistics Research Unit	
City University	Fax: (0171) 477-8583
Northampton Square	
London	Email: bcs70@ssru.city.ac.uk
EC1V 0HB	

User Support Group

1.36 The *BCS70 User Support Group* provides advice and guidance on the use of BCS70 data; produces documentation; collates and disseminates information on uses of the data, publications, and other developments; produces and distributes a newsletter and working papers; provides access to non-computerised BCS70 data; collects additional information; and services the User Group.

User Group

1.37 The *BCS70 User Group* is open to all users of BCS70 data. It provides opportunities for users to get together to explore developments, problems, and other issues of mutual interest. Ad hoc "Updates" on BCS70 data and developments are circulated to members.

Membership is free on application to the User Support Group.

Acquiring BCS70 Data for Research

1.38 As noted above, data sets containing the birth, 22-month, 42-month, 5-year, 10-year, 16-year and 26-year data are already lodged at the ESRC Data Archive, and are available to the research community for analysis. Data set for the 21-year sample survey is currently being prepared by SSRU, and will be deposited with the ESRC Data Archive upon completion.

1.39 A fully documented longitudinal database, which will contain all BCS70 data, is also being prepared by SSRU and, when complete, a copy will also be made available via the ESRC Data Archive. Until data are generally available in this way, it is possible to obtain data not already lodged with the Data Archive from the SSRU directly (see *paragraph 1.77* above). In the meantime, longitudinal datasets may be created by researchers by merging data from the individual follow-ups already held in the ESRC Data Archive (see *paragraph 2.8* below).

The ESRC Data Archive may be contacted by post, telephone, fax, or email as shown below:

Post: ESRC Data Archive	Tel: (01206) 872001
University of Essex	
Colchester	Fax: (01206) 872003
CO4 3SQ	
	Email: archive@essex.ac.uk

References

- 1.40 Details of the publications cited in this section are given below. A full list of publications arising from BCS70 is given in *Appendix 3*.
- Atkinson, S. and Butler, N.R. (1985) Vision Problems in Under 5s *The At-Risk Infant: Psycho/Social/Medical Aspects* Harel, S. and Anastasia, N.J. (eds). London: Paul Brookes Publishing Co.
- Banks, M., Bates, I., Breakwell, G., Bynner, J., Emler, N., Jamieson, L., and Roberts, K (1992) *Greens and Identities*. Buckingham: Open University Press.
- Barker, D.J.P., Osmond, C., Golding, J. and Wadsworth, M.E.J. (1988) Acute appendicitis and bathrooms in three samples of British children. *British Medical Journal* 262 pp. 956-958.
- Beck, U. (1986) *Risk Society*. London: Sage.
- Bijur, P. (1984) *The Relationship Between Child Behaviour and Accidents from Birth to Five: a multivariate analysis of a national cohort*. Ph.D Thesis Columbia University, New York.
- Butler, N.R. and Bonham, D.G. (1963) *Perinatal Mortality* Edinburgh: E & S Livingstone.
- Butler N.R., and Alberman, E.D. (1969) *Perinatal Problems* Edinburgh: E & S Livingstone.
- Butler, N.R., Golding, J. and Howlett, B. (1986) *From Birth to Five: A study of the health and behaviour of Britain's 5-year olds*. Oxford: Pergamon Press.
- Bynner, J. and Ashford, S. (1994) Politics and participation: Some antecedents of young people's attitudes to the political system and political activity. *European Journal of Social Psychology* 24, pp223-236
- Bynner, J., Ferri, E. and Shepherd, P. (Eds) (1997) *Twenty-something in the 1990s: getting on, getting by, getting nowhere*. Aldershot: Ashgate
- Chamberlain, R., Chamberlain, G., Howlett, B.C. and Claireux, A. (1973) *British Births: Vol. 1. The First Week of Life*. London: Heinemann Medical Books.
- Chamberlain, R., Chamberlain, G., Howlett, B. and Claireux, A. (1975) *British Births 1970, Vol. 2. The First Week of Life*. London: Heinemann Medical Books.
- Chamberlain, R.N. and Simpson, R.N. (1979) *The Prevalence of Illness in Childhood*. Tunbridge Wells: Pitman Medical.
- Davie, R., Butler, N., and Goldstein, H. (1972) *From Birth to Seven* London: Longman.
- Douglas, J.W.B. (1964) *The Home and the School* London: MacGibbon & Kee.
- Douglas, J.W.B., Ross, J.M. and Simpson H.R. (1968) *All Our Future: A Longitudinal Study of Secondary Education*. Peter Davies.
- Evans, K. and Furlong, A. (1997) Metaphors of youth transition: Niches, pathways, trajectories and navigation. In: Bynner, J., Chisholm, I., and Furlong, A. (eds) *Youth, Citizenship and Social Change*. Aldershot: Ashgate.
- Ferri, E. (Ed) (1993) *Life at 33: the fifth follow-up of the National Child Development Study*. London: National Children's Bureau.
- Fogelman, K. (1976) *Britain's Sixteen-Year-Olds* London: National Children's Bureau.

- Fogelman, K. (Ed) (1983) *Growing Up in Great Britain: collected papers from the National Child Development Study*. Macmillan.
- Galbraith, J. K. (1992)*The Politics of Contentment*. London: Sinclair Stevenson.
- Haslum, M.N.; Morris, A.C. and Golding, J. (1984) What do our ten year old children eat? *Health Visitor*, 57, pp. 178-9.
- Haslum, M.N. and Butler, N.R. (1985) A cohort study of special educational needs in ten -year olds in the United Kingdom. In *Understanding Learning Disabilities International and Multidisciplinary Views*. Duane, .D. and Leong, C.K. (eds). New York: Plenum Press, pp. 186.
- Hutton, W. (1995)*The State We're In*. London: Cape.
- Osborn, A.F. and Morris, A.C. (1982) Fathers and childcare *Early Child Development and Care* No. 8, pp. 279-307.
- Osborn, A.F. (1984) Maternal employment, depression and child behaviour. *Equal Opportunities Commission Research Bulletin*, No. 8, pp. 48-67.
- Osborn, A.F., Butler, N.R. and Morris, A.C. (1984) *The Social Life of Britain's Five-year-olds: A Report of the Child Health and Education Study*. London: Routledge and Kegan Paul.
- Osborn, A.F. and Milbank, J.E. (1987) *The Effects of Early Education. A report from the Child Health and Education Study of children in Britain born 5-11 April 1970*. Oxford: Clarendon Press.
- Rodgers, B. (1983) The identification and prevalence of specific reading retardation. *British Journal of Educational Psychology* 53, pp. 369-73.
- Rush, D. and Cassano, P. (1983) Relationship of cigarette smoking and social class to birthweight and perinatal mortality among all births in Britain, 5-11 April 1970. *Journal of Epidemiology and Community Health* 37, pp. 249-55.
- Stewart-Brown, S. (1986) Vision defects in school children: Screening policy and educational implications. In *Progress in Child Health, Vol. 3* Macfarlane, J.A. (ed). London: Churchill Livingstone.
- Taylor, B., Wadsworth, J., Golding, J. and Butler, N.R. (1983a) Breastfeeding, eczema, asthma and hay fever. *Journal of Epidemiology and Community Health* 37, pp. 95-9.
- Taylor, B., Wadsworth, J., Golding, J. and Butler, N.R. (1983b) Teenage mothering: admission to hospital and accidents during the first five years. *Archives of Disease in Childhood* 58, pp. 6-11.
- Taylor, B., Wadsworth, J., Wadsworth, M.E.J. and Peckham, C.S. (1984) Changes in the reported prevalence of childhood eczema since the 1939-45 war. *The Lancet* (ii) pp. 1255-1257.
- Wadsworth, J., Burnell, I., Taylor, B. and Butler, N.R. (1983a) Family type and accidents in pre -school children. *Journal of Epidemiology and Community Health* 37, pp. 100-4.
- Wadsworth, J., Taylor, B., Osborn, A. and Butler, N.R. (1983b) Teenage mothering: child development at five years. *Journal of Child Psychology and Psychiatry* 25, pp. 305-13.
- Wadsworth, M.E.J. (1979)*Roots of Delinquency: Infancy, Adolescence and Crime* Oxford: Martin Robertson.
- Wadsworth, M.E.J. (1991)*The Imprint of Time: Childhood, History and Adult Life* Oxford: University Press.
- Wilkinson, H. (1994)*No Turning Back: Generations and the Genderquake* London: Demos.

SECTION 2

USING THE 26-YEAR DATA

INTRODUCTION

2.1 As mentioned in Section 1, the *BCS70 Twenty six-year Follow-up* made use of a single postal questionnaire. An introduction to the development and use of this document has been outlined in *Section 1*. A copy of the questionnaire is reproduced in Section 3.

2.2 This section is designed to assist users of the data by describing:

- Variable names
- Data cleaning undertaken by SSRU
- The coding of missing values.
- The coding of open-ended questions.
- The derived variables included on the dataset.
- An introduction to using the Interactive Data Dictionary.
- Linkage of *BCS70 Twenty six-year Follow-up* data to data from previous sweeps.

VARIABLE NAMES

2.3 The *variable names* for the BCS70 Twenty-six year dataset have been allocated as follows:

- *Precoded questions* - variable names are based on card and column numbers taken from the card images used for data entry.
- *Open-ended questions* - variable names are based on question numbers and employ additional identifiers where question elements are not separately numbered.
- *Derived variables* - variable names are those allocated by those responsible for the code. They are most commonly mnemonics.

Details of all variable names are to be found on the annotated questionnaire in Section 3 below.

CLEANING OF THE BCS70 26-YEAR DATA BY SSRU

2.4 As noted above, the MORI research organisation who, distributed the questionnaires, were also responsible for a preliminary visual edit of each questionnaire; and following data entry of all pre-coded information, for a preliminary computer edit to check that data was valid (i.e. single-coded, 0-9), and within range (i.e. as specified in the questionnaire). Both visual and preliminary computer edit were agreed with SSRU. Following completion of the initial data entry and cleaning all questionnaires were passed to another contractor, Eurodata, who keyed the text of responses to open-ended questions. Unedited and edited data (in ASCII form), together with all completed survey instruments, were subsequently passed to SSRU for further processing.

2.5 The work undertaken by SSRU has concentrated on the setting-up of an SPSS dataset; and the completion of additional checking and updating. The latter has focused, mainly, on repeating and extending the checks for validity and range, and carrying out new checks for consistency. This work was carried out in two stages:

1. The establishment of the SPSS dataset and an initial repeat of checks for validity and range was undertaken in late 1996 (mainly by our colleague, Kate Smith) in order that preliminary analysis of the data could be carried out.

- 2 The further review of the dataset and additional checks for validity, range and consistency in the light of problems encountered during the preliminary analysis. This was undertaken in 1997 in preparation for the deposit of the data with the Data Archive

A brief outline of the approach to data cleaning is given below

Overall data cleaning policy

2.6 Following the creation of the initial SPSS dataset, extensive checks of data validity, range and consistency were carried out. To be valid the value for any data item for any case must be *numeric* (a number, 0-9, etc) or *alphanumeric* (text, A-Z/a-z, etc) as specified in the questionnaire/coding frame/data definition. To be *within range*, the value for any data item for any case must be within the range of values specified in the questionnaire/coding frame/data definition. To be *consistent* the value of any data item for any case must conform to the filter structure of the survey instrument.

2.7 The data for the Twenty-six year Follow-up have been cleaned through computer editing, using checks for validity, range, and consistency derived from the questionnaire. Due to limited resources and record storage problems, it has often been impossible at this stage to check 'errors' against the original questionnaires themselves. As a result, the 'errors' have been 'corrected' according to the rules outlined in Table 2.1 below. Thus, the identification of 'errors' was followed by a check of the raw data to identify data entry problems. For 'errors' of range and consistency, this was followed by review of the editing rules. Consistency 'errors' were investigated further by back-checking the consistency of the primary filter, and updating this if necessary. Where updates to the edit and/or values had been made, the edit was re-run to check that the 'corrections' had been correctly applied and no new 'errors' introduced. Where no correction could be identified, the 'error' value was set to missing. All edits were iterated until no 'errors' were identified.

2.8 It is important to stress that this procedure differs in one important aspect from that adopted for the cleaning of the BCS70 16-year data which was recently deposited with the ESRC Data Archive. For this dataset *forward coding* was employed to 'correct' filter 'errors'. With *forward coding*, if the primary question is answered in a way that does not lead on to the subsidiary questions then any responses in the subsidiary sections are set to a missing value. For example, if the question is 'Have you ever been to hospital?' then only those that have ticked 'Yes' will be included in the subsidiary questions on 'date', 'reason', etc for admittance to hospital. With an interview based questionnaire, this is obviously what would happen during the interview. However, with self-completion questionnaires, sometimes respondents change their minds when they see the subsidiary questions without changing the answer to the primary question and with forward coding these subsidiary answers are lost.

2.9 For the 26-year data, the filter was checked both *forward* and *backward* in order to ensure that the loss of data was kept to a minimum. This is consistent with the approach adopted for the cleaning of data from the Ten-year Follow-up.

Table 2.1: Outline of ‘correction’ rules adopted for editing the 26-year data

Type of ‘error’	Priority	‘Correction’ rules
Not valid	1	Check and correct any obvious data format problem (eg: left/right-shifted data)
	2	Set to missing
Out of range	1	Check and correct any obvious data format problem (eg: left/right-shifted data)
	2	Check if range appropriate, and modify and re-run edit if necessary
	3	Set to missing
Not consistent	1	Check and correct any obvious data format problem (eg: left/right-shifted data)
	2	Check filter structure, and modify and re-run edit if necessary
	3	Check and update value of primary filter if necessary and re-run edit
	4	Set to missing

Missing values

2.10 As part of the work to check and update the 26-year data, efforts have been made to standardise the allocation of missing values. Also, during the course of checking, it was sometimes necessary to allocate new missing values to meet the specific needs of individual variables. As a result, there are a relatively large number of missing value codes which may be allocated to any one variable. In practice, users should find that only a small number have been used for most variables.

2.11 The standard missing value codes are as follows:

- 3 Not stated
- 7 Out of range
- 8 Inappropriate response

2.12 It is important to note that these codes are not always consistent with those allocated to other BCS70 datasets relating to the birth, 5, 10, 16, and 26 year surveys. It is hoped that missing value codes will be rationalised when all BCS70 data are set up as a single database.

Coding of open-ended questions

2.13 The 26-year questionnaire contained a significant number of questions which required the cohort member to write in a response. These included details of qualifications, occupation, health conditions and religious affiliation, as well as requested amplification of ‘other’ answers. As noted above, following completion of the initial data entry and cleaning by MORI, all questionnaires were passed to another contractor, Eurodata, who keyed the text of responses to open-ended questions. This text data was subsequently passed to SSRU where it was used to facilitate the coding of responses to these questions.

2.14 As with data cleaning, the coding was undertaken in two stages:

1. Coding to facilitate preliminary analysis - confined to qualifications and occupation. This was undertaken in late 1996/early 1997.
2. Additional coding in preparation for the deposit with the Data Archive - including additional occupational coding, and all outstanding coding. This was undertaken in the second half of 1997.

2.15 Coding frames were selected to be compatible with those used for earlier BCS70 follow-ups, and to facilitate comparison with NCDS data. Qualifications were coded using a scheme based on that used for recent NCDS follow-ups, but because of an improved approach to the survey also provided information on each qualification identified. Occupation was coded using Computer-assisted Standard Occupational Coding (CASOC), developed by the Institute for Employment Research at the University of Warwick. This provides codings for the current standard occupational classification, socio-economic group, and social class, as well as other occupational classifications, such as KOS, CODOT, and Hope-Goldthorpe. Health conditions were coded using the International Classification of Diseases...

2.16 Coding was undertaken by especially trained SSRU staff, and was in all cases computer-assisted.

2.17 Further details of the open-ended questions and the coding frames employed are given in Table 2.2 below and in Appendix 3.

Table 2.2 Questions coded by SSRU

Question	Items	Cases	
		%	Frame
Q5a) Other academic qualifications	12	32	BCS70/(NCDS)
Q5b) Other qualifications (vocational)	12	53	BCS70/(NCDS)
Q11 Other economic activity	2	4	BCS70
Q13 Job title/Q14 Type of work done	25	84	SOC, SEG, etc
Q15 Employers business	1	84	SIC
Q19 Other pay period	1	2	BCS70
Q31 Other tenure	1	6	BCS70
Q38 Other health problem	6	9	ICD 3 digit
Q39 Other sight problem	2	4	ICD
Q40 Injuries			
#1	4	43	NCDS(/ICD)
#2	4	21	NCDS(/ICD)
#3	4	9	NCDS(/ICD)
#4	4	4	NCDS(/ICD)
Q41 Disabilities	6	15	ICD 3 digit
Q43 Other alcohol	13	8	BCS70
Q47 Other vote	1	2	BCS70
Q48 Religion	1	39	BCS70(?NCDS)

Notes: See next page.

Notes to Table 3.1

Items: Maximum number of codings provided.

Cases %: Percentage of cases needing coding (estimated from current data)

Frame: Coding frame used:

BCS70(/NCDS): Coded using a frame originally developed for the National Child Development Study (NCDS), and modified where necessary following review of all BCS70 26-year survey responses.

BCS70: Coded using a frame developed following review of all BCS70 28-year survey responses.

SOC, SEG, etc: Coded using *Computer-assisted Standard Occupational Coding* (CASOC), developed by the Institute for Employment Research at the University of Warwick. This provides codings for the current Standard Occupational Classification (SOC), Socio-economic Group (SEG), and social class, as well as other occupational classifications, such as the KOS, CODOT, and Hope-Goldthorpe.

SIC: Coded using the Standard Industrial Classification (See: Central Statistical Office (1992) *Standard Industrial Classification of economic activities 1992* London: HMSO).

NB: This classification is not included in the initial deposit of data with the Data Archive.

ICD 3 digit: Coded using the International Classification of Diseases. The quality of the information supplied varied, so the 3 digit classification was used. (See: World Health Organisation (1977) *International Classification of Diseases: Volume 1, Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death*. Geneva, WHO)

ICD: Coded using the International Classification of Diseases. The information supplied enabled the use of the full classification.

NCDS(/ICD): Coded using a frame based on the ICD, and originally developed for the National Child Development Study (NCDS). Review of BCS70 26-year survey responses showed that the information supplied would not support the use of the unmodified ICD.

Further details: See Appendix 3.

Derived variables

2.18 From the outset it was agreed that a book should be written at the earliest opportunity summarising the findings of the survey, and giving feedback to both the cohort members as well as to others interested. As described above, data preparation and coding was organised so as to make a dataset available to the SSRU researcher team at the earliest possible opportunity. In the course of their analysis of the data a number of derived variable were created which summarise various aspects of the 26-year data and simplify analysis. These variables have been included with the dataset deposited with the Data Archive.

2.19 The derived variables relate to five areas that were explored in the preliminary analysis: qualifications; labour market; relationships, marriage and children; health and health-related behaviour; and views, voting and values.

2.20 Further details of the derived variables are given in Appendix 4..

INTERACTIVE DATA DICTIONARY

2.21 In order to help users find their way about the *BCS70 Twenty six-year Follow-up*, SSRU has prepared an *Interactive Data Dictionary* as guide to the contents of the SPSS data. This is based on the *ideaList* Information Retrieval System, and is distributed, free of charge on floppy disk.

Disk contents

2.22 There are two *Interactive Data Dictionary* disks. Together they hold four files:

- BCS26_V1.ZIP- the *Data Dictionary* in "compressed" form.
- PKUNZIP.EXE- software to "uncompress" the *Data Dictionary*.
- BCS26MAN- this document is in ASCII format.
- READ.ME- notes on how to load the data base on your PC.

YOU MAY COPY THESE DISKS AS MANY TIMES AS YOU WISH.

IMPORTANT

2.23 Further details of the *Interactive Data Dictionary* are given below. Please read these carefully before attempting to load/use this software. If you have any problems or queries, please contact the BCS70 User Support Group (see next page for full contact information).

Loading the *Interactive Data Dictionary* from disk

2.24 To load this documentation on your PC, follow the instructions given below. What you should enter on your keyboard is shown in *italics*. (See also file "READ.ME").

1. Create a directory called "\bcs70dd" on your hard disk
eg: *mkdir bcs70dd*
2. Make this your current working directory
eg: *cd bcs70dd*
3. Put *Data Dictionary* Disk #1 in your floppy drive (eg: drive a:)
4. Uncompress and copy the *Data Dictionary* to your hard disk :
eg: *a:pkunzip bcs26_v1 c:*

Follow the instructions which appear on the screen and the files which comprise the *Data Dictionary* will be copied to your hard disk.

NB: The uncompressed *Data Dictionary* will occupy some 24,200,000 bytes.

5. To use the *Data Dictionary* you must be in the "bcs70dd" directory. To start the *Data Dictionary*, enter: *bcs26*
6. We suggest you keep the floppy disks as a backup!

7. Please advise the *BCS70 User Support Group* of any queries or problems via email - bc70@ssru.city.ac.uk (see below for full contact information).

Guide to using the Interactive Data Dictionary

2.25 A brief guide to using the *Interactive Data Dictionary* is given below

Starting the Data Dictionary

Type *bcs26* (within the "bcs70dd" directory) to start the application.

You will be presented with an opening screen offering a number of options:

```

1970 BRITISH COHORT STUDY (BCS70)
  B C S 7 0   T W E N T Y - S I X   Y E A R   F O L L O W       - U P
Interactive Data Dictionary   - Guide to Variables on the SPSS Data Set
  Using the "ideaList" Information Retrieval System
          VERSION 1.0 (NB: May contain errors)
(c) SSRU (this "ideaList" application)/Blackwell ("ideaList" software)
-----
YOUR NEXT MOVE... To access [!...] place cursor on "!" and press F9.
Press F10 to backtrack.  F1, F5, Alt, F, X refer to function keys, etc.

      About BCS70      = [!BCS]      About the SPSS Data = [!SPS]
      About "ideaList" = [!IDL]     Help from "ideaList" = F1
      Search for...    = F5          Exit                = Alt F X
-----
You are advised to always consult BCS70 survey instruments and other
documentation before selecting variables or interpreting analyses.
-----
BCS70 User Support Group      Contact:
Social Statistics Research Unit Telephone: (0171) 477      -8489
City University              Fax       : (0171) 477      -8583
Northampton Square          Email    : bcs70@ssru.city.ac.uk
LONDON EC1 OHB

```

Conventions

- F1, F5, etc Refer to the function keys
- Alt, F, X Refer to the Alt, F and X keys
- , + Refer to the - and + keys on the numeric keypad
- [!BCS], [!IDL], etc Are cross references providing access to additional information. To activate these, place the cursor on the ! of the appropriate [!...] entry and press the F9 key. Press the F10 to return to the page where you pressed the F9 key.
- Cursor movement:* Simply use the arrow/PgUp/PgDn/Home/End keys in the normal manner.

About BCS70 - [!BCS]

A brief overview of BCS70 is presented in a series of screens. The contents of these screens are shown below:

Screen #1:

```
Opening Screen = F10          Next Screen = +/ -          Exit = Alt F X
(F10, +, -, Alt, F, X refer to function, numeric keys, etc.)
-----
About BCS70:  BCS70  - A Brief Summary (Screen 1 of 2)
-----
The 1970 British Cohort Study (BCS70) is a continuing, multi -disciplinary
longitudinal study which takes as its subjects all those living in Great
Britain who were born between 5 and 11 April, 1970.

BCS70 began with the collection of data about the births and families of
babies born in England, Scotland, Wales and Northern Ireland. At the time
the study was named the British Births Survey (BBS). The National Birthday
Trust Fund and the Royal College of Obstetricians and Gynaecologists
sponsored this study. Since 1970 further studies were conducted in 1975,
1980, 1986 and 1996. The scope of the enquiry changed from a strictly
medical focus at birth to encompass physical and educational development
at the age of five, physical, educational and social development at
the ages of ten and sixteen, and physical, educational, social and economic
development at 26 years.

Additional information may be accessed via the menu bar at the top of this
next screen.
```

Use the + or- keys on the numeric keypad to access the second page.

Screen #2:

```
[+/-] = Next Screen      [!Open] = Opening Screen      [Alt FX] = Exit
[!BBS] = About BBS       [!CHES] = About CHES
[!YSC] = About Youthscan [!26] = About the 26-year Follow-up
-----
Chart:1970 British Cohort Study (Screen 2 of 2)
-----
The 1970 British Cohort Study
-----
BBS      CHES      CHES      Youthscan  BCS70
(1970)   (1975)   (1980)   (1986)    (1996)
Birth    5         10        16         26

Mother   Parents   Parents   Parents
          Tests    School    School
          Medical  Tests     Tests
          Subject  Subject   Subject   Subject

16,135*  13,135   14,875   11,628    9,003
-----
* Achieved Sample - at least one survey instrument partly completed
```

Further information about BCS70 - [!BBS], [!CHES], [!YCS]

Additional information about the birth survey and subsequent follow-ups which comprise BCS70 may be found by using the cross references which give access to summaries of the British Births Survey ([!BBS]), the Child Health and Education Study ([!CHES]), Youthscan ([!YCS]) and the Twenty six-year Follow-up ([!260]).

Each of these entries may also contain further cross references to additional background details.

Remember, to follow a cross reference, place the cursor on the ! of the appropriate [...] entry and press the F9 key. Press the F10 to return to the page where you pressed the F9 key.

About the SPSS Data Set - [!SPS]

Again there are two screens.

Screen #1:

```
Opening Screen = [!Open]           Next Screen = +/      -
Search for...  = F5                Exit           = Alt F X
(To access [!...] place cursor on "!" and press F9.  Press F10 to backtrack)
-----

BCS70: 1996 Follow -up - SPSS Data - INTRODUCTION: Page 1 of 2
-----

INTRODUCTION

Data gathered during the 1996 Follow -up of the 1970 British Cohort Study
(BCS70) are available for secondary analysis via the Economic and Social
Research Council Data Archive at the University of Essex.

Data were supplied to the Archive as SPSS data sets, and this "Interactive
Data Dictionary" is designed to:

* Describe the nature and content of the SPSS data sets.

* Help you find the location of variables of interest.

It has been derived directly from information generated using SPSS, and from
the other documentation prepared to accompany the data deposit.

You are advised to always consult BCS70 survey instruments and other
documentation before selecting variables or interpreting analyses.
```

Use the + or- keys on the numeric keypad to access the second page.

This provides a series of cross references providing access to a wide range of information about the data collection and preparation, and other background information.

Remember, to follow a cross reference, place the cursor on the ! of the appropriate [!...] entry and press the F9 key. Press the F10 to return to the page where you pressed the F9 key.

Screen #2:

```
Press the F10 key to return to previous page
-----

BCS70: 1996 Follow -up - SPSS Data - INTRODUCTION: Page 2 of 2
-----

For more information about any of the topics listed below, place cursor on
the ! of the appropriate [!...] entry in the right hand column and press the
F9 key. To return to this page, press the F10 key.

Survey instrument           [!Instruments]
Data deposited at the ESRC Data Archive [!Deposit]
Text material               [!Text]
Variable names              [!Names]
Longitudinal linkage        [!Linkage]
Data cleaning               [!Cleaning]
Missing values              [!Missing]
Response bias               [!Bias]
Confidential data           [!Confidential]
Further information         [!Info]
Acquiring BCS70 data for research [!Acquiring]
```

About ideaList - [!IDL]

An introduction to using the ideaList software is presented in a series of 6 screens. Use the + and/or - keys on the numeric keypad to browse these screens.

The contents of these screens are reproduced below.

Screen #1:

Opening Screen = [!Open] Next Screen = +/- Search for... = F5 Exit = Alt F X
(To access [!...] place cursor on "!" and press F9. Press F10 to backtrack.
F5, F9, F10, +, -, Alt, F, X refer to function, numeric keys, etc.)

"ideaList": A Brief Guide - (Screen 1 of 6)

NB: Please read what follows carefully before proceeding

Purpose: To provide information about variables on the BCS70 SPSS Data

Conventions: F1, Alt, Enter, etc below refer to F1, Alt,
Enter, keys on your keyboard

+ and - below refer to + (plus) and - (minus) keys on
the NUMERIC (rightmost) keypad

[!...] require you to place the cursor on "!" and press F9
F10 takes you back to your previous position

F1 will provide "ideaList" help screens

Screen #2:

Opening Screen = [!Open] Next Screen = +/- Search for... = F5 Exit = Alt F X
(To access [!...] place cursor on "!" and press F9. Press F10 to backtrack.
F5, F9, F10, +, -, Alt, F, X refer to function, numeric keys, etc.)

"ideaList": A Brief Guide - (Screen 2 of 6)

Search: To SEARCH = F5 (or Alt S and select from drop down menu)
Enter {string} Enter to search for all examples of
{string} in BCS70 DATA SET variable names/records/variable
labels, OR
F1 to display INDEX (names/records/labels are FULLY
indexed)

NB: You may BROWSE index using Cursor or letters/numbers
until desired string is highlighted
Pressing Return will select records containing the string

Hit List: Selected records are known as a HIT LIST
To BROADEN search = F6 (or Alt S and select from menu)
To NARROW search = F7 (or Alt S and select from menu)
To EXCLUDE from search = F8 (or Alt S and select from menu)

Screen #3:

Opening Screen = [!Open] Next Screen = +/ - Search for... = F5 Exit = Alt F X
(To access [!...] place cursor on "!" and press F9. Press F10 to backtrack.
F5, F9, F10, +, -, Alt, F, X refer to function, numeric keys, etc.)

"idealList": A Brief Guide - (Screen 3 of 6)

Viewing: To VIEW records selected by SEARCH command (ie: the HIT List):

Move FORWARD/BACKWARD through records = + or - keys

For an OVERVIEW of ALL selected records = Alt V and select "Overview" from menu. F1 will reveal list for browsing

Dropping

Records: To DROP one or more records from the HIT LIST = Alt R
Using this menu you may MARK and DROP selected/all records in the HIT LIST

Screen #4:

Opening Screen = [!Open] Next Screen = +/ - Search for... = F5 Exit = Alt F X
(To access [!...] place cursor on "!" and press F9. Press F10 to backtrack.
F5, F9, F10, +, -, Alt, F, X refer to function, numeric keys, etc.)

"idealList": A Brief Guide - (Screen 4 of 6)

Printing To PRINT a copy of the records on a HIT LIST = Alt X
Using this menu you may choose WHAT to "export" and to WHERE
YOU SHOULD NOT CHOOSE "Export All"
YOU ARE ADVISED TO CHOOSE "Export to File"

NB: To achieve "Export":

Alt X and select "Export to File" (This is pre -selected)
Alt F and name export format file
Name destination file (your choice)

Quiting: To leave Idealist = Alt F X

NB: Press and hold down ALT, and then press F followed by X

Screen #5:

Opening Screen = [!Open] Next Screen = +/ - Search for... = F5 Exit = Alt F X
(To access [!...] place cursor on "!" and press F9. Press F10 to backtrack.
F5, F9, F10, +, -, Alt, F, X refer to function, numeric keys, etc.)

"idealList": A Brief Guide - (Screen 5 of 6)

Cross references These provide links to additional information, and are indicated by the following: [!text]

To access, place cursor over the ! (or anywhere between the square braces) and press the F9 key. To return to the page (screen) from where you followed the cross reference.

NB: In other software, cross references are sometimes known as "hypertext links".

Screen #6:

```
Opening Screen = [!Open] Next Screen = +/ - Search for... = F5 Exit = Alt F X
(To access [!...] place cursor on "!" and press F9. Press F10 to backtrack.
F5, F9, F10, +, -, Alt, F, X refer to function, numeric keys, etc.)
```

```
-----
"ideaList": A Brief Guide - (Screen 6 of 6)
-----
```

```
Variable entries: The format of the variable descriptions is summarised below.
```

```
-----
MENU: A guide to available options
-----
```

```
SURVEY: Survey during which the data were gathered
-----
```

```
INSTRUMENT: The questionnaire, etc used to gather the data
-----
```

```
VARIABLE: SPSS "Variable name" and "Variable label" as on the data set
-----
```

```
VALUES: Frequency distribution, including any SPSS "Value labels"
```

```
NB: (1) Where a variable has very many values descriptive
statistics are provided.
```

```
(2) No distribution information is provided for:
```

```
(a) Case identifiers;
```

```
(b) Alphanumeric variables holding the text.
```

```
-----
NOTE: Comments on the nature and/or utility of the variable, etc.
```

Please note that the comments of the nature/utility of variables (NOTE field of Screen #6 above) may also contain cross references to additional information.

LONGITUDINAL LINKAGE TO EARLIER DATASETS



2.26 The unique case identifier included with the BCS70 26-year data is given by the combination of two variables - CHESNO and CTC. Both these variables should be used in matching or sorting files. For example, the appropriate SPSS code for sorting cases and linking datasets would appear as follows:

```
sort cases by CHESNO CTC
```

```
match files file=filename1/
file=filename2/
by=CHESNO CTC
```

2.27 The variable CHESNO records a birth event, while CTC notes whether the birth event was a singleton or multiple birth. The population for the 1970 British Cohort Study is everyone living in Great Britain and born between 5-11th April 1970¹. This population has grown between sweeps through immigration and these new cohort members were recruited for the follow-ups at ages 5, 10 and 16 years. As a result there are new serial numbers appearing with each sweep. For each sweep following the birth survey, the new members to the study were given new CHESNO values, and these cases will have no linkage to earlier datasets. For the *BCS70 Five-year Follow-up*, the new members to the study were given CHESNO values in the 30,000s and 70,000s, and these cases will have no linkage to birth data. New members at the 10-year survey were given CHESNO values in the 60,000s or 70,000s, and those new at the 16-year survey values in the 80,000s and 90,000s.

2.28 Although 26-year data may normally be matched to other BCS70 data by using CHESNO and CTC in combination as described above, users may encounter BCS70 datasets where these two variables have already been combined to form a single unique identifier named KEY, as follows:

$$\text{KEY} = (\text{CHESNO} \times 10) + \text{TC10}$$

¹The birth sweep covered the United Kingdom, but subsequent sweeps excluded Northern Ireland.

2.29 In order to match the 26-year data with any BCS70 dataset where KEY is the unique identifier it is necessary to create this variable in the 26-year dataset by combining CHESNO and TC10 as indicated above. Alternatively, users may partition the variable KEY in the second dataset into 2 variables - CHESNO and TC10. For example, in SPSS this would be achieved by the following commands:

```
compute CHESNO=trunc(KEY/10)
compute TC10=mod(KEY,CHESNO)
```

2.30 Users encountering problems in linking BCS70 datasets should contact the BCS70 User Support Group.

SECTION 3

BCS70 TWENTY SIX-YEAR FOLLOW-UP ANNOTATED QUESTIONNAIRE

Annotated with (Variable names)

(CHESNO)	CHES Number	}	To facilitate
(CTC)	CHES Number Twin code	}	linkage with
(CCD)	CHES Number Check digit	}	data from earlier
(KEY)	Unique Case Identifier	}	follow-ups
(SERIAL)	Serial Number on 26-year Survey		
(SEX)	Sex from Address File		

CONFIDENTIAL

BCS70 - 1970 British Cohort Study

Following the lives of everyone in Britain born 5 -11 April, 1970

Where Are You Now?

This questionnaire is designed to gather information about what you are doing and your views on a number of current issues.

If you have any queries about this survey, or about any aspect of BCS70, please telephone the number below - we will pay the cost of the call.

0500 600 616

Please return your completed questionnaire in the envelope provided.

Social Statistics Research Unit ■ City University ■ London ■ EC1V 0HB

What we would like you to do

Please answer **ALL** the questions, unless there is an **instruction** telling you to skip questions which do not apply to you.

Here is an example:

★ **IF YOU DO NOT HAVE A JOB, DO NOT ANSWER THESE QUESTIONS, PLEASE CONTINUE AT Q.20, PAGE 5.**

How to answer the questions

Please follow the instructions given for each question. You may be asked to give your answers in a number of ways. For some questions you will be asked to tick a box, for others you will have to write your answer, and sometimes you may have to do both.

Here are some examples:

1 Please tick one box

For example: Yes No

2 Please tick all that apply

For example: Neither Glasses Contact lenses

3 Please write in

For example:

What is the name or title of your job?

Please write in

NURSE - STATE REGISTERED (SRN)

4 Tick box and write in where appropriate

For example:

Own Renting Other arrangement **Please say what below**

LIVE IN NURSES HOME

If there is not enough space, you can continue your answer on page 15.

As indicated, if there is not enough space provided for your answer, you can use the space on page 15.

5 Please tick a box or write in

For example: Never been unemployed

Number of times unemployed 5

Your Views

1. People have very different opinions about many things. Below is a list of statements on different topics on which we'd like your views. Please read each statement then decide how much you agree or disagree with the opinion and tick the relevant BOX on the right.

Please tick one box for each statement

	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
The law should be obeyed, even if a particular law is wrong (B960120)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There should be more women bosses in important jobs in business and industry (B960121)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Having almost any job is better than being unemployed (B960122)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For some crimes the death penalty is the most appropriate sentence (B960123)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When both partners work fulltime, the man should take an equal share of domestic chores (B960124)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
It does not really make much difference which political party is in power in Britain (B960125)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Divorce is too easy to get these days (B960126)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If I didn't like a job I'd pack it in, even if there was no other job to go to (B960127)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marriage is for life (B960128)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Training, Qualifications and Skills

2. How old were you when you left school (including 6th form college)? **Please write in** _____ years old
(B960129)

3. And how old were you when you left fulltime education?
Please tick the box or write in your age

Still in full-time education _____ years old
(B960131) (B960132)

4. Since you left full-time education have you been on any of the following?
Please tick all that apply and write in the number where appropriate

	<input type="checkbox"/>	If any: How many?	
Courses leading to qualifications (EXCEPT youth training) (B960134)	<input type="checkbox"/>	_____	(B960135)
Youth Training Scheme (YTS) (B960137)	<input type="checkbox"/>	_____	(B960138)
Other government schemes (B960140)	<input type="checkbox"/>	_____	(B960141)
Work related training provided by an employer and lasting 3 days or more (B960143)	<input type="checkbox"/>	_____	(B960144)

5. We are interested in knowing about **ANY** qualifications you may have gained **AT ANY TIME**, either at school or since.

a) Which, if any, of the following qualifications have you gained, and how many do you have?
Please tick all that apply and write in the number gained where appropriate.

		If any:	
		How many?	
(B960146)	No qualifications	<input type="checkbox"/>	(B960146)
(B960147)	CSE - grade 1	<input type="checkbox"/>	_____ (B960148)
(B960150)	CSE - other grades	<input type="checkbox"/>	_____ (B960151)
(B960153)	GCE "O" Level - passes or grades A-C	<input type="checkbox"/>	_____ (B960154)
(B960156)	GCE "O" Level - other grades	<input type="checkbox"/>	_____ (B960157)
(B960159)	GCSE - grades A-C	<input type="checkbox"/>	_____ (B960160)
(B960162)	GCSE - other grades	<input type="checkbox"/>	_____ (B960163)
(B960165)	GCE "A" Level	<input type="checkbox"/>	_____ (B960166)
(B960168)	Scottish "O" Grade - passes or grades A-C	<input type="checkbox"/>	_____ (B960169)
(B960171)	Scottish "O" Grade - other grades	<input type="checkbox"/>	_____ (B960172)
(B960174)	Scottish Standard Grade - grades 1-3	<input type="checkbox"/>	_____ (B960175)
(B960177)	Scottish Standard Grade - other grades	<input type="checkbox"/>	_____ (B960178)
(B960212)	Scottish Higher Grade	<input type="checkbox"/>	_____ (B960213)
(B960215)	Scottish Certificate of 6th Year Studies	<input type="checkbox"/>	_____ (B960216)
(B960218)	HE Diploma	<input type="checkbox"/>	
(B960219)	First Degree (BA, BSc, BEd, etc)	<input type="checkbox"/>	
(B960220)	PGCE	<input type="checkbox"/>	
(B960221)	Post Graduate Degree (MA, MSc, PhD, etc)	<input type="checkbox"/>	
(B960222)	Other academic qualifications	<input type="checkbox"/>	Please give full name of qualification(s) below

Q5A01-Q5A012 - See List of Open-coded Variables

If there is not enough space, you can continue your answer on page 15.

b) Have you gained any other qualifications since leaving school, including any technical, vocational, or professional qualifications? **Please tick one box and give details where appropriate.**

Please include HGV, PSV, RSA, Pitmans, City & Guilds, TEC, BEC, SEN, SRN, NNEB, membership of professional institutions, or any similar technical, vocational, or professional qualifications

(B960223) No Yes **Please give full name of qualification(s) below.**

Q5B01-Q5B12 - See List of Open-coded Variables

If there is not enough space, you can continue your answer on page 15 .

6. People have a variety of skills. Please answer question a) for each of the skills listed below. If you have the skill, please also answer question b).

a) How good are you at this skill? **Please tick one box below for each skill** b) **If you have this skill:** Do you use it at work? **Please tick one box below for each skill**

	Good	Fair	Poor	Don't have skill	Yes	No
Writing clearly	<input type="checkbox"/> (B960224)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (B960225)
Using tools properly	<input type="checkbox"/> (B960226)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (B960227)
Typing or using a computer keyboard	<input type="checkbox"/> (B960228)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (B960229)
Using a computer to solve problems or get information	<input type="checkbox"/> (B960230)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (B960231)
Looking after people who need care	<input type="checkbox"/> (B960232)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (B960233)
Teaching or instructing children or adults	<input type="checkbox"/> (B960234)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (B960235)
Carrying out mathematical calculations	<input type="checkbox"/> (B960236)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (B960237)
Understanding finance and accounts	<input type="checkbox"/> (B960238)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (B960239)

Jobs and All That

7. Since you were 16, how many fulltime jobs lasting a month or more have you had?
Please tick the box or write in number

Never had a full-time job (B960240)

Number of full-time jobs (B960241) **FULL-TIME= 30 or more hours a week**

8. And since you were 16, how many parttime jobs lasting a month or more have you had?
Please tick the box or write in number

Never had a part-time job (B960243) **DO NOT INCLUDE: weekend jobs or jobs you did for money whilst at school**

Number of part-time jobs (B960244) **PART-TIME= under 30 hours a week**

9. Since you were 16, has there ever been any period of a month or more when you did not have a paid job and your situation was best described by one of the things listed below?
Please tick all that apply and write in the number of periods where appropriate

If any:
How many periods of one month or more?

Unemployed and seeking work (B960246) _____ (B960247)

At home full-time looking after children or others (B960249) _____ (B960250)

Unable to work for health reasons (not sick leave) (B960252) _____ (B960253)

Not in a paid job for some other reason (B960255) _____ (B960256)

10. Since you were 16, what is the length of the longest single period when you were unemployed and seeking work? **Please tick one box only**

- | | | | |
|-----------------------|--------------------------|-------------------|------------------------------------|
| Never been unemployed | <input type="checkbox"/> | 7-11 months | <input type="checkbox"/> |
| 3 months or less | <input type="checkbox"/> | 1-2 years | <input type="checkbox"/> (B960258) |
| 4-6 months | <input type="checkbox"/> | More than 2 years | <input type="checkbox"/> |

11. Which of the following best describes what you are currently doing?
Please tick all that apply

- | | | |
|---|----------------------------|---|
| Full-time paid employee (30 or more hours a week) | <input type="checkbox"/> | (B960259) |
| Part-time paid employee (under 30 hours a week) | <input type="checkbox"/> | (B960260) |
| Full-time self employed | <input type="checkbox"/> | (B960261) |
| Part-time self employed | <input type="checkbox"/> | (B960262) |
| Unemployed and seeking work | <input type="checkbox"/> | (B960263) |
| Full-time education | <input type="checkbox"/> | (B960264) |
| Temporarily sick/disabled (less than 6 months) | <input type="checkbox"/> | (B960265) |
| Long-term sick/disabled (6 months or longer) | <input type="checkbox"/> | (B960266) |
| Looking after home/family | <input type="checkbox"/> | (B960267) |
| On a training scheme | <input type="checkbox"/> | (B960268) |
| Something else | <input type="checkbox"/> L | Please say what below
(B960269) |

Q110THER - See List of Open-coded Variables

★ **IF YOU CURRENTLY HAVE A JOB, OR ARE SELF-EMPLOYED, PLEASE ANSWER THE QUESTIONS BELOW ABOUT YOUR JOB OR BUSINESS.**

★ **IF YOU HAVE MORE THAN ONE JOB, PLEASE ANSWER THE QUESTIONS ABOUT YOUR "MAIN" JOB.**

★ **IF YOU DO NOT HAVE A JOB, DO NOT ANSWER THESE QUESTIONS, PLEASE CONTINUE AT Q.20, PAGE 6.**

12. In what year did you start your current job? **Please write in** 19 _____ (B960270)

13. What is the name or title of your job? (Include details of any grade or rank that you may have)
Please write in

SOC-HGSCALE - See List of Open-coded Variables

14. What type of work do you do most of the time? (Include details of any machinery or special materials used or any special skills/training)
Please write in

SOC-HGSCALE - See List of Open-coded Variables

15. What is made or done by your employer or business?

Please write in

Not currently available

16. Including yourself about how many people work at the same place as you?

Please tick one box only

10 or less	<input type="checkbox"/>	100 - 499	<input type="checkbox"/>	
11 - 25	<input type="checkbox"/>	500 or more	<input type="checkbox"/>	(B960272)
26 - 99	<input type="checkbox"/>	Don't know/Varies	<input type="checkbox"/>	

17. Do you supervise other people?

Please tick one box

(B960273)

(B960274)

No Yes **Please write in number supervised:** _____

18. How many hours do you usually work each week? **Please include any paid overtime you usually do, but exclude meal-breaks.**

Please write in number

Hours in average week: _____ (B960277)

19. What is your usual take home pay (after deductions, but including any bonuses or overtime)?

Please write in the amount and tick one box for period covered

Amount of take home pay (to nearest £): _____ (B960312)

Period pay covers. **Please tick one box only** (B960318)

Hour Day Week Month Year

Other period **Please say what below**

Q19OTHER - See List of Open-Coded Variables

Relationships, Marriage and Children

20. Are you currently in a relationship with someone, whether or not you are living together?

Please tick as appropriate

No Yes **Is your partner:** Male Female
(B960319) (B960320)

21. Which of the things below best describes your current situation?

Please tick one box only

Living with your husband or wife	<input type="checkbox"/>	
Living as a couple with someone	<input type="checkbox"/>	(B960321)
Living alone or in some other arrangement	<input type="checkbox"/>	

22. What is your current legal marital status?

Please tick one box only and write in date of marriage where appropriate

Living as a couple without being legally married to your partner should not be counted as "married".

(B960322)

Single and never married

Married, first and only marriage

Remarried, second or later marriage

Separated

Divorced

Widowed

Please give the month and year of your current or most recent marriage

Month: (B960323) Year: 19 (B960325)

★ **IF YOU ARE NOT LIVING WITH YOUR HUSBAND OR WIFE, OR SOMEONE AS A COUPLE AT THE MOMENT PLEASE CONTINUE AT Q.26 BELOW.**

23. When did you start living with your partner?

Please write month and year

Month: _____ Year: 19 _____
(B960327) (B960329)

24. Which of the following best describes what your partner is currently doing?

Please tick one box only

Working full-time (30 or more hours a week)

Working part-time (under 30 hours a week)

Self-employed

Unemployed (B960331)

In full-time education

Looking after children or at home fulltime

Something else

25. Does your current partner have any children from a previous relationship that do not live with you? **Please tick one box only**

Yes No Don't know (B960332)

26. How many children do you have? **Please do not include step/adopted/fostered children.**

Please write in the number or tick box

Number of children: _____ Do not have children
(B960333) (B960334)

★ **IF YOU DO NOT HAVE ANY CHILDREN, PLEASE CONTINUE AT Q.29, PAGE 8**

27. Is your current partner the other parent of some or all of your children?

Please tick one box only

No current partner (B960335)

Yes, of **all** children Yes, of **some** children No, of **none**

28. Do all your children live with you? **Please tick one box only** (B960336)

Yes, **all** Yes, **some** No, **none**

Household and Housing

Please answer these questions about your normal "home" address. If you are away from your "home" address for 6 months or more, please answer these questions about your address away from "home".

29. We'd like to know a little bit about the members of your household the people who you normally live with, and with whom you share a living room **OR** normally share at least one meal a day.

Please complete one line below for each member of your household.

If you are NOT living in a self-contained household (eg: if you are living in a hostel or similar accommodation), please answer these questions just about any of your family living with you.

THE FIRST LINE IS FOR YOUR DETAILS. PLEASE GIVE YOUR SEX AND AGE.

FIRST NAME	SEX	AGE	RELATIONSHIP TO YOU
<i>Please write in</i>	<i>Tick one box</i>	<i>Give age last birthday</i> <i>Write in age</i>	<i>Write in number from list of relationships below</i>
	<i>Male Female</i>		
YOU	(B960337) <input type="checkbox"/> <input type="checkbox"/>	(B960338)	YOURSELF
	(B960340) <input type="checkbox"/> <input type="checkbox"/>	(B960341)	(B960343)
	(B960345) <input type="checkbox"/> <input type="checkbox"/>	(B960346)	(B960348)
	(B960350) <input type="checkbox"/> <input type="checkbox"/>	(B960351)	(B960353)
	(B960355) <input type="checkbox"/> <input type="checkbox"/>	(B960356)	(B960358)
	(B960360) <input type="checkbox"/> <input type="checkbox"/>	(B960361)	(B960363)
	(B960365) <input type="checkbox"/> <input type="checkbox"/>	(B960366)	(B960368)
	(B960370) <input type="checkbox"/> <input type="checkbox"/>	(B960371)	(B960373)
	(B960375) <input type="checkbox"/> <input type="checkbox"/>	(B960376)	(B960378)
	(B960412) <input type="checkbox"/> <input type="checkbox"/>	(B960413)	(B960415)

List of relationships:

- | | | |
|------------------------------|--------------------------|----------------------------|
| 01 Lawful Spouse | 07 Brother/Sister | 12 Friend/Unrelated sharer |
| 02 Live-in partner | 08 Brother/Sister In-Law | 13 Landlord |
| 03 Own Child | 09 Parent | 14 Employer |
| 04 Adopted Child | 10 Parent In-Law | 15 Other |
| 05 Fostered Child | 11 Other relative | |
| 06 Stepchild/Partner's Child | | |

30. In what year did you start living at your present address? (B960417) (B960419)
Please write in month and year. Month: _____ Year: 19 _____

31. Do you own or rent your home, or do you have some other arrangement?
Please tick one box only

- Own outright
- Buying on mortgage/loan
- Rented from a local authority or housing association
- Rented from a private landlord (B960421)
- Rented from some other landlord
- Living with parents - paying rent
- Living with parents - rent-free
- Other arrangement **Please say what below**

Q31OTHER - See Lost of Open-coded Variables

32. Not including any bathroom or kitchen, how many rooms are there in your home?
Please write in number

Number of rooms: _____ (B960422)

Some More of Your Views

33. Below is another list of statements on different topics on which we'd like your views. Once again, please read each statement then decide how much you agree or disagree with the opinion and tick the relevant BOX on the right.

Please tick one box for each statement

	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
Politicians are mainly in politics for their own benefit and not for the benefit of the community (B960424)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Censorship of films and magazines is necessary to uphold moral standards (B960425)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Men and women should all have the chance to do the same kind of work (B960426)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
None of the political parties would do anything to benefit me (B960427)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People who break the law should be given stiffer sentences (B960428)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Couples who have children should not separate (B960429)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Government should redistribute income from the better off to those who are less well off (B960430)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If a child is ill and both parents are working, it should usually be the mother who takes time off work to look after the child (B960431)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Health

34. How would you describe your general health? **Please tick one box only**

Excellent Good Fair Poor (B960432)

35. How tall are you? **Please write in**

feet: _____ inches: _____ **OR** metres: _____ cms: _____
(B960433) (B960434) (B960436) (B960437)

36. How much do you weigh? **Please write in**

stones: _____ lbs: _____ **OR** kilograms: _____
(B960439) (B960441) (B960443)

37. Would you say that you were...

Please tick one box only

Very underweight
Slightly underweight
About the right weight (B960445)
Slightly overweight
Overweight
Don't know

38. Below is a list of health problems. Please answer question a) for each. Please also answer question b) for each problem you have ticked for question a).

a) Since you were 16, have you suffered from this health problem?

Please tick all that apply in column a) below.

b) If you have suffered from this health problem since you were 16, was this in the last 12 months?

Please tick all that apply in column b) below.

Have you suffered from any of these... a) **Since you were 16?** b) **In the past 12 months?**
Please tick all that apply **Please tick all that apply**

Migraine	<input type="checkbox"/> (B960446)	<input type="checkbox"/> (B960512)
Hay fever	<input type="checkbox"/> (B960447)	<input type="checkbox"/> (B960513)
Asthma	<input type="checkbox"/> (B960447)	<input type="checkbox"/> (B960514)
Bronchitis	<input type="checkbox"/> (B960449)	<input type="checkbox"/> (B960515)
Wheezing when you have a cold/flu	<input type="checkbox"/> (B960450)	<input type="checkbox"/> (B960516)
Skin problems:		
eczema	<input type="checkbox"/> (B960451)	<input type="checkbox"/> (B960517)
other skin problems	<input type="checkbox"/> (B960452)	<input type="checkbox"/> (B960518)
Fits, convulsions, epilepsy	<input type="checkbox"/> (B960453)	<input type="checkbox"/> (B960519)
Persistent joint or back pain	<input type="checkbox"/> (B960454)	<input type="checkbox"/> (B960520)
Diabetes	<input type="checkbox"/> (B960455)	<input type="checkbox"/> (B960521)
Persistent trouble with teeth, gums or mouth	<input type="checkbox"/> (B960456)	<input type="checkbox"/> (B960522)
Cancer	<input type="checkbox"/> (B960457)	<input type="checkbox"/> (B960523)
Stomach or other digestive problems	<input type="checkbox"/> (B960458)	<input type="checkbox"/> (B960524)
Bladder or kidney problems	<input type="checkbox"/> (B960459)	<input type="checkbox"/> (B960525)
Depression for more than a few days	<input type="checkbox"/> (B960460)	<input type="checkbox"/> (B960526)
Hearing difficulties	<input type="checkbox"/> (B960461)	<input type="checkbox"/> (B960527)
Other problems with your ears	<input type="checkbox"/> (B960462)	<input type="checkbox"/> (B960528)
Frequent problems with periods or other gynaecological problems	<input type="checkbox"/> (B960463)	<input type="checkbox"/> (B960529)
Other health problem	<input type="checkbox"/> Please describe	<input type="checkbox"/> (B960530)

Q380TH1-Q380TH6 (B960464) **below**

See list of Open-Coded Variables

If there is not enough space, you can continue your answer on page 15.

- 39 a) Since you were 16, have you ever had any trouble with your eyes or eyesight in one or both eyes? **Please tick all that apply**

- No sight problem (B960531)
 Short-sight (B960532)
 Long-sight (B960533)
 Astigmatism (B960534)
 Other sight problem **L Please describe below**
 (B960535)

Q39_1, Q39_2 - See List of Open-coded Variables

- b) Do you wear glasses or contact lenses some or all of the time? **Please tick all that apply**

- Neither Glasses Contact lenses
 (B960536) (B960537) (B960538)

40. Since you were 16, how many times have you had medical treatment because of an accident, injury or assault? **Please tick the box or write in number**

No accidents or assaults needing medical attention (B960539)
 (B960540)

Number of accidents or assaults: _____ **L Please give details of each below**

Injuries suffered <i>Please describe</i>	Where it happened <i>Please tick one box</i>	Where treated <i>Please tick all that apply</i>	Your age at the time
	(B960542)		
Q40A1-Q40A4 See List of Open-coded Variables	At home <input type="checkbox"/> On the road <input type="checkbox"/> At work <input type="checkbox"/> Playing sport <input type="checkbox"/> Elsewhere <input type="checkbox"/> Please say where	GP Hospital casualty dept Hospital in-patient	<input type="checkbox"/> (B960543) <input type="checkbox"/> (B960544) (B960546) <input type="checkbox"/> (B960545)
	(B960548)		
Q40B1-Q40B4 See List of Open-coded Variables	At home <input type="checkbox"/> On the road <input type="checkbox"/> At work <input type="checkbox"/> Playing sport <input type="checkbox"/> Elsewhere <input type="checkbox"/> Please say where	GP Hospital casualty dept Hospital in-patient	<input type="checkbox"/> (B960549) <input type="checkbox"/> (B960550) (B960552) <input type="checkbox"/> (B960551)
	(B960554)		
Q40C1-Q40C4 See List of Open-coded Variables	At home <input type="checkbox"/> On the road <input type="checkbox"/> At work <input type="checkbox"/> Playing sport <input type="checkbox"/> Elsewhere <input type="checkbox"/> Please say where	GP Hospital casualty dept Hospital in-patient	<input type="checkbox"/> (B960555) <input type="checkbox"/> (B960556) (B960558) <input type="checkbox"/> (B960557)
	(B960560)		
Q40D1-Q40D4 See List of Open-coded Variables	At home <input type="checkbox"/> On the road <input type="checkbox"/> At work <input type="checkbox"/> Playing sport <input type="checkbox"/> Elsewhere <input type="checkbox"/> Please say where	GP Hospital casualty dept Hospital in-patient	<input type="checkbox"/> (B960561) <input type="checkbox"/> (B960562) (B960564) <input type="checkbox"/> (B960563)

If there is not enough space, you can continue your answer on page 15.

41. Do you suffer from any long term health problem, long standing illness, infirmity or disability of any kind?
Please include any you have already reported. Please tick one box only

(B960566)

- No Don't know Yes **L Please describe below**

Q410TH1-Q410TH6 - See List of Open-coded Variables

If there is not enough space, you can continue your answer on page 15.

Drinking and Smoking

42. How often do you have an alcoholic drink?

Please tick one box only

- (B960567)
- | | | | |
|----------------------|--------------------------|---------------------------|--------------------------|
| Most days | <input type="checkbox"/> | Less often/occasionally | <input type="checkbox"/> |
| 3 or 4 times a week | <input type="checkbox"/> | Only on special occasions | <input type="checkbox"/> |
| Once or twice a week | <input type="checkbox"/> | Never drink alcohol | <input type="checkbox"/> |

43. In the last week I have drunk:

Please tick box or write in amount for each

No alcohol at all (B960612)

Amount

- | | | | |
|---|-----------|---|--|
| Shandy | (B960619) | _____ pints | Enter "0" (zero) for any not drunk in the last week |
| Beer/lager | (B960615) | _____ pints | |
| Low alcohol beers/lagers | (B960617) | _____ pints | |
| Cider | (B960619) | _____ pints | |
| Low alcohol cider | (B960621) | _____ pints | |
| Wine | (B960623) | _____ glasses | |
| Low alcohol wine | (B960625) | _____ glasses | |
| Spirits (Gin, Whisky, Vodka, Rum, Brandy) | (B960627) | _____ single measures | |
| Martini/Cinzano/Sherry | (B960629) | _____ small glasses | |
| Other alcoholic drink | (B960631) | <input type="checkbox"/> Please give details below | |

Name of other alcoholic drink

Amount

Q430TH01-Q430TH13 - See List of Open-coded Variables

If there is not enough space, you can continue your answer on page 15 .

44. Which of the following describes your smoking habit?

Please tick one box only

- (B960632)
- | | |
|--|--------------------------|
| I've never smoked | <input type="checkbox"/> |
| I used to smoke but don't at all now | <input type="checkbox"/> |
| I now smoke occasionally but not every day | <input type="checkbox"/> |
| I smoke every day | <input type="checkbox"/> |

★ **IF YOU DO SMOKE:** How many of the following do you usually smoke in a day?
Please write in

Number of cigarettes: _____ (B960633)

Number of cigars: _____ (B960635)

How You Feel

45. These questions are concerned with how you are feeling generally. Please answer them by ticking either the "Yes" or "No" box for each one. It is important that you try to answer **ALL** the questions.

	Yes	No
Do you often have backache?	<input type="checkbox"/>	<input type="checkbox"/> (B960637)
Do you feel tired most of the time?	<input type="checkbox"/>	<input type="checkbox"/> (B960638)
Do you often feel miserable or depressed?	<input type="checkbox"/>	<input type="checkbox"/> (B960639)
Do you often have bad headaches?	<input type="checkbox"/>	<input type="checkbox"/> (B960640)
Do you often get worried about things?	<input type="checkbox"/>	<input type="checkbox"/> (B960641)
Do you usually have great difficulty in falling or staying asleep?	<input type="checkbox"/>	<input type="checkbox"/> (B960642)
Do you usually wake unnecessarily early in the morning?	<input type="checkbox"/>	<input type="checkbox"/> (B960643)
Do you wear yourself out worrying about your health?	<input type="checkbox"/>	<input type="checkbox"/> (B960644)
Do you often get into a violent rage?	<input type="checkbox"/>	<input type="checkbox"/> (B960645)
Do people often annoy and irritate you?	<input type="checkbox"/>	<input type="checkbox"/> (B960646)
Have you at times had twitching of the face, head or shoulders?	<input type="checkbox"/>	<input type="checkbox"/> (B960647)
Do you often suddenly become scared for no good reason?	<input type="checkbox"/>	<input type="checkbox"/> (B960648)
Are you scared to be alone when there are no friends near you?	<input type="checkbox"/>	<input type="checkbox"/> (B960649)
Are you easily upset or irritated?	<input type="checkbox"/>	<input type="checkbox"/> (B960650)
Are you frightened of going out alone or of meeting people?	<input type="checkbox"/>	<input type="checkbox"/> (B960651)
Are you constantly keyed up and jittery?	<input type="checkbox"/>	<input type="checkbox"/> (B960652)
Do you suffer from indigestion?	<input type="checkbox"/>	<input type="checkbox"/> (B960653)
Do you suffer from an upset stomach?	<input type="checkbox"/>	<input type="checkbox"/> (B960654)
Is your appetite poor?	<input type="checkbox"/>	<input type="checkbox"/> (B960655)
Does every little thing get on your nerves and wear you out?	<input type="checkbox"/>	<input type="checkbox"/> (B960656)
Does your heart often race like mad?	<input type="checkbox"/>	<input type="checkbox"/> (B960657)
Do you often have bad pains in your eyes?	<input type="checkbox"/>	<input type="checkbox"/> (B960658)
Are you troubled with rheumatism or fibrositis?	<input type="checkbox"/>	<input type="checkbox"/> (B960659)
Have you ever had a nervous breakdown?	<input type="checkbox"/>	<input type="checkbox"/> (B960660)

And Finally...

46. How interested would you say you are in politics?

Please tick one box only

(B960661)

Very interested Fairly interested Not very interested Not at all interested

47. If there was a general election tomorrow, which political party would you vote for?

Please tick one box only

(B960662)

Would not vote	<input type="checkbox"/>	Plaid Cymru	<input type="checkbox"/>
Conservative	<input type="checkbox"/>	Scottish National	<input type="checkbox"/>
Labour	<input type="checkbox"/>	Other party	<input type="checkbox"/> Please say which below
Liberal Democrat	<input type="checkbox"/>		

Q47OTHER - See List of Open-coded Variables

48. Do you regard yourself as belonging to any particular religion?

Please tick one box and write in if appropriate

(B960663)

No, no religion Yes **Please say which below**

Q48 - See List of Open-coded Variables

49. How do you feel your standard of living compares to most other people your age?

Please tick one box only

(B960664)

Much better A bit better The same A bit worse Much worse

50. Generally speaking, which of these two statements is most true for you?

Please tick one box only

(B960665)

I usually have a free choice and control over my life

Whatever I do has no real effect on what happens to me

51. Here is a scale from 0 to 10. On it, "0" means that you are completely dissatisfied and "10" means that you are completely satisfied. **Please tick the box with the number above it which shows how dissatisfied or satisfied you are about the way your life has turned out so far.**

Completely
Dissatisfied

0	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Completely
Satisfied

(B960667)

(B960666)

Thank you for taking the time to complete this questionnaire.

Please use the space below to:

- ☆ Continue your answer to any question
 - ☆ Tell us anything you like about your life that our questions have not covered.
-

(B960668)

Please continue on a separate sheet of paper if necessary.

This is the end of the questions.

THANK YOU FOR ALL YOUR HELP!

Please return your completed questionnaire in the envelope provided.

List of Open-coded Variables

Q5a) Other academic qualification

Q5A01 Other academic qualification #01
Q5A02 Other academic qualification #02
Q5A03 Other academic qualification #03
Q5A04 Other academic qualification #04
Q5A05 Other academic qualification #05
Q5A06 Other academic qualification #06
Q5A07 Other academic qualification #07
Q5A08 Other academic qualification #08
Q5A09 Other academic qualification #09
Q5A10 Other academic qualification #10
Q5A11 Other academic qualification #11
Q5A12 Other academic qualification #12

Q5b) Other vocational qualification

Q5B01 Vocational qualification #01
Q5B02 Vocational qualification #02
Q5B03 Vocational qualification #03
Q5B04 Vocational qualification #04
Q5B05 Vocational qualification #05
Q5B06 Vocational qualification #06
Q5B07 Vocational qualification #07
Q5B08 Vocational qualification #08
Q5B09 Vocational qualification #09
Q5B10 Vocational qualification #10
Q5B11 Vocational qualification #11
Q5B12 Vocational qualification #12

Q11 Other economic status

Q11OTH1 Q11 Other economic status 1
Q11OTH2 Q11 Other economic status 2

Q13 Name or title of job/Q14 Type of work

SOC CASOC CURRENT JOB: SOC-Stand Occ Classifcn
CAMSUB CASOC CURRENT JOB: Cambridge Sub-Group, etc
EMPIN CASOC CURRENT JOB: Employment Status-input
EMPCHK CASOC CURRENT JOB: Employment Status-check
CAMSCALM CASOC CURRENT JOB: Cambridge Score-MALES
CAMSCALF CASOC CURRENT JOB: Cambridge Score-FEMALES
SEG91 CASOC CURRENT JOB: Socio-Economic Group '91
RGSC91 CASOC CURRENT JOB: RGs Social Class 1991
ISCO CASOC CURRENT JOB: ISCO '88-Int Occ Classfn
KOS CASOC CURRENT JOB: KOS-Key Occs for Stats
CODOT CASOC CURRENT JOB: CODOT - 3 digit
OPCOD81 CASOC CURRENT JOB: OPCS '81-Operatnl Code
OUG81 CASOC CURRENT JOB: OPCS '81-Occupn Unit Grp
SEG81 CASOC CURRENT JOB: Socio-Economic Group '81
RGSC81 CASOC CURRENT JOB: RGs Social Class 1981
OUG71 CASOC CURRENT JOB: OPCS '71-Occupn Unit Grp
SEG71 CASOC CURRENT JOB: Socio-Economic Group '71
RGSC71 CASOC CURRENT JOB: RGs Social Class 1971
OUG66 CASOC CURRENT JOB: RGs '66-Occupn Unit Grp
SEG66 CASOC CURRENT JOB: Socio-Economic Group '66
RGSC66 CASOC CURRENT JOB: RGs Social Class 1966
OUG61 CASOC CURRENT JOB: RGs '61-Occupn Unit Grp
SEG61 CASOC CURRENT JOB: Socio-Economic Group '61
RGSC61 CASOC CURRENT JOB: RGs Social Class 1961
GOLDTH90 CASOC CURRENT JOB: Goldthorpe Soc Class '90
GOLDTH80 CASOC CURRENT JOB: Goldthorpe Soc Class '80
GOLDTH70 CASOC CURRENT JOB: Goldthorpe Soc Class '70

Q19 Other pay period

Q19OTHER Q19 Other pay period

Q31 Other tenure

Q31OTHER Q31 Other tenure

Q38 Other health problem

Q38OTH1 Q38 Other health problem 1
Q38OTH2 Q38 Other health problem 2
Q38OTH3 Q38 Other health problem 3
Q38OTH4 Q38 Other health problem 4
Q38OTH5 Q38 Other health problem 5
Q38OTH6 Q38 Other health problem 6

Q39 Other sight problem

Q39_1 Q39 Other sight problem #1
Q39_2 Q39 Other sight problem #2

Q40 Accident, injury or assault

Q40A1 Q40 Accident, etc 1/Injury 1
Q40A2 Q40 Accident, etc 1/Injury 2
Q40A3 Q40 Accident, etc 1/Injury 3
Q40A4 Q40 Accident, etc 1/Injury 4
Q40B1 Q40 Accident, etc 2/Injury 1
Q40B2 Q40 Accident, etc 2/Injury 2
Q40B3 Q40 Accident, etc 2/Injury 3
Q40B4 Q40 Accident, etc 2/Injury 4
Q40C1 Q40 Accident, etc 3/Injury 1
Q40C2 Q40 Accident, etc 3/Injury 2
Q40C3 Q40 Accident, etc 3/Injury 3
Q40C4 Q40 Accident, etc 3/Injury 4
Q40D1 Q40 Accident, etc 4/Injury 1
Q40D2 Q40 Accident, etc 4/Injury 2
Q40D3 Q40 Accident, etc 4/Injury 3
Q40D4 Q40 Accident, etc 4/Injury 4

Q41 Disability

Q41OTH1 Q41 Disability 1
Q41OTH2 Q41 Disability 2
Q41OTH3 Q41 Disability 3
Q41OTH4 Q41 Disability 4
Q41OTH5 Q41 Disability 5
Q41OTH6 Q41 Disability 6

Q43 Other alcoholic drink

Q43OTH01 Shandy (pints)
Q43OTH02 Beer/lager (pints)
Q43OTH03 Low alcohol beer/lager (pints)
Q43OTH04 Cider (pints)
Q43OTH05 Low alcohol cider (pints)
Q43OTH06 Wine (glasses)

Q43OTH07 Low alcohol wine (glasses)
Q43OTH08 Spirits (single measure)
Q43OTH09 Martini, etc (small glasses)
Q43OTH10 Alcopops (bottles)
Q43OTH11 Liqueur (small glasses)
Q43OTH12 Other alcohol
Q43OTH13 Other answer

Q47 Other party vote

Q47OTHER Vote for other party

Q48 Religion

Q48 Q48 Religion

SECTION 4

APPENDICES

APPENDIX 1:Summary of Information Collected at Birth, 5, 10, 16 and 26 years.

APPENDIX 2:Publications and Reports.

APPENDIX 3:Coding frames for open-ended questions

APPENDIX 4:Derived Variables

APPENDIX 1

Summary of Information Collected at Birth, 5, 10, 16 and 26 years

BCS70: Summary of Information Collected at Birth, 5, 10, 16 and 26 years.

A2 1 This Appendix provides a brief summary of the wide range of information that has been collected from and about BCS70 cohort members during the birth survey and subsequent follow-ups

British Birth Survey: 1970

Parents

Father's occupation
Mother's occupation
Marital status
Child care
Mother's smoking during pregnancy
Contraception
Antenatal care

Medical

Abnormalities during pregnancy
Length & abnormalities of labour
Analgesia & Anaesthesia
Sex, weight, progress, management & outcome of infant
Obstetric history

1970 British Cohort Study, First Follow-up (Child Health and Education Study). 1975

Parents

Social and family background
Environmental background
Assessment of the child's behaviour

Medical

Height and head circumference
Use of health services
Screening and assessment procedure
High risk factors

Subject

Human figure drawing test
Copying designs test
English picture vocabulary test
Schonell graded reading test
Complete-a-profile test

1970 British Cohort Study, Second Follow-up (Child Health and Education Study): 1980

Parents

Medical history
Accidents
Use of health services
Father's occupation
Mother's occupation
Type of accommodation
Parent's level of education
household amenities
Neighbourhood
Hospital admissions
Clinic attendance
The child at school
Child's skills
Child's behaviour Maudsley Parental Behaviour
Inventory
Mother's health Cornell Health Inventory

Medical

Medical examination
Disability and chronic illness
Height and weight
Head circumference
Blood pressure
Pulse
Near and distant vision
Audiometry
Laterality
Co-ordination

School

School composition
Curriculum
Discipline and ethos
Teacher's assessment of child's ability
Maudsley Behaviour Inventory
Conners Hyperactivity Scale

Subject

Academic success
Smoking
Attitudes to school
Food and drink consumed
Caraloc scale (ability to 'control' destiny)
Lawseq Self-esteem scale
Eysenck Personality Inventory
English Picture Vocabulary Test
Writing, copying and spelling tests
Social judgement scale
British ability scales
Mathematics test
Shortened Edinburgh Reading Test

1970 British Cohort Study, Third Follow-up (YOUTHSCAN) 1986

Parents

Health status
Family health
Chronic illness and disability
Medication
Accidents and injuries
Use of health services
Social experience
Father's occupation
Mother's occupation
Parental situation
Family finances
Household amenities
Accommodation type
Number of rooms
Neighbourhood
Alcohol consumption
Smoking
Performance at school
Life skills
Behaviour

Medical

Special requirements
Chronic illness and disability
Psychological/psychiatric problems
Medical examination
Blood pressure
Distant and near vision tests
Motor co-ordination tests
Audiometry
Height and weight
Head circumference

School

Curriculum
Teaching methods
Special education
Teacher's assessment of behaviour
Academic achievement
Academic potential
Absences from school

Subject

Exercise and sporting activities
Hygiene
Diet (including a four day diary)
Diary of all activities over four days
Leisure activities
Family life
Religion
Leaving home
Money
Smoking
Alcohol
Laterality
Television, video and radio
Friends and social behaviour
Law and order
Sexual behaviour
Self-esteem
Health status
Medical history
Attitudes to health and emotions
Drug use
School
Occupational interests
Reading, spelling and vocabulary tests
Mathematics tests
Life-skills test (education, training and employment)

1970 British Cohort Study, Fourth Follow-up (BCS70). 1996

Subject

Views on	Relationships marriage and children
politics	current relationships
sex equality	marital status
law and order	date of (most recent) marriage
traditional marital values	when started living with any partner
work	economic status of spouse/partner
standard of living	has spouse/partner children from a previous
life satisfaction	relationship
feels in control of life	number of children
Training, qualifications, skills	current spouse/partner the other parent of
date left school	some/all children
date left full-time education	do all children live with CM
nature and number of training courses	household composition
nature and number of academic and vocational	year began living at current address
qualifications gained	tenure
self-perceived skills	number of rooms in accommodation
Employment history	Health
number of jobs	self-assessment of general health
number of periods unemployed	self-reported height
length of longest period of unemployment	self-reported weight
number/nature of periods out of the labour force	experience of c20 medical conditions/symptoms
current economic status	since 16
details of any current job	eyesight problems
year job started	details of accidents/injuries/assaults since 16
job title	disability
work done	drinking and smoking habits
nature of employers business	Malaise Inventory - depression
number of employees	Other
number supervised	voting intentions
average weekly hours	religious affiliation
usual take home pay	

APPENDIX 2

Publications and Reports.

BOOKS AND MONOGRAPHS

- Butler, N.R., Golding, J. with Howlett, B.C. (eds) 1986
From Birth to Five: A Study of the Health and Behaviour of Britain's Five year olds.
Oxford: Pergamon Press.
- Bynner, J., and Steedman, J., 1995
Difficulties with Basic Skills. Findings from the 1970 British Cohort Study.
London: Basic Skills Agency (BSA).
- Bynner, J., Ferri, E., Shepherd, P. 1997
Twenty- something in the 1990s: Getting on, Getting by, Getting Nowhere.
Aldershot: Ashgate.
- Bynner, J. and Parsons, S. 1997
Adult Life and Basic Skills.
London: Basic Skills Agency.
- Chamberlain, G., Philipp, E., Howlett, B.C. and Masters, K. 1978
British Births: Vol. 2 Obstetric Care.
London: Wm Heinemann.
- Chamberlain, R., Chamberlain, G., Howlett, B.C. and Claireaux, A. 1975
British Births: Vol. 1. The First Week of Life.
London: Wm Heinemann.
- Chamberlain, R.N. and Simpson, R.N. 1979
The Prevalence of Illness in Childhood.
Tunbridge Wells: Pitman Medical.
- Ekinsmyth, C. and Bynner, J. 1994
The Basic Skills of Young Adults. Some findings from the 1970 British Cohort Study.
London: Adult Literacy and Basic Skills Unit: (ALBSU).
- Furlong, A. 1993
Schooling for Jobs: Change in the career preparation of British secondary school children.
Aldershot: Avebury.
- Osborn, A.F. and Butler, N.R. 1985
Ethnic Minority Children. A Comparative Study from Birth to Five Years.
London: Commission for Racial Equality.
- Osborn, A.F., Butler N.R. and Morris, A.C. 1984
The Social Life of Britain's Five Year Olds. A report of the Child Health and Education Study.
London: Routledge and Kegan Paul.
- Osborn, A.F. and Milbank, J.E. 1987
The Effects of Early Education. A report from the Child Health and Education Study of children in Britain born 5-11 April 1970.
Oxford: Clarendon Press.
- St. Claire, L. and Osborn, A.F. 1987
The ability and behaviour of children who have been 'in care' or separated from their parents. Report to the Economic and Social Research Council. *Early Child Development and Care, Volume 28, Monograph pp 187 - 354.*

CHAPTERS IN BOOKS

Atkinson, S. and Butler, N.R. 1985

Vision problems in under 5's.

In: *The At-Risk Infant: Psycho/Socio/Medical Aspects* Harel, S. and Anastasiow, N.J. (eds).

London: Paul Brookes Publishing Co.

Britten, N. and Heath, A. 1983

Women and men and social class.

In: *Gender, Class and Work*. Gamarnikow, E., Morgan, D., Purvis, J. and Taylorson, D. (eds).

London: Heinemann.

Butler, N.R. 1977

Family and community influences on 0-5's; utilisation of pre-school day care and preventive health care.

In: *Implications for parents, the public and policy makers on 0-4's - a changing population. Papers from a seminar of Institute of Child Health, University of London, 20 May 1977*

Voluntary Organisations' Liaison Council for Under Five's; pp 30-32.

Bynner, J. 1995

Skills and Disadvantage in Labour Market Entry.

In: *Berufsstart benachteiligter, Jugendlicher in Europa - Konzepte zur beruflichen Integration im regionalen Kontext*.

Haubrich, K. and Reubel, F. (eds)

DJI-Arbeitspapier Nr. 2-095, Munich: DJI.

Bynner, J. 1996

Resisting Unemployment : The Role of Education and Training in Different Labour Markets. In: *Youth, Work, Unemployment and Identity* Verhaar, C.H.A. and de Klaver, P.M. (eds.)

Aldershot: Avebury.

Bynner, J. 1998

New Routes to Employment : Integration and Exclusion. In: *From Education to Work: Cross National Perspectives*

Heinz, W.R. (ed).

Cambridge University Press.

Dowling, S.F.O. 1977

The interrelationship of children's use of child health clinics and day care facilities in the pre-school years.

In: *Implications for parents, the public and policy makers on 0-4's - a changing population. Papers from a seminar of Institute of Child Health, University of London, 20 May 1977*.

Voluntary Organisations' Liaison Council for Under Five's; pp 63-67.

Evans, J.A., Golding, J. 1990

Parental smoking and respiratory problems in childhood.

In: *The Effects of Smoking on the Foetus, Neonate and Child*.

Ciba Foundation Symposium. p 121

Golding, J. 1984

Britain's national cohort studies.

In: *Progress in Child Health, Volume 1* Macfarlane, J.A. (ed).

Edinburgh: Churchill Livingstone; pp 178-186.

Golding, J. 1986

Child Health and the Environment.

In: *British Medical Bulletin*. 42: pp 204-211.

Golding, J. 1986

Cross-cultural correlates of ill health in childhood

In: *The Health and Development of Children*. Miles, H.B. & Still, E. (eds).

Driffield, Humberside. Nafferton Books, pp. 563.

Golding, J. 1988

Does illegitimacy affect the baby?

In: *Proceedings of the European Study Group on Social Aspects of Reproduction Fifth Annual Meeting, Malta 1987.*

Grech, G.S. & Savonna, Ch. (eds). Ventura, pp 14-25.

Golding, J. 1989

Illegitimate births: Do they suffer in the long term?

In: *Early Influences Shaping the Individual.* Doxiadis, S. & Stewart, S. (eds).

New York: Plenum Press, pp. 11-121.

Golding, J. and Butler, N.R. 1983

Convulsive disorders in the Child Health and Education Study.

In: *Research Progress in Epilepsy.* Clifford Rose, G. (ed.).

London: Pitman; pp 6070.

Golding, J. and Butler, N.R. 1984

The socio-economic factor.

In: *Prevention of Perinatal Mortality and Morbidity* Falkner, F. (ed).

Basel: Karger. pp 3146.

Golding, J. and Butler, N.R. 1984

Wheezing and stress?

In: *Stress and Disability in Childhood: The long-term problems.* Butler, N.R. and Corner, B.D. (eds.).

Bristol: John Wright; pp 8789.

Golding, J. and Greenwood, R.

Intramuscular vitamin K and childhood cancer: two British studies.

In: *Vitamin K in Infancy.* Sutor and Hathaway (eds).

Stuttgart: Schattauer, 1995.

Haslum, M.N., Morris, A.C. and Butler, N.R. 1985

A cohort study of special educational needs in ten-year-olds in the United Kingdom.

In: *Understanding Learning Disabilities International and Multidisciplinary Views.* Duane,

D.D. and Leong, C.K. (eds).

New York: Plenum Press.

Osborn, A.F. 1986

Family history and child behaviour the problem and value of studying the effects of change.

In: *Proceedings of the International Conference on Longitudinal Methodology,*

Mednick, S. and Horvath, I. (eds) Budapest

Peters, T.J. 1989

Later results of obstetrical care.

In: *Obstetrics.* Turnbull, A. and Chamberlain, G. (eds).

Edinburgh: Churchill Livingstone; pp. 1063075.

Peters, T. and Golding, J. 1985

Assessing risk assessment.

In: *Advances in Perinatal Medicine, Vol. 4* Milunsky, A., Friedman, E.A. and Gluck, L. (eds).

New York: Plenum Press; pp. 235-266.

Pollock, J.I., 1989

Health behaviour of women and long term associations in their children.

In: *The Needs of Parents and their children* Alberman E. (ed).

Health Promotion Research Trust, pp. 7-17

Pollock, J.I. 1990

A preliminary analysis of interactions between smoking and infant feeding.

In: *The Effects of Smoking on the Foetus, Neonate and Child.*

Ciba Foundation Symposium. pp 108-120

Stewart-Brown, S. 1986

Visual defects in school children. Screening policy and educational implications.

In: *Progress in Child Health, Volume 3* Macfarlane, J.A. (ed).

London: Churchill Livingstone. pp 14-37

Verity, C.M. and Ross, E.M. 1985

Longitudinal Studies of children's epilepsy.

In: *Paediatric Perspectives on Epilepsy* Ross, E. and Reynolds, E. (eds)

Chichester: Wiley pp 133-140.

Wadsworth, M.E.J., Peckham, C.S. and Taylor B. 1984

The role of national longitudinal studies in the prediction of health, development and behaviour.

In: *Monitoring Child Health in the United States: Selected Issues and Policies* Walker, D.K. and Richmond, J.B. (eds).

Cambridge, Massachusetts: Harvard University Press, pp. 68-83.

ARTICLES IN JOURNALS

Banks, M.H and Roker, D.

Work Attitudes, Knowledge and Attributions of Private and State School Pupils: Evidence from the YOUTHSCAN Study

British Journal of Education and Work 1993; 6: 41-56.

Barker, D.J.P., Osmond, C., Golding, J. Wadsworth, M.E.J.

Acute appendicitis and bathrooms in three samples of British children.

British Medical Journal 1988; 296: 956-8.

Barker, D.J.P., Osmond, C., Golding, J., Kuh, D. & Wadsworth, M.E.J.

Growth in utero, blood pressure in childhood and adult life, and mortality from cardiovascular disease.

British Medical Journal 1989; 298: 564-567.

Barker, DJP., Osmond, C., and Golding, J.

Height and mortality in the countries of England and Wales

Annals of Human Biology 1990; 17: 1-6

Baumer, J.H., Wadsworth, J., Taylor, B.

Family recovery after death of a child.

Archives of Disease in Childhood 1988; 63: 942-47.

Bijur, P.E., Golding, J., Haslum, M.

Persistence of occurrence of injury: Can injuries of pre-schoolers predict injuries of school age children?

Paediatrics 1988; 82: 707-712.

- Bijur, P.E., Haslum, M. and Golding, J.
Cognitive and Behavioural Sequelae of Mild Head Injury in Children.
Pediatrics 1990; 86: 337-344.
- Bijur, P.E., Golding, J., Kurzon, M.
Childhood accidents, family size and birth order.
Social Science and Medicine 1988; 26: 839-843.
- Bijur, P.E., Stewart-Brown, S. and Butler, N.
Child behaviour and accidental injury in 11, 966 pre-school children.
American Journal of Diseases of Children 1986; 140: 487-92.
- Bijur, P., Golding, J., Haslum, M., Kurzon, M.
Behavioural predictors of injury in school children.
American Journal of Diseases of Children 1988; 142: 1307-1312.
- Brewer, R.I.
Some anomalies in social class coding and the official view of the professions.
Sociology 1984; 18: 383-92.
- Brewer, R.I.
A note on the changing status of the Registrar General's classification of social class.
British Journal of Sociology 1986; 37: 131-40.
- Brewer, R.I. and Haslum, M.N.
Ethnicity, and experience of social disadvantage and educational attainment.
British Journal of the Sociology of Education 1986; 7: 19-34.
- Burford, M. and Golding, J.
Season of birth and atopic disease.
Medical Science Research, 1987; 15: 841-842.
- Burnell, I. and Wadsworth, J.
Home truths.
One-Parent Times. 1982; 8: 8-12.
- Butler, N.R.
Child Health and Education in the Seventies: some results on the 5 year follow-up of the 1970 British Births Cohort.
Health Visitor 1980; 53: 81-82.
- Butler, N.R., Golding, J., Haslum, M. and Stewart-Brown, S.
Recent findings from the 1980 Child Health and Education Study (Section of epidemiology and community medicine meeting held 11 February 1982).
Journal of the Royal Society of Medicine 1982; 75: 781-4.
- Butler, N.R.,
Preventing childhood handicap.
Action Research 1984; 2: 9-10.

- Bynner, J.
Basic Skills in Adolescents' Occupational Preparation
Career Development Quarterly. 1997; 45: 305-321
- Bynner, J.
Education and family components in the transition from school to work.
International Journal of Behavioural Development 1998; 22: 29-53
- Chamberlain, R. and Davey, A.
Physical growth in twins, postmature and small-for-dates children.
Archives of Disease in Childhood 1975, 50: 437-442.
- Chamberlain, R. and Davey, A.
Cross-sectional study of developmental test items in children aged 94 to 97 weeks: report of the British Births Child Study
Developmental Medicine and Child Neurology 1976; 18: 54-70.
- Chamberlain, R.N. and Simpson, R.N.
Cross-sectional studies of physical growth in twins, postmature and small for dates children.
Acta Paediatrica Scandinavica 1977; 66: 457-463.
- Charlton, A. and While, D.
Smoking and menstrual problems in 16-year-olds.
Journal of the Royal Society of Medicine, 1996; 89:193-195
- Charlton, A. and While, D.
Blood pressure and smoking : observations on a national cohort.
Archives of Disease in Childhood 1995; 73: 294-297.
- Cooke, K. and Lawton, D.
Housing circumstances and standards of families with disabled children.
Child Care, Health and Development 1985; 11: 71-79.
- Cooke, K. and Lawton, D.
Informal support for the carers of disabled children.
Child Care, Health and Development 1984; 10: 67-79.
- Cooke, K., Bradshaw, J., Lawton, D. and Brewer, R.
Child disablement, family dissolution and reconstruction.
Developmental Medicine and Child Neurology 1986; 28: 610-616.
- Cooke, K. Bradshaw, J. and Lawson, D.
Take up of benefits by families with disabled children.
Child Care, Health and Development 1983; 9:145-156.
- Crawley, H.F.,
The energy, nutrient and food intakes of teenagers aged 16-17 years in Britain: 1. Energy, macronutrients and non-starch polysaccharides.
British Journal of Nutrition 1993; 70: 15-26.
- Crawley, H.F.
The role of breakfast cereals in the diets of 16-17-year-old teenagers in Britain.
Journal of Human Nutrition and Dietetics 1993; 6: 205-216.
- Crawley, H.F.
Dietary and lifestyle difference between Scottish teenagers and those living in England and Wales.
European Journal of Clinical Nutrition 1997; 51: 87-91

- Crawley, H. and Portides, G.
Self-reported versus measured height, weight and body mass index amongst 16-17 year old British teenagers
International Journal of Obesity, 1995; 19:579-584.
- Crawley, H. and Summerbell, C.
Feeding frequency and BMI among teenagers.
International Journal of Obesity 1997; 2: 151-161
- Crawley, H.F. and Shergill-Bonner, R.
The nutrient and food intakes of 16-17 year old female dieters in the UK.
Journal of Human Nutrition and Dietetics 1995; 8: 25-34.
- Crawley, H.F. and While, D.
The diet and body weight of British teenage smokers at 16-17 years.
European Journal of Clinical Nutrition 1995; 49: 904-914.
- Crawley, H.F. and While, D.
Parental smoking and the nutrient intake and food choice of British teenagers aged 16-17 years.
Journal of Epidemiology and Community Health 1996; 50: 306-312
- Ekinsmyth, C.
Large-scale longitudinal studies: their utility for geographical enquiry.
Area 1996; 28.3: 358-372
- Ekinsmyth, C.
The British longitudinal birth cohort studies: their utility for the study of health and place.
Health and Place 1996; 2: 15-26
- Emond, A. Golding, J. and Peckham, C.
Cerebral palsy in two national cohort studies.
Archives of Disease in Childhood 1989; 64: 848-852.
- Golding, J.
Accidents in the under five's.
Health Visitor. 1983; 56: 293-4.
- Golding, J. and Fredrick, A.
Infant sleeping difficulties and subsequent development.
Health Visitor 1986; 59: 245-6.
- Golding, J. and Fogelman, K.
Are Britain's children getting healthier?
Paediatric Reviews and Communication 1989; 3: 235-245.
- Golding, J., Henriques, J. and Thomas, P.
Unmarried at delivery. II: Perinatal Morbidity and Mortality.
Early Human Development 1986; 14: 217-227.
- Golding, J., Hicks, P. and Butler, N.R.
Blood groups and socio-economic class.
Nature 1984; 309: 396-397.
- Golding, J., Paterson, M. and Kinlen, L.J.
Factors associated with childhood cancer in a national cohort study.

British Journal of Cancer 1990; 62: 304-308.

Golding, J. and Peters, T.J.

What else do SIDS risk prediction scores predict?

Early Human Development 1985; 12: 247-260.

Golding, J. and Peters, T.J.

The Epidemiology of Childhood Eczema: I. A population based study of associations.

Paediatric & Perinatal Epidemiology 1987; 1: 67-79.

Golding, J. and Peters, T.J.

Are hospital confinements really more dangerous for the fetus?

Early Human Development 1988; 17: 29-36.

Golding, J. and Porter, C.

National cohort studies- the facts about Britain's children.

Health Visitor 1982; 55: 639-43.

Golding, J., Robinson, J., Henriques, J. and Thomas, P.

Does conception before marriage matter?

British Journal of Obstetrics and Gynaecology 1987; 94: 38-43.

Golding, J., Thomas, P.W. and Peters, T.J.

Does father's unemployment put the fetus at risk.

British Journal of Obstetrics and Gynaecology 1986; 93: 704-710.

Green, F., Hoskins, M., and Montgomery, S.

The effects of training, further education and YTS on the earnings of young employees.

Oxford Bulletin of Economics and Statistics 1996; 58: 469-488.

Haggard, M.P., Birkin, J.A., Browning, G.G., Gatehouse, S., and Lewis, S.

Behaviour problems in otitis.

Journal of Paediatric Infectious Disease 1994; 13: S43-50

Haslum, M.N.

Length of preschool hospitalisation, multiple admissions and later educational attainment and behaviour.

Child Care, Health and Development 1988; 14: 275-91.

Haslum, M.N.

Predictors of Dyslexia?

The Irish Journal of Psychology. 1989; 10 : 622-630.

Haslum, M.N., Morris, A.C. and Golding, J.

What do our ten year old children eat?

Health Visitor 1984; 57: 178-9.

Henriques, J., Golding, J. and Thomas, P.

Unmarried at delivery I: The Mothers and their care.

Early Human Development 1986; 14: 217-228.

Hirst, M.A.

Evaluating the Malaise Inventory: An item analysis.

Social Psychiatry 1983; 18: 181-184.

Hirst, M. and Cooke, K.

Grading severity of childhood disablement: comparing survey measures with a paediatrician's assessment.

Child Care, Health and Development 1988; 14: 111-126.

Hull, D.

Vitamin K and childhood cancer.

British Medical Journal 1992; 305: 326-327.

Lewis, S., Richards, D., Bynner, J., Butler, N.R., and Britton, J.

Prospective study of risk factors for early and persistent wheezing in childhood.

European Respiratory Journal 1995; 8: 349-356.

Lewis, S., Butland, B., Strachan, D., Bynner, J., Richards, D., Butler, N.R. and Britton, J.

Study of the aetiology of wheezing illness at age 16 in two national British birth cohorts.

Thorax 1996; 51: 670-676.

Miles, T.R. and Haslum, M.N.

Dyslexia: Anomaly or Normal Variation?

Annals of Dyslexia 1986; 6: 103-117.

Miles, T.R. and Haslum, M.N.

Evidence of dyslexia in a nationally representative sample of ten year olds.

Dyslexia Contact 1986 5: 2-5

Montgomery, S.M., Morris, D., Thompson, N., Subhani, J., Pounder, R. E. and Wakefield, A. J.

The prevalence of IBD in British 26-year olds in 1996 - a prospective national survey.

GASTROENTEROLOGY 1997; 112 (supl.): 1045.

Montgomery, S.M., Morris, D., Thompson, N., Subhani, J., Ebrahim, S., Pounder R.E. and Wakefield, A.J.

Inflammatory bowel disease in a national birth cohort.

Gut 1997; 40 (suppl. 1): A22.

Neuspiel, D.R., Rush, D., Butler, N.R., Golding, J., Bijur, P.E. and Kurzon, M.

Parental smoking and postinfancy wheezing in children: a prospective cohort study.

American Journal of Public Health 1989; 79: 1-4.

Osborn, A.F.

Maternal employment, depression and child behaviour.

Equal Opportunities Commission Research Bulletin 1984; 8: 48-67.

Osborn, A.F.

Assessing the socioeconomic status of families.

Sociology 1987; 21: 429-448.

Osborn, A.F.

Resilient Children: A longitudinal study of high achieving socially disadvantage children.

Early Child Development and Care 1990; 62: 23-47.

Osborn, A.F. and Morris, A.C.

Fathers and child care.

Early Child Development and Care 1982; 8: 279-307.

- Osborn, A.F.
Early Starters.
Child Education 1987; 64: 10-12.
- Osborn, A.F. and Morris, A.C.
The rationale for a composite index of social class and its evaluation.
British Journal of Sociology 1979; 30: 39-60.
- Park, E.S., Golding, J., Carswell, F. and Stewart-Brown, S.
Pre-school wheezing and prognosis at 10.
Archives Disease in Childhood 1986; 61: 642-646.
- Parsons, S. and Bynner, J.
Numeracy and Employment.
Education and Training 1997; 39: 43-51.
- Peters, T.J. and Golding, J.
Prediction of sudden infant death syndrome: an independent evaluation of four scoring methods.
Statistics in Medicine 1986; 5: 113-26.
- Peters, T.J. and Golding, J.
The Epidemiology of Childhood Eczema: II. Statistical analyses to identify independent early predictors.
Paediatric and Perinatal Epidemiology 1987; 1: 80-94.
- Peters, T.J., Golding, J., Butler, N.R., Fryer, J.G., Lawrence, C.J. and Chamberlain, G.V.P.
Plus ça change: predictors of birthweight in two national studies.
British Journal of Obstetrics and Gynaecology 1983; 90: 1040-5.
- Peters, T.J., Golding, J., Lawrence, C.J., Fryer, J.G., Chamberlain, G.V.P. and Butler, N.R.
Factors associated with delayed onset of regular respiration.
Early Human Development 1984; 9: 209-23.
- Peters, T.J., Golding, J., Lawrence, C.J., Fryer, J.G., Chamberlain, G.V.P. and Butler, N.R.
Delayed onset of regular respiration and subsequent development.
Early Human Development 1984; 9: 225-39.
- Peters, T., Harragin, R. and Golding, J.
Does delayed onset of regular respiration matter?
Health Visitor 1985; 58: 255-256.
- Peters, T., Harragin, R. and Golding, J.
Do the maternal and social factors related to birthweight change over time?
Health Visitor 1985; 58: 226-227.
- Pollock, J.I.
Nightwakers at 5yr - predictors and prognosis.
Journal of Child Psychology and Psychiatry 1994; 35: 699-708
- Pollock, J.I.
Incidence of breast-feeding and its relation to outcomes of health and development. Proceedings of the Second Milupa Symposium on Infant Feeding.
Maternal and Child Health (suppl.) 1989; 14: 6-8.
- Pollock, J.I.
Predictors and longterm associations of reported sleeping difficulties in infancy.
Journal of Reproductive and Infant Psychology 1992; 10: 151-168

Pollock, J.I.

Mature maternity: long term associations in first children born to older mothers in 1970 in the UK.
Journal of Epidemiology & Community Health 1996; 50: 429-435.

Pollock, J.I. and Golding, J.

Social epidemiology of chickenpox in two British national cohorts.
Journal of Epidemiology & Community Health 1993; 47: 274-281.

Rodgers, B.

The identification and prevalence of specific reading retardation.
British Journal of Educational Psychology 1983; 53: 369-373.

Roker, D.

The private sector of education: A review of past research and recommendations for future work.
Educational Studies 1992; 3: 227-298.

Rush, D. and Cassano, P.

Relationship of cigarette smoking and social class to birthweight and perinatal mortality among all births in Britain, 5 -11 April 1970.
Journal of Epidemiology and Community Health 1983; 37: 249-255.

Steptoe, A. and Butler, N.R.

Sports participation and emotional well-being in adolescents.
Lancet 1996; 347: 1789-1792.

Stewart, A. and Orme, J.

Why do adolescents smoke?
The Professional Nurse Nov 1988: 81-6

Stewart, A. and Orme, J.

Teenage smoking and health education.
Health Visitor 1989; 62: 91-4.

Stewart-Brown, S.

Spectacle prescribing among 10 year old children.
British Journal of Ophthalmology 1985; 69 (12) :874-880

Stewart-Brown, S.

Are spectacles overprescribed in childhood.
Research in Clinical Forums 1987, 9: 31-38.

Stewart-Brown, S. and Brewer, R.

The Significance of minor defects of visual acuity in school children: Implications for screening and treatment.
Trans. Ophthalmology Society, UK 150: 287-295.

Stewart-Brown, S. and Butler, N.R.

Visual acuity in a national sample of 10 year old children.
Journal of Epidemiology and Community Health 1985; 39: 107-112.

Stewart-Brown, S., Haslum, M. and Butler, N.R.

Evidence for increasing prevalence of diabetes mellitus in childhood.
British Medical Journal 1983; 286: 1855-1857.

Stewart-Brown, S., Haslum, M.N. and Butler, N.R.

Educational attainment of 10 year old children with treated and untreated visual defects.
Developmental Medicine and Child Neurology 1985; 27: 504-513.

- Stewart-Brown, S., Haslum, M., Howlett, B.
Pre-school vision screening: a service in need of rationalisation.
Archives of Disease in Childhood 1988; 63: 356-359.
- Stewart-Brown, S., Peters, T.J., Golding, J. and Bijur, P.
Case definition in childhood accident studies: a vital factor in determining results.
International Journal of Epidemiology 1986; 15: 352-359.
- Stewart-Brown, S. and Haslum, M.
Partial sight and blindness in children of the 1970 birth cohort at 10 years of age.
Journal of Epidemiology and Community Health 1988; 42: 17-23.
- Strachan, D.P., Golding, J., Anderson, H.R.
Regional variations in wheezing illness in British children: effect of migration during early childhood.
Journal of Epidemiology and Community Health 1990; 44: 231-236.
- Taylor, B.
Social factors and related influences on lower respiratory illness of early childhood.
Respiratory Disease in Practice 1984; 1: 30-5.
- Taylor, B. and Wadsworth, J.
Breast feeding and child development at five years.
Developmental Medicine and Child Neurology 1984; 26: 73-80.
- Taylor, B. and Wadsworth, J.
Maternal smoking during pregnancy and lower respiratory tract illness in early life.
Archives of Disease in Childhood 1987, 62: 786-791.
- Taylor, B., Wadsworth, J. and Butler, N.R.
Teenage mothering: admission to hospital and accidents during the first five years.
Archives of Disease in Childhood 1983; 58: 6-11.
- Taylor, B., Wadsworth, J., Golding, J. and Butler, N.R.
Breast feeding bronchitis and admissions for lower respiratory illness and gastro-enteritis during the first five years.
Lancet 1982; i: 1227-1229.
- Taylor, B. Wadsworth, J., Golding, J. and Butler, N.R.
Breast feeding, eczema and hay fever.
Journal of Epidemiology and Community Health 1983; 37: 95-99.
- Taylor, B., Wadsworth, J., Wadsworth, M. and Peckham, C.
Changes in the reported prevalence of childhood eczema since the 1949 war.
Lancet 1984; ii: 1255-7.
- Thomas, P.W., Golding, J. and Peters, T.J.
Delayed antenatal care: does it effect pregnancy outcome?
Social Science & Medicine 1991; 32: 715-723.

- Thomas, P.W., Haslum, M.N., MacGillivray, I., Golding, J.
Does fetal heart rate predict subsequent heart rate in childhood?
Early Human Development 1989; 19: 147-152.
- Thomas, P.W., Peters, T.J., Golding, J. and Haslum, M.N.
Weight-for-height in two national cohorts with particular reference to 10 year old children.
Annals of Human Biology 1989; 16: 109-119.
- Thomas, P.W., Peters, T.J., Golding, J. and Haslum, M.N.
Height, weight and blood pressures in ten year old children.
Human Biology 1989; 61: 213-225.
- Thorpe, K., Golding, J., MacGillivray, I and Greenwood, R.
Comparison of prevalence of depression in mothers of twins and mothers of singletons.
British Medical Journal 1991; 302: 875-878.
- Tissier, G.
Bedwetting at five years of age.
Health Visitor 1983; 56: 333-5.
- Van der Eyken, W., Osborn, A. and Butler, N.R.
Pre-schooling in Britain: A national study of institutional provision for under five's in England, Scotland and Wales.
Early Child Development and Care 1984 17: 79-122.
- Verity, C.M., Butler, N.R. and Golding, J.
Febrile convulsions in a national cohort followed up from birth. I: Prevalence and recurrence in the first five years of life
British Medical Journal 1985; 290: 1307-1310.
- Verity, C.M., Butler, N.R. and Golding, J.
Febrile convulsions in a national cohort followed up from birth.-Medical history and intellectual ability at 5 years of age.
British Medical Journal 1985; 290: 1311-1315.
- Verity, C.M. and Golding, J.
Risk of epilepsy after febrile convulsions: a national cohort study.
British Medical Journal 1991; 303: 1373-1376.
- Verity, C.M., Ross, E.M. and Golding, J.
Epilepsy in the first 10 years of life: findings of the child health and education study.
British Medical Journal 1992; 305: 857-861.
- Verity, C.M., Ross, E.M. and Golding, J.
Outcome of childhood status epilepticus and lengthy febrile convulsions: findings of national cohort study.
British Medical Journal 1993; 307: 225-228.
- Wadsworth, J., Burnell, I., Taylor, B. and Butler, N.R.
Family type and accidents in pre-school children.
Journal of Epidemiology and Community Health 1983; 37: 100-104.
- Wadsworth, J., Burnell, I., Taylor, B. and Butler, N.R.
The influence of family type on children's behaviour and development at five years.
Journal of Child Psychology and Psychiatry 1985; 26: 245-254.
- Wadsworth, J., Taylor, B., Osborn, A. and Butler, N.R.
Teenage mothering: child development at five years.
Journal of Child Psychology and Psychiatry 1984; 25: 305-14.

WORKING PAPERS

Bynner, J. (1994)

Basic Skills and Labour Market Entry

European Science Foundation Network on Transitions in Youth, Working Paper

Strasbourg: European Science Foundation.

Ekinsmyth C., Bynner J., Montgomery S. & Shepherd P. (1992)

An Integrated Approach to the Design and Analysis of the 1970 British Cohort Study and the National Child Development Study

Inter-Cohort Analysis Working Paper, SSRU, City University, London.

Green, F., Hoskins, M., and Montgomery, S. (1994)

The effects of training, further education and YTS on the earnings of young employees.

Discussion Papers in Economics, Dept Economics, University of Leicester.

Green, F. and Montgomery, S. (1996)

The quality of skill acquisition in young workers' first job.

Discussion Paper R96/17 The School of Business and Economic Studies, University of Leeds.

Montgomery, S. (1993)

Education and training in transition from education to employment. Some findings from the 1970 British Cohort Study.

1970 British Cohort Study Working Paper, SSRU, City University, London.

Roker, D. and Banks, M.H. (1992)

Education and Careers in Private and State Schools: Evidence from a National Longitudinal Study.

Social and Applied Psychology Unit Memo, No. 1352, Sheffield University.

Roker, D. (1992)

Is school type associated with particular views and opinions? An exploration of adolescent attitudes to politics, law-breaking, religion and topical issues.

Social and Applied Psychology Unit Memo, No. 1372, Sheffield University.

REPORTS

Bijur, P.E.

The Relationship Between Child Behaviour and Accidents from Birth to Five: A Multivariate Analysis of a National Cohort.

PhD Thesis. Columbia University, New York. 1984.

Butler, N.R., Haslum, M.N., Barker, W. and Morris, A.C.

Child Health and Education Study. First Report to the Department of Education and Science on the Year Follow-up.

Department of Child Health, University of Bristol. 1982.

- Butler, N.R., Haslum, M.N., Howlett, B.C., StewartBrown, S., Brewer, R.I. and Lyons, P.J.
Child Health and Education Study. Third Report to the Department of Health and Social Security on the 10-Year Follow-up. Volume 1. Clumsy children.
 Department of Child Health, University of Bristol. 1985.
- Butler, N.R., Haslum, M.N., Howlett, B.C., StewartBrown, S., Brewer, R.I., Prosser, H., Morris, A.C. and Lyons, P.J.
Child Health and Education Study: A Collection of Papers from the 10-Year Follow-up. Report to the Department of Health and Social Security.
 Department of Child Health, University of Bristol. 1983.
- Butler, N.R., Haslum, M.N., StewartBrown, S., Howlett, B.C., Prosser, H., Brewer, R., Porter, C.M. and Lyons, P.J.
Child Health and Education Study. First Report to the Department of Health and Social Security on the 10-Year Follow-up.
 Department of Child Health, University of Bristol. 1982.
- Butler, N.R., Taylor, B. and Wadsworth, J.
Teenage Mothering. Report to the Department of Health and Social Security.
 Department of Child Health, University of Bristol. 1981.
- Ekinsmyth, C. and Bynner, J.
Literacy and Numeracy Skills of British 21-year olds. Preliminary Report to the Adult Literacy and Basic Skills Unit (ALBSU)
 Social Statistics Research Unit, City University, London. 1993.
- Golding, J., Hicks, P. and Butler, N.R.
Eczema in the First Five Years. Report to the National Eczema Society.
 Department of Child Health, University of Bristol. 1982.
- Golding, J., Howlett, B.C. and Butler, N.R.
Immunisation Reactions and LongTerm Followup. Report to the Department of Health and Social Security.
 Department of Child Health, University of Bristol. 1981.
- Haslum, M.N.
Some origins of handicap and disadvantage in young children. Report to Action Research for the Crippled Child.
 Department of Child Health, University of Bristol. 1978.
- Henriques, J., Golding, J. and Thomas, P.
Children of single parents. The benefits and hazards. Volume 1. Single at delivery.
 Department of Child Health, University of Bristol. 1985.
- Osborn, A.F.
Pre-school Education in Britain. Report to the Leverhulme Trust
 Department of Child Health, University of Bristol. 1980.
- Osborn, A.F.
Resilient Children: A Longitudinal Study of High Achieving Socially Disadvantaged Children.
 Department of Child Health, University of Bristol. 1988.

Osborn, A.F.

Maternal Employment, Depression & Child Development. Report to the Economic & Social Research Council.
Institute of Child Health, University of Bristol. 1989.

Osborn, A.F., Morris, A.C. and Butler, N.R.

Regional Study of Children Born 511 April, 1970. Report to the Social Science Research Council.
Department of Child Health, University of Bristol. 1979.

Peters, T.J.

Statistical Investigation of Risk Indicators for Perinatal Outcome and Early Child Development.
PhD. Thesis University of Exeter. 1985.

Thomas, P. W.

Hypertensive disorders of pregnancy. Classification, prediction and outcome.
PhD Thesis University of Bristol. 1990

Thomas, P. , Golding, J. and Peters, T.

Delayed Attendance for Antenatal Care. Report to the Health Promotion Trust.
Department of Child Health, University of Bristol. 1986.

LETTERS TO JOURNALS

Golding, J., Butler, N.R. and Taylor, B.W.

Breast feeding and eczema/asthma.

Lancet 1982; i: 623.

Golding, J. and Haslum, M.N.

Breast feeding and diabetes.

Medical Science Research 1987; 15: 1135.

Peters, T.J., Golding, J. and Butler, N.R.

Breast-feeding and childhood eczema.

Lancet 1985; i: 49-50.

Pollock, J. I.

Mother's choice to provide breast milk and developmental outcome.

Archives of Diseases in Childhood 1989 64: 763-764.

Stewart-Brown, S.

Spectacle prescribing by opticians.

British Journal of Ophthalmology 1986; 70: 933.

Stewart-Brown, S.

Spectacle prescribing among 10-year-old children.

British Journal of Ophthalmology 1986; 70: 478.

Taylor, B., Wadsworth, J. and Wadsworth, M.E.J.

Rising incidence of eczema.

Lancet 1985 i: 464-465.

Taylor, B. and Wadsworth, M.E.J.

Young mothers and their children.

Lancet 1983; i: 928-929.

APPENDIX 3

Coding frames for open-ended questions

BCS70 1996 Follow-up: Coding frames for open-ended questions

Introduction

A3.1 The text of responses to open-ended questions was keyed by Eurodata and used to facilitate the coding of these questions by SSRU. Coding frames were selected to be compatible with those used for earlier BCS70 follow-ups, and to facilitate comparison with NCDS data. The coding was undertaken by especially trained SSRU staff, and was in all cases computer-assisted.

A3.2 Further details of the open-ended questions and the coding frames employed are given in Table 2.2 below.

Open-ended questions

A3.3 The information coded by SSRU include responses to: 'fully open' questions, where no precode was offered to the respondent; and 'other answers', where space was provided on the questionnaire for respondents to write in a response which was not matched by any of the precodes provided. The questions coded by SSRU are identified in Table A3.1 below.

Table A3.1 Questions coded by SSRU

Question	Items	Cases	
		%	Frame
Q5a) Other academic qualifications	12	32	BCS70(/NCDS)
Q5b) Other qualifications (vocational)	12	53	BCS70(/NCDS)
Q11 Other economic activity	2	4	BCS70
Q13 Job title/Q14 Type of work done	25	84	SOC, SEG, etc
Q15 Employers business	1	84	SIC
Q19 Other pay period	1	2	BCS70
Q31 Other tenure	1	6	BCS70
Q38 Other health problem	6	9	ICD 3 digit
Q39 Other sight problem	2	4	ICD
Q40 Injuries			
#1	4	43	NCDS(/ICD)
#2	4	21	NCDS(/ICD)
#3	4	9	NCDS(/ICD)
#4	4	4	NCDS(/ICD)
Q41 Disabilities	6	15	ICD 3 digit
Q43 Other alcohol	13	8	BCS70
Q47 Other vote	1	2	BCS70
Q48 Religion	1	39	BCS70(?NCDS)

Notes: See next page.

Notes to Table 3.1

Items: Maximum number of codings provided.

Cases %: Percentage of cases needing coding (estimated from current data)

Frame: Coding frame used:

BCS70(/NCDS): Coded using a frame originally developed for the National Child Development Study (NCDS), and modified where necessary following review of all BCS70 26-year survey responses.

BCS70: Coded using a frame developed following review of all BCS70 28-year survey responses.

SOC, SEG, etc: Coded using *Computer-assisted Standard Occupational Coding* (CASOC), developed by the Institute for Employment Research at the University of Warwick. This provides codings for the current Standard Occupational Classification (SOC), Socio-economic Group (SEG), and social class, as well as other occupational classifications, such as the KOS, CODOT, and Hope-Goldthorpe.

SIC: Coded using the Standard Industrial Classification (See: Central Statistical Office (1992) *Standard Industrial Classification of economic activities 1992* London: HMSO).

NB: This classification is not included in the initial deposit of data with the Data Archive.

ICD 3 digit: Coded using the International Classification of Diseases. The quality of the information supplied varied, so the 3 digit classification was used. (See: World Health Organisation (1977) *International Classification of Diseases: Volume 1, Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* Geneva, WHO)

ICD: Coded using the International Classification of Diseases. The information supplied enabled the use of the full classification.

NCDS(/ICD): Coded using a frame based on the ICD, and originally developed for the National Child Development Study (NCDS). Review of BCS70 26-year survey responses showed that the information supplied would not support the use of the unmodified ICD.

Coding frames

A3.4 Further details of the coding frames are given below.

QUALIFICATIONS

- Q5a) Other academic qualifications
- Q5b) Other qualifications (vocational)

Coded using a frame originally developed for the National Child Development Study (NCDS), and modified where necessary following review of all BCS70 26-year survey responses.

Coding frame

- No qualifications**
 - 1 No qualifications
- CSE/GCE/GCSE**
 - 2 CSE - grade 1
 - 3 CSE - other grades
 - 4 CSE - grade unclear/not given
 - 5 GCE "O" Level - passes or grades A-C
 - 6 GCE "O" Level - other grades
 - 7 GCE "O" Level - grade unclear/not given
 - 8 GCSE - grades A-C
 - 9 GCSE - other grades
 - 10 GCSE - grade unclear/not given
 - 11 GCE "A" Level
 - 12 GCE "S" Level
- Scottish O/Standard Grades/Highers**
 - 13 Scottish "O" Grade - passes or grades A-C
 - 14 Scottish "O" Grade - other grades
 - 15 Scottish "O" Grade - grade unclear/not given
 - 16 Scottish Standard Grade - grades 1-3
 - 17 Scottish Standard Grade - other grades
 - 18 Scottish Standard Grade - grade unclear/not given
 - 19 Scottish Higher Grade
 - 20 Scottish Certificate of 6th Year Studies
- Other "school" qualifications**
 - 21 Other academic qualification obtained at school in GB or abroad
- Higher Education - Certificates/Diplomas/Degrees**
 - 22 Higher Education (HE) Diploma
 - 23 First Degree (BA, BSc, BEd, etc)
 - 24 PGCE (Post Graduate Certificate in Education)
 - 25 Other Post Graduate Certificate
 - 26 Post Graduate Degree (MA, MSc, PhD, etc)
 - 27 Foundation course/qualification for higher educational qualification
 - 28 College/Polytechnic/University Certificate/Diploma - level unclear/not given Other Academic Qualification
 - 29 Other academic qualification
- Access Courses**
 - 30 Access course

NVQs - National Vocational Qualifications

- 31 NVQ - Level 1
- 32 NVQ - Level 2
- 33 NVQ - Level 3
- 34 NVQ - Level 4
- 35 NVQ - Level 5
- 36 NVQ - Level 6
- 37 NVQ - Level unclear/not given

Royal Society of Arts Award (RSA)

- 38 RSA - Stage 1
- 39 RSA - Stage 2
- 40 RSA - Stage 3
- 41 RSA - nature of qualification unclear/not given

Pitmans

- 42 Pitmans 1 (Elementary)
- 43 Pitmans 2 (Intermediate)
- 44 Pitmans 3 (Advanced)
- 45 Pitmans - level unclear/not given

C & G - City and Guilds, and Regional Examining Board Certificates

- 46 Operative
- 47 Craft/Intermediary/Ordinary/Part I
- 48 Advanced/Final/Part II or III
- 49 Full Technological (FTC)
- 50 Other City and Guilds
- 51 Insignia Award in Technology (CGIA)
- 52 City and Guilds - level unclear/not given

Joint Industry Board (JIB), National Joint Council (NJC) and Other Awards

- 53 JIB/NJC or other Craft/Technician certificate
- 54 JIB/NJC award - nature of qualification unclear/not given

Ordinary/Higher National Diplomas and Certificates

- 55 ONC/OND (or SNC/SND)
- 56 HNC/HND (or SHNC/SHND)

TEC/BEC/BTEC (or SCOTEC/SCOTBEC/SCOTVEC)

- 57 National General Certificate or diploma
- 58 Higher or Higher National Certificate or Diploma
- 59 TEC/BEC/BTEC/etc qualification - nature unclear/not given

Other Technical or Business Qualifications

- 60 Foundation course for technical or business qualifications
- 61 Other technical or business qualifications - including HGV, PSV, etc

Professional Qualifications including Nursing

- 62 Full professional qualification - membership (charter/licentiate) of professional institution
- 63 Part of professional qualifications eg: Part 1 of two part course
- 64 Nursing qualifications - including Registered General Nurse, Nursery Nurse (NNEB), etc

Other answers

- 96 Other qualification - nature unclear/not given
- 97 Irrelevant/unspecific response
- 98 Don't know (respondent's answer)
- 99 Not answered

ECONOMIC ACTIVITY

Q11 Other economic activity

Coded using a frame developed following review of all BCS70 28-year survey responses.

Coding frame

Where possible, entries were coded back to the original Q11 precodes:

- 1 Full-time paid employee (30 or more hours a week)
- 2 Part-time paid employee (under 30 hours a week)
- 3 Full-time self employed
- 4 Part-time self employed
- 5 Unemployed and seeking work
- 6 Full-time education
- 7 Temporarily sick/disabled (less than 6 months)
- 8 Long-term sick/disabled (6 months or longer)
- 9 Looking after home/family
- 10 On a training scheme
- 11 Something else

Remaining entries were coded as follows:

- 12 Employed but status unclear
- 13 Self-employed, not known if full-time or part-time
- 14 Employed, but unpaid
- 15 Voluntary work
- 16 Part-time education
- 17 Maternity leave
- 18 Travelling
- 19 Prison

OTHER ANSWERS

- 97 Irrelevant/unspecific response
- 98 Don't know
- 99 Not answered

OCCUPATION

Q13 Job title/Q14 Type of work done

Coded using *Computer-assisted Standard Occupational Coding (CASOC)*, developed by the Institute for Employment Research at the University of Warwick. This provides codings for the current Standard Occupational Classification (SOC), Socio-economic Group (SEG), and social class, as well as other occupational classifications, listed below:

Standard Occupational Classification (SOC)

Cambridge Scale Score (Males/Females)

OPCS 1990:

- Socio-Economic Group
- Social Class based on Occupation
- International Standard Classification of Occupations 1988 (ISCO 88)
- Key List of Occupations for Statistical Purposes (KOS)

Classification of Occupations and Directory of Occupational Titles (CODOT) - 3 digit only

OPCS 1980:

- Operational Code
- Occupation Unit Group
- Socio-Economic Group
- Registrar General's Social Class

OPCS 1970:

- Occupation Unit Group
- Socio-Economic Group
- Registrar General's Social Class

Registrar General 1966:

- Occupation Unit Group
- Socio-Economic Group
- Registrar General's Social Class

Registrar general 1961:

- Occupation Unit Group
- Socio-Economic Group
- Registrar General's Social Class

Nuffield Variables:

- Goldthorpe Social Class (1990)
- Goldthorpe Social Class (1980)
- Goldthorpe Social Class (1970)
- Hope-Goldthorpe Collapsed Group
- Hope Goldthorpe Scale score

INDUSTRY

Q15 Employers business

Coded using the Standard Industrial Classification (See: Central Statistical Office (1992) *Standard Industrial Classification of economic activities 1992* London: HMSO).

* **NB:** This classification is not included in the initial deposit of data with the Data Archive.

PAY PERIOD

Q19 Other pay period

Coded using a frame developed following review of all BCS70 28-year survey responses.

Coding frame

Where possible, entries were coded back to the original Q19 precodes:

- 1 Hour
- 2 Day
- 3 Week
- 4 Month
- 5 Year

Remaining entries were coded as follows:

- 6 Four weekly
- 7 Fortnightly
- 8 Two weeks
- 9 8 days
- 10 Two days
- 11 3 hours

OTHER ANSWERS

- 94 Varies
- 95 Refused
- 96 Some other comment
- 97 Irrelevant/unspecific response
- 98 Don't know
- 99 Not answered

TENURE

Q31 Other tenure

Coded using a frame developed following review of all BCS70 28-year survey responses.

Coding frame

Where possible, entries were coded back to the original Q31 precodes:

- 1 Own outright
- 2 Buying on mortgage/loan
- 3 Rented from a local authority or housing association
- 4 Rented from a private landlord
- 5 Rented from some other landlord
- 6 Living with parents - paying rent
- 7 Living with parents - rent-free
- 8 Other arrangement

Remaining entries were coded as follows:

- 9 Partner owns - CM pays rent
- 10 Partner owns - CM pays no rent
- 11 Partner owns - CM's rental arrangements unknown
- 12 Equity share
- 13 Living with parents - not known if paying rent
- 14 Rent, landlord unknown
- 15 Living with relative/friend, paying rent
- 16 Living with relative/friend, rent-free
- 17 Living with relative/friend, rental arrangements unknown
- 18 Provided with job - paying rent
- 19 Provided with job - rent-free
- 20 Provided with job - rental arrangements unknown
- 21 Lodgings
- 22 Religious institution
- 23 Barracks
- 24 Hall of residence
- 25 Residential home
- 26 Hostel/hotel
- 27 Prison

OTHER ANSWERS

- 97 Irrelevant/unspecific response
- 98 Don't know
- 99 Not answered

OTHER HEALTH PROBLEM

Q38 Other health problem

Coded using the International Classification of Diseases. The quality of the information supplied varied, so the 3 digit classification was used. (See: World Health Organisation (1977) *International Classification of Diseases: Volume 1, Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* Geneva, WHO)

Coding frame

ICD 3 Digit Categories for BCS70 Coding

For further information see:

WORLD HEALTH ORGANISATION (1977) *International Classification of Diseases: Volume 1, Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* Geneva, WHO

WORLD HEALTH ORGANISATION (1978) *International Classification of Diseases: Volume 2, Index* Geneva, WHO

	<i>CONTENT</i>	<i>Page</i>
	SUMMARY OF ICD 3 DIGIT CATEGORIES	4.36
I.	INFECTIOUS AND PARASITIC DISEASES	4.39
II	NEOPLASMS	4.42
III.	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES AND IMMUNITY DISORDERS	4.44
IV.	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	4.45
V.	MENTAL DISORDERS	4.45
VI.	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	4.46
VII.	DISEASES OF THE CIRCULATORY SYSTEM	4.48
VIII.	DISEASES OF THE RESPIRATORY SYSTEM	4.49
IX.	DISEASES OF THE DIGESTIVE SYSTEM	4.51
X.	DISEASES OF THE GENITOURINARY SYSTEM	4.52
XI.	COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	4.53
XII.	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	4.54
XIII.	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	4.55
XIV.	CONGENITAL ANOMALIES	4.56
XV.	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	4.56
XVI.	SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS	4.57
XVII.	INJURY AND POISONING	4.57
	NON-ICD CODES	4.62
	ALPHABETICAL ORDER OF CONDITIONS	4.63

SUMMARY OF ICD 3 DIGIT CATEGORIES

I. INFECTIOUS AND PARASITIC DISEASES

Intestinal infectious diseases (001-009)
Tuberculosis (010-018)
Zoonotic bacterial diseases (020-027)
Other bacterial diseases (030-041)
Poliomyelitis and other non-arthropod-borne viral diseases of central nervous system (045-049)
Viral diseases accompanied by exanthem (050-057)
Arthropod-borne viral diseases (060-066)
Other diseases due to viruses and Chlamydiae (070-079)
Rickettsioses and other arthropod-borne diseases (080-088)
Syphilis and other venereal diseases (090-099)
Other spirochaetal diseases (100-104)
Mycoses (110-118)
Helminthiasis (120-129)
Other infections and parasitic diseases (130-136)
Late effects of infectious and parasitic diseases (137-139)

II. NEOPLASMS

Malignant neoplasm of lip, oral cavity and pharynx (140-149)
Malignant neoplasm of digestive organs and peritoneum (150-159)
Malignant neoplasms of respiratory and intrathoracic organs (160-165)
Malignant neoplasms of bone, connective tissue, skin and breast (170-175)
Malignant neoplasm of genitourinary organs (179-189)
Malignant neoplasms of other and unspecified sites (190-199)
Malignant neoplasm of lymphatic and haematopoietic tissue (200-208)
Benign neoplasms (210-229)
Carcinoma in situ (230-234)
Neoplasms of uncertain behaviour (235-238) Neoplasms of unspecified nature (239)

III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES AND IMMUNITY DISORDERS

Disorders of the thyroid gland (240-246)
Diseases of other endocrine glands (250-259)
Nutritional deficiencies (260-269)
Other metabolic disorders and immunity disorders (270-279)

IV. DISEASES OF BLOOD AND BLOOD-FORMING ORGANS

V. MENTAL DISORDERS

Organic psychotic conditions (290-294)
Other psychoses (295-299)
Neurotic disorders, personality disorders and other nonpsychotic mental disorders (300-316)
Mental retardation (317-319)

VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS

Inflammatory diseases of the central nervous system (320-326)
Hereditary and degenerative diseases of the central nervous system (330-337)
Other disorders of the central nervous system (340-349)
Disorders of the peripheral nervous system (350-359)
Disorders of the eye and adnexa (360-379)

Diseases of the ear and mastoid process (380-389)

VII. DISEASES OF THE CIRCULATORY SYSTEM

Acute rheumatic fever (390-392)

Chronic rheumatic heart disease (393-398)

Hypertensive disease (401-405)

Ischaemic heart disease (410-414)

Diseases of pulmonary circulation (415-417)

Other forms of heart disease (420-429)

Cerebrovascular disease (430-438)

Diseases of arteries, arterioles and capillaries (440-448)

Diseases of veins and lymphatics and other diseases of circulatory system (451-459)

VIII. DISEASES OF THE RESPIRATORY SYSTEM

Acute respiratory infections (460-466)

Other diseases of upper respiratory tract (470-478)

Pneumonia and influenza (480-487)

Chronic obstructive pulmonary disease and allied conditions (490-496)

Pneumoconioses and other lung diseases due to external agents (500-508)

Other diseases of respiratory system (510-519)

IX. DISEASES OF THE DIGESTIVE SYSTEM

Diseases of oral cavity, salivary glands and jaws (520-529)

Diseases of oesophagus, stomach and duodenum (530-537)

Appendicitis (540-543)

Hernia of abdominal cavity (550-553)

Noninfective enteritis and colitis (555-558)

Other diseases of intestines and peritoneum (560-569)

Other diseases of digestive system (570-579)

X. DISEASES OF THE GENITOURINARY SYSTEM

Nephritis, nephrotic syndrome and nephrosis (580-589)

Other diseases of urinary system (590-599)

Diseases of male genital organs (600-608)

Disorders of breast (610-611)

Inflammatory disease of female pelvic organs (614-616)

Other disorders of female genital tract (617-629)

XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM

Pregnancy with abortive outcome (630-639)

Complications mainly related to pregnancy (640-648)

Normal delivery, and other indications for care in pregnancy, labour and delivery (650-659)

Complications occurring mainly in the course of labour and delivery (660-669)

Complications of puerperium (670-676)

XII DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE

Infections of skin and subcutaneous tissue (680-686)
Other inflammatory conditions of skin and subcutaneous tissue (690-698)
Other diseases of skin and subcutaneous tissue (700-709)

XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE

Arthropathies and related disorders (710-719)
Dorsopathies (720-724)
Rheumatism, excluding the back (725-729)
Osteopathies, chondropathies and acquired musculoskeletal deformities (730-739)

XIV. CONGENITAL ANOMALIES

XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD

XVI. SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS

Symptoms (780-789)
Nonspecific abnormal findings (790-796)
Ill-defined and unknown causes of morbidity and mortality (797-799)

XVII. INJURY AND POISONING

Fracture of skull (800-804)
Fractures of spine and trunk (805-809)
Fracture of upper limb (810-819)
Fracture of lower limb (820-829)
Dislocation (830-839)
Sprains and strains of joints and adjacent muscles (840-848)
Intracranial injury, excluding those with skull fracture (850-854)
Internal injury of chest, abdomen and pelvis (860-869)
Open wound of head, neck and trunk (870-879)
Open wound of upper limb (880-887)
Open wound of lower limb (890-897)
Injury to blood vessels (900-904)
Late effects of injuries, poisonings, toxic effects and other external causes (905-909)
Superficial injury (910-919)
Contusion with intact skin surface (920-924)
Crushing injury (925-929)
Effects of foreign body entering through orifice (930-939)
Burns (940-949)
Injury to nerves and spinal cord (950-957)
Certain traumatic complications and unspecified injuries (958-959)
Poisoning by drugs, medicaments and biological substances (960-979)
Toxic effects of substances chiefly nonmedical as to source (980-989)
Other and unspecified effects of external causes (990-995)
Complications of surgical and medical care not elsewhere classified (996-999)

NON-ICD CODES

ALPHABETICAL ORDER OF CONDITIONS

ICD 3 DIGIT CATEGORIES FOR BCS70 CODING

I. INFECTIOUS AND PARASITIC DISEASES

Intestinal infectious diseases (001-009)

- 001 Cholera
- 002 Typhoid and paratyphoid fevers
- 003 Other salmonella infections
- 004 Shigellosis
- 005 Other food poisoning (bacterial)
- 006 Amoebiasis
- 007 Other protozoal intestinal disorders
- 008 Intestinal infections due to other organisms
- 009 Ill-defined intestinal infections

Tuberculosis (010-018)

- 010 Primary tuberculous infection
- 011 Pulmonary tuberculosis
- 012 Other respiratory tuberculosis
- 013 Tuberculosis of meninges and central nervous system
- 014 Tuberculosis of intestines, peritoneum and mesenteric glands
- 015 Tuberculosis of bones and joints
- 016 Tuberculosis of genitourinary system
- 017 Tuberculosis of other organs
- 018 Miliary tuberculosis

Zoonotic bacterial diseases (020-027)

- 020 Plague
- 021 Tularaemia
- 022 Anthrax
- 023 Brucellosis
- 024 Glanders
- 025 Melioidosis
- 026 Rat-bite fever
- 027 Other zoonotic bacterial diseases

Other bacterial diseases (030-041)

- 030 Leprosy
- 031 Diseases due to other mycobacteria
- 032 Diphtheria
- 033 Whooping cough
- 034 Streptococcal sore throat and scarlatina
- 035 Erysipelas
- 036 Meningococcal infection
- 037 Tetanus
- 038 Septicaemia
- 039 Actinomycotic infections
- 040 Other bacterial diseases
- 041 Bacterial infection in conditions classified elsewhere and of unspecified site

Poliomyelitis and other non-arthropod-borne viral diseases of central nervous system (045-049)

- 045 Acute poliomyelitis
- 046 Slow virus infection of central nervous system
- 047 Meningitis due to enterovirus
- 048 Other enterovirus diseases of central nervous system
- 049 Other non-arthropod-borne diseases of central nervous system

Viral diseases accompanied by exanthem (050-057) 050 Smallpox

- 051 Cowpox and paravaccinia
- 052 Chickenpox
- 053 Herpes zoster
- 054 Herpes simplex
- 055 Measles
- 056 Rubella
- 057 Other viral exanthemata

Arthropod-borne viral diseases (060-066)

- 060 Yellow-fever
- 061 Dengue
- 062 Mosquito-borne viral encephalitis
- 063 Tick-borne viral encephalitis
- 064 Viral encephalitis transmitted by other and unspecified arthropods
- 065 Arthropod-borne haemorrhagic fever
- 066 Other arthropod-borne viral diseases

Other diseases due to viruses and Chlamydiae (070-079)

- 070 Viral hepatitis
- 071 Rabies
- 072 Mumps
- 073 Ornithosis
- 074 Specific diseases due to Coxsackie virus
- 075 Infectious mononucleosis
- 076 Trachoma
- 077 Other diseases of conjunctiva due to viruses and Chlamydiae
- 078 Other diseases due to viruses and Chlamydiae
- 079 Viral infections in conditions classified elsewhere and of unspecified site

Rickettsioses and other arthropod-borne diseases (080-088)

- 080 Louse-borne [epidemic] typhus
- 081 Other typhus
- 082 Tick-borne rickettsioses
- 083 Other rickettsioses
- 084 Malaria
- 085 Leishmaniasis
- 086 Trypanosomiasis
- 087 Relapsing fever
- 088 Other arthropod-borne diseases

Syphilis and other venereal diseases (090-099)

- 090 Congenital syphilis
- 091 Early syphilis, symptomatic
- 092 Early syphilis, latent
- 093 Cardiovascular syphilis
- 094 Neurosyphilis
- 095 Other forms of late syphilis with symptoms
- 096 Late syphilis, latent
- 097 Other and unspecified syphilis
- 098 Gonococcal infections
- 099 Other venereal diseases

Other spirochaetal diseases (100-104) 100 Leptospirosis

- 101 Vincent's angina
- 102 Yaws
- 103 Pinta
- 104 Other spirochaetal infection

Mycoses (110-118)

- 110 Dermatophytosis
- 111 Dermatomycosis, other unspecified 112 Candidiasis
- 114 Coccidioidomycosis
- 115 Histoplasmosis
- 116 Blastomycotic infection
- 117 Other mycoses
- 118 Opportunistic mycoses

Helminthiases (120-129)

- 120 Schistosomiasis
- 121 Other trematode infections
- 122 Echinococcosis
- 123 Other cestode infection
- 124 Trichinosis
- 125 Filarial infection and dracontiasis
- 126 Ancylostomiasis and necatoriasis
- 127 Other intestinal helminthiases
- 128 Other and unspecified helminthiases
- 129 Intestinal parasitism, unspecified

Other infections and parasitic diseases (130-136)

- 130 Toxoplasmosis
- 131 Trichomoniasis
- 132 Pediculosis and phthirus infestation
- 133 Acariasis
- 134 Other infestation
- 135 Sarcoidosis
- 136 Other and unspecified infectious and parasitic diseases

Late effects of infectious and parasitic diseases (137-139)

- 137 Late effects of tuberculosis
- 138 Late effects of acute poliomyelitis
- 139 Late effects of other infectious and parasitic diseases

II NEOPLASMS

Malignant neoplasm of lip, oral cavity and pharynx (140-149)

- 140 Malignant neoplasm of lip
- 141 Malignant neoplasm of tongue
- 142 Malignant neoplasm of major salivary glands
- 143 Malignant neoplasm of gum
- 144 Malignant neoplasm of floor of mouth
- 145 Malignant neoplasm of other and unspecified parts of mouth
- 146 Malignant neoplasm of oropharynx
- 147 Malignant neoplasm of nasopharynx
- 148 Malignant neoplasm of hypopharynx
- 149 Malignant neoplasm of other and ill-defined sites within the lip, oral cavity and pharynx

Malignant neoplasm of digestive organs and peritoneum (150-159)

- 150 Malignant neoplasm of oesophagus
- 151 Malignant neoplasm of stomach
- 152 Malignant neoplasm of small intestine, including duodenum
- 153 Malignant neoplasm of colon
- 154 Malignant neoplasm of rectum, rectosigmoid junction and anus
- 155 Malignant neoplasm of liver and intrahepatic bile ducts
- 156 Malignant neoplasm of gallbladder and extrahepatic bile ducts
- 157 Malignant neoplasm of pancreas
- 158 Malignant neoplasm of retroperitoneum and peritoneum
- 159 Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum

Malignant neoplasms of respiratory and intrathoracic organs (160-165)

- 160 Malignant neoplasm of nasal cavities, middle ear and accessory sinuses
- 161 Malignant neoplasm of larynx
- 162 Malignant neoplasm of trachea, bronchus and lung
- 163 Malignant neoplasm of pleura
- 164 Malignant neoplasm of thymus, heart and mediastinum
- 165 Malignant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs

Malignant neoplasms of bone, connective tissue, skin and breast (170-175)

- 170 Malignant neoplasm of bone and articular cartilage
- 171 Malignant neoplasm of connective and other soft tissue
- 172 Malignant melanoma of skin
- 173 Other malignant neoplasm of skin
- 174 Malignant neoplasm of female breast
- 175 Malignant neoplasm of male breast

Malignant neoplasm of genitourinary organs (179-189)

- 179 Malignant neoplasm of uterus, part unspecified
- 180 Malignant neoplasm of cervix uteri
- 181 Malignant neoplasm of placenta
- 182 Malignant neoplasm of body of uterus
- 183 Malignant neoplasm of ovary and other uterine adnexa
- 184 Malignant neoplasm of other and unspecified female genital organs
- 185 Malignant neoplasms of prostate
- 186 Malignant neoplasm of testis
- 187 Malignant neoplasm of penis and other male genital organs
- 188 Malignant neoplasm of bladder
- 189 Malignant neoplasm of kidney and other and unspecified urinary organs

Malignant neoplasms of other and unspecified sites (190-199)

- 190 Malignant neoplasm of eye
- 191 Malignant neoplasm of brain
- 192 Malignant neoplasm of other and unspecified parts of nervous system
- 193 Malignant neoplasm of thyroid gland
- 194 Malignant neoplasm of other endocrine glands and related structures
- 195 Malignant neoplasm of other and ill-defined sites
- 196 Secondary and unspecified malignant neoplasm of lymph nodes
- 197 Secondary malignant neoplasm of respiratory and digestive systems
- 198 Secondary malignant neoplasm of other unspecified sites
- 199 Malignant neoplasm without specification of site

Malignant neoplasm of lymphatic and haematopoietic tissue (200-208)

- 200 Lymphosarcoma and reticulosarcoma
- 201 Hodgkin's disease
- 202 Other malignant neoplasm of lymphoid and histiocytic tissue
- 203 Multiple myeloma and immunoproliferative neoplasms
- 204 Lymphoid leukaemia
- 205 Myeloid leukaemia
- 206 Monocytic leukaemia
- 207 Other specified leukaemia
- 208 Leukaemia of unspecified cell type

Benign neoplasms (210-229)

- 210 Benign neoplasm of lip, oral cavity and pharynx
- 211 Benign neoplasm of other parts of digestive system
- 212 Benign neoplasm of respiratory and intrathoracic organs
- 213 Benign neoplasm of bone and articular cartilage
- 214 Lipoma
- 215 Other benign neoplasm of connective and other soft tissue
- 216 Benign neoplasm of skin
- 217 Benign neoplasm of breast
- 218 Uterine leiomyoma
- 219 Other benign neoplasm of uterus
- 220 Benign neoplasm of ovary
- 221 Benign neoplasm of other female genital organs
- 222 Benign neoplasm of male genital organs
- 223 Benign neoplasm of kidney and other urinary organs
- 224 Benign neoplasm of eye

- 225 Benign neoplasm of brain and other parts of nervous system
- 226 Benign neoplasm of thyroid gland
- 227 Benign neoplasm of other endocrine glands and related structures
- 228 Haemangiomas and lymphangioma, any site
- 229 Benign neoplasm of other and unspecified site

Carcinoma in situ (230-234)

- 230 Carcinoma in situ of digestive organs
- 231 Carcinoma in situ of respiratory system
- 232 Carcinoma in situ of skin
- 233 Carcinoma in situ of breast and genitourinary system
- 234 Carcinoma in situ of other and unspecified sites

Neoplasms of uncertain behaviour (235-238)

- 235 Neoplasm of uncertain behaviour of digestive and respiratory systems
- 236 Neoplasm of uncertain behaviour of genitourinary organs
- 237 Neoplasm of uncertain behaviour of endocrine glands and nervous system
- 238 Neoplasm of uncertain behaviour of other and unspecified sites and tissues

Neoplasms of unspecified nature (239)

- 239 Neoplasms of unspecified nature

III ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES AND IMMUNITY DISORDERS

Disorders of the thyroid gland (240-246)

- 240 Simple and unspecified goitre
- 241 Nontoxic nodular goitre
- 242 Thyrotoxicosis with or without goitre
- 243 Congenital hypothyroidism
- 244 Acquired hypothyroidism
- 245 Thyroiditis
- 246 Other disorders of the thyroid

Diseases of other endocrine glands (250-259)

- 250 Diabetes mellitus
- 251 Other disorders of pancreatic internal secretion
- 252 Disorders of parathyroid gland
- 253 Disorders of the pituitary gland and its hypothalamic control
- 254 Diseases of thymus gland
- 255 Disorders of adrenal glands
- 256 Ovarian dysfunction
- 257 Testicular dysfunction
- 258 Polyglandular dysfunction and related disorders
- 259 Other endocrine disorders

Nutritional deficiencies (260-269)

- 260 Kwashiorkor
- 261 Nutritional marasmus
- 262 Other severe protein-calorie malnutrition
- 263 Other and unspecified protein-calorie malnutrition
- 264 Vitamin A deficiency
- 265 Thiamine and niacin deficiency states
- 266 Deficiency of B-complex components
- 267 Ascorbic acid deficiency
- 268 Vitamin D deficiency
- 269 Other nutritional deficiencies

Other metabolic disorders and immunity disorders (270-279)

- 270 Disorders of amino-acid transport and metabolism
- 271 Disorders of carbohydrate transport and metabolism
- 272 Disorders of lipid metabolism
- 273 Disorders of plasma protein metabolism
- 274 Gout
- 275 Disorders of mineral metabolism
- 276 Disorders of fluid, electrolyte and acid-base balance
- 277 Other and unspecified disorders of metabolism
- 278 Obesity and other hyperalimentation
- 279 Disorders involving the immune mechanism

IV. DISEASES OF BLOOD AND BLOOD-FORMING ORGANS

- 280 Iron deficiency anaemias
- 281 Other deficiency anaemias
- 282 Hereditary haemolytic anaemias
- 283 Acquired haemolytic anaemias
- 284 Aplastic anaemia
- 285 Other and unspecified anaemias
- 286 Coagulation defects
- 287 Purpura and other haemorrhagic conditions
- 288 Diseases of white blood cells
- 289 Other diseases of blood and blood-forming organs

V. MENTAL DISORDERS

Organic psychotic conditions (290-294)

- 290 Senile and presenile organic psychotic conditions
- 291 Alcoholic psychoses
- 292 Drug psychoses
- 293 Transient organic psychotic conditions
- 294 Other organic psychotic conditions (chronic)

Other psychoses (295-299)

- 295 Schizophrenic psychoses
- 296 Affective psychoses
- 297 Paranoid states
- 298 Other nonorganic psychoses
- 299 Psychoses with origin specific to childhood

Neurotic disorders, personality disorders and other nonpsychotic mental disorders (300-316)

- 300 Neurotic disorders
- 301 Personality disorders
- 302 Sexual deviations and disorders
- 303 Alcohol dependence syndrome
- 304 Drug dependence
- 305 Nondependent abuse of drugs
- 306 Physiological malfunction arising from mental factors
- 307 Special symptoms or syndromes not elsewhere classified
- 308 Acute reaction to stress
- 309 Adjustment to reaction
- 310 Specific nonpsychotic mental disorders following organic brain damage
- 311 Depressive disorder, not elsewhere classified
- 312 Disturbance of conduct not elsewhere classified
- 313 Disturbance of emotions specific to childhood and adolescence
- 314 Hyperkinetic syndrome of childhood
- 315 Specific delays in development
- 316 Psychic factors associated with diseases classified elsewhere

Mental retardation (317-319)

- 317 Mild mental retardation
- 318 Other specified mental retardation
- 319 Unspecified mental retardation

VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS

Inflammatory diseases of the central nervous system (320-326)

- 320 Bacterial meningitis
- 321 Meningitis due to other organisms
- 322 Meningitis of unspecified cause
- 323 Encephalitis, myelitis and encephalomyelitis
- 324 Intracranial and intraspinal abscess
- 325 Phlebitis and thrombophlebitis of intracranial venous sinuses
- 326 Late effects of intracranial abscess or pyogenic infection

Hereditary and degenerative diseases of the central nervous system (330-337)

- 330 Cerebral degenerations usually manifest in childhood
- 331 Other cerebral degenerations
- 332 Parkinson's disease
- 333 Other extrapyramidal disease and abnormal movement disorders
- 334 Spinocerebellar disease
- 335 Anterior horn cell disease
- 336 Other diseases of spinal cord
- 337 Disorders of the autonomic nervous system

Other disorders of the central nervous system (340-349)

- 340 Multiple sclerosis
- 341 Other demyelinating diseases of central nervous system
- 342 Hemiplegia
- 343 Infantile cerebral palsy
- 344 Other paralytic syndromes
- 345 Epilepsy
- 346 Migraine
- 347 Cataplexy and narcolepsy
- 348 Other conditions of brain
- 349 Other and unspecified disorders of the nervous system

Disorders of the peripheral nervous system (350-359)

- 350 Trigeminal nerve disorders
- 351 Facial nerve disorders
- 352 Disorders of other cranial nerves
- 353 Nerve root and plexus disorders
- 354 Mononeuritis of upper limb and mononeuritis multiplex
- 355 Mononeuritis of lower limb
- 356 Hereditary and idiopathic peripheral neuropathy
- 357 Inflammatory and toxic neuropathy
- 358 Myoneural disorders
- 359 Muscular dystrophies and other myopathies

Disorders of the eye and adnexa (360-379)

- 360 Disorders of the globe
- 361 Retinal detachments and defects
- 362 Other retinal disorders
- 363 Chorioetinal inflammations and scars and other disorders of choroid
- 364 Disorders of iris and ciliary body
- 365 Glaucoma
- 366 Cataract
- 367 Disorders of refraction and accommodation
- 368 Visual disturbances
- 369 Blindness and low vision
- 370 Keratitis
- 371 Corneal opacity and other disorders of cornea
- 372 Disorders of conjunctiva
- 373 Inflammation of eyelids
- 374 Other disorders of eyelids
- 375 Disorders of lacrimal system
- 376 Disorders of the orbit
- 377 Disorders of optic nerve and visual pathways
- 378 Strabismus and other disorders of binocular eye movements
- 379 Other disorders of eye

Diseases of the ear and mastoid process (380-389)

- 380 Disorders of external ear
- 381 Nonsuppurative otitis media and Eustachian tube disorders
- 382 Suppurative and unspecified otitis media
- 383 Mastoiditis and related conditions
- 384 Other disorders of tympanic membrane

- 385 Other disorders of middle ear and mastoid
- 386 Vertiginous syndromes and other disorders of vestibular system
- 387 Otosclerosis
- 388 Other disorders of ear
- 389 Deafness

VII DISEASES OF THE CIRCULATORY SYSTEM

Acute rheumatic fever (390-392)

- 390 Rheumatic fever without mention of heart involvement
- 391 Rheumatic fever with heart involvement
- 392 Rheumatic chorea

Chronic rheumatic heart disease (393-398)

- 393 Chronic rheumatic pericarditis
- 394 Diseases of mitral valve
- 395 Diseases of aortic valve
- 396 Diseases of mitral and aortic valves
- 397 Diseases of other endocardial structures
- 398 Other rheumatic heart disease

Hypertensive disease (401-405)

- 401 Essential hypertension
- 402 Hypertensive heart disease
- 403 Hypertensive renal disease
- 404 Hypertensive heart and renal disease
- 405 Secondary hypertension

Ischaemic heart disease (410-414)

- 410 Acute myocardial infarction
- 411 Other acute and subacute form of ischaemic heart disease
- 412 Old myocardial infarction
- 413 Angina pectoris
- 414 Other forms of chronic ischaemic heart disease

Diseases of pulmonary circulation (415-417)

- 415 Acute pulmonary heart disease
- 416 Chronic pulmonary heart disease
- 417 Other diseases of pulmonary circulation

Other forms of heart disease (420-429)

- 420 Acute pericarditis
- 421 Acute and subacute endocarditis
- 422 Acute myocarditis
- 423 Other diseases of pericardium
- 424 Other diseases of endocardium
- 425 Cardiomyopathy
- 426 Conduction disorders
- 427 Cardiac dysrhythmias
- 428 Heart failure

429 Ill-defined descriptions and complications of heart disease

Cerebrovascular disease (430-438)

430 Subarachnoid haemorrhage
431 Intracerebral haemorrhage
432 Other and unspecified intracranial haemorrhage
433 Occlusion and stenosis of precerebral arteries
434 Occlusion of cerebral arteries
435 Transient cerebral ischaemia
436 Acute but ill-defined cerebrovascular disease
437 Other and ill-defined cerebrovascular disease
438 Late effects of cerebrovascular disease

Diseases of arteries, arterioles and capillaries (440-448)

440 Atherosclerosis
441 Aortic aneurysm
442 Other aneurysm
443 Other peripheral vascular disease
444 Arterial embolism and thrombosis
446 Polyarteriti nodosa and allied conditions
447 Other disorders of arteries and arterioles
448 Diseases of capillaries

Diseases of veins and lymphatics and other diseases of circulatory system (451-459)

451 Phlebitis and thrombophlebitis
452 Portal vein thrombosis
453 Other venous embolism and thrombosis
454 Varicose veins of lower extremities
455 Haemorrhoids
456 Varicose veins of other sites
457 Noninfective disorders of lymphatic channels
458 Hypotension
459 Other disorders of circulatory system

VIII DISEASES OF THE RESPIRATORY SYSTEM

Acute respiratory infections (460-466)

460 Acute nasopharyngitis (common cold)
461 Acute sinusitis
462 Acute pharyngitis
463 Acute tonsillitis
464 Acute laryngitis
465 Acute upper respiratory infections of multiple or unspecified sites
466 Acute bronchitis and bronchiolitis

Other diseases of upper respiratory tract (470-478)

- 470 Deflected nasal septum
- 471 Nasal polyps
- 472 Chronic pharyngitis and nasopharyngitis
- 473 Chronic sinusitis
- 474 Chronic disease of tonsils and adenoids
- 475 Peritonsillar abscess
- 476 Chronic laryngitis and laryngotracheitis
- 477 Allergic rhinitis
- 478 Other diseases of upper respiratory tract

Pneumonia and influenza (480-487)

- 480 Viral pneumonia
- 481 Pneumococcal pneumonia
- 482 Other bacterial pneumonia
- 483 Pneumonia due to other specified organism
- 484 Pneumonia in infectious diseases classified elsewhere
- 485 Bronchopneumonia, organism unspecified
- 486 Pneumonia, organism unspecified
- 487 Influenza

Chronic obstructive pulmonary disease and allied conditions (490-496)

- 490 Bronchitis, not specified as acute or chronic
- 491 Chronic bronchitis
- 492 Emphysema
- 493 Asthma
- 494 Bronchiectasis
- 495 Extrinsic allergic alveolitis
- 496 Chronic airways obstruction, not elsewhere classified

Pneumoconioses and other lung diseases due to external agents (500-508)

- 500 Coalworkers' pneumoconiosis
- 501 Asbestosis
- 502 Pneumoconiosis due to other silica or silicates
- 503 Pneumoconiosis due to other inorganic dust
- 504 Pneumopathy due to inhalation of other dust
- 505 Pneumoconiosis, unspecified
- 506 Respiratory conditions due to chemical fumes and vapours
- 507 Pneumonitis due to solids and liquids
- 508 Respiratory conditions due to other and unspecified external agents

Other diseases of respiratory system (510-519)

- 510 Empyema
- 511 Pleurisy
- 512 Pneumothorax
- 513 Abscess of lung and mediastinum
- 514 Pulmonary congestion and hypostasis
- 515 Postinflammatory pulmonary fibrosis
- 516 Other alveolar and parietoalveolar pneumopathy
- 517 Lung involvement in conditions classified elsewhere
- 518 Other diseases of lung

519 Other diseases of respiratory system

IX. DISEASES OF THE DIGESTIVE SYSTEM

Diseases of oral cavity, salivary glands and jaws (520-529)

520 Disorders of tooth development and eruption
521 Diseases of hard tissues of teeth
522 Diseases of pulp and periapical tissues
523 Gingival and periodontal diseases
524 Dentofacial anomalies, including malocclusion
525 Other diseases and conditions of the teeth and supporting structures
526 Diseases of the jaws
527 Diseases of the salivary glands
528 Diseases of the oral soft tissues, excluding lesions specific for gingiva and tongue
529 Diseases and other conditions of the tongue

Diseases of oesophagus, stomach and duodenum (530-537)

530 Diseases of oesophagus
531 Gastric ulcer
532 Duodenal ulcer
533 Peptic ulcer, site unspecified
534 Gastrojejunal ulcer
535 Gastritis and duodenitis
536 Disorders of function of stomach
537 Other disorders of stomach and duodenum

Appendicitis (540-543)

540 Acute appendicitis
541 Appendicitis, unqualified
542 Other appendicitis
543 Other diseases of appendix

Hernia of abdominal cavity (550-553)

550 Inguinal hernia
551 Other hernia of abdominal cavity, with gangrene
552 Other hernia of abdominal cavity with obstruction, without mention of gangrene
553 Other hernia of abdominal cavity without mention of obstruction or gangrene

Noninfective enteritis and colitis (555-558)

555 Regional enteritis
556 Idiopathic proctocolitis
557 Vascular insufficiency of intestine
558 Other noninfective gastroenteritis and colitis

Other diseases of intestines and peritoneum (560-569)

560 Intestinal obstruction without mention of hernia
562 Diverticula of intestine
564 Functional digestive disorders, not elsewhere classified
565 Anal fissure and fistula
566 Abscess of anal and rectal regions

- 567 Peritonitis
- 568 Other disorders of peritoneum
- 569 Other disorders of intestine

Other diseases of digestive system (570-579)

- 570 Acute and subacute necrosis of liver
- 571 Chronic liver disease and cirrhosis
- 572 Liver abscess and sequelae of chronic liver disease
- 573 Other disorders of liver
- 574 Cholelithiasis
- 575 Other disorders of the gallbladder
- 576 Other disorders of biliary tract
- 577 Diseases of pancreas
- 578 Gastrointestinal haemorrhage
- 579 Intestinal malabsorption

X. DISEASES OF THE GENITOURINARY SYSTEM

Nephritis, nephrotic syndrome and nephrosis (580-589)

- 580 Acute glomerulonephritis
- 581 Nephrotic syndrome
- 582 Chronic glomerulonephritis
- 583 Nephritis and nephropathy, not specified as acute or chronic
- 584 Acute renal failure
- 585 Chronic renal failure
- 586 Renal failure, unspecified
- 587 Renal sclerosis, unspecified
- 588 Disorders resulting from impaired renal function
- 589 Small kidney of unknown cause

Other diseases of urinary system (590-599)

- 590 Infection of kidney
- 591 Hydronephrosis
- 592 Calculus of kidney and ureter
- 593 Other disorders of kidney and ureter
- 594 Calculus of lower urinary tract
- 595 Cystitis
- 596 Other disorders of the bladder
- 597 Urethritis, not sexually transmitted, and urethral syndrome
- 598 Urethral stricture
- 599 Other disorders of urethra and urinary tract

Diseases of male genital organs (600-608)

- 600 Hyperplasia of prostate
- 601 Inflammatory diseases of prostate
- 602 Other disorders of prostate
- 603 Hydrocele
- 604 Orchitis and epididymitis
- 605 Redundant prepuce and phimosis
- 606 Infertility, male
- 607 Disorders of penis
- 608 Other disorders of male genital organs

Disorders of breast (610-611)

- 610 Benign mammary dysplasias
- 611 Other disorders of breast

Inflammatory disease of female pelvic organs (614-616)

- 614 Inflammatory disease of ovary, fallopian tube, pelvic cellular tissue and peritoneum
- 615 Inflammatory diseases of uterus, except cervix
- 616 Inflammatory disease of cervix, vagina and vulva

Other disorders of female genital tract (617-629)

- 617 Endometriosis
- 618 Genital prolapse
- 619 Fistulae involving female genital tract
- 620 Noninflammatory disorders of ovary, fallopian tube and broad ligament
- 621 Disorders of uterus, not elsewhere classified
- 622 Noninflammatory disorders of cervix
- 623 Noninflammatory disorders of vagina
- 624 Noninflammatory disorders of vulva and perineum
- 625 Pain and other symptoms associated with female genital organs
- 626 Disorders of menstruation and other abnormal bleeding from female genital tract
- 627 Menopausal and postmenopausal disorders
- 628 Infertility, female
- 629 Other disorders of female genital organs

XI COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM

Pregnancy with abortive outcome (630-639)

- 630 Hydatidiform mole
- 631 Other abnormal product of conception
- 632 Missed abortion
- 633 Ectopic pregnancy
- 634 Spontaneous abortion
- 635 Legally induced abortion
- 636 Illegally induced abortion
- 637 Unspecified abortion
- 638 Failed attempted abortion
- 639 Complications following abortion and ectopic and molar pregnancies

Complications mainly related to pregnancy (640-648)

- 640 Haemorrhage in early pregnancy
- 641 Antepartum haemorrhage, abruptio placentae, and placenta praevia
- 642 Hypertension complicating pregnancy, childbirth and the puerperium
- 643 Excessive vomiting in pregnancy
- 644 Early or threatened labour
- 645 Prolonged pregnancy
- 646 Other complications of pregnancy, not elsewhere classified
- 647 Infective and parasitic conditions in the mother classifiable elsewhere but complicating pregnancy, childbirth and the puerperium
- 648 Other current conditions in the mother elsewhere but complicating pregnancy, childbirth and the puerperium

Normal delivery, and other indications for care in pregnancy, labour and delivery (650-659)

- 650 Delivery in a completely normal case
- 651 Multiple gestation
- 652 Malposition and malpresentation of fetus
- 653 Disproportion
- 654 Abnormality of organs and soft tissue of pelvis
- 655 Known or suspected fetal abnormality affecting management of mother
- 656 Other fetal and placentar problems affecting management of mother
- 657 Polyhydramnios
- 658 Other problems associated with amniotic cavity and membranes
- 659 Other indications for care or intervention related to labour and delivery and not elsewhere classified

Complications occurring mainly in the course of labour and delivery (660-669)

- 660 Obstructed labour
- 661 Abnormality of forces of labour
- 662 Long labour
- 663 Umbilical cord complications
- 664 Trauma to perineum and vulva during delivery
- 665 Other obstetrical trauma
- 666 Postpartum haemorrhage
- 667 Retained placenta or membranes, without haemorrhage
- 668 Complications of the administration of anaesthetic or other sedation in labour and delivery
- 669 Other complications of labour and delivery, not elsewhere classified

Complications of puerperium (670-676)

- 670 Major puerperal infection
- 671 Venous complications in pregnancy and the puerperium
- 672 Pyrexia of unknown origin during the puerperium
- 673 Obstetrical pulmonary embolism
- 674 Other and unspecified complications of the puerperium, not elsewhere classified
- 675 Infections of the breast and nipple associated with childbirth
- 676 Other disorders of the breast associated with childbirth and disorders of lactation

XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE

Infections of skin and subcutaneous tissue (680-686)

- 680 Carbuncle and furuncle
- 681 Cellulitis and abscess of finger and toe
- 682 Other cellulitis and abscess
- 683 Acute lymphadenitis
- 684 Impetigo
- 685 Pilonidal cyst
- 686 Other local infections of skin and subcutaneous tissue

Other inflammatory conditions of skin and subcutaneous tissue (690-698)

- 690 Erythematous squamous dermatosis
- 691 Atopic dermatitis and related conditions
- 692 Contact dermatitis and other eczema
- 693 Dermatitis due to taken internally substances
- 694 Bullous dermatoses
- 695 Erythematous conditions
- 696 Psoriasis and similar disorders
- 697 Lichen
- 698 Pruritus and related conditions

Other diseases of skin and subcutaneous tissue (700-709)

- 700 Corns and callosities
- 701 Other hypertrophic and atrophic conditions of skin
- 702 Other dermatoses
- 703 Diseases of nail
- 704 Diseases of hair and hair follicles
- 705 Disorders of sweat glands
- 706 Diseases of sebaceous glands
- 707 Chronic ulcer of skin
- 708 Urticaria
- 709 Other disorders of skin and subcutaneous tissue

XIII DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE

Arthropathies and related disorders (710-719)

- 710 Diffuse disease of connective tissue
- 711 Arthropathy associated with infections
- 712 Crystal arthropathies
- 713 Arthropathy associated with other disorders classified elsewhere
- 714 Rheumatoid arthritis and other inflammatory polyarthropathies
- 715 Osteoarthritis and allied disorders
- 716 Other and unspecified arthropathies
- 717 Internal derangement of joint
- 718 Other derangement of joint
- 719 Other and unspecified disorder of joint

Dorsopathies (720-724)

- 720 Ankylosing spondylitis and other inflammatory spondylopathies
- 721 Spondylosis and allied disorders
- 722 Intervertebral disc disorders
- 723 Other disorders of cervical region
- 724 Other and unspecified disorders of back

Rheumatism, excluding the back (725-729)

- 725 Polymyalgia rheumatica
- 726 Peripheral enthesopathies and allied syndromes
- 727 Other disorders of synovium, tendon and bursa
- 728 Disorders of muscle, ligament and fascia
- 729 Other disorders of soft tissues

Osteopathies, chondropathies and acquired musculoskeletal deformities (730-739)

- 730 Osteomyelitis, periostitis and other infections involving bone
- 731 Osteitis deformans and osteopathies associated with other disorders classified elsewhere
- 732 Osteochondropathies
- 733 Other disorders of bone and cartilage
- 734 Flat foot
- 735 Acquired deformities of toe
- 736 Other acquired deformities of limbs
- 737 Curvature of spine
- 738 Other acquired deformity
- 739 Nonallopathic lesions, not elsewhere classified

XIV. CONGENITAL ANOMALIES

- 740 Anencephalus and similar anomalies
- 741 Spina bifida
- 742 Other congenital anomalies of nervous system
- 743 Congenital anomalies of eye
- 744 Congenital anomalies of ear, face and neck
- 745 Bulbus cordis anomalies and anomalies of cardiac septal closure
- 746 Other congenital anomalies of heart
- 747 Other congenital anomalies of circulatory system
- 748 Congenital anomalies of respiratory system
- 749 Cleft palate and cleft lip
- 750 Other congenital anomalies of upper alimentary tract
- 751 Other congenital anomalies of digestive system
- 752 Congenital anomalies of genital organs
- 753 Congenital anomalies of urinary system
- 754 Certain congenital musculoskeletal deformities
- 755 Other congenital anomalies of limbs
- 756 Other congenital musculoskeletal anomalies
- 757 Congenital anomalies of the integument
- 758 Chromosomal anomalies
- 759 Other and unspecified congenital anomalies

XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD

- 760 Fetus or newborn affected by maternal conditions which may be unrelated to present pregnancy
- 761 Fetus or newborn affected by maternal complications of pregnancy
- 762 Fetus or newborn affected by complications of placenta, cord and membranes
- 763 Fetus or newborn affected by other complications of labour and delivery
- 764 Slow fetal growth and fetal malnutrition
- 765 Disorders relating to short gestation and unspecified low birthweight
- 766 Disorders relating to long gestation and high birthweight
- 767 Birth trauma
- 768 Intruterine hypoxia and birth asphyxia
- 769 Respiratory distress syndrome
- 770 Other respiratory conditions of fetus and newborn
- 771 Infections specific to the perinatal period
- 772 Fetal and neonatal haemorrhage
- 773 Haemolytic disease of fetus or newborn, due to isoimmunization
- 774 Other perinatal jaundice
- 775 Endocrine and metabolic disturbances, specific to fetus and newborn
- 776 Haematological disorders of digestive system
- 777 Perinatal disorders of digestive system

- 778 Conditions involving the integument and temperature regulation of fetus and newborn
- 779 Other and ill-defined conditions originating in the perinatal period

XVI SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS

Symptoms (780-789)

- 780 General symptoms
- 781 Symptoms involving nervous and musculoskeletal systems
- 782 Symptoms involving skin and other integumentary tissue
- 783 Symptoms concerning nutrition, metabolism and development
- 784 Symptoms involving head and neck
- 785 Symptoms involving cardiovascular system
- 786 Symptoms involving respiratory system and other chest symptoms
- 787 Symptoms involving digestive system
- 788 Symptoms involving urinary system
- 789 Other symptoms involving abdomen and pelvis

Nonspecific abnormal findings (790-796)

- 790 Nonspecific findings on examination of blood
- 791 Nonspecific findings on examination of urine
- 792 Nonspecific abnormal findings in other body substances
- 793 Nonspecific abnormal findings on radiological and other examination of body structure
- 794 Nonspecific abnormal results of function studies
- 795 Nonspecific abnormal histological and immunological findings
- 796 Other nonspecific abnormal findings

Ill-defined and unknown causes of morbidity and mortality (797-799)

- 797 Senility without mention of psychosis
- 798 Sudden death, cause unknown
- 799 Other ill-defined and unknown causes of morbidity and mortality

XVII INJURY AND POISONING

Fracture of skull (800-804)

- 800 Fracture of vault of skull
- 801 Fracture of base of skull
- 802 Fracture of face bones
- 803 Other and unqualified skull fractures
- 804 Multiple fractures involving skull or face with other bones

Fractures of spine and trunk (805-809)

- 805 Fracture of vertebral column without mention of spinal cord
- 806 Fracture of vertebral column with spinal lesion
- 807 Fractures of rib(s), sternum, larynx and trachea
- 808 Fracture of pelvis
- 809 Ill-defined fracture of trunk

Fracture of upper limb (810-819)

- 810 Fracture of clavicle
- 811 Fracture of scapula
- 812 Fracture of humerus
- 813 Fracture of radius and ulna
- 814 Fracture of carpal bone(s)
- 815 Fracture of metacarpal bone(s)
- 816 Fracture of one or more phalanges of hand
- 817 Multiple fractures of hand bones
- 818 Ill-defines fractures of upper limb
- 819 Multiple fractures involving both upper limbs, and upper limb with rib(s) and sternum

Fracture of lower limb (820-829)

- 820 Fracture of neck of femur
- 821 Fracture of other unspecified parts of femur
- 822 Fracture of patella
- 823 Fracture of tibia and fibula
- 824 Fracture of ankle
- 825 Fracture of one or more tarsal and metatarsal bones
- 826 Fracture of one or more phalanges of foot
- 827 Other, multiple and ill-defined fractures of lower limb
- 828 Multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum
- 829 Fracture of unspecified bones

Dislocation (830-839)

- 830 Dislocation of jaw
- 831 Dislocation of shoulder
- 832 Dislocation of elbow
- 833 Dislocation of wrist
- 834 Dislocation of finger
- 835 Dislocation of hip
- 836 Dislocation of knee
- 837 Dislocation of ankle
- 838 Dislocation of foot
- 839 Other, multiple and ill-defined dislocations

Sprains and strains of joints and adjacent muscles (840-848)

- 840 Sprains and strains of shoulder and upper arm
- 841 Sprains and strains of elbow and forearm
- 842 Sprains and strains of wrist and hand
- 843 Sprains and strains of hip and thigh
- 844 Sprains and strains of knee and leg
- 845 Sprains and strains of ankle and foot
- 846 Sprains and strains of sacroiliac region
- 847 Sprains and strains of other and unspecified parts of back
- 848 Other ill-defined sprains and strains

Intracranial injury, excluding those with skull fracture (850-854)

- 850 Concussion
- 851 Cerebral laceration and contusion
- 852 Subarachnoid, subdural and extradural haemorrhage, following injury

- 853 Other and unspecified intracranial haemorrhage following injury
854 Intracranial injury of other and unspecified ~~are~~

Internal injury of chest, abdomen and pelvis (860-869)

- 860 Traumatic pneumothorax and haemothorax
861 Injury to heart and lung
862 Injury to other and unspecified intrathoracic organs
863 Injury to gastrointestinal tract
864 Injury to liver
865 Injury to spleen
866 Injury to kidney
867 Injury to pelvic organs
868 Injury to other intraabdominal organs
869 Internal injury to unspecified or ill-defined organs

Open wound of head, neck and trunk (870-879)

- 870 Open wound of ocular adnexa
871 Open wound of eyeball
872 Open wound of ear
873 Other open wound of head
874 Open wound of neck
875 Open wound of chest (wall)
876 Open wound of back
877 Open wound of buttock
878 Open wound of genital organs (external), including traumatic amputation
879 Open wound of other and unspecified sites, except limbs

Open wound of upper limb (880-887)

- 880 Open wound of shoulder and upper arm
881 Open wound of elbow, forearm and wrist
882 Open wound of hand except finger(s) alone
883 Open wound of finger(s)
884 Multiple and unspecified open wound of upper limb
885 Traumatic amputation of thumb (complete)(partial)
886 Traumatic amputation of other finger(s) (complete)(partial)
887 Traumatic amputation of arm and hand (complete)(partial)

Open wound of lower limb (890-897)

- 890 Open wound of hip and thigh
891 Open wound of knee, leg (except thigh) and ankle
892 Open wound of foot except toe(s) alone
893 Open wound of toe(s)
894 Multiple and unspecified open wound of lower limb
895 Traumatic amputation of toe(s) (complete)(partial)
896 Traumatic amputation of foot (complete)(partial)
897 Traumatic amputation of leg(s) (complete)(partial)

Injury to blood vessels (900-904)

- 900 Injury to blood vessels of head and neck
- 901 Injury to blood vessels of thorax
- 902 Injury to blood vessels of abdomen and pelvis
- 903 Injury to blood vessels of upper extremity
- 904 Injury to blood vessels of lower extremity and unspecified sites

Late effects of injuries, poisonings, toxic effects and other external causes (905-909)

- 905 Late effects of musculoskeletal and connective tissue injuries
- 906 Late effects of injuries to skin and subcutaneous tissues
- 907 Late effects of injuries to the nervous system
- 908 Late effects of other and unspecified injuries
- 909 Late effects of other and unspecified external causes

Superficial injury (910-919)

- 910 Superficial injury of face, neck and scalp except eye
- 911 Superficial injury of trunk
- 912 Superficial injury of shoulder and upper arm
- 913 Superficial injury of elbow, forearm and wrist
- 914 Superficial injury of hand(s) except finger(s) alone
- 915 Superficial injury of finger(s)
- 916 Superficial injury of hip, thigh, leg and ankle
- 917 Superficial injury of foot and toe(s)
- 918 Superficial injury of eye and adnexa
- 919 Superficial injury of other, multiple and unspecified sites

Contusion with intact skin surface (920-924)

- 920 Contusion of face, scalp, and neck except eye(s)
- 921 Contusion of eye and adnexa
- 922 Contusion of trunk
- 923 Contusion of upper limb
- 924 Contusion of lower limb and of other and unspecified sites

Crushing injury (925-929)

- 925 Crushing injury of face, scalp and neck
- 926 Crushing injury of trunk
- 927 Crushing injury of upper limb
- 928 Crushing injury of lower limb
- 929 Crushing injury of multiple and unspecified sites

Effects of foreign body entering through orifice (930-939)

- 930 Foreign body on external eye
- 931 Foreign body in ear
- 932 Foreign body in nose
- 933 Foreign body in pharynx and larynx
- 934 Foreign body in trachea, bronchus and lung
- 935 Foreign body in mouth, oesophagus and stomach
- 936 Foreign body in intestine and colon
- 937 Foreign body in anus and rectum
- 938 Foreign body in digestive system, unspecified

939 Foreign body in genitorinary tract

Burns (940-949)

940 Burn confined to eye and adnexa
941 Burn of face, head and neck
942 Burn of trunk
943 Burn of upper limb, except wrist and hand
944 Burn of wrists(s) and hand(s)
945 Burn of lower limb(s)
946 Burns of multiple specified sites
947 Burn of internal organs
948 Burns classified according to extent of body surface involved
949 Burns unspecified

Injury to nerves and spinal cord (950-957)

950 Injury to optic nerve and pathways
951 Injury to other cranial nerve(s)
952 Spinal cord lesion without evidence of spinal bone injury
953 Injury to nerve roots and spinal plexus
954 Injury to other nerve(s) of trunk excluding shoulder and pelvic girdles
955 Injury to peripheral nerve(s) of shoulder girdle and upper limb
956 Injury to peripheral nerve(s) of pelvic girdle and lower limb
957 Injury to other and unspecified nerves

Certain traumatic complications and unspecified injuries (958-959)

958 Certain early complications of trauma
959 Injury, other and unspecified

Poisoning by drugs, medicaments and biological substances (960-979)

960 Poisoning by antibiotics
961 Poisoning by other anti-infectives
962 Poisoning by hormones and synthetic substitutes
963 Poisoning by primarily systemic agents
964 Poisoning by agents primarily affecting blood constituents
965 Poisoning by analgesics, antipyretics and antirheumatics
966 Poisoning by anticonvulsants and anti-Parkinsonism drugs
967 Poisoning by sedatives and hypnotics
968 Poisoning by other central nervous system depressants
969 Poisoning by psychotropic agents
970 Poisoning by central nervous system stimulants
971 Poisoning by drugs primarily affecting the autonomic nervous system
972 Poisoning by agents primarily affecting the cardiovascular system
973 Poisoning by agents primarily affecting the gastrointestinal system
974 Poisoning by water, mineral and lactic acid metabolism drugs
975 Poisoning by agents primarily acting on the smooth and skeletal muscles and respiratory system
976 Poisoning by agents primarily affecting skin and mucous membrane, ophthalmological, otorhinolaryngological and dental drugs
977 Poisoning by other and unspecified drugs and medicaments
978 Poisoning by bacterial vaccines
979 Poisoning by other vaccines and biological substances

Toxic effects of substances chiefly nonmedical as to source (980-989)

- 980 Toxic effect of alcohol
- 981 Toxic effect of petroleum products
- 982 Toxic effect of solvents other than petroleum-based
- 983 Toxic effect of corrosive aromatics, acids and caustic alkalis
- 984 Toxic effect of lead and its compounds (including fumes)
- 985 Toxic effect of other metals
- 986 Toxic effect of carbon monoxide
- 987 Toxic effect of other gases, fumes or vapours
- 988 Toxic effect of noxious substances eaten as food
- 989 Toxic effect of other substances, chiefly nonmedical as to source

Other and unspecified effects of external causes (990-995)

- 990 Effects of radiation, unspecified
- 991 Effects of reduced temperature
- 992 Effects of heat and light
- 993 Effects of air pressure
- 994 Effects of other external causes
- 995 Certain adverse effects not elsewhere classified

Complications of surgical and medical care not elsewhere classified (996-999)

- 996 Complications peculiar to certain specified procedures
- 997 Complications affecting specified body systems, not elsewhere classified
- 998 Other complications of procedures, not elsewhere classified
- 999 Complications of medical care, not elsewhere classified

End of ICD

NON-ICD CODES

The following non-ICD codes are employed to avoid the use of alphanumeric codes:

- 497 Renal dialysis
- 498 Sterilisation
- 499 Suspected condition ruled out after observation/investigation
- 649 Contraceptive management
- 699 Operation - cosmetic
- 898 Operation/surgery/investigation not elsewhere classified corrective/restorative
- 899 Inadequate/irrelevant/unspecific response

ALPHABETICAL ORDER OF CONDITIONS

661	Abnormality of forces of labour
654	Abnormality of organs and soft tissue of pelvis
566	Abscess of anal and rectal regions
513	Abscess of lung and mediastinum
133	Acariasis
735	Acquired deformities of toe
283	Acquired haemolytic anaemias
244	Acquired hypothyroidism
039	Actinomycotic infections
421	Acute and subacute endocarditis
570	Acute and subacute necrosis of liver
540	Acute appendicitis
466	Acute bronchitis and bronchiolitis
436	Acute but ill-defined cerebrovascular disease
580	Acute glomerulonephritis
464	Acute laryngitis
683	Acute lymphadenitis
410	Acute myocardial infarction
422	Acute myocarditis
460	Acute nasopharyngitis (common cold)
420	Acute pericarditis
462	Acute pharyngitis
045	Acute poliomyelitis
415	Acute pulmonary heart disease
308	Acute reaction to stress
584	Acute renal failure
461	Acute sinusitis
463	Acute tonsillitis
465	Acute upper respiratory infections of multiple or unspecified sites
309	Adjustment to reaction
296	Affective psychoses
303	Alcohol dependence syndrome
291	Alcoholic psychoses
477	Allergic rhinitis
006	Amoebiasis
565	Anal fissure and fistula
126	Ancylostomiasis and necatoriasis
740	Anencephalus and similar anomalies
413	Angina pectoris
720	Ankylosing spondylitis and other inflammatory spondylopathies
641	Antepartum haemorrhage, abruptio placentae, and placenta praevia
335	Anterior horn cell disease
022	Anthrax
441	Aortic aneurysm
284	Aplastic anaemia
541	Appendicitis, unqualified
444	Arterial embolism and thrombosis
711	Arthropathy associated with infections
713	Arthropathy associated with other disorders classified elsewhere
065	Arthropod-borne haemorrhagic fever
501	Asbestosis
267	Ascorbic acid deficiency
493	Asthma
440	Atherosclerosis
691	Atopic dermatitis and related conditions

041 Bacterial infection in conditions classified elsewhere and of
 320 Bacterial meningitis
 610 Benign mammary dysplasias
 213 Benign neoplasm of bone and articular cartilage
 225 Benign neoplasm of brain and other parts of nervous system
 217 Benign neoplasm of breast
 224 Benign neoplasm of eye
 223 Benign neoplasm of kidney and other urinary organs
 210 Benign neoplasm of lip, oral cavity and pharynx
 222 Benign neoplasm of male genital organs
 229 Benign neoplasm of other and unspecified site
 227 Benign neoplasm of other endocrine glands and related structures
 221 Benign neoplasm of other female genital organs
 211 Benign neoplasm of other parts of digestive system
 220 Benign neoplasm of ovary
 212 Benign neoplasm of respiratory and intrathoracic organs
 216 Benign neoplasm of skin
 226 Benign neoplasm of thyroid gland
 767 Birth trauma
 116 Blastomycotic infection
 369 Blindness and low vision
 494 Bronchiectasis
 490 Bronchitis, not specified as acute or chronic
 485 Bronchopneumonia, organism unspecified
 023 Brucellosis
 745 Bulbus cordis anomalies and anomalies of cardiac septal closure
 694 Bullous dermatoses
 940 Burn confined to eye and adnexa
 941 Burn of face, head and neck
 947 Burn of internal organs
 945 Burn of lower limb(s)
 942 Burn of trunk
 943 Burn of upper limb, except wrist and hand
 944 Burn of wrists(s) and hand(s)
 948 Burns classified according to extent of body surface involved
 946 Burns of multiple specified sites
 949 Burns unspecified

 592 Calculus of kidney and ureter
 594 Calculus of lower urinary tract
 112 Candidiasis
 680 Carbuncle and furuncle
 233 Carcinoma in situ of breast and genitourinary system
 230 Carcinoma in situ of digestive organs
 234 Carcinoma in situ of other and unspecified sites
 231 Carcinoma in situ of respiratory system
 232 Carcinoma in situ of skin
 427 Cardiac dysrhythmias
 425 Cardiomyopathy
 093 Cardiovascular syphilis
 347 Cataplexy and narcolepsy
 366 Cataract
 681 Cellulitis and abscess of finger and toe
 330 Cerebral degenerations usually manifest in childhood
 851 Cerebral laceration and contusion
 995 Certain adverse effects not elsewhere classified
 754 Certain congenital musculoskeletal deformities
 958 Certain early complications of trauma
 052 Chickenpox
 574 Cholelithiasis
 001 Cholera

363 Chorioetinal inflammations and scars and other disorders of choroid
 758 Chromosomal anomalies
 496 Chronic airways obstruction, not elsewhere classified
 491 Chronic bronchitis
 474 Chronic disease of tonsils and adenoids
 582 Chronic glomerulonephritis
 476 Chronic laryngitis and laryngotracheitis
 571 Chronic liver disease and cirrhosis
 472 Chronic pharyngitis and nasopharyngitis
 416 Chronic pulmonary heart disease
 585 Chronic renal failure
 393 Chronic rheumatic pericarditis
 473 Chronic sinusitis
 707 Chronic ulcer of skin
 749 Cleft palate and cleftlip
 286 Coagulation defects
 500 Coalworkers' pneumoconiosis
 114 Coccidioidomycosis
 997 Complications affecting specified body systems, not elsewhere classified
 639 Complications following abortion and ectopic and molar pregnancies
 999 Complications of medical care, not elsewhere classified
 668 Complications of the administration of anaesthetic or other sedation in
 996 Complications peculiar to certain specified procedures
 850 Concussion
 778 Conditions involving the integument and temperature regulation of
 426 Conduction disorders
 744 Congenital anomalies of ear, face and neck
 743 Congenital anomalies of eye
 752 Congenital anomalies of genital organs
 748 Congenital anomalies of respiratory system
 757 Congenital anomalies of the integument
 753 Congenital anomalies of urinary system
 243 Congenital hypothyroidism
 090 Congenital syphilis
 692 Contact dermatitis and other eczema
 649 Contraceptive management
 921 Contusion of eye and adnexa
 920 Contusion of face, scalp, and neck except eye(s)
 924 Contusion of lower limb and of other and unspecified sites
 922 Contusion of trunk
 923 Contusion of upper limb
 371 Corneal opacity and other disorders of cornea
 700 Corns and callosities
 051 Cowpox and paravaccinia
 925 Crushing injury of face, scalp and neck
 928 Crushing injury of lower limb
 929 Crushing injury of multiple and unspecified sites
 926 Crushing injury of trunk
 927 Crushing injury of upper limb
 712 Crystal arthropathies
 737 Curvature of spine
 595 Cystitis

 389 Deafness
 266 Deficiency of B-complex components
 470 Deflected nasal septum
 650 Delivery in a completely normal case
 061 Dengue
 524 Dentofacial anomalies, including malocclusion
 311 Depressive disorder, not elsewhere classified
 693 Dermatitis due to taken internally substances

111	Dermatomycosis, other unspecified
110	Dermatophytosis
250	Diabetes mellitus
710	Diffuse disease of connective tissue
032	Diphtheria
529	Diseases and other conditions of the tongue
031	Diseases due to other mycobacteria
395	Diseases of aortic valve
448	Diseases of capillaries
704	Diseases of hair and hair follicles
521	Diseases of hard tissues of teeth
396	Diseases of mitral and aortic valves
394	Diseases of mitral valve
703	Diseases of nail
530	Diseases of oesophagus
397	Diseases of other endocardial structures
577	Diseases of pancreas
522	Diseases of pulp and periapical tissues
706	Diseases of sebaceous glands
526	Diseases of the jaws
528	Diseases of the oral soft tissues, excluding lesions specific for
527	Diseases of the salivary glands
254	Diseases of thymus gland
288	Diseases of white blood cells
837	Dislocation of ankle
832	Dislocation of elbow
834	Dislocation of finger
838	Dislocation of foot
835	Dislocation of hip
830	Dislocation of jaw
836	Dislocation of knee
831	dislocation of shoulder
833	Dislocation of wrist
279	Disorders involving the immune mechanism
255	Disorders of adrenal glands
270	Disorders of amino-acid transport and metabolism
271	Disorders of carbohydrate transport and metabolism
372	Disorders of conjunctiva
380	Disorders of external ear
276	Disorders of fluid, electrolyte and acid-base balance
536	Disorders of function of stomach
364	Disorders of iris and ciliary body
375	Disorders of lacrimal system
272	Disorders of lipoid metabolism
626	Disorders of menstruation and other abnormal bleeding from
275	Disorders of mineral metabolism
728	Disorders of muscle, ligament and fascia
377	Disorders of optic nerve and visual pathways
352	Disorders of other cranial nerves
252	Disorders of parathyroid gland
607	Disorders of penis
273	Disorders of plasma protein metabolism
367	Disorders of refraction and accommodation
705	Disorders of sweat glands
337	Disorders of the autonomic nervous system
360	Disorders of the globe
376	Disorders of the orbit
253	Disorders of the pituitary gland and its hypothalamic control
520	Disorders of tooth development and eruption
621	Disorders of uterus, not elsewhere classified
766	Disorders relating to long gestation and high birthweight

765 Disorders relating to short gestation and unspecified low birthweight
 588 Disorders resulting from impaired renal function
 653 Disproportion
 312 Disturbance of conduct not elsewhere classified
 313 Disturbance of emotions specific to childhood and adolescence
 562 Diverticula of intestine
 304 Drug dependence
 292 Drug psychoses
 532 Duodenal ulcer

 644 Early or threatened labour
 092 Early syphilis, latent
 091 Early syphilis, symptomatic
 122 Echinococcosis
 633 Ectopic pregnancy
 993 Effects of air pressure
 992 Effects of heat and light
 994 Effects of other external causes
 990 Effects of radiation, unspecified
 991 Effects of reduced temperature
 492 Emphysema
 510 Empyema
 323 Encephalitis, myelitis and encephalomyelitis
 775 Endocrine and metabolic disturbances, specific to fetus and newborn
 617 Endometriosis
 345 Epilepsy
 035 Erysipelas
 690 Erythematous squamous dermatosis
 695 Erythematous conditions
 401 Essential hypertension
 643 Excessive vomiting in pregnancy
 495 Extrinsic allergic alveolitis

 351 Facial nerve disorders
 638 Failed attempted abortion
 772 Fetal and neonatal haemorrhage
 762 Fetus or newborn affected by complications of placenta, cord and membranes
 761 Fetus or newborn affected by maternal complications of pregnancy
 760 Fetus or newborn affected by maternal conditions which may be unrelated to
 763 Fetus or newborn affected by other complications of labour and delivery
 125 Filarial infection and dracontiasis
 619 Fistulae involving female genital tract
 734 Flat foot
 937 Foreign body in anus and rectum
 938 Foreign body in digestive system, unspecified
 931 Foreign body in ear
 939 Foreign body in genitorinatory tract
 936 Foreign body in intestine and colon
 935 Foreign body in mouth, oesophagus and stomach
 932 Foreign body in nose
 933 Foreign body in pharynx and larynx
 934 Foreign body in trachea, bronchus and lung
 930 Foreign body on external eye
 824 Fracture of ankle
 801 Fracture of base of skull
 814 Fracture of carpal bone(s)
 810 Fracture of clavicle
 802 Fracture of face bones
 812 Fracture of humerus
 815 Fracture of metacarpal bone(s)
 820 Fracture of neck of femur

826	Fracture of one or more phalanges of foot
816	Fracture of one or more phalanges of hand
825	Fracture of one or more tarsal and metatarsal bones
821	Fracture of other unspecified parts of femur
822	Fracture of patella
808	Fracture of pelvis
813	Fracture of radius and ulna
811	Fracture of scapula
823	Fracture of tibia and fibula
829	Fracture of unspecified bones
800	Fracture of vault of skull
806	Fracture of vertebral column with spinal lesion
805	Fracture of vertebral column without mention of spinal cord
807	Fractures of rib(s), sternum, larynx and trachea
564	Functional digestive disorders, not elsewhere classified
531	Gastric ulcer
535	Gastritis and duodenitis
578	Gastrointestinal haemorrhage
534	Gastrojejunal ulcer
780	General symptoms
618	Genital prolapse
523	Gingival and periodontal diseases
024	Glanders
365	Glaucoma
098	Gonococcal infections
274	Gout
228	Haemangiomas and lymphangioma, any site
776	Haematological disorders of digestive system
773	Haemolytic disease of fetus or newborn, due to isoimmunization
640	Haemorrhage in early pregnancy
455	Haemorrhoids
428	Heart failure
342	Hemiplegia
356	Hereditary and idiopathic peripheral neuropathy
282	Hereditary haemolytic anaemias
054	Herpes simplex
053	Herpes zoster
115	Histoplasmosis
201	Hodgkin's disease
630	Hydatidiform mole
603	Hydrocele
591	Hydronephrosis
314	Hyperkinetic syndrome of childhood
600	Hyperplasia of prostate
642	Hypertension complicating pregnancy, childbirth and the puerperium
404	Hypertensive heart and renal disease
402	Hypertensive heart disease
403	Hypertensive renal disease
458	Hypotension
556	Idiopathic proctocolitis
429	Ill-defined descriptions and complications of heart disease
809	Ill-defined fracture of trunk
009	Ill-defined intestinal infections
818	Ill-defined fractures of upper limb
636	Illegally induced abortion
684	Impetigo
899	Inadequate/irrelevant/unspecific response
343	Infantile cerebral palsy

590 Infection of kidney
 675 Infections of the breast and nipple associated with childbirth
 771 Infections specific to the perinatal period
 075 Infectious mononucleosis
 647 Infective and parasitic conditions in the mother classifiable elsewhere but complicating pregnancy, childbirth and the puerperium
 628 Infertility, female
 606 Infertility, male
 357 Inflammatory and toxic neuropathy
 373 Inflammation of eyelids
 614 Inflammatory disease of ovary, fallopian tube, pelvic cellular
 616 Inflammatory disease of cervix, vagina and vulva
 601 Inflammatory diseases of prostate
 615 Inflammatory diseases of uterus, except cervix
 487 Influenza
 550 Inguinal hernia
 901 Injury to blood vessels of thorax
 902 Injury to blood vessels of abdomen and pelvis
 900 Injury to blood vessels of head and neck
 904 Injury to blood vessels of lower extremity and unspecified sites
 903 Injury to blood vessels of upper extremity
 863 Injury to gastrointestinal tract
 861 Injury to heart and lung
 866 Injury to kidney
 864 Injury to liver
 953 Injury to nerve roots and spinal plexus
 950 Injury to optic nerve and pathways
 862 Injury to other and unspecified intrathoracic organs
 957 Injury to other and unspecified nerves
 951 Injury to other cranial nerve(s)
 868 Injury to other intraabdominal organs
 954 Injury to other nerve(s) of trunk excluding shoulder and pelvic girdles
 867 Injury to pelvic organs
 956 Injury to peripheral nerve(s) of pelvic girdle and lower limb
 955 Injury to peripheral nerve(s) of shoulder girdle and upper limb
 865 Injury to spleen
 959 Injury, other and unspecified
 717 Internal derangement of joint
 869 Internal injury to unspecified or ill-defined organs
 722 Intervertebral disc disorders
 008 Intestinal infections due to other organisms
 579 Intestinal malabsorption
 560 Intestinal obstruction without mention of hernia
 129 Intestinal parasitism, unspecified
 854 Intracranial injury of other and unspecified nature
 431 Intracerebral haemorrhage
 324 Intracranial and intraspinal abscess
 768 Intruterine hypoxia and birth asphyxia
 280 Iron deficiency anaemias

 370 Keratitis
 655 Known or suspected fetal abnormality affecting management of mother
 260 Kwashiorkor

 138 Late effects of acute poliomyelitis
 438 Late effects of cerebrovascular disease
 906 Late effects of injuries to skin and subcutaneous tissues
 907 Late effects of injuries to the nervous system
 326 Late effects of intracranial abscess or pyogenic infection
 905 Late effects of musculoskeletal and connective tissue injuries
 909 Late effects of other and unspecified external causes

908 Late effects of other and unspecified injuries
 139 Late effects of other infectious and parasitic diseases
 137 Late effects of tuberculosis
 096 Late syphilis, latent
 635 Legally induced abortion
 085 Leishmaniasis
 030 Leprosy
 100 Leptospirosis
 208 Leukaemia of unspecified cell type
 697 Lichen
 214 Lipoma
 572 Liver abscess and sequelae of chronic liver disease
 662 Long labour
 080 Louse-borne [epidemic] typhus
 517 Lung involvement in conditions classified elsewhere
 204 Lymphoid leukaemia
 200 Lymphosarcoma and reticulosarcoma

670 Major puerperal infection
 084 Malaria
 181 Malignant neoplasm of placenta
 172 Malignant melanoma of skin
 188 Malignant neoplasm of bladder
 182 Malignant neoplasm of body of uterus
 170 Malignant neoplasm of bone and articular cartilage
 191 Malignant neoplasm of brain
 180 Malignant neoplasm of cervix uteri
 153 Malignant neoplasm of colon
 171 Malignant neoplasm of connective and other soft tissue
 190 Malignant neoplasm of eye
 174 Malignant neoplasm of female breast
 144 Malignant neoplasm of floor of mouth
 156 Malignant neoplasm of gallbladder and extrahepatic bile ducts
 143 Malignant neoplasm of gum
 148 Malignant neoplasm of hypopharynx
 189 Malignant neoplasm of kidney and other and unspecified urinary organs
 161 Malignant neoplasm of larynx
 140 Malignant neoplasm of lip
 155 Malignant neoplasm of liver and intrahepatic bile ducts
 142 Malignant neoplasm of major salivary glands
 175 Malignant neoplasm of male breast
 160 Malignant neoplasm of nasal cavities, middle ear and accessory sinuses
 147 Malignant neoplasm of nasopharynx
 150 Malignant neoplasm of oesophagus
 146 Malignant neoplasm of oropharynx
 195 Malignant neoplasm of other and ill-defined sites
 159 Malignant neoplasm of other and ill-defined sites within the digestive
 149 Malignant neoplasm of other and ill-defined sites within the lip, oral
 165 Malignant neoplasm of other and ill-defined sites within the respiratory
 184 Malignant neoplasm of other and unspecified female genital organs
 145 Malignant neoplasm of other and unspecified parts of mouth
 192 Malignant neoplasm of other and unspecified parts of nervous system
 194 Malignant neoplasm of other endocrine glands and related structures
 183 Malignant neoplasm of ovary and other uterine adnexa
 157 Malignant neoplasm of pancreas
 187 Malignant neoplasm of penis and other male genital organs
 163 Malignant neoplasm of pleura
 158 Malignant neoplasm of retroperitoneum and peritoneum
 152 Malignant neoplasm of small intestine, including duodenum
 151 Malignant neoplasm of stomach
 186 Malignant neoplasm of testis

164	Malignant neoplasm of thymus, heart and mediastinum
193	Malignant neoplasm of thyroid gland
141	Malignant neoplasm of tongue
162	Malignant neoplasm of trachea, bronchus and lung
179	Malignant neoplasm of uterus, part unspecified
154	Malignant neoplasm or rectum, rectosigmoid junction and anus
199	Malignant neoplasm without specification of site
185	Malignant neoplasms of prostate
652	Malposition and malpresentation of fetus
383	Mastoiditis and related conditions
055	Measles
025	Melioidosis
047	Meningitis due to enterovirus
321	Meningitis due to other organisms
322	Meningitis of unspecified cause
036	Meningococcal infection
627	Menopausal and postmenopausal disorders
346	Migraine
317	Mild mental retardation
018	Miliary tuberculosis
632	Missed abortion
206	Monocytic leukaemia
355	Mononeuritis of lower limb
354	Mononeuritis of upper limb and mononeuritis multiplex
794	Nonspecific abnormal results of function studies
062	Mosquito-borne viral encephalitis
894	Multiple and unspecified open wound of lower limb
884	Multiple and unspecified open wound of upper limb
828	Multiple fractures involving both lower limbs, lower with upper limb, and
819	Multiple fractures involving both upper limbs, and upper limb with
804	Multiple fractures involving skull or face with other bones
817	Multiple fractures of hand bones
651	Multiple gestation
203	Multiple myeloma and immunoproliferative neoplasms
340	Multiple sclerosis
072	Mumps
359	Muscular dystrophies and other myopathies
205	Myeloid leukaemia
358	Myoneural disorders
471	Nasal polyps
235	Neoplasm of uncertain behaviour of digestive and respiratory systems
237	Neoplasm of uncertain behaviour of endocrine glands and nervous system
236	Neoplasm of uncertain behaviour of genitourinary organs
238	Neoplasm of uncertain behaviour of other and unspecified sites and tissues
239	Neoplasms of unspecified nature
583	Nephritis and nephropathy, not specified as acute or chronic
581	Nephrotic syndrome
353	Nerve root and plexus disorders
094	Neurosyphilis
300	Neurotic disorders
739	Nonallopathic lesions, not elsewhere classified
305	Nondependent abuse of drugs
457	Noninfective disorders of lymphatic channels
622	Noninflammatory disorders of cervix
620	Noninflammatory disorders of ovary, fallopian tube and broad ligament
623	Noninflammatory disorders of vagina
624	Noninflammatory disorders of vulva and perineum
792	Nonspecific abnormal findings in other body substances
793	Nonspecific abnormal findings in radiological and other examination
795	Nonspecific abnormal histological and immunological findings

790 Nonspecific findings on examination of blood
 791 Nonspecific findings on examination of urine
 381 Nonsuppurative otitis media and Eustachian tube disorders
 241 Nontoxic nodular goitre
 261 Nutritional marasmus

 278 Obesity and other hyperalimentation
 673 Obstetrical pulmonary embolism
 660 Obstructed labour
 433 Occlusion and stenosis of precerebral arteries
 434 Occlusion of cerebral arteries
 412 Old myocardial infarction
 507 Oneumonitis due to solids and liquids
 876 Open wound of back
 877 Open wound of buttock
 875 Open wound of chest (wall)
 872 Open wound of ear
 881 Open wound of elbow, forearm and wrist
 871 Open wound of eyeball
 883 Open wound of finger(s)
 892 Open wound of foot except toe(s) alone
 878 Open wound of genital organs (external), including traumatic amputation
 882 Open wound of hand except finger(s) alone
 890 Open wound of hip and thigh
 891 Open wound of knee, leg (except thigh) and ankle
 874 Open wound of neck
 870 Open wound of ocular adnexa
 879 Open wound of other and unspecified sites, except limbs
 880 Open wound of shoulder and upper arm
 893 Open wound of toe(s)
 699 Operation - cosmetic
 898 Operation/surgery/investigation not elsewhere classified
 118 Opportunistic mycoses
 604 Orchitis and epididymitis
 073 Ornithosis
 731 Osteitis deformans and osteopathies associated with other disorders
 715 Osteoarthritis and allied disorders
 732 Osteochondropathies
 730 Osteomyelitis, periostitis and other infections involving bone
 631 Other abnormal product of conception
 736 Other acquired deformities of limbs
 738 Other acquired deformity
 411 Other acute and subacute form of ischaemic heart disease
 516 Other alveolar and parietoalveolar pneumopathy
 437 Other and ill-defined cerebrovascular disease
 779 Other and ill-defined conditions originating in the perinatal period
 803 Other and unqualified skull fractures
 285 Other and unspecified anaemias
 716 Other and unspecified arthropathies
 674 Other and unspecified complications of the puerperium, not
 759 Other and unspecified congenital anomalies
 719 Other and unspecified disorder of joint
 724 Other and unspecified disorders of back
 277 Other and unspecified disorders of metabolism
 349 Other and unspecified disorders of the nervous system
 128 Other and unspecified helminthiasis
 136 Other and unspecified infectious and parasitic diseases
 432 Other and unspecified intracranial haemorrhage
 853 Other and unspecified intracranial haemorrhage following injury
 263 Other and unspecified protein-calorie malnutrition
 097 Other and unspecified syphilis

442	Other aneurysm
542	Other appendicitis
088	Other arthropod-borne diseases
066	Other arthropod-borne viral diseases
040	Other bacterial diseases
482	Other bacterial pneumonia
219	Other benign neoplasm of uterus
215	Other benign neoplasm of connective and other soft tissue
682	Other cellulitis and abscess
331	Other cerebral degenerations
123	Other cestode infection
646	Other complications of pregnancy, not elsewhere classified
998	Other complications of procedures, not elsewhere classified
669	Other complications of labour and delivery, not elsewhere classified
348	Other conditions of brain
747	Other congenital anomalies of circulatory system
751	Other congenital anomalies of digestive system
746	Other congenital anomalies of heart
755	Other congenital anomalies of limbs
742	Other congenital anomalies of nervous system
750	Other congenital anomalies of upper alimentary tract
756	Other congenital musculoskeletal anomalies
648	Other current conditions in the mother elsewhere but complicating
281	Other deficiency anaemias
341	Other demyelinating diseases of central nervous system
718	Other derangement of joint
702	Other dermatoses
379	Other disorders of eye
525	Other diseases and conditions of the teeth and supporting structures
078	Other diseases due to viruses and Chlamydiae
543	Other diseases of appendix
289	Other diseases of blood and blood-forming organs
077	Other diseases of conjunctiva due to viruses and Chlamydiae
424	Other diseases of endocardium
518	Other diseases of lung
423	Other diseases of pericardium
417	Other diseases of pulmonary circulation
519	Other diseases of respiratory system
336	Other diseases of spinal cord
478	Other diseases of upper respiratory tract
251	Other disorders of pancreatic internal secretion
629	Other disorders of female genital organs
447	Other disorders of arteries and arterioles
576	Other disorders of biliary tract
733	Other disorders of bone and cartilage
611	Other disorders of breast
723	Other disorders of cervical region
459	Other disorders of circulatory system
388	Other disorders of ear
374	Other disorders of eyelids
569	Other disorders of intestine
593	Other disorders of kidney and ureter
573	Other disorders of liver
608	Other disorders of male genital organs
385	Other disorders of middle ear and mastoid
568	Other disorders of peritoneum
602	Other disorders of prostate
709	Other disorders of skin and subcutaneous tissue
729	Other disorders of soft tissues
537	Other disorders of stomach and duodenum
727	Other disorders of synovium, tendon and bursa

596 Other disorders of the bladder
 676 Other disorders of the breast associated with childbirth and
 575 Other disorders of the gallbladder
 246 Other disorders of the thyroid
 384 Other disorders of tympanic membrane
 599 Other disorders of urethra and urinary tract
 259 Other endocrine disorders
 048 Other enterovirus diseases of central nervous system
 333 Other extrapyramidal disease and abnormal movement disorders
 656 Other fetal and placental problems affecting management of mother
 005 Other food poisoning (bacterial)
 414 Other forms of chronic ischaemic heart disease
 095 Other forms of late syphilis with symptoms
 552 Other hernia of abdominal cavity with obstruction, without
 553 Other hernia of abdominal cavity without mention of obstruction
 551 Other hernia of abdominal cavity, with gangrene
 701 Other hypertrophic and atrophic conditions of skin
 799 Other ill-defined and unknown causes of morbidity and mortality
 848 Other ill-defined sprains and strains
 659 Other indications for care or intervention related to labour and delivery
 134 Other infestation
 127 Other intestinal helminthiases
 686 Other local infections of skin and subcutaneous tissue
 202 Other malignant neoplasm of lymphoid and histiocytic tissue
 173 Other malignant neoplasm of skin
 117 Other mycoses
 049 Other non-arthropod-borne diseases of central nervous system
 558 Other noninfective gastroenteritis and colitis
 298 Other nonorganic psychoses
 796 Other nonspecific abnormal findings
 269 Other nutritional deficiencies
 665 Other obstetrical trauma
 873 Other open wound of head
 294 Other organic psychotic conditions (chronic)
 344 Other paralytic syndromes
 774 Other perinatal jaundice
 443 Other peripheral vascular disease
 658 Other problems associated with amniotic cavity and membranes
 007 Other protozoal intestinal disorders
 770 Other respiratory conditions of fetus and newborn
 012 Other respiratory tuberculosis
 362 Other retinal disorders
 398 Other rheumatic heart disease
 083 Other rickettsioses
 003 Other salmonella infections
 262 Other severe protein-calorie malnutrition
 207 Other specified leukaemia
 318 Other specified mental retardation
 104 Other spirochaetal infection
 789 Other symptoms involving abdomen and pelvis
 121 Other trematode infections
 081 Other typhus
 099 Other venereal diseases
 453 Other venous embolism and thrombosis
 057 Other viral exanthemata
 027 Other zoonotic bacterial diseases
 839 Other, multiple and ill-defined dislocations
 827 Other, multiple and ill-defined fractures of lower limb
 387 Otosclerosis
 256 Ovarian dysfunction

625	Pain and other symptoms associated with female genital organs
297	Paranoid states
332	Parkinson's disease
132	Pediculosis and phthirus infestation
533	Peptic ulcer, site unspecified
777	Perinatal disorders of digestive system
726	Peripheral enthesopathies and allied syndromes
567	Peritonitis
475	Peritonsillar abscess
301	Personality disorders
451	Phlebitis and thrombophlebitis
325	Phlebitis and thrombophlebitis of intracranial venous sinuses
306	Physiological malfunction arising from mental factors
685	Pilonidal cyst
103	Pinta
020	Plague
511	Pleurisy
258	Ployglandular dysfunction and related disorders
503	Pneumoconiosis due to other inorganic dust
502	Pneumoconiosis due to other silica or silicates
505	Pneumoconiosis, unspecified
483	Pneumonia due to other specified organisms
484	Pneumonia in infectious diseases classified elsewhere
486	Pneumonia, organism unspecified
481	Pneumococcal pneumonia
504	Pneumopathy due to inhalation of other dust
512	Pneumothorax
975	Poisoning by agents primarily acting on the smooth and skeletal muscles
964	Poisoning by agents primarily affecting blood constituents
976	Poisoning by agents primarily affecting skin and mucous membrane,
972	Poisoning by agents primarily affecting the cardiovascular system
973	Poisoning by agents primarily affecting the gastrointestinal system
965	Poisoning by analgesics, antipyretics and antirheumatics
960	Poisoning by antibiotics
966	Poisoning by anticonvulsants and anti-Parkinsonism drugs
978	Poisoning by bacterial vaccines
970	Poisoning by central nervous system stimulants
971	Poisoning by drugs primarily affecting the autonomic nervous system
962	Poisoning by hormones and synthetic substitutes
977	Poisoning by other and unspecified drugs and medicaments
961	Poisoning by other anti-infectives
968	Poisoning by other central nervous system depressants
979	Poisoning by other vaccines and biological substances
963	Poisoning by primarily systemic agents
969	Poisoning by psychotropic agents
967	Poisoning by sedatives and hypnotics
974	Poisoning by water, mineral and uric acid metabolism drugs
446	Polyarteritis nodosa and allied conditions
657	Polyhydramnios
725	Polymyalgia rheumatica
452	Portal vein thrombosis
515	Postinflammatory pulmonary fibrosis
666	Postpartum haemorrhage
010	Primary tuberculous infection
645	Prolonged pregnancy
698	Pruritus and related conditions
696	Psoriasis and similar disorders
316	Psychic factors associated with diseases classified elsewhere
299	Psychoses with origin specific to childhood
514	Pulmonary congestion and hypostasis
011	Pulmonary tuberculosis

287	Purpura and other haemorrhagic conditions
672	Pyrexia of unknown origin during the puerperium
071	Rabies
026	Rat-bite fever
605	Redundant prepuce and phimosis
555	Regional enteritis
087	Relapsing fever
497	Renal dialysis
586	Renal failure, unspecified
587	Renal sclerosis, unspecified
506	Respiratory conditions due to chemical fumes and vapours
508	Respiratory conditions due to other and unspecified external agents
769	Respiratory distress syndrome
667	Retained placenta or membranes, without haemorrhage
361	Retinal detachments and defects
392	Rheumatic chorea
391	Rheumatic fever with heart involvement
390	Rheumatic fever without mention of heart involvement
714	Rheumatoid arthritis and other inflammatory polyarthropathies
056	Rubella
135	Sarcoidosis
120	Schistosomiasis
196	Secondary and unspecified malignant neoplasm of lymph nodes
405	Secondary hypertension
198	Secondary malignant neoplasm of other unspecified sites
197	Secondary malignant neoplasm of respiratory and digestive systems
290	Senile and presenile organic psychotic conditions
797	Senility without mention of psychosis
038	Septicaemia
302	Sexual deviations and disorders
004	Shigellosis
295	Shizophrenic psychoses
240	Simple and unspecified goitre
764	Slow fetal growth and fetal malnutrition
046	Slow virus infection of central nervous system
589	Small kidney of unknown cause
050	Smallpox
307	Special symptoms or syndromes not elsewhere classified
315	Specific delays in development
074	Specific diseases due to Coxsackie virus
310	Specific nonpsychotic mental disorders following organic brain damage
741	Spina bifida
952	Spinal cord lesion without evidence of spinal bone injury
334	Spinocerebellar disease
721	Spondylosis and allied disorders
634	Spontaneous abortion
845	Sprains and strains of ankle and foot
841	Sprains and strains of elbow and forearm
843	Sprains and strains of hip and thigh
844	Sprains and strains of knee and leg
847	Sprains and strains of other and unspecified parts of back
846	Sprains and strains of sacroiliac region
840	Sprains and strains of shoulder and upper arm
842	Sprains and strains of wrist and hand
498	Sterilisation
378	Strabismus and other disorders of binocular eye movements
034	Streptococcal sore throat and scarlatina
430	Subarachnoid haemorrhage
852	Subarachnoid, subdural and extradural haemorrhage, following injury

798 Sudden death, cause unknown
 913 Superficial injury of elbow, forearm and wrist
 918 Superficial injury of eye and adnexa
 910 Superficial injury of face, neck and scalp except eye
 915 Superficial injury of finger(s)
 917 Superficial injury of foot and toe(s)
 914 Superficial injury of hand(s) except finger(s) alone
 916 Superficial injury of hip, thigh, leg and ankle
 919 Superficial injury of other, multiple and unspecified sites
 912 Superficial injury of shoulder and upper arm
 911 Superficial injury of trunk
 382 Suppurative and unspecified otitis media
 499 Suspected condition ruled out after observation/investigation
 783 Symptoms concerning nutrition, metabolism and development
 785 Symptoms involving cardiovascular system
 787 Symptoms involving digestive system
 784 Symptoms involving head and neck
 781 Symptoms involving nervous and musculoskeletal systems
 786 Symptoms involving respiratory system and other chest symptoms
 782 Symptoms involving skin and other integumentary tissue
 788 Symptoms involving urinary system

257 Testicular dysfunction
 037 Tetanus
 265 Thiamine and niacin deficiency states
 245 Thyroiditis
 242 Thyrotoxicosis with or without goitre
 082 Tick-borne rickettsioses
 063 Tick-borne viral encephalitis
 980 Toxic effect of alcohol
 986 Toxic effect of carbon monoxide
 983 Toxic effect of corrosive aromatics, acids and caustic alkalis
 984 Toxic effect of lead and its compounds (including fumes)
 988 Toxic effect of noxious substances eaten as food
 987 Toxic effect of other gases, fumes or vapours
 985 Toxic effect of other metals
 989 Toxic effect of other substances, chiefly nonmedical as to source
 981 Toxic effect of petroleum products
 982 Toxic effect of solvents other than petroleum-based
 130 Toxoplasmosis
 076 Trachoma
 435 Transient cerebral ischaemia
 293 Transient organic psychotic conditions
 664 Trauma to perineum and vulva during delivery
 887 Traumatic amputation of arm and hand (complete)(partial)
 897 Traumatic amputation of leg(s) (complete)(partial)
 886 Traumatic amputation of other finger(s) (complete)(partial)
 885 Traumatic amputation of thumb (complete)(partial)
 895 Traumatic amputation of toe(s) (complete)(partial)
 860 Traumatic pneumothorax and haemothorax
 124 Trichinosis
 131 Trichomoniasis
 350 Trigeminal nerve disorders
 086 Trypanosomiasis
 896 Traumatic amputation of foot (complete)(partial)
 015 Tuberculosis of bones and joints
 016 Tuberculosis of genitourinary system
 014 Tuberculosis of intestines, peritoneum and mesenteric gland
 013 Tuberculosis of meninges and central nervous system
 017 Tuberculosis of other organs
 021 Tularaemia

002	Typhoid and paratyphoid fevers
663	Umbilical cord complications
637	Unspecified abortion
319	Unspecified mental retardation
598	Urethral stricture
597	Urethritis, not sexually transmitted, and urethral syndrome
708	Urticaria
218	Uterine leiomyoma
454	Varicose veins of lower extremities
456	Varicose veins of other sites
557	Vascular insufficiency of intestine
671	Venous complications in pregnancy and the puerperium
386	Vertiginous syndromes and other disorders of vestibular system
101	Vincent's angina
064	Viral encephalitis transmitted by other and unspecified arthropods
070	Viral hepatitis
079	Viral infections in conditions classified elsewhere and of unspecified site
480	Viral pneumonia
368	Visual disturbances
264	Vitamin A deficiency
268	Vitamin D deficiency
033	Whooping cough
102	Yaws

OTHER SIGHT PROBLEM

Q39 Other sight problem

Coded using the International Classification of Diseases. The information supplied enabled the use of the full classification

Coding frame

See: World Health Organisation (1977) *International Classification of Diseases: Volume 1, Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* Geneva, WHO

WORLD HEALTH ORGANISATION (1978) *International Classification of Diseases: Volume 2, Index*. Geneva, WHO

INJURIES

Q40 Injuries

Coded using a frame based on the ICD, and originally developed for the National Child Development Study (NCDS). Review of BCS70 26-year survey responses showed that the information supplied would not support the use of the unmodified ICD. (See: World Health Organisation (1977) *International Classification of Diseases: Volume 1, Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* (Geneva, WHO))

Coding frame

Source: NCDS4/NCDS5 Coding Frame/International Classification Diseases (1977)

Contents:

- Structure of the BCS70 Injuries Coding Frame
- BCS70 Injuries Coding Frame
- Index to the BCS70 Injuries Coding Frame

STRUCTURE OF THE BCS70 INJURIES CODING FRAME

	Codes:
Fractures	1-7
Dislocations	8-12
Sprains and strains	13-17
Head injury	18-20
Internal injuries	21-23
Open wounds	24-34
Superficial injuries	35-41
Contusions (bruises, haematoma)	42-48
Crushing injuries	49-54
Foreign bodies	55-60
Burns	61-68
Injuries to nerves	69-75
Complications of trauma	76
Other, unspecified	77
Poisoning	78-82
Other external causes (radiation, weather etc)	83
Don't know	98
Inadequate response	99

BCS70 INJURIES CODING FRAME

Codes

FRACTURES

1. Fractures of skull and face bones (eg nose, jaw, cheek, eye palate)
2. Fractures of neck, spine, trunk (eg vertebral column, coccyx, ribs, breastbone, chest, larynx, trachea, windpipe)
3. Fractures of upper limb (eg shoulders, arm, collar bone, shoulder blade)
4. Fractures of wrist, hand, fingers thumb
5. Fractures of hip and lower limb (eg leg, foot, toes, pelvis, knee cap, shinbone ankle)
6. Multiple fractures
7. Fractures unspecified

DISLOCATIONS (bones out of place)

8. Dislocation of jaw
9. Dislocation of upper limb (eg shoulder, elbow)
10. Dislocation of wrist, finger, thumb
11. Dislocation of hip and lower limb (eg knee, ankle, foot, toes)
12. Other, multiple and unspecified dislocations

SPRAINS and STRAINS

[INCLUDES: Avulsion of joint surrounds
Tear ligaments
Snap muscles
Pull tendons
Rupture
Sprain
Strain

EXCLUDES: Open wounds - See codes 24-34 below
Lacerations of tendons in open wounds - See codes 24-30 below]

13. Sprains and strains of upper limb (eg shoulder, arm)
14. Sprains and strains of wrist, hand, fingers, thumb
15. Sprains and strains of hip and lower limb (eg thigh, knee, leg, ankle, foot, toes)
16. Sprains and strains of back and neck includes whiplash injury
17. Other and unspecified sprains and strains

HEAD INJURY (without skull fracture)

[EXCLUDES: Nerve injury - See codes 69-75 below
Open wound of head without intracranial (brain) injury - See code 25
Skull fracture alone - See code 1 above]

18. Concussion
19. Cerebral (brain) laceration, bruising, haemorrhage, bleeding, following injury
20. Unspecified head/brain injury/other

INTERNAL INJURY OF CHEST, ABDOMEN AND PELVIS

[INCLUDES: Blast injuries of internal organs
Bruise
Jarring
Crushing
Haematoma (ie: accumulation of blood in tissues/blood clot)
Laceration
Puncture
Tear
Traumatic (ie: due to injury) rupture (ie: bursting open)]

21. Internal injury to chest, heart, lung and other organs in chest area
22. Internal injury to stomach, intestines, rectum, other areas in gastro- intestinal tract, liver, spleen, kidney, pelvic, organs, other abdominal organs
23. Other, multiple and unspecified internal injuries

OPEN WOUND

[INCLUDES: Animal bite
Avulsion/tear
Cut/laceration
Puncture wound
Traumatic (due to injury) amputation
Human bite

EXCLUDES: Burn - See codes 35-41 or 61-68 below
Crushing - See codes 49-54 below
Puncture of internal organs - Use codes 21-23 above
Superficial injury - Use codes 35-41 below
Wounds incidental to:
 dislocations - see codes 8-12 above
 fractures - see codes 1-7 above
 internal injury - see codes 21-23 above
 intracranial (brain) injury - see codes codes 18-20 above]

24. Open wound of eye
25. Open wound of ear, head, neck (eg ear, scalp, nose, cheek, jaw, lip, gum, tongue, broken tooth, neck, undefined and multiple face, throat, windpipe)
26. Open wound of trunk (eg chest WALL, back, buttock, genital organs, other, unspecified, multiple)
27. Open wound of upper limb (shoulder, arm)
28. Open wound of wrist, hand, fingers, thumb
29. Open wound of hip and lower limb (eg thigh, knee, leg, foot)
30. Multiple and unspecified open wounds
31. Amputation (due to injury) of arm (at or above elbow)
32. Amputation of hand/fingers
33. Amputation of lower limb (leg, foot)
34. Amputation of toes

SUPERFICIAL INJURIES

[INCLUDES: Abrasions
Friction burn
Blister
Insect bite (non-venomous)
Superficial foreign body (eg: splinter) without major open wound

EXCLUDES: Major open wounds - See codes 24-34 above]

35. Superficial injury of face, scalp, neck (eg cheek, ear, gum, lip, nose, throat)
36. Superficial injury of eye (includes eyelids, eyesocket, eyeball, cornea)
37. Superficial injury of trunk (eg abdominal wall, back, chest wall breast, genital organs)
38. Superficial injury of upper limb (shoulder, arm)
39. Superficial injury of wrist, hand, finger thumb
40. Superficial injury of hip and lower limb
41. Other, multiple and unspecified

CONTUSION (bruise, haematoma) WITHOUT FRACTURE OR OPEN WOUND

42. Contusion of face, neck, scalp (eg cheek, ear, gum lip, nose, throat, jaw)
43. Contusion of eye and eye socket (eg black eye, eyelids, eyeball)
44. Contusion of trunk (eg breast, chest, abdominal wall, side, groin, back buttock, genital organs)
45. Contusion of upper limb (eg shoulder, arm)
46. Contusion of wrist, hand, fingers, thumb
47. Contusion of hip and lower limb (eg thigh, knee, ankle, foot, toes (nails))
48. Other, multiple and unspecified

CRUSHING INJURIES

[EXCLUDES: Intracranial (brain) injury/concussion - See codes 18-20 above
Severe crushing of internal organs due - See codes 21-23 above to internal injuries]

49. Crushing of face, neck, scalp (not laceration)
50. Crushing of trunk (not internal organs or chest) (eg back, buttock, breast, external genital organs)
51. Crushing of upper limb (eg shoulder, arm)
52. Crushing of wrist, hand, fingers, thumb)
53. Crushing of hip and lower limb
54. Multiple and unspecified

FOREIGN BODIES

[EXCLUDES: Penetrating wounds of the eye - See code 24 above]

55. Foreign body ON eye (not penetrating into eye)
56. Foreign body IN ear, nose
57. Foreign body in throat, windpipe, lung, (eg asphyxia, choking, inhalation of fluid)
58. Foreign body in mouth, digestive system (eg stomach, intestine)
59. Foreign body in rectum, anus, genitourinary tract (eg bladder, vagina, penis) not intrauterine contraceptive device (IUCD)
60. Other and unspecified

BURNS

[INCLUDES: Burns from: electrical heating appliance, electricity, flame, hot object, lightening, radiation, chemicals, scalds

EXCLUDES: Friction burns - See codes 35-41 above
Sunburn - See code 77 below]

61. Burns confined to eye, eyelid, adjacent area
62. Burns confined to face, head, neck (eg EYE WITH OTHER PARTS OF FACE, ear, head, lip, nose, scalp, temple)
63. Burns confined to trunk (abdominal wall, back, breast, chest, genital organs)
64. Burns confined to upper limb (arm, shoulder)
65. Burns confined to wrist, hand, fingers, thumb (nails)
66. Burns confined to hip and lower limb (eg leg, thigh, foot, toe (nails))
67. Multiple burns
68. Unspecified burns

INJURY TO NERVES AND SPINAL CORD

69. Injury to optic, cranial (eye, head) nerves
70. Injury to spinal cord nerves (without bony injury)
71. Injury to trunk nerves (eg abdominal wall, back, breast, chest, genital organs)
72. Injury to upper limb nerves (eg shoulder, arm)
73. Injury to nerves of wrist, hand, fingers, thumb
74. Injury to hip and lower limb nerves (eg leg, foot)
75. Other, multiple and unspecified

EARLY COMPLICATIONS OF TRAUMA

76. Early complications of trauma
(eg: haemorrhage, bleeding, shock, renal failure following crushing)

INJURY: OTHER and UNSPECIFIED

77. Injury: other and unspecified
(eg: back injury, unspecified; drug dependence & non-dependent abuse of drugs; sunburn;

EFFECTS OF POISONS

[INCLUDES: Overdose, dosage errors

EXCLUDES: Allergy/adverse reactions - See code 83 below
Drug dependence or non-dependent abuse of drugs - See code 77 above]

78. Poisoning by drugs
79. Poisoning by non-medicinal chemicals and substances (INCLUDES: venom, bee stings)
80. Poisoning by gases, vapours, fumes
81. Poisoning by food (berries, shellfish, mushrooms, plants etc
(eg: allergies, (rashes) gastroenteritis, toxic effects of food contaminants (mercury, etc))
82. Unspecified poisoning
83. Other and unspecified effects of external causes
(eg: radiation sickness, weather (sunstroke) shock from lightening, allergy/adverse reactions to drugs)
EXCLUDES: Burns (ICD CODES 940-949) Coded as 61-68

DON'T KNOW/CAN'T SAY

98. Don't know/Can't say

INADEQUATE REPLY

99. Inadequate reply to whole question

INDEX TO BCS70 INJURIES CODING FRAME

	Codes
Abrasion	35-41
Avulsion	13-17, 24-35
Amputation	31-34
Animal bite	24-34
Asphyxia	57
Allergy (to food)	81
Allergy/adverse reaction (to drugs)	83
Back injury unspecified	77
Bites (animal, human)	24-34
Black eye	43
Blast injury	21-23
Brain injury	18-20
Break/broken bone	1-7
Bruising	21-23, 19
Burns	61-68, 35-41
Bleeding (see note on exclusions at codes 24-34)	8-20, 24-76
Blister	35-41
Chemical burns	61-68
Chipped bones (treat as for fractures)	1-7
Choking	57
Concussion	18
Contusions	42-48
Crushing	21-23, 49-54
Cut	24-34
Dislocation	8-12
Drowning	57
Drugs	77, 78, 83
Foreign bodies	55-60, 35-41, 24
Food (allergy, poisoning)	81
Fractures	1-7
Friction burns	35-41
Fumes etc (poisoning by)	80
Gases etc (poisoning by)	80
Haematoma	21-23, 42-48
Haemorrhage	76, 19
Human bite	24-34
Insect bite	35-41, 79
Internal injuries (chest, abdomen, pelvis)	21-23
Jarring	21-23
Laceration	21-23, 24-34
Lightening burns	61-68

Medicines	77, 78, 83
Nerve injury	69-75
Non-medical chemicals/substances (poisoning by)	79
Open wounds	24-30
Overdose (of drugs)	77, 78
Poisoning	78-83
Pulled	13-17
Puncture	21-23, 24-30
Radiation burns	61-68
Renal failure (following crushing)	76
Rupture	13-17
Scalds	61-68
Severe crushing (internal injury)	21-23
Shock	76
Sprain	13-17
Strain	13-17
Snap	13-17
Splinter (non-penetrating)	35-41
Suicide attempt (drugs, open wound)	78, 24-30
Superficial injury	35-41
Tear	13-17, 21-23
Trauma/Traumatic	21-23, 31-34, 76
Whiplash injury	16
Don't know/Can't say	98
Inadequate reply to whole question	99

DISABILITIES

Q41 Disabilities

Coded using the International Classification of Diseases. The quality of the information supplied varied, so the 3 digit classification was used. (See: World Health Organisation (1977) *International Classification of Diseases: Volume 1, Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death* Geneva, WHO)

Coding frame

See coding frame for OTHER HEALTH PROBLEMS (Q38) above.

ALCOHOL

Q43 Other alcohol

Coded using a frame developed following review of all BCS70 28-year survey responses.

Coding frame

Where possible, entries were coded back to the original Q43 precodes:

Alcohol	Amount
Shandy	pints/other answer (coded as below)
Beer/lager	pints/other answer
Low alcohol beers/lagers	pints/other answer
Cider	pints/other answer
Low alcohol cider	pints/other answer
Wine	glasses/other answer
Low alcohol wine	glasses/other answer
Spirits (Gin, Whisky, Vodka, Rum, Brandy)	single measures/other answer
Martini/Cinzano/Sherry	small glasses/other answer

Remaining entries were coded as follows:

Alcohol	Amount
Alcopops (Hooch/etc)	bottles/other answer
Liqueurs	single measures/other answer
Other alcohol	units/other answer

OTHER ANSWERS

	Code
Irrelevant/unspecific response	97
Don't know	98
Not answered	99

VOTING

Q47 Other vote

Coded using a frame developed following review of all BCS70 28-year survey responses.

Coding frame

Where possible, entries were coded back to the original Q47 precodes:

- 1 Would not vote
- 2 Conservative
- 3 Labour
- 4 Liberal Democrat
- 5 Plaid Cymru (Welsh Nationalist)
- 6 Scottish National

Remaining entries were coded as follows:

- 7 Green Party
- 8 National Front/British Movement/BNP
- 9 Communist/Socialist Workers/Workers Revolutionary
- 10 Socialist Labour/other socialist parties
- 11 Referendum Party
- 12 Greenpeace
- 13 Independent
- 14 Monster Raving Looney Party
- 15 Natural Law Party
- 16 Tactical vote - against Conservative Party
- 17 Tactical vote - against Labour Party
- 18 Tactical voted - nature unspecified
- 19 Anti-Europe - party unspecified
- 20 Other minority party
- 21 Spoil ballot/other protest vote

OTHER ANSWERS

- 93 Don't understand politics
- 94 Not applicable (living outside Britain)
- 95 Refused
- 96 Unable to vote (not registered, other)
- 97 Irrelevant/unspecific response
- 98 Don't know
- 99 Not answered

RELIGION

Q48 Religion

Coded using a frame developed following review of all BCS70 28-year survey responses

Coding frame

Where possible, entries were coded according to the NCDS4/5 frame

- 1 No religion
- 2 Church of England
(including Episcopal, Free Church of England, Moravian Church in Great Britain and Ireland)
- 3 Roman Catholic
(including Roman Catholic Church in England, Ukrainian Roman Catholic Church, Liberal Catholic Church, Old Roman Catholic Church)
- 4 URC/Congregational
(including United Reformed Church, Congregational Federation, Evangelical Fellowship of Congregational Churches)
- 5 Baptist
(including Baptist Union of Great Britain and N Ireland, Strict Baptist Churches, Old Baptist Union, FIEC Affiliated Baptist Churches, Other Baptist Churches)
- 6 Methodist
(including Methodist Conference, Wesleyan Reform Union, Independent Methodist Churches, Free Methodist Church)
- 7 Christian - no denomination specified

OTHER CHRISTIAN CHURCHES

- 8 Independent
(including FIEC affiliated and associated Churches, Union of Evangelical Churches, Christian Brethren, Darby Brethren, Plymouth Brethren, Independent fellowship and House Churches, Independent Evangelical)
- 9 African/West Indian
(including New Testament Church of God, Church of God of Prophecy, Church of Cherubim and Seraphim, Seventh Day Adventist Churches, Pilgrim Wesleyan Holiness Church, Other African and West Indian Churches)
- 10 Pentecostal/Holiness
(including Assemblies of God, Elim Pentecostal Church, Apostolic Church, Church of the Nazarene, Emanuel Holiness Church)

- 11 Salvation Army
- 12 Religious Society of Friends/Quaker
- 13 Other Protestant
(including: Lutheran Council of Britain; Evangelical Lutheran Churches; Churches of Christ; Countess of Huntingdon's Connexion; Churches of Overseas Nationals)
- 14 Orthodox
(including: Greek Orthodox Archdiocese of Thyateira and Great Britain; Russian Orthodox Church; Russian Orthodox Church in Exile; Armenian Orthodox Church; Serbian Orthodox Church; Ukrainian Orthodox Church; Other Orthodox churches)
- 15 Church in Wales
- 16 Church of Scotland/Presbyterian
- 17 Mormon
- 18 Jehovah's Witness
- 19 Spiritualist
- 20 Christian - Protestant (unspecified)
- 21 Christian - Evangelical (unspecified)
- 22 Other specified Christian denomination

NON-CHRISTIAN RELIGIONS/FAITHS/AFFILIATIONS

- 23 Hindu
- 24 Jew
- 25 Muslim
- 26 Sikh
- 27 Buddhist
- 28 Other non-Christian

OTHER ANSWERS

- 97 Irrelevant/unspecific response
- 98 Don't know
- 99 Not answered

APPENDIX 4

Derived Variables

BCS70 1996 Follow-up: Derived variables

Introduction

A4.1 The derived variables included with the initial Data Archive deposit relate to five areas that were explored in the preliminary analysis of the BCS70 26-year data by SSRU researchers:

- Qualifications
- Labour market
- Relationships, marriage and children
- Health and health-related behaviour
- Views, voting and values.

A4.2 Further details of the derived variables are given below, as follows:

LIST OF DERIVED VARIABLES

Qualifications	4.95
Labour market	4.99
Relationships, marriage and children	4.100
Health and health-related behaviour	4.101
Views, voting and values.	4.102

SPSS CODE USED TO CREATE DERIVED VARIABLES

Qualifications	4.105
Labour market	4.122
Relationships, marriage and children	4.125
Health and health-related behaviour	4.131
Views, voting and values.	4.133

NB: The SPSS code is reproduced as supplied by the authors. No independent check has been conducted.

LIST OF DERIVED VARIABLES

QUALIFICATIONS

Variable	Label
CT_CODE	Can't Code
NO_QUAL	No vocational qualifications
CSE1	CSE grade 1
CSE2_5	CSE grade 2 to 5
CSE_UN	CSE grade unspecified
OL_AC	O Level grade A to C
OL_DE	O Level grade D to E
OL_UN	O Level grade unspecified
GCSE_AC	GCSE grade A to C
GCSE_DE	GCSE grade D to E
GCSE_UN	GCSE grade unspecified
ALEVEL	A Level pass
SLEVEL	S Level pass
SOG_AC	Scottish O Grade A to C
SOG_DE	Scottish O Grade D to E
SOC_UN	Scottish O Grade unspecified
SSG1_3	Scottish Standard Grade 1 to 3
SSG4_5	Scottish Standard Grade 4 to 5
SSG_UN	Scottish Standard Grade unspecified
SHG	Scottish Higher Grade
SC_6TH	Scottish Certificate 6th Form Studies
OTHER_S	Other Scottish Qualification
HED	Higher Education Diploma
DEGREE	Ist Degree
PGCE	Teaching Qualification
OPGC	Other Post Grad Certificate
POSTGRAD	Post Grad qual: Masters PhD
FOUND	HE Foundation Course
DIP_UN	HE CertDiploma - level unspecified
OTHER_AC	Other Academic Qualification
ACCESS	Access course
NVQ_1	NVQ1 level qualification
NVQ_2	NVQ2 level qualification
NVQ_3	NVQ3 level qualification
NVQ_4	NVQ4 level qualification
NVQ_5	NVQ5 level qualification
NVQ_6	NVQ6 level qualification
NVQ_UN	NVQ level qualification unspecified
RSA_1	RSA elementary: typing, etc
RSA_2	RSA intermediate: typing, etc
RSA_3	RSA advanced: typing, etc
RSA_UN	RSA level unspecified: typing, etc
PIT_1	PITMAN elementary: typing, etc
PIT_2	PITMAN intermediate: typing, etc
PIT_3	PITMAN advanced: typing, etc
PIT_UN	PITMAN level unspecified: typing, etc

QUALIFICATIONS continued

Variable	Label
CG_OP	City & Guilds: Operative
CG_CIO1	City & Guilds: Craft/Intermediate/Ordinary/Part I
CG_AF2_3	City & Guilds: Advanced/Final/Part II or III
CG_FTC	City & Guilds: Full Technological
CG_OTHER	City & Guilds: Other sort
CG_IAT	City & Guilds: Insignia Award in Technology
CG_UN	City & Guilds: type unspecified
JIB_CTC	Joint Industry Board: Craft/technician Certificate
JIB_UN	Joint Industry Board: Other
ONC_SNC	National Certificate: Ordinary level
HNC_SHNC	National Certificate: Higher level
TEC_GC	National Certificate: General Diploma
TEC_HC	National Certificate: Higher Diploma
TEC_UN	National Certificate: level unspecified
OT_FOUNDED	Other Technical Certificate: foundation
OT_HGV	Other Technical Certificate: HGV/PSV
PRO_FULL	Full Professional Qualification
PRO_PART	Part of a Professional Qualification
NURSE	Nursing Qualification
OTHER_UN	Other qualification - unknown
IRREL_R	Irrelevant Response
DONTKNOW	Don't know
NO_ANS	No answer given
qual0	Can't Code
qual1	No vocational qualifications
qual2	CSE grade 1
qual3	CSE grade 2 to 5
qual4	CSE grade unspecified
qual5	O Level grade A to C
qual6	O Level grade D to E
qual7	O Level grade unspecified
qual8	GCSE grade A to C
qual9	GCSE grade D to E
qual10	GCSE grade unspecified
qual11	A Level pass
qual12	S Level pass
qual13	Scottish O Grade A to C
qual14	Scottish O Grade D to E
qual15	Scottish O Grade unspecified
qual16	Scottish Standard Grade 1 to 3
qual17	Scottish Standard Grade 4 to 5
qual18	Scottish Standard Grade unspecified
qual19	Scottish Higher Grade
qual20	Scottish Certificate 6th Form Studies
qual21	Other Scottish Qualification
qual22	Higher Education Diploma
qual23	Ist Degree

QUALIFICATIONS continued

Variable	Label
qual24	Teaching Qualification
qual25	Other Post Grad Certificate
qual26	Post Grad qual: Masters PhD
qual27	HE Foundation Course
qual28	HE CertDiploma - level unspecified
qual29	Other Academic Qualification
qual30	Access course
qual31	NVQ1 level qualification
qual32	NVQ2 level qualification
qual33	NVQ3 level qualification
qual34	NVQ4 level qualification
qual35	NVQ5 level qualification
qual36	NVQ6 level qualification
qual37	NVQ level qualification unspecified
qual38	RSA stage 1: typing, etc
qual39	RSA stage 2: typing, etc
qual40	RSA stage 3: typing, etc
qual41	RSA level unspecified: typing, etc
qual42	PITMAN elementary: typing, etc
qual43	PITMAN intermediate: typing, etc
qual44	PITMAN advanced: typing, etc
qual45	PITMAN level unspecified: typing, etc
qual46	City & Guilds: Operative
qual47	City & Guilds: Craft/Intermediate/Ordinary/Part I
qual48	City & Guilds: Advanced/Final/Part II or III
qual49	City & Guilds: Full Technological
qual50	City & Guilds: Other sort
qual51	City & Guilds: Insignia Award in Technology
qual52	City & Guilds: type unspecified
qual53	Joint Industry Board: Craft/technician Certificate
qual54	Joint Industry Board: Other
qual55	National Certificate: Ordinary level
qual56	National Certificate: Higher level
qual57	National Certificate: General Diploma
qual58	National Certificate: Higher Diploma
qual59	National Certificate: level unspecified
qual60	Other Technical Certificate: foundation
qual61	Other Technical Certificate: HGV/PSV
qual62	Full Professional Qualification
qual63	Part of a Professional Qualification
qual64	Nursing Qualification
qual96	Other qualification - unclear
qual97	Irrelevant Response
qual98	Don't know
qual99	No answer given
HQUAL26A	Highest Academic Qualification at 26
HQUAL26B	Highest Vocational Qualification at 26
HQUAL26C	Highest Vocational Qualification at 26
HQUAL26D	Highest Qualification at 26

QUALIFICATIONS continued

Variable	Label
qual2a	CSE grade 1
qual3a	CSE grade 2 to 5
qual5a	O Level grade A to C
qual6a	O Level grade D to E
qual8a	GCSE grade A to C
qual9a	GCSE grade D to E
qual11a	A Level pass
qual13a	Scottish O Grade A to C
qual14a	Scottish O Grade D to E
qual16a	Scottish Standard Grade 1 to 3
qual17a	Scottish Standard Grade 4 to 5
qual19a	Scottish Higher Grade
qual20a	Scottish Certificate 6th Form Studies
qual22a	Higher Education Diploma
qual23a	Ist Degree
qual24a	Teaching Qualification
qual26a	Post Grad qual: Masters PhD
HEDC	Higher Education Diploma
DEGREEC	Ist Degree
PGCEC	Teaching Qualification
POSTGRDC	Post Grad qual: Masters PhD
CSE1B	CSE grade 1
CSE2_5B	CSE grade 2 to 5
OL_ACB	O Level grade A to C
OL_DEB	O Level grade D to E
GCSE_ACB	GCSE grade A to C
GCSE_DEB	GCSE grade D to E
ALEVELB	A Level pass
SOG_ACB	Scottish O Grade A to C
SOG_DEB	Scottish O Grade D to E
SSG1_3B	Scottish Standard Grade 1 to 3
SSG4_5B	Scottish Standard Grade 4 to 5
SHGB	Scottish Higher Grade
SC_6THB	Scottish Certificate 6th Form Studies
HEDB	Higher Education Diploma
DEGREEB	Ist Degree
PGCEB	Teaching Qualification
POSTGRDB	Post Grad qual: Masters PhD
SCHOOL26	Age left school
LEFTED26	AGE LEFT FULL-TIME EDUCATION
leftedg	Age left Full-time Education
LEFTED26	AGE LEFT FULL-TIME EDUCATION
MANYCLQ	How many qualification courses?
MANYYTS	How many YTS courses?
MANYGOV	How many Other Gov schemes?
MANYWRT	How many WRT courses ?
YN_CLQ	Any course leading to a qualification?
YN_WRT	Any work-related training?
YN_YTS	Any youth training scheme?

LABOUR MARKET

Variable	Label
empstatc	Employment status recoded
everhome	Ever period looking after home, etc
everill	Ever period unable to work as ill
everolf	Ever out of the labour force for other reason
neverft	Nver had a full-time job
neverpt	Never had a part-time job
neveremp	Never unemployed
everun2	Ever unemployed
everunem	Ever unemployed
service	Years in current job
hourswk	Usual weekly hours
hourswkc	Corrected weekly hours
hourswg	Corrected weekly hours, grouped
hrlypay	Hourly pay
hrlypayc	Corrected hourly pay
hpaycor	Further corrected hourly pay
wklypay	Weekly pay
wklypayc	Corrected weekly pay

RELATIONSHIPS, MARRIAGE AND CHILDREN

Variable	Label
ageych	age of youngest child in household
ageych2	age of youngest OWN child in household
depchild	total number of dependent children in household
eldest	age of eldest child in household
eldest2	age of eldest OWN child in household
haschild	R has natural child
ownkid	total number of own children in household
adopkid	total number of adopted children in household
fostkid	total number of fostered children in household
stepkid	total number of step children in household
marstpar	legal and partner status
numkids	No of natural children

HEALTH AND HEALTH-BEHAVIOUR

Variable	Label
ahome	No of accidents at home
awork	No of accidents at work
aelse	No of accidents elsewhere
aroad	No of road accidents
asport	No of sporting accidents
mismal	No of missing Malaise items
mal	Total Malaise score
mal26	Grouped Malaise score

VIEWS, VOTING AND VALUES

Variable	Label
laword	Support for law and order
polcyn	Political cynicism
equality	Support for sex equality
marital	Support for traditional marital values
work	Support for Protestant work ethic

Factor Analysis of Attitude Variables¹

Two factor analyses, using the SPSS computer package, were carried out on the opinion data included in the BCS70 Twenty six-year Follow-up, and presented in chapter 6 of *Twenty something in the 1990s*. Each involved first the computation of a product moment correlation matrix using 'list-wise' deletion of missing cases. This was followed by a principal components analysis and then a Varimax (orthogonal) rotation of all factors with latent roots greater than 1. Varimax rotation was followed by oblique rotation (allowing the factors to be correlated) using the Oblimin method.

The first factor analysis was carried out on the 17 opinion variables. Five factors were identified. The factor loadings for the oblique Oblimin solution are shown in Table A4.1. Highest factor loadings, which were used to define each factor and determine a label for it, are shown in bold in Table A4.1. The only anomalous loading was for *support for the work ethic*, which received only one high loading and linked the 'left-right' item 16 rather inappropriately to the factor. (It was not used to measure the factor).

The second factor analysis was carried out on the correlations among the five attitude factors, the three self attitude variables, the religious affiliation variable and the political orientation variables (interest and voting intention).

Three factors were obtained. The Oblimin solution failed to converge, suggesting that only an orthogonal Varimax solution was appropriate, i.e., there was no correlation among the factors. The factor loadings for the Varimax solution are shown in Table A4.2. Highest factor loadings, which were used to define each factor and determine a label for it, are shown in bold in Table A4.2.

Finally, Table A4.3 shows the means, standard deviations and reliability coefficients (Cronbach's alpha) for each of the scales used to measure each of the five attitude factors. The factor scores for the first set of factors were obtained by averaging the scores on the individual scales used to define each factor. These were the scores used to produce Figures 2.1 to 2.5 in Chapter 6 of *Twenty something in the 1990s*. Notably, all the scales showed much the same variability in the scores as shown by the standard deviations, except for *support for sex equality*, where the variability was much less. The most reliable scales were political cynicism and support for traditional marital values, with reliability coefficients over .60. The least reliable scale was support for the work ethic - reliability coefficient, .40. This latter scale ideally needs more items to be measured reliably.

¹ Taken from: Bynner, J, and Wiggins, D. (1997) Appendix 2: Factor Analysis of Attitude Variables. In: Bynner, J., Ferri, E. and Shepherd, P. (Eds) *Twenty-something in the 1990s: getting on, getting by, getting nowhere*. Aldershot: Ashgate

Table A4.1**Factor analysis of opinion variables: factor loadings**

		Law and order	Political cynicism	Sex equality	Marital values	Work ethic
1	The law should be obeyed even if a particular law is wrong	.40	.16	.02	-.09	.30
2	There should be more women bosses in important jobs in business and industry	.04	.03	.73	-.02	-.13
3	Having almost any job is better than being unemployed	.08	-.13	.01	-.16	.70
4	For some crimes the death penalty is the most appropriate sentence	.70	.25	-.12	.10	.04
5	When both partners work full-time, the man should take an equal share of domestic chores	.12	-.05	.68	.05	.12
6	It does not make much difference which political party is in power in Britain	.02	-.71	.03	.02	.13
7	Divorce is too easy to get these days	.21	-.02	.01	-.65	.03
8	If I didn't like a job I'd pack it in even if there was no other job to go to	-.08	.02	.05	-.08	.37
9	Marriage is for life	-.03	.11	.05	-.73	.23
10	Politicians are mainly in politics for their own benefit and not for the benefit of the community	-.02	-.72	-.02	-.01	-.08
11	Censorship of films and magazines is necessary to uphold moral standards	.59	.21	.16	-.21	-.15
12	Men and women should all have the chance to do the same kind of work	.01	.03	.72	-.01	-.01
13	None of the political parties would do anything to benefit me	.12	-.81	.02	-.03	-.02
14	People who break the law should be given stiffer sentences	.72	.16	.06	.00	.08
15	Couples who have children should not separate	-.05	-.09	-.20	-.72	.03
16	Government should redistribute income from the better off to those who are less well off	.25	.23	-.24	.34	.34
17	If a child is ill and both partners are working it should usually be the mother who takes time off work to look after the child	-.26	.00	.43	.25	.19

Table A4.2**Factor analysis of social attitudes, self attitudes, religious and political orientation variables: factor loadings**

	Factors		
	Disaffection	Efficacy	Traditionalism
Support for sex equality	-.05	.20	-.40
Support for law and order	.22	.18	.68
Support for traditional marital values	-.01	.01	.69
Political cynicism	.68	-.20	.05
Support for the work ethic	.02	.42	.47
Belongs to a religion	-.42	.08	.43
Standard of living	-.02	.68	.05
Feels in control of life	.02	.58	-.16
Satisfaction with life so far	.07	.72	.05
Political interest	-.75	-.03	-.19
Intends to vote	-.73	-.01	.02

Table A4.3

Statistics for social attitude scales

	Mean score	Standard deviation	Reliability coefficient
Political cynicism	2.94	.75	.65
Support for sex equality	3.99	.55	.55
Support for law and order	3.65	.70	.54
Support for traditional marital values	3.29	.74	.61
Support for work ethic	3.43	.74	.40

SPSS CODE USED TO CREATE DERIVED VARIABLES

QUALIFICATIONS

NB: The SPSS code is reproduced as supplied by the author(s). No independent check has been conducted.

```
** HIGHEST QUALIFICATION AT AGE 26 : BOTH ACADEMIC AND VOCATIONAL.  
** COMBINING INFORMATION FROM CLOSED QUALIFICATION QUESTIONS AND OPEN-ENDED  
** QUALIFICATION QUESTIONS.
```

```
** CLOSED QUESTIONS ARE VARIABLES b960146 b960147 b960150 b960153 b960156  
** b960159 b960162 b960165 b960168 b960171 b960174 b960177 b960212 b960215  
** b960218 b960219 b960220 b960221.
```

```
** OPEN-ENDED QUESTIONS ASK FOR OTHER ACADEMIC OR VOCATIONAL QUALIFICATIONS:  
** THESE ARE VARIABLES  
q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11 q5a12  
q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10 q5b11 q5b12.
```

```
** OPEN-ENDED QUESTIONS .
```

```
** SETTING MISSING VALUES .
```

MISSING VALUES

```
q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11 q5a12  
q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10 q5b11 q5b12  
(97 THRU HIGHEST, 0).
```

```
** COUNTING ACROSS ALL 24 OPEN-ENDED VARIABLES TO SEE PERCENT OF COHORT WITH  
** SPECIFIC QUALIFICATIONS.
```

COUNT

```
CT_CODE = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (0) /  
NO_QUAL = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (1) /  
CSE1 = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11 q5a12  
q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10 q5b11 q5b12  
(2) /  
CSE2_5 = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (3) /  
CSE_UN = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (4) /  
OL_AC = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (5) /  
OL_DE = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (6) /  
OL_UN = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (7) /  
GCSE_AC = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (8) /  
GCSE_DE = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (9) /  
GCSE_UN = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11  
q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10  
q5b11 q5b12 (10) /
```



```

    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (56) /
TEC_GC = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (57) /
TEC_HC = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (58) /
TEC_UN = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (59) /
OT_FOUND = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (60) /
OT_HGV = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (61) /
PRO_FULL = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (62) /
PRO_PART = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (63) /
NURSE = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (64) /
OTHER_UN = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (96) /
IRREL_R = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (97) /
DONTKNOW = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (98) /
NO_ANS = q5a01 q5a02 q5a03 q5a04 q5a05 q5a06 q5a07 q5a08 q5a09 q5a10 q5a11
    q5a12 q5b01 q5b02 q5b03 q5b04 q5b05 q5b06 q5b07 q5b08 q5b09 q5b10
    q5b11 q5b12 (99) .
EXECUTE .

```

```

VARIABLE LABELS CT_CODE "Can't Code".
VARIABLE LABELS NO_QUAL 'No vocational qualifications'.
VARIABLE LABELS CSE1 'CSE grade 1'.
VARIABLE LABELS CSE2_5 'CSE grade 2 to 5'.
VARIABLE LABELS CSE_UN 'CSE grade unspecified'.
VARIABLE LABELS OL_AC 'O Level grade A to C'.
VARIABLE LABELS OL_DE 'O Level grade D to E'.
VARIABLE LABELS OL_UN 'O Level grade unspecified'.
VARIABLE LABELS GCSE_AC 'GCSE grade A to C'.
VARIABLE LABELS GCSE_DE 'GCSE grade D to E'.
VARIABLE LABELS GCSE_UN 'GCSE grade unspecified'.
VARIABLE LABELS ALEVEL 'A Level pass'.
VARIABLE LABELS SLEVEL 'S Level pass'.
VARIABLE LABELS SOG_AC 'Scottish O Grade A to C'.
VARIABLE LABELS SOG_DE 'Scottish O Grade D to E'.
VARIABLE LABELS SOC_UN 'Scottish O Grade unspecified'.
VARIABLE LABELS SSG1_3 'Scottish Standard Grade 1 to 3'.
VARIABLE LABELS SSG4_5 'Scottish Standard Grade 4 to 5'.
VARIABLE LABELS SSG_UN 'Scottish Standard Grade unspecified'.
VARIABLE LABELS SHG 'Scottish Higher Grade'.
VARIABLE LABELS SC_6TH 'Scottish Certificate 6th Form Studies'.
VARIABLE LABELS OTHER_S 'Other Scottish Qualification'.
VARIABLE LABELS HED 'Higher Education Diploma'.
VARIABLE LABELS DEGREE 'Ist Degree'.
VARIABLE LABELS PGCE 'Teaching Qualification'.
VARIABLE LABELS OPGC 'Other Post Grad Certificate'.
VARIABLE LABELS POSTGRAD 'Post Grad qual: Masters PhD'.
VARIABLE LABELS FOUND 'HE Foundation Course'.

```

VARIABLE LABELS DIP_UN 'HE CertDiploma - level unspecified'.
 VARIABLE LABELS OTHER_AC 'Other Academic Qualification'.
 VARIABLE LABELS ACCESS 'Access course'.
 VARIABLE LABELS NVQ_1 'NVQ1 level qualification'.
 VARIABLE LABELS NVQ_2 'NVQ2 level qualification'.
 VARIABLE LABELS NVQ_3 'NVQ3 level qualification'.
 VARIABLE LABELS NVQ_4 'NVQ4 level qualification'.
 VARIABLE LABELS NVQ_5 'NVQ5 level qualification'.
 VARIABLE LABELS NVQ_6 'NVQ6 level qualification'.
 VARIABLE LABELS NVQ_UN 'NVQ level qualification unspecified'.
 VARIABLE LABELS RSA_1 'RSA elementary: typing, etc'.
 VARIABLE LABELS RSA_2 'RSA intermediate: typing, etc'.
 VARIABLE LABELS RSA_3 'RSA advanced: typing, etc'.
 VARIABLE LABELS RSA_UN 'RSA level unspecified: typing, etc'.
 VARIABLE LABELS PIT_1 'PITMAN elementary: typing, etc'.
 VARIABLE LABELS PIT_2 'PITMAN intermediate: typing, etc'.
 VARIABLE LABELS PIT_3 'PITMAN advanced: typing, etc'.
 VARIABLE LABELS PIT_UN 'PITMAN level unspecified: typing, etc'.
 VARIABLE LABELS CG_OP 'City & Guilds: Operative'.
 VARIABLE LABELS CG_CIO1 'City & Guilds: Craft/Intermediate/Ordinary/Part I'.
 VARIABLE LABELS CG_AF2_3 'City & Guilds: Advanced/Final/Part II or III'.
 VARIABLE LABELS CG_FTC 'City & Guilds: Full Technological'.
 VARIABLE LABELS CG_OTHER 'City & Guilds: Other sort'.
 VARIABLE LABELS CG_IAT 'City & Guilds: Insignia Award in Technology'.
 VARIABLE LABELS CG_UN 'City & Guilds: type unspecified'.
 VARIABLE LABELS JIB_CTC 'Joint Industry Board: Craft/technician Certificate'.
 VARIABLE LABELS JIB_UN 'Joint Industry Board: Other'.
 VARIABLE LABELS ONC_SNC 'National Certificate: Ordinary level'.
 VARIABLE LABELS HNC_SHNC 'National Certificate: Higher level'.
 VARIABLE LABELS TEC_GC 'National Certificate: General Diploma'.
 VARIABLE LABELS TEC_HC 'National Certificate: Higher Diploma'.
 VARIABLE LABELS TEC_UN 'National Certificate: level unspecified'.
 VARIABLE LABELS OT_FOUND 'Other Technical Certificate: foundation'.
 VARIABLE LABELS OT_HGV 'Other Technical Certificate: HGV/PSV'.
 VARIABLE LABELS PRO_FULL 'Full Professional Qualification'.
 VARIABLE LABELS PRO_PART 'Part of a Professional Qualification'.
 VARIABLE LABELS NURSE 'Nursing Qualification'.
 VARIABLE LABELS OTHER_UN 'Other qualification - unknown'.
 VARIABLE LABELS IRREL_R 'Irrelevant Response'.
 VARIABLE LABELS DONTKNOW 'Don't know'.
 VARIABLE LABELS NO_ANS 'No answer given'.

** THESE VARIABLES SHOW HOW MANY OF EACH SPECIFIC QUALIFICATION COHORT MEMBER
 ** HAVE .

** CAN BE USED WITH CLOSED QUESTIONS TO OBTAIN TOTAL PERCENTAGE OF COHORT WITH
 ** HOW MANY OF EACH QUALIFICATION - THIS IS DONE LATER ON.

** SUMMARY YES/NO VARIABLES: HAS COHORT MEMBER GOT QUALIFICATION, NOT HOW MANY
 ** AS ABOVE .

RECODE

access alevel cg_af2_3 cg_cio1 cg_ftc cg_iat cg_op cg_other cg_un csel cse2_5
 cse_un ct_code degree dip_un dontknow found gcse_ac gcse_de gcse_un hed
 hnc_shnc irrel_r jib_ctc jib_un no_ans no_qual nurse nvq_1 nvq_2 nvq_3 nvq_4
 nvq_5 nvq_6 nvq_un ol_ac ol_de ol_un onc_snc opgc ot_found ot_hgv other_ac
 other_s other_un pgce pit_1 pit_2 pit_3 pit_un postgrad pro_full pro_part
 rsa_1 rsa_2 rsa_3 rsa_un sc_6th shg slevel soc_un sog_ac sog_de ssg1_3 ssg4_5
 ssg_un tec_gc tec_hc tec_un
 (0=Copy)(MISSING=SYSMIS)(1 thru Highest=1) INTO
 QUAL30 QUAL11 QUAL48 QUAL47 QUAL49 QUAL51 QUAL46 QUAL50 QUAL52 QUAL2 QUAL3
 QUAL4 QUAL0 QUAL23 QUAL28 QUAL98 QUAL27 QUAL8 QUAL9 QUAL10 QUAL22 QUAL56
 QUAL97 QUAL53 QUAL54 QUAL99 QUAL1 QUAL64 QUAL31 QUAL32 QUAL33 QUAL34 QUAL35
 QUAL36 QUAL37 QUAL5 QUAL6 QUAL7 QUAL55 QUAL25 QUAL60 QUAL61 QUAL29 QUAL21
 QUAL96 QUAL24 QUAL42 QUAL43 QUAL44 QUAL45 QUAL26 QUAL62 QUAL63 QUAL38 QUAL39
 QUAL40 QUAL41 QUAL20 QUAL19 QUAL12 QUAL15 QUAL13 QUAL14 QUAL16 QUAL17 QUAL18
 QUAL57 QUAL58 QUAL59 .

EXECUTE .

VARIABLE LABELS qual0 "Can't Code".
 VARIABLE LABELS qual1 'No vocational qualifications'.
 VARIABLE LABELS qual2 'CSE grade 1'.
 VARIABLE LABELS qual3 'CSE grade 2 to 5'.
 VARIABLE LABELS qual4 'CSE grade unspecified'.
 VARIABLE LABELS qual5 'O Level grade A to C'.
 VARIABLE LABELS qual6 'O Level grade D to E'.
 VARIABLE LABELS qual7 'O Level grade unspecified'.
 VARIABLE LABELS qual8 'GCSE grade A to C'.
 VARIABLE LABELS qual9 'GCSE grade D to E'.
 VARIABLE LABELS qual10 'GCSE grade unspecified'.
 VARIABLE LABELS qual11 'A Level pass'.
 VARIABLE LABELS qual12 'S Level pass'.
 VARIABLE LABELS qual13 'Scottish O Grade A to C'.
 VARIABLE LABELS qual14 'Scottish O Grade D to E'.
 VARIABLE LABELS qual15 'Scottish O Grade unspecified'.
 VARIABLE LABELS qual16 'Scottish Standard Grade 1 to 3'.
 VARIABLE LABELS qual17 'Scottish Standard Grade 4 to 5'.
 VARIABLE LABELS qual18 'Scottish Standard Grade unspecified'.
 VARIABLE LABELS qual19 'Scottish Higher Grade'.
 VARIABLE LABELS qual20 'Scottish Certificate 6th Form Studies'.
 VARIABLE LABELS qual21 'Other Scottish Qualification'.
 VARIABLE LABELS qual22 'Higher Education Diploma'.
 VARIABLE LABELS qual23 'Ist Degree'.
 VARIABLE LABELS qual24 'Teaching Qualification'.
 VARIABLE LABELS qual25 'Other Post Grad Certificate'.
 VARIABLE LABELS qual26 'Post Grad qual: Masters PhD'.
 VARIABLE LABELS qual27 'HE Foundation Course'.
 VARIABLE LABELS qual28 'HE CertDiploma - level unspecified'.
 VARIABLE LABELS qual29 'Other Academic Qualification'.
 VARIABLE LABELS qual30 'Access course'.
 VARIABLE LABELS qual31 'NVQ1 level qualification'.
 VARIABLE LABELS qual32 'NVQ2 level qualification'.
 VARIABLE LABELS qual33 'NVQ3 level qualification'.
 VARIABLE LABELS qual34 'NVQ4 level qualification'.
 VARIABLE LABELS qual35 'NVQ5 level qualification'.
 VARIABLE LABELS qual36 'NVQ6 level qualification'.
 VARIABLE LABELS qual37 'NVQ level qualification unspecified'.
 VARIABLE LABELS qual38 'RSA stage 1: typing, etc'.
 VARIABLE LABELS qual39 'RSA stage 2: typing, etc'.
 VARIABLE LABELS qual40 'RSA stage 3: typing, etc'.
 VARIABLE LABELS qual41 'RSA level unspecified: typing, etc'.
 VARIABLE LABELS qual42 'PITMAN elementary: typing, etc'.
 VARIABLE LABELS qual43 'PITMAN intermediate: typing, etc'.
 VARIABLE LABELS qual44 'PITMAN advanced: typing, etc'.
 VARIABLE LABELS qual45 'PITMAN level unspecified: typing, etc'.
 VARIABLE LABELS qual46 'City & Guilds: Operative'.
 VARIABLE LABELS qual47 'City & Guilds: Craft/Intermediate/Ordinary/Part I'.
 VARIABLE LABELS qual48 'City & Guilds: Advanced/Final/Part II or III'.
 VARIABLE LABELS qual49 'City & Guilds: Full Technological'.
 VARIABLE LABELS qual50 'City & Guilds: Other sort'.
 VARIABLE LABELS qual51 'City & Guilds: Insignia Award in Technology'.
 VARIABLE LABELS qual52 'City & Guilds: type unspecified'.
 VARIABLE LABELS qual53 'Joint Industry Board: Craft/technician Certificate'.
 VARIABLE LABELS qual54 'Joint Industry Board: Other'.
 VARIABLE LABELS qual55 'National Certificate: Ordinary level'.
 VARIABLE LABELS qual56 'National Certificate: Higher level'.
 VARIABLE LABELS qual57 'National Certificate: General Diploma'.
 VARIABLE LABELS qual58 'National Certificate: Higher Diploma'.
 VARIABLE LABELS qual59 'National Certificate: level unspecified'.
 VARIABLE LABELS qual60 'Other Technical Certificate: foundation'.
 VARIABLE LABELS qual61 'Other Technical Certificate: HGV/PSV'.
 VARIABLE LABELS qual62 'Full Professional Qualification'.
 VARIABLE LABELS qual63 'Part of a Professional Qualification'.
 VARIABLE LABELS qual64 'Nursing Qualification'.
 VARIABLE LABELS qual96 'Other qualification - unclear'.

VARIABLE LABELS qual97 'Irrelevant Response'.
VARIABLE LABELS qual98 "Don't know".
VARIABLE LABELS qual99 'No answer given'.

** RECODE THESE QUALIFICATION VARIABLES FURTHER: MAKE 1 EQUAL SPECIFIC
** QUALIFICATION NUMBER, IE: FOR QUAL4, 1 EQUALS 4 .

RECODE QUAL1 (1=1)
/QUAL2 (1=2)
/QUAL3 (1=3)
/QUAL4 (1=4)
/QUAL5 (1=5)
/QUAL6 (1=6)
/QUAL7 (1=7)
/QUAL8 (1=8)
/QUAL9 (1=9)
/QUAL10 (1=10)
/QUAL11 (1=11)
/QUAL12 (1=12)
/QUAL13 (1=13)
/QUAL14 (1=14)
/QUAL15 (1=15)
/QUAL16 (1=16)
/QUAL17 (1=17)
/QUAL18 (1=18)
/QUAL19 (1=19)
/QUAL20 (1=20)
/QUAL21 (1=21)
/QUAL22 (1=22)
/QUAL23 (1=23)
/QUAL24 (1=24)
/QUAL25 (1=25)
/QUAL26 (1=26)
/QUAL27 (1=27)
/QUAL28 (1=28)
/QUAL29 (1=29)
/QUAL30 (1=30)
/QUAL31 (1=31)
/QUAL32 (1=32)
/QUAL33 (1=33)
/QUAL34 (1=34)
/QUAL35 (1=35)
/QUAL36 (1=36)
/QUAL37 (1=37)
/QUAL38 (1=38)
/QUAL39 (1=39)
/QUAL40 (1=40)
/QUAL41 (1=41)
/QUAL42 (1=42)
/QUAL43 (1=43)
/QUAL44 (1=44)
/QUAL45 (1=45)
/QUAL46 (1=46)
/QUAL47 (1=47)
/QUAL48 (1=48)
/QUAL49 (1=49)
/QUAL50 (1=50)
/QUAL51 (1=51)
/QUAL52 (1=52)
/QUAL53 (1=53)
/QUAL54 (1=54)
/QUAL55 (1=55)
/QUAL56 (1=56)
/QUAL57 (1=57)
/QUAL58 (1=58)
/QUAL59 (1=59)
/QUAL60 (1=60)
/QUAL61 (1=61)


```

/QUAL62 (1=62)
/QUAL63 (1=63)
/QUAL64 (1=64)
/QUAL96 (1=96)
/QUAL97 (1=97)
/QUAL98 (1=98)
/QUAL99 (1=99)
EXECUTE .

** CLOSED QUESTION QUALIFICATION VARIABLES.

** SOME COHORT MEMBERS MENTIONED QUALIFICATIONS INCLUDED ON THE CLOSED
** QUESTION LIST UNDER EITHER THE OPEN-ENDED 'OTHER ACADEMIC' OR 'VOCATIONAL'
** QUALIFICATIONS .

** MATCHING CLOSED QUESTION QUALIFICATIONS TO THE QUALIFICATION NUMBER GIVEN
** TO SPECIFIC QUALIFICATIONS IN THE RECODED OPEN-ENDED QUESTIONS .

RECODE b960146 (1=1)
/b960147 (1=2)
/b960150 (1=3)
/b960153 (1=5)
/b960156 (1=6)
/b960159 (1=8)
/b960162 (1=9)
/b960165 (1=11)
/b960168 (1=13)
/b960171 (1=14)
/b960174 (1=16)
/b960177 (1=17)
/b960212 (1=19)
/b960215 (1=20)
/b960218 (1=22)
/b960219 (1=23)
/b960220 (1=24)
/b960221 (1=26)
EXECUTE .

MISSING VALUES b960146 b960147 b960150 b960153 b960156 b960159 b960162
b960165 b960168 b960171 b960174 b960177 b960212 b960215 b960218 b960219
b960220 b960221 b960222 (-3 thru -1).

** HIGHEST ACADEMIC QUALIFICATION AT AGE 26.

COMPUTE HQUAL26A = -1 .
DO REPEAT X=b960146 b960147 b960150 b960153 b960156 b960159 b960162 b960165
b960168 b960171 b960174 b960177 b960212 b960215 b960218 b960219
b960220 b960221 qual1 qual2 qual3 qual5 qual6 qual8 qual9 qual11
qual12 qual13 qual14 qual16 qual17 qual19 qual20 qual22 qual23
qual24 qual25 qual26 .
IF ANY (X,1) HQUAL26A = 0 .
IF (ANY (X,3,6,9,14,17) AND HQUAL26A < 1) HQUAL26A = 1 .
IF (ANY (X,2,5,8,13,16) AND HQUAL26A < 2) HQUAL26A = 2 .
IF (ANY (X,11,12,19,20) AND HQUAL26A < 3) HQUAL26A = 3 .
IF (ANY (X,22) AND HQUAL26A < 4) HQUAL26A = 4 .
IF (ANY (X,23,24,25,26) AND HQUAL26A < 5) HQUAL26A = 5 .
END REPEAT .

VARIABLE LABELS HQUAL26A 'Highest Academic Qualification at 26'.
VALUE LABELS HQUAL26A 0'No Qualification'
1'CSE 2-5'
2'O Level'
3'A Level'
4'Higher Qual'
5'Degree +' .

```

MISSING VALUES HQUAL26a (-1).
EXECUTE.

FREQUENCIES VARIABLES=hqual26a .

** HIGHEST VOCATIONAL QUALIFICATION AT AGE 26 .

** ONLY FOR COHORT MEMBERSWHO RESPONDED TO OPEN-ENDED QUESTIONS ON OTHER
** ACADEMIC OR VOCATIONAL QUALIFICATIONS QUESTIONS.

** MANY COHORT MEMBERS REPORTED HAVING A QUALIFICATION BUT NOT THE GRADE.
** THIS VERSION SETS LEVEL OF QUALIFICATION TO MISSING IF THE GRADE WAS UNKNOWN

```
DO IF (B960223 = 1 | B960223 = 2 | B960222 = 18) .
COMPUTE HQUAL26B = 0 .
DO REPEAT X=qual31 qual32 qual33 qual34 qual35 qual36 qual38 qual39 qual40
           qual41 qual42 qual43 qual44 qual45 qual46 qual47 qual48 qual49
           qual50 qual51 qual52 qual53 qual54 qual55 qual56 qual57 qual58
           qual59 qual60 qual61 qual62 qual63 qual64 qual37 qual96 .
IF ANY (X,37,41,45,52,54,59,60,96) HQUAL26B = -1 .
IF (ANY (X,31,38,42,61) AND HQUAL26B < 1) HQUAL26B = 1 .
IF (ANY (X,32,39,40,43,44,46,47,50,51,53) AND HQUAL26B < 2) HQUAL26B = 2 .
IF (ANY (X,33,48,55,57) AND HQUAL26B < 3) HQUAL26B = 3 .
IF (ANY (X,34,49,56,58,62,63,64) AND HQUAL26B < 4) HQUAL26B = 4 .
IF (ANY (X,35,36) AND HQUAL26B < 5) HQUAL26B = 5 .
END REPEAT .
END IF .
```

```
VARIABLE LABELS HQUAL26B 'Highest Vocational Qualification at 26'.
VALUE LABELS HQUAL26B 0'No Qualification'
                1'NVQ1'
                2'NVQ2'
                3'NVQ3'
                4'NVQ4'
                5'NVQ5 +'
                -1'Quals but level unknown'.
```

MISSING VALUES HQUAL26B (-1).
EXECUTE.

FREQUENCIES VARIABLES=hqual26b .

** THIS VERSION PROVIDES A GUESTIMATE FOR THE LEVELS OF UNKNOWN VOCATIONAL
QUALIFICATIONS .

```
DO IF (B960223 = 1 | B960223 = 2 | B960222 = 18) .
COMPUTE HQUAL26C = 0 .
DO REPEAT X=qual31 qual32 qual33 qual34 qual35 qual36 qual38 qual39 qual40
           qual41 qual42 qual43 qual44 qual45 qual46 qual47 qual48 qual49
           qual50 qual51 qual52 qual53 qual54 qual55 qual56 qual57 qual58
           qual59 qual60 qual61 qual62 qual63 qual64 qual37 qual96 .
IF ANY (X,37,96) HQUAL26C = -1 .
IF (ANY (X,31,38,42,60,61) AND HQUAL26C < 1) HQUAL26C = 1 .
IF (ANY (X,32,39,40,41,43,44,45,46,47,50,51,52,53,54) AND HQUAL26C < 2)
HQUAL26C = 2 .
IF (ANY (X,33,48,55,57,59) AND HQUAL26C < 3) HQUAL26C = 3 .
IF (ANY (X,34,49,56,58,62,63,64) AND HQUAL26C < 4) HQUAL26C = 4 .
IF (ANY (X,35,36) AND HQUAL26C < 5) HQUAL26C = 5 .
END REPEAT .
END IF .
```

```
VARIABLE LABELS HQUAL26C 'Highest Vocational Qualification at 26'.
VALUE LABELS HQUAL26C 0'No Qualification'
                1'NVQ1'
                2'NVQ2'
```

```
3'NVQ3'  
4'NVQ4'  
5'NVQ5 +'  
-1'Quals but level unknown'.
```

```
MISSING VALUES HQUAL26C (-1).  
EXECUTE.
```

```
FREQUENCIES  
VARIABLES=hqual26C .
```

```
** HIGHEST OVERALL QUALIFICATION AT 26 .  
** INCLUDES CONSERVATIVE GUESSTIMATES OF VOCATIONAL/ACADEMIC QUALS WHEN  
GRADE ATTAINED NOT SPECIFIED .
```

```
COMPUTE HQUAL26D = -2 .  
DO REPEAT X=b960146 b960147 b960150 b960153 b960156 b960159 b960162 b960165  
b960168 b960171 b960174 b960177 b960212 b960215 b960218 b960219  
b960220 b960221 qual0 qual1 qual10 qual11 qual12 qual13 qual14  
qual15 qual16 qual17 qual18 qual19 qual2 qual20 qual21 qual22  
qual23 qual24 qual25 qual26 qual27 qual28 qual29 qual3 qual30  
qual31 qual32 qual33 qual34 qual35 qual36 qual37 qual38 qual39  
qual4 qual40 qual41 qual42 qual43 qual44 qual45 qual46 qual47  
qual48 qual49 qual5 qual50 qual51 qual52 qual53 qual54 qual55  
qual56 qual57 qual58 qual59 qual6 qual60 qual61 qual62 qual63  
qual64 qual7 qual8 qual9 qual96 .
```

```
IF ANY (X,1) HQUAL26D = -1 .  
IF (ANY (X,0,21,29,37,96) AND HQUAL26D < 0) HQUAL26D = 0 .  
IF (ANY (X,3,4,6,7,9,10,14,15,17,18,31,38,42,60,61) AND HQUAL26D < 1)  
HQUAL26D = 1 .  
IF (ANY (X,2,5,8,13,16,30,32,39,40,41,43,44,45,46,47,50,51,52,53,54) AND  
HQUAL26D < 2) HQUAL26D = 2 .  
IF (ANY (X,11,12,19,20,33,48,55,57,59) AND HQUAL26D < 3) HQUAL26D = 3 .  
IF (ANY (X,22,27,28,34,49,56,58,62,63,64) AND HQUAL26D < 4) HQUAL26D = 4 .  
IF (ANY (X,23,24,25,26,35,36) AND HQUAL26D < 5) HQUAL26D = 5 .  
END REPEAT .
```

```
RECODE HQUAL26D (0=-3) (-1=0) .
```

```
VARIABLE LABELS HQUAL26D 'Highest Qualification at 26'.  
VALUE LABELS HQUAL26D 0'No Qualification'  
1'CSE 2-5/nvq1'  
2'O Level/nvq2'  
3'A Level/nvq3'  
4'Higher Qual/nvq4'  
5'Degree/nvq5 +'  
-3'Quals but d/k level'.
```

```
MISSING VALUES HQUAL26D (-2,-3).  
EXECUTE.
```

```
FREQUENCIES VARIABLES=hqual26D .
```

```
** PERCENTAGE COHORT MEMBERS WITH EACH INDIVIDUAL QUALIFICATION.
```

```
** FOR THE CLOSED QUALIFICATION VARIABLES RECODE SYSTEM MISSING TO -4 TO GET  
** % WHO HAVE EACH LEVEL OF QUALIFICATION.
```

```
RECODE  
b960146 b960147 b960150 b960153 b960156 b960159 b960162 b960165 b960168  
b960171 b960174 b960177 b960212 b960215 b960218 b960219 b960220 b960221  
b960222 (SYSMIS=-4) into rb960146 rb960147 rb960150 rb960153 rb960156  
rb960159 rb960162 rb960165 rb960168 rb960171 rb960174 rb960177 rb960212  
rb960215 rb960218 rb960219 rb960220 rb960221 rb960222.
```

```
** CERTAIN CLOSED AND OPEN-ENDED VARIABLES NEED TO BE COMBINED AS SOME COHORT  
MEMBERS MENTIONED QUALIFICATIONS INCLUDED ON THE CLOSED QUESTION LIST UNDER
```

```

EITHER THE OPEN-ENDED 'OTHER ACADEMIC' OR 'VOCATIONAL' QUALIFICATIONS .

** VARIABLES GIVEN SAME NAMES AS RECODED OPEN-ENDED VARIABLES WITH 'A'
EXTENSION .

** CSE GRADE 1 QUALIFICATIONS.

COMPUTE QUAL2A = 0.
IF (rB960147 = 2 | QUAL2 = 2) QUAL2A = 2 .

** CSE GRADE 2 THRU 5 QUALIFICATIONS.

COMPUTE QUAL3A = 0.
IF (rB960150 = 3 | QUAL3 = 3) QUAL3A = 3 .

** O'LEVEL GRADE A THRU C QUALIFICATIONS.

COMPUTE QUAL5A = 0.
IF (rB960153 = 5 | QUAL5 = 5)QUAL5A = 5.

** O'LEVEL GRADE D THRU E QUALIFICATIONS.

COMPUTE QUAL6A = 0.
IF (rB960156 = 6 | QUAL6 = 6) QUAL6A = 6.

** GCSE GRADE A THRU C QUALIFICATIONS.

COMPUTE QUAL8A = 0.
IF (rB960159 = 8 | QUAL8 = 8) QUAL8A = 8.

** GCSE GRADE D THRU E QUALIFICATIONS.

COMPUTE QUAL9A = 0.
IF (rB960162 = 9 | QUAL9 = 9) QUAL9A = 9.

** ALEVEL QUALIFICATIONS .

COMPUTE QUAL11A = 0.
IF (rB960165 = 11 | QUAL11 = 11) QUAL11A = 11.

** SCOTTISH O'GRADE A THRU C QUALIFICATIONS .

COMPUTE QUAL13A = 0.
IF (rB960168 = 13 | QUAL13 = 13) QUAL13A = 13.

** SCOTTISH O'GRADE D THRU E QUALIFICATIONS .

COMPUTE QUAL14A = 0.
IF (rB960171 = 14 | QUAL14 = 14) QUAL14A = 14.

** SCOTTISH STANDARD GRADE 1 THRU 3 QUALIFICATIONS .

COMPUTE QUAL16A = 0.
IF(rB960174 = 16 | QUAL16 = 16) QUAL16A = 16.

** SCOTTISH STANDARD GRADE 4 THRU 5 QUALIFICATIONS .

COMPUTE QUAL17A = 0.
IF(rB960177 = 17 | QUAL17 = 17) QUAL17A = 17.

** SCOTTISH HIGHER GRADE QUALIFICATIONS .

COMPUTE QUAL19A = 0.
IF(rB960212 = 19 | QUAL19 = 19) QUAL19A = 19.

```

** SCOTTISH CERTIFICATE OF 6TH YEAR STUDIES .

```
COMPUTE QUAL20A = 0.  
IF (rb960215 = 20 | QUAL20 = 20) QUAL20A = 20.
```

** HE DIPLOMA QUALIFICATIONS.

```
COMPUTE QUAL22A = 0 .  
IF (rb960218 = 22 | QUAL22 = 22) QUAL22A = 22.
```

** FIRST DEGREE QUALIFICATION.

```
COMPUTE QUAL23A = 0.  
IF (rb960219 = 23 | QUAL23 = 23) QUAL23A = 23 .
```

** PGCE QUALIFICATION.

```
COMPUTE QUAL24A = 0.  
IF (rb960220 = 24 | QUAL24 = 24) QUAL24A = 24.
```

** POSTGRADUATE QUALIFICATION.

```
COMPUTE QUAL26A = 0.  
IF (rb960221 = 26 | QUAL26 = 26) QUAL26A = 26.  
EXECUTE.
```

```
VARIABLE LABELS qual2a 'CSE grade 1'.  
VARIABLE LABELS qual3a 'CSE grade 2 to 5'.  
VARIABLE LABELS qual5a 'O Level grade A to C'.  
VARIABLE LABELS qual6a 'O Level grade D to E'.  
VARIABLE LABELS qual8a 'GCSE grade A to C'.  
VARIABLE LABELS qual9a 'GCSE grade D to E'.  
VARIABLE LABELS qual11a 'A Level pass'.  
VARIABLE LABELS qual13a 'Scottish O Grade A to C'.  
VARIABLE LABELS qual14a 'Scottish O Grade D to E'.  
VARIABLE LABELS qual16a 'Scottish Standard Grade 1 to 3'.  
VARIABLE LABELS qual17a 'Scottish Standard Grade 4 to 5'.  
VARIABLE LABELS qual19a 'Scottish Higher Grade'.  
VARIABLE LABELS qual20a 'Scottish Certificate 6th Form Studies'.  
VARIABLE LABELS qual22a 'Higher Education Diploma'.  
VARIABLE LABELS qual23a 'Ist Degree'.  
VARIABLE LABELS qual24a 'Teaching Qualification'.  
VARIABLE LABELS qual26a 'Post Grad qual: Masters PhD'.
```

** LIST OF ALL VARIABLES FOR TOTAL PERCENT OF COHORT MEMBERS WITH A SPECIFIC QUALIFICATION ARE b960146 qual1 qual2a qual3a qual4 qual5a qual6a qual7 qual8a qual9a qual10 qual11a qual12 qual13a qual14a qual15 qual16a qual17a qual18 qual19a qual20a qual21 qual22a qual23a qual24a qual25 qual26a qual27 qual28 qual29 qual30 qual31 qual32 qual33 qual34 qual35 qual36 qual37 qual38 qual39 qual40 qual41 qual42 qual43 qual44 qual45 qual46 qual47 qual48 qual49 qual50 qual51 qual52 qual53 qual54 qual55 qual56 qual57 qual58 qual59 qual60 qual61 qual62 qual63 qual64 qual96 .

** HOW MANY OF EACH QUALIFICATION DO COHORT MEMBERS HAVE?.

** HIGHER ACADEMIC QUALIFICATION VARIABLES NEED TO BE RECODED FROM THE ORIGINAL VARIABLE AS 'HOW MANY' WAS NOT ASKED.

```
RECODE rb960218 (0=Copy)(22=1)(ELSE=Copy) INTO hedc  
      /rb960219 (0=Copy)(23=1)(ELSE=Copy) INTO degreec  
      /rb960220 (0=Copy)(24=1)(ELSE=Copy) INTO pgcec  
      /rb960221 (0=Copy)(26=1)(ELSE=Copy) INTO postgrdc .  
EXECUTE .
```

MISSING VALUES HEDC DEGREEEC PGCEC POSTGRDC (-3, -4).

VARIABLE LABELS HEDC 'Higher Education Diploma'.
VARIABLE LABELS DEGREEC 'Ist Degree'.
VARIABLE LABELS PGCEC 'Teaching Qualification'.
VARIABLE LABELS POSTGRDC 'Post Grad qual: Masters PhD'.

** FOR CLOSED ACADEMIC QUALIFICATION QUESTIONS VARIABLES ARE: b960146 b960148
b960151 b960154 b960157 b960160 b960163 b960166 b960169 b960172 b960175
b960178 b960213 b960216 hedc degreec pgcec postgrdc.

** FOR OPEN-ENDED OTHER ACADEMIC OR VOCATIONAL QUALIFICATIONS VARIABLES ARE:
access alevel cg_af2_3 cg_ciol cg_ftc cg_iat cg_op cg_other cg_un csel
cse2_5 cse_un ct_code degree dip_un dontknow found gcse_ac gcse_de gcse_un
hed hnc_shnc irrel_r jib_ctc jib_un no_ans no_qual nurse nvq_1 nvq_2 nvq_3
nvq_4 nvq_5 nvq_6 nvq_un ol_ac ol_de ol_un onc_snc opgc ot_found ot_hgv
other_ac other_s other_un pgce pit_1 pit_2 pit_3 pit_un postgrad pro_full
pro_part rsa_1 rsa_2 rsa_3 rsa_un sc_6th shg slevel soc_un sog_ac sog_de
ssg1_3 ssg4_5 ssg_un tec_gc tec_hc tec_un.

** CERTAIN VARIABLES NEED TO BE COMBINED AS SOME COHORT MEMBERS MENTIONED
QUALIFICATIONS INCLUDED ON THE CLOSED QUESTION LIST UNDER EITHER THE
OPEN-ENDED 'OTHER ACADEMIC' OR 'VOCATIONAL' QUALIFICATIONS .

** VARIABLES GIVEN SAME NAMES AS RECODED OPEN-ENDED VARIABLES WITH 'B'
EXTENSION .

COMPUTE CSE1B = CSE1 + B960148.
COMPUTE CSE2_5B = CSE2_5 + B960151.
COMPUTE OL_ACB = OL_AC + B960154.
COMPUTE OL_DEB = OL_DE + B960157.
COMPUTE GCSE_ACB = GCSE_AC + B960160.
COMPUTE GCSE_DEB = GCSE_DE + B960163.
COMPUTE ALEVELB = ALEVEL + B960166.
COMPUTE SOG_ACB = SOG_AC + B960169.
COMPUTE SOG_DEB = SOG_DE + B960172.
COMPUTE SSG1_3B = SSG1_3 + B960175.
COMPUTE SSG4_5B = SSG4_5 + B960178.
COMPUTE SHGB = SHG + B960213.
COMPUTE SC_6THB = SC_6TH + B960216.
COMPUTE HEDB = HED + HEDC.
COMPUTE DEGREEB = DEGREE + DEGREEC.
COMPUTE PGCEB = PGCE + PGCEC.
COMPUTE POSTGRDB = POSTGRAD + POSTGRDC.
EXECUTE.

VARIABLE LABELS CSE1B 'CSE grade 1'.
VARIABLE LABELS CSE2_5B 'CSE grade 2 to 5'.
VARIABLE LABELS OL_ACB 'O Level grade A to C'.
VARIABLE LABELS OL_DEB 'O Level grade D to E'.
VARIABLE LABELS GCSE_ACB 'GCSE grade A to C'.
VARIABLE LABELS GCSE_DEB 'GCSE grade D to E'.
VARIABLE LABELS ALEVELB 'A Level pass'.
VARIABLE LABELS SOG_ACB 'Scottish O Grade A to C'.
VARIABLE LABELS SOG_DEB 'Scottish O Grade D to E'.
VARIABLE LABELS SSG1_3B 'Scottish Standard Grade 1 to 3'.
VARIABLE LABELS SSG4_5B 'Scottish Standard Grade 4 to 5'.
VARIABLE LABELS SHGB 'Scottish Higher Grade'.
VARIABLE LABELS SC_6THB 'Scottish Certificate 6th Form Studies'.
VARIABLE LABELS HEDB 'Higher Education Diploma'.
VARIABLE LABELS DEGREEB 'Ist Degree'.
VARIABLE LABELS PGCEB 'Teaching Qualification'.
VARIABLE LABELS POSTGRDB 'Post Grad qual: Masters PhD'.

** LIST OF ALL VARIABLES SHOWING HOW MANY OF EACH QUALIFICATION COHORT MEMBERS HAVE.

FREQUENCIES VARIABLES=rb960146 no_qual cselb cse2_5b ol_acb ol_deb gcse_acb

gcse_deb alevelb sog_acb sog_deb ssg1_3b ssg4_5b sc_6thb shgb hedb degreeb
pgceb postgrdb access cse_un cg_af2_3 cg_ciol cg_ftc cg_iat cg_op cg_other
cg_un ct_code dip_un dontknow gcse_un found hnc_shnc irrel_r jib_ctc jib_un
nurse nvq_1 nvq_2 nvq_3 nvq_4 nvq_5 nvq_6 nvq_un ol_un onc_snc opgc ot_found
ot_hgv other_ac other_s other_un pit_1 pit_2 pit_3 pit_un pro_full pro_part
rsa_1 rsa_2 rsa_3 rsa_un slevel soc_un ssg_un tec_gc tec_hc tec_un irrel_r
no_ans.

** CLEANING OF QUALIFICATION VARIABLES.

*TEMPORARY.

*SELECT IF (HEDB > 2 | DEGREEB > 2 | PGCEB >= 2 | POSTGRDB > 2).

***** The summarize command doesn't run in Unix *****.

**SUMMARIZE TABLES=serial hqual26d hedb degreeb pgceb postgrdb
/FORMAT=VALIDLIST CASENUM TOTAL
/TITLE='Case Summaries'
/MISSING=VARIABLE
/CELLS=COUNT .

** 17 cases have possibly funny higher education qualifications: ie 1 cohort
member has five undergraduate degrees!.

** the relevant cases are in quals96.spo: as are frequencies for the highest
qualification at age 26.

** OTHER DERIVED VARIABLES.

** AGE LEAVING SCHOOL .

FREQUENCIES

VARIABLES=b960129 .

COMPUTE school26 = -1 .

IF (b960129 < 16) school26 = 1.

IF (b960129 = 16) school26 = 2.

IF (b960129 = 17 | b960129 = 18) school26 = 3.

IF (b960129 > 18) school26 = 4.

VARIABLE LABELS SCHOOL26 'Age left school'.

VALUE LABELS SCHOOL26 1'Under 16'

2'At 16'

3'Post 16'

4'Post 18'.

MISSING VALUES SCHOOL26 (-1).

EXECUTE .

FREQUENCIES VARIABLES=SCHOOL26 .

** AGE LEAVING FULL-TIME EDUCATION .

** IN MAKING THIS VARIABLE I HAVE ASSUMED THAT THE HIGHER AGE OF EITHER
LEAVING SCHOOL - b960129 - OR LEAVING F/T EDUCATION - b960131 or b960132 -
IS THE ACTUAL AGE WHEN EDUCATION ENDED.

FREQUENCIES VARIABLES=b960131 b960132 .

COMPUTE LEFTED26 = -1 .

IF (B960131 = 1) LEFTED26 = 1.

IF (MISSING(B960131) & (B960132 > B960129)) LEFTED26 = B960132.

IF (MISSING(B960131) & (B960132 = B960129)) LEFTED26 = B960129.

IF (MISSING(B960131) & MISSING(B960132) & B960129 >= 12) LEFTED26 = B960129.

IF (MISSING(B960131) & MISSING(B960129) & B960132 >= 12) LEFTED26 = B960132.

IF (MISSING(B960131) & B960132 = 88) LEFTED26 = B960129.

IF (MISSING(B960131) & (B960129 > B960132)) LEFTED26 = B960129.

MISSING VALUES LEFTED26 (-1).

```

VARIABLE LABELS LEFTED26 'AGE LEFT FULL-TIME EDUCATION'.

FREQUENCIES
  VARIABLES=lefted26.

** 110 CASES DID NOT GIVE EITHER AGE LEFT SCHOOL OR AGE LEFT F/T EDUCATION.

RECODE lefted26 (1=6)(16=2)(-2=Copy)(SYSMIS=Copy)(12 thru 15=1)(17 thru 18=3)
  (19 thru 21=4)(21 thru 26=5) INTO leftedg.

VARIABLE LABELS leftedg 'Age left Full-time Education'.
VALUE LABELS LEFTEDG 1'Under 16'
  2'At 16'
  3'Post 16'
  4'Post 18'
  5'Post 21'
  6'Still in Ed'
  -1'No Information'.

MISSING VALUES LEFTEDG (-1) .

VARIABLE LABELS LEFTED26 'AGE LEFT FULL-TIME EDUCATION'.

EXECUTE .

FREQUENCIES VARIABLES=LEFTEDG.

** TRAINING & QUALIFICATION COURSES SINCE LEAVING FULL-TIME EDUCATION.

FREQUENCIES VARIABLES b960134 b960135 b960137 b960138 b960140 b960141
  b960143 b960144.

RECODE
  b960134 b960135 b960137 b960138 b960140 b960141 b960143 b960144
  (88,89,99=sysmis).

** COURSES LEADING TO QUALIFICATIONS .

COMPUTE MANYCLQ = -2 .
IF (SYSMIS(B960134)) MANYCLQ = 0 .
IF (B960134 = 1 & B960135 = 1) MANYCLQ = 1 .
IF (B960134 = 1 & B960135 = 2) MANYCLQ = 2 .
IF (B960134 = 1 & B960135 = 3) MANYCLQ = 3 .
IF (B960134 = 1 & B960135 >= 4) MANYCLQ = 4 .
IF (B960134 = 1 & SYSMIS(B960135)) MANYCLQ = -1 .

VARIABLE LABELS MANYCLQ 'How many qualification courses?' .
VALUE LABELS MANYCLQ 0'NONE'
  1'ONE'
  2'TWO'
  3'THREE'
  4'FOUR + 4-20'
  -1'CLQ, BUT DK HOW MANY'.

MISSING VALUES MANYCLQ (-1,-2).
EXECUTE .

FREQUENCIES VARIABLES=MANYCLQ .

** YTS COURSES .

COMPUTE MANYYTS = -2 .
IF (SYSMIS(B960137)) MANYYTS = 0 .
IF (B960137 = 1 & B960138 = 1) MANYYTS = 1 .
IF (B960137 = 1 & B960138 >= 2) MANYYTS = 2 .
IF (B960137 = 1 & sysmis(B960138)) MANYYTS = -1 .

```



```
VARIABLE LABELS MANYYTS 'How many YTS courses?' .
VALUE LABELS MANYYTS 0'NONE'
                  1'ONE'
                  2'TWO +'
                  -1'YTS, BUT DK HOW MANY'.
```

```
MISSING VALUES MANYYTS (-1,-2).
EXECUTE .
```

```
FREQUENCIES VARIABLES=MANYYTS .
```

```
** OTHER GOVERNMENT SCHEMES .
```

```
COMPUTE MANYGOV = -2 .
IF (SYSMIS(B960140)) MANYGOV = 0 .
IF (B960140 = 1 & B960141 = 1) MANYGOV = 1.
IF (B960140 = 1 & B960141 = 2) MANYGOV = 2.
IF (B960140 = 1 & B960141 >= 3) MANYGOV = 3.
IF (B960140 = 1 & SYSMIS(B960141)) MANYGOV = -1.
```

```
VARIABLE LABELS MANYGOV 'How many Other Gov schemes?' .
VALUE LABELS MANYGOV 0'NONE'
                  1'ONE'
                  2'TWO'
                  3'THREE +'
                  -1'GOV, BUT DK HOW MANY'.
```

```
MISSING VALUES MANYGOV (-1,-2).
EXECUTE .
```

```
FREQUENCIES VARIABLES=MANYGOV .
```

```
** WORK RELATED TRAINING .
```

```
COMPUTE MANYWRT = -2 .
IF (SYSMIS(B960143)) MANYWRT = 0.
IF (B960143 = 1 & B960144 = 1) MANYWRT = 1.
IF (B960143 = 1 & B960144 = 2) MANYWRT = 2.
IF (B960143 = 1 & B960144 = 3) MANYWRT = 3.
IF (B960143 = 1 & B960144 >= 4) MANYWRT = 4.
IF (B960143 = 1 & SYSMIS(B960144)) MANYWRT = -1.
```

```
VARIABLE LABELS MANYWRT 'How many WRT courses ?'.
VALUE LABELS MANYWRT 0'NONE'
                  1'ONE'
                  2'TWO'
                  3'THREE'
                  4'FOUR +'
                  -1'WRT,BUT DK HOW MANY'.
```

```
MISSING VALUES MANYWRT (-1,-2).
EXECUTE.
```

```
FREQUENCIES
  VARIABLES=MANYWRT.
```

```
** RECODING THESE VARIABLES TO GIVE % OF COHORT WHO HAD EVER TAKEN A PARTICULAR
  COURSE.
```

```
RECODE manyclq manywrt manyyts
  (0=0)(1 thru Highest=1)(-1=1)(-2=-1) INTO yn_clq yn_wrt yn_yts.
EXECUTE .
```

```
MISSING VALUES yn_clq (-1).
MISSING VALUES yn_wrt (-1).
MISSING VALUES yn_yts (-1).
```

```
VARIABLES LABELS YN_CLQ 'Any course leading to a qualification?'.

```

```
VARIABLES LABELS YN_WRT 'Any work-related training?'.  
VARIABLES LABELS YN_YTS 'Any youth training scheme?'.  
  
FREQUENCIES VARIABLES=yn_clq yn_wrt yn_yts .
```

LABOUR MARKET

NB: The SPSS code is reproduced as supplied by the author(s). No independent check has been conducted.

```
RECODE empstat (11=SYSMIS) INTO empstatc .

compute everhome =0.
IF (b960249 = 1) everhome = 1.
IF (b960250 > 0) everhome = 1.
if (empstatc = 9) everhome = 1.
IF (b960249 = 8) everhome = -999.

compute everill =0.
if (empstat = 7 or empstat = 8) everill = 1.
IF (b960252 = 1 or b960253 > 0) everill = 1.
IF (b960252 = 8)everill = -999.

compute everolf =0. if (empstat = 10 or empstat = 11) everolf = 1. IF (b960255 = 1 or
b960256 > 0) everolf = 1.
IF (b960255 = 8) everolf = -999.

compute neverft =0.
IF (b960240 = 1 and sysmis(b960241)) neverft = 1. if (empstat = 1 or empstat = 3)
neverft = 0.
IF (b960240 = 1 and ~missing(b960241)) neverft = -999.
IF (b960240 = 8 or b960241 = 88 or b960241 = 99) neverft = -999.

compute neverpt =0.
IF (b960243 = 1 and sysmis(b960244)) neverpt = 1. if (empstat = 2 or empstat = 4)
neverpt = 0.
IF (b960243 = 1 and ~missing(b960244)) neverpt = -999.
IF (b960243 = 8 or b960244 = 88 or b960244=99) neverpt = -999.

compute neveremp =0.
IF (neverft = 1 and neverpt = 1) neveremp = 1.
IF (neverft = -999 or neverpt = -999) neveremp = -999 .

COMPUTE everun2 = -999 .
IF (b960246 = 1) everun2 = 1.
IF (b960247 > 0) everun2 = 1.
IF (b960258 ~= 1) everun2 = 1.
IF (b960247 = 0) everun2 = 0.
IF (b960258 = 1) everun2 = 0.
IF (((b960246 = 1)or (b960247>0))and (b960258=1)) everun2 = -999. if (empstatc =
5)everun2 = 1.

COMPUTE everunem = -999.
IF (b960246 = 1) everunem = 1.
IF (b960247 > 0) everunem = 1.
IF (b960258 ~= 1) everunem = 1.
IF (b960247 = 0) everunem = 0.
IF (b960258 = 1) everunem = 0.
IF (((b960246 = 1) or (b960247>0)) and (b960258=1)) everunem = -999. if (empstatc = 5)
everunem = 1.

compute service = 96-b960270. if (b960270<86 or b960270>96) service = -999.
missing values neverft neverpt neveremp everunem everhome everill everolf
service everun2 (-999).

compute neveremp =0.
IF (neverft = 1 and neverpt = 1) neveremp = 1 .
IF (neverft = -999 or neverpt = -999) neveremp = -999 .
```

```
compute hourswk=-999.
if (b960277<88) hourswk=b960277.
missing values hourswk (-999).
```

*** COMMENT: THE NEXT FOUR LINES CORRECT FOR UNREALISTICALLY HIGH NUMBER OF HOURS. EXCEPTIONS ARE ALLOWED FOR DOCTORS, INN-KEEPERS, HOTEL PORTERS, FOR WHOM THE FREQUENCY OF HIGH NUMBER OF HOURS IS RELATIVELY HIGH. ETC. ****

```
compute hourswkc=-999.
if (b960277<73) hourswkc=b960277.
if (soc=220 or soc=175 or soc=600 or soc=872) hourswkc=hourswk. missing values hourswkc (-999).
```

```
COMPUTE hourswg = -999 .
IF (hourswkc > 60) hourswg = 5 .
IF (hourswkc <= 60) hourswg = 4 .
IF (hourswkc <= 50) hourswg = 3 .
IF (hourswkc <= 40) hourswg = 2 .
IF (hourswkc <= 30) hourswg = 1 .
missing vales hourswg(-999).
```

```
compute hrlypay=-999.
if (b960318=1) hrlypay=B960312.
if (b960318=2) and (hourswkc>7) hrlypay=B960312/7. if (b960318=2) and (hourswkc<=7)
hrlypay=B960312/hourswkc. if (b960318=3) hrlypay=B960312/hourswkc. if (b960318=4)
hrlypay=B960312/(4.33*hourswkc). if (b960318=5) hrlypay=B960312/(52*hourswkc). missing
values hrlypay (-999).
```

*** COMMENT: THE NEXT FOUR LINES CORRECT FOR UNREALISTICALLY LOW AND HIGH EARNINGS. ****

```
compute hrlypayc=hrlypay.
if (hrlypay<1) hrlypayc=-999.
if (hrlypay>100) hrlypayc=-999.
missing values hrlypayc (-999).
```

*** COMMENT: THE NEXT LINES CORRECT FOR UNREALISTICALLY HIGH EARNINGS OF SOME

INDIVIDUALS IN RELATIVELY LOW PAID OCCUPATIONS. ****

```
COMPUTE hpaycor = hrlypayc .
IF (hrlypayc > 25 and seg91 > 60) hpaycor = -999. if (seg91 = 13) hpaycor = hrlypayc .
IF (serial = '02706048') hpaycor=-999.
IF (serial = '03821080') hpaycor=-999.
IF (serial = '03921057') hpaycor=-999.
IF (serial = '04384055') hpaycor=-999.
IF (serial = '08106054') hpaycor=-999.
IF (serial = '09536070') hpaycor=-999.
IF (serial = '10883032') hpaycor=-999.
IF (serial = '10905050') hpaycor=-999.
IF (serial = '10907000') hpaycor=-999.
IF (serial = '11173094') hpaycor=-999.
IF (serial = '11829004') hpaycor=-999.
IF (serial = '12326071') hpaycor=-999.
IF (serial = '14428055') hpaycor=-999.
IF (serial = '15693045') hpaycor=-999.
IF (serial = '16003148') hpaycor=-999.
IF (serial = '16571043') hpaycor=-999.
```

```

IF (serial = '17235086') hpaycor=-999.
IF (serial = '17490021') hpaycor=-999.
IF (serial = '03921057') hpaycor=-999.
IF (serial = '04074047') hpaycor=-999.
IF (serial = '07131028') hpaycor=-999.
IF (serial = '12069070') hpaycor=-999.
IF (serial = '14725061') hpaycor=-999.  missing values hpaycor (-999).
*** COMMENT: THE NEXT FOUR LINES CORRECT FOR UNREALISTICALLY LOW AND HIGH
EARNINGS. ****

```

```

compute wklypayc=-999.
if (b960318=1) wklypayc=B960312*hourswkc.
if (b960318=2) wklypayc=hrlypayc*hourswkc.
if (b960318=3) wklypayc=B960312.
if (b960318=4) wklypayc=B960312/4.33.
if (b960318=5) wklypayc=B960312/52.
if (wklypayc>1000) wklypayc=-999.
missing values wklypayc (-999).

```

*****.

```

var labels
EMPSTATC  "Employment status recoded"
EVERHOME  "Ever period looking after home, etc"
EVERILL   "Ever period unable to work as ill"
EVEROLF   "Ever out of the labour force for other reason"
NEVERFT   "Nver had a full-time job"
NEVERPT   "Never had a part-time job"
NEVEREMP  "Never unemployed"
EVERUN2   "Ever unemployed"
EVERUNEM  "Ever unemployed"
SERVICE  "Years in current job"
HOURSWK   "Usual weekly hours"
HOURSWKC  "Corrected weekly hours"
HOURSWG   "Corrected weekly hours, grouped"
HRLYPAY   "Hourly pay"
HRLYPAYC  "Corrected hourly pay"
HPAYCOR   "Further corrected hourly pay"
WKLYPAY   "Weekly pay"
WKLYPAYC  "Corrected weekly pay"

```

```

value labels
hourswg
1 "30 or less hours/week"
2 "31-40 hours/week"
3 "41-50 hours/week"
4 "51-60 hours/week"
5 "More than 60 hours/week"

```

RELATIONSHIPS, MARRIAGE AND CHILDREN

NB: The SPSS code is reproduced as supplied by the author(s). No independent check has been conducted.

```
*****
* computes the age of the youngest child (own,fostered,adopted
  or step) in the household from the household grid
*****
```

```
compute ageych=999
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
          b960378 b960415/
          y=b960341 b960346 b960351 b960356 b960361 b960366 b960371
          b960376 b960413
```

```
if (x=3) or (x=4) or (x=5) or (x=6) and (y lt ageych) ageych=y
end repeat
execute
```

```
recode ageych (lo thru 2=1) (3,4=2) (5 thru 10=3) (11 thru 15=4)
            (16 thru 998=5)
```

```
print formats ageych (f3.0)
```

```
missing values ageych (999)
```

```
var labs ageych 'age of youngest child in household'
value labels ageych 1 '< 2 yrs'
                   2 '3-4 yrs'
                   3 '5-10 yrs'
                   4 '11-15 yrs'
                   5 '16 + yrs'
                   999 'missing'
```

```
freq ageych
```

```
*****
* computes the age of the youngest OWN child (own,fostered,adopted
  or step) in the household from the household grid - AGEYCH2
*****
```

```
compute ageych2=999
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
          b960378 b960415/
          y=b960341 b960346 b960351 b960356 b960361 b960366 b960371
          b960376 b960413
```

```
if (x=3) and (y lt ageych2) ageych2=y
end repeat
execute
```

```
recode ageych2 (lo thru 2=1) (3,4=2) (5 thru 10=3) (11 thru 15=4)
            (16 thru 998=5)
```

```
print formats ageych2 (f3.0)
```

```
missing values ageych2 (999)
```

```
var labs ageych2 'age of youngest OWN child in household'
value labels ageych2 1 '< 2 yrs'
                   2 '3-4 yrs'
                   3 '5-10 yrs'
                   4 '11-15 yrs'
                   5 '16 + yrs'
                   999 'missing'
```

```
freq ageych2
```

```
*****
* This code creates a variable DEPCHILD which calculates the number
  of dependent children (own/adopted/fostered/step) under 16 yrs of age
  present in the household - ADAPTATION OF SUE MACRANS CODE FOR NCDS5
```

```
compute depchild=0
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
          b960378 b960415/
          y=b960341 b960346 b960351 b960356 b960361 b960366 b960371
          b960376 b960413
if (x ge 3 and x le 6) and (y le 16) depchild=depchild+1
end repeat
do if (depchild=0)
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
          b960378 b960415/
if (x lt 3) or (x gt 6) or (b960338=25 or b960338=26) depchild=99
end repeat
end if
execute
```

```
recode depchild (0=99) (99=0)
```

```
missing values depchild (99)
```

```
format depchild(f1).
```

```
var labs depchild 'total number of dependent children in household'
val labs depchild 0 'none' 99 'missing'
```

```
freq depchild
```

```
* computes the age of the eldest child (own,fostered,adopted
or step) in the household from the household grid
```

```
compute eldest=-1
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
          b960378 b960415/
          y=b960341 b960346 b960351 b960356 b960361 b960366 b960371
          b960376 b960413
```

```
if (x=3 or x=4 or x=5 or x=6) and (y gt eldest) eldest=y
```

```
end repeat
execute
```

```
recode eldest (0 thru 2=1) (3,4=2) (5 thru 10=3) (11 thru 15=4)
(16 thru 98=5)
```

```
print formats eldest (f3.0)
```

```
missing values eldest (-1)
```

```
var labs eldest 'age of eldest child in household'
value labels eldest 1 '< 2 yrs'
                   2 '3-4 yrs'
                   3 '5-10 yrs'
                   4 '11-15 yrs'
                   5 '16 + yrs'
                   -1 'missing'
```

```
freq var eldest
```

```
* computes the age of the eldest OWN child in the
household from the household grid
```

```
compute eldest2=-1
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
```

```
      b960378 b960415/
y=b960341 b960346 b960351 b960356 b960361 b960366 b960371
      b960376 b960413
```

```
if (x=3) and (y gt eldest2) eldest2=y
end repeat
execute
```

```
format eldest2 (f2).
```

```
freq var eldest2.
```

```
recode eldest2 (0 thru 2=1) (3,4=2) (5 thru 10=3) (11 thru 15=4)
              (16 thru 98=5)
```

```
missing values eldest2 (-1)
```

```
format eldest2 (f2).
```

```
var labs eldest2 'age of eldest OWN child in household'
value labels eldest2 1 '< 2 yrs'
                    2 '3-4 yrs'
                    3 '5-10 yrs'
                    4 '11-15 yrs'
                    5 '16 + yrs'
                    -1 'missing'
```

```
freq eldest2
```

```
*****
* Code to create variable for whether has any natural kids
*****
```

```
compute haschild=-1
if (b960333 ge 1 and b960333 lt 8) haschild=1
if (b960334=1) haschild=2
if (b960333=8) haschild=8
```

```
var labs haschild 'R has natural child'
val labs haschild 1 'has children' 2 'no children' 8 'invalid'
```

```
missing values haschild (-1,8).
```

```
print formats haschild (f2.0)
```

```
freq haschild
```

```
*****
* This code creates separate variables for own,step,adopted,fostered
  children from hhold grid but taking missing values into account
  NOTE: These codes do NOT pick out dependent children only
*****
```

```
count cm=b960338 (25,26)
```

```
* OWN CHILD
```

```
compute ownkid=0
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
          b960378 b960415/
if (x=3) ownkid=ownkid+1
end repeat
do if (ownkid=0)
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
          b960378 b960415/
if (x lt 3) or (x ge 4) or (cm=1) ownkid=99
end repeat
end if
execute
```



```

recode ownkid (0=99) (99=0)

missing values ownkid (99)

format ownkid (f1).

var labs ownkid 'total number of own children in household'
val labs ownkid 0 'none' 99 'missing'

freq ownkid

* ADOPTED CHILD

compute adopkid=0
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
           b960378 b960415/
if (x=4) adopkid=adopkid+1
end repeat
do if (adopkid=0)
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
           b960378 b960415/
if (x lt 4) or (x ge 5) or (cm=1) adopkid=99
end repeat
end if
execute

recode adopkid (0=99) (99=0)

missing values adopkid (99)

format adopkid (f1).

var labs adopkid 'total number of adopted children in household'
val labs adopkid 0 'none' 99 'missing'

freq adopkid

* FOSTERED CHILD

compute fostkid=0
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
           b960378 b960415/
if (x=5) fostkid=fostkid+1
end repeat
do if (fostkid=0)
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
           b960378 b960415/
if (x lt 5) or (x ge 6) or (cm=1) fostkid=99
end repeat
end if
execute

recode fostkid (0=99) (99=0)

missing values fostkid (99)

format fostkid (f1).

var labs fostkid 'total number of fostered children in household'
val labs fostkid 0 'none' 99 'missing'

freq fostkid

* STEP CHILD

compute stepkid=0
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373

```

```

        b960378 b960415/
if (x=6) stepkid=stepkid+1
end repeat
do if (stepkid=0)
do repeat x=b960343 b960348 b960353 b960358 b960363 b960368 b960373
        b960378 b960415/
if (x lt 6) or (x ge 7) or (cm=1) stepkid=99
end repeat
end if
execute

recode stepkid (0=99) (99=0)

missing values stepkid (99)

format stepkid (f1).

var labs stepkid 'total number of step children in household'
val labs stepkid 0 'none' 99 'missing'

freq stepkid

*****
*This code creates different marital and partnership statuses of the
  cohort members
*****

compute marstpar=0
if (b960322 eq 1) marstpar=1
if (b960322 eq 1 and b960321 eq 2) marstpar=2
if (b960322 eq 2) marstpar=3
if (b960322 eq 2 and b960321 eq 1) marstpar=4
if (b960322 eq 3) marstpar=5
if (b960322 eq 3) and (b960321 eq 1 or b960321=2) marstpar=6
if (b960322 eq 4) marstpar=7
if (b960322 eq 4) and (b960321 eq 1 or b960321=2) marstpar=8
if (b960322 eq 5) marstpar=9
if (b960322 eq 5 and b960321 eq 2) marstpar=10
if (b960322 eq 6) marstpar=11
if (b960322 eq 6 and b960321 eq 2) marstpar=12

print formats marstpar (f1.0)

variable labels marstpar 'legal and partner status'
value labels marstpar 1 'single no par'
                    2 'single with par'
                    3 'lmarr no par'
                    4 'lmarr with par'
                    5 '2marr no par'
                    6 '2marr with par'
                    7 'sep no par'
                    8 'sep with par'
                    9 'div no par'
                   10 'div with par'
                   11 'wid no par'
                   12 'wid with par'.

missing values marstpar (0)

freq marstpar

*****
* Number of natural born children
*****

compute numkids=-1
if (haschild=2) numkids=0
if (b960333=1) numkids=1

```

```
if (b960333=2) numkids=2
if (b960333=3) numkids=3
if (b960333 ge 4 and b960333 lt 8) numkids=4

var labs numkids 'No of natural children'
val labs numkids 0 'none' 1 'one' 2 'two' 3 'three' 4 'four +'

missing values numkids (-1)

print formats numkids (f2.0)

freq numkids
```

HEALTH AND HEALTH-RELATED BEHAVIOUR

NB: The SPSS code is reproduced as supplied by the author(s). No independent check has been conducted.

```
get file='b116.sys'.
```

```
* Back code health questions,  
so that if recent problem, also since 16.
```

```
do rep x=b960446
```

```
b960447
```

```
b960448
```

```
b960449
```

```
b960450
```

```
b960451
```

```
b960452
```

```
b960453
```

```
b960454
```

```
b960455
```

```
b960456
```

```
b960457
```

```
b960458
```

```
b960459
```

```
b960460
```

```
b960461
```

```
b960462
```

```
b960463
```

```
b960464
```

```
/y=
```

```
b960512
```

```
b960513
```

```
b960514
```

```
b960515
```

```
b960516
```

```
b960517
```

```
b960518
```

```
b960519
```

```
b960520
```

```
b960521
```

```
b960522
```

```
b960523
```

```
b960524
```

```
b960525
```

```
b960526
```

```
b960527
```

```
b960528
```

```
b960529
```

```
b960530.
```

```
if (y eq 1) x=1.
```

```
end rep.
```

```
* set missing values to 0 for yes only resps.
```

```
do rep x=b960446
```

```
b960447
```

```
b960448
```

```
b960449
```

```
b960450
```

```
b960451
```

```
b960452
```

```
b960453
```

```
b960454
```

```
b960455
```

```
b960456
```

```
b960457
```

```
b960458
```

```
b960459
```

```
b960460
```

```
b960461
```

```

b960462
b960463
b960464.
if (mis(x)) x=0.
end rep.

* number of accidents and where had them variables.
comp ahome=0.
comp awork=0.
comp aelse=0.
comp aroad=0.
comp asport=0.
do rep x= b960542 b960548 b960554 b960560.
if (x eq 1) ahome=ahome+1.
if (x eq 2) awork=awork+1.
if (x eq 3) aelse=aelse+1.
if (x eq 4) aroad=aroad+1.
if (x eq 5) asport=asport+1.
end rep.

* Malaise inventory.
comp mismal=0.
comp mal=0.
do rep x=b960637 to b960660.
if ( x eq 1) mal=mal+1.
if (not(any(x,1,2))) mismal=mismal+1.
end rep.
if ((mismal gt 3) and (mal lt 8)) mal =-1.
recod mal (-1=-1) (1 thru 7=0) (8 thru hi=1) into mal26.
mis val mal26 (-1).

```

VIEWS, VOTING AND VALUES

NB: The SPSS code is reproduced as supplied by the author(s). No independent check has been conducted.

missing values b960120 to b960128 b960424 to b960431 (8,-1,-2).

```
factor /variables=b960120 to b960128 b960424 to b960431
/missing listwise
/analysis b960120 to b960128 b960424 to b960431
/print correlation univariate initial extraction rotation
/criteria mineigen(1) iterate(25)
/extraction pc
/rotation varimax
/rotation oblimin.

compute laword=0.
compute polcyn=0.
compute equality=0.
compute marital=0.
compute work=0.
recode b960120 b960121 b960123 b960124 b960127 b960424 b960425
      b960428 b960430 (5=1)(4=2)(3=3)(2=4)(1=5).

compute laword=(b960120+b960123+b960425+b960428)/4.
compute polcyn=(b960125+b960424+b960427)/3.
compute equality=(b960121+b960124+b960426+b960431)/4.
compute marital=(b960126+b960128+b960429)/3.
compute work=(b960122+b960127+b960430)/3.

variable labels
  laword 'Support for law and order'/
  polcyn 'Political cynicism'/
  equality 'Support for sex equality'/
  marital 'Support for traditional marital values'/
  work 'Support for Protestant work ethic'.

freq var laword polcyn equality marital work
/format=condense.
```



Centre for
Longitudinal
Studies

CLS Cohort Studies

Data Note 1

Longitudinal Linkage in BCS70:
Rationalising Case Identifiers

Brian Dodgeon

Centre for Longitudinal Studies

Institute of Education

20 Bedford Way

London WC1H 0AL

Tel: 020 7612 6860

Fax: 020 7612 6880

Email cls@cls.ioe.ac.uk

Web <http://www.cls.ioe.ac.uk>

CLS COHORT STUDIES

DATA NOTE 1

Longitudinal Linkage in BCS70: Rationalising Case Identifiers

Brian Dodgeon

December 2002

Introduction

This document has been prepared to accompany a deposit, with the UK Data Archive at the University of Essex, of data from the 3 most recent follow-ups (age 16, 26 and 30) of the 1970 British Cohort Study (BCS70), which is a continuing, multidisciplinary, national, longitudinal study.

BCS70 began when data were collected about the births of families of 17,198 babies born in England, Scotland, Wales and Northern Ireland in the week 5-11 April 1970. Since the birth survey there have been five other major data collection exercises in order to monitor their health, education, social and economic circumstances. These were carried out in 1975 (age 5), 1980 (age 10), 1986 (age 16), 1996 (age 26), and 1999/2000 (age 30). Sub-samples have also been studied at various ages: for example at age 21, a 10 per cent representative sample was assessed for basic skills difficulties.

From its original focus on the circumstances and outcomes of birth, BCS70 has broadened in scope to map all aspects of health, education and social development of their subjects as they passed through childhood and adolescence. In later sweeps, the information collected has covered their transitions into adult life, including leaving full-time education, entering the labour market, setting up independent homes, forming partnerships and becoming parents.

The latest round of data collection for BCS70 took place in 1999/2000 when cohort members were aged 29/30. The main aim of these most recent surveys was to explore the factors central to the formation and maintenance of adult identity in each of the following domains:

- Lifelong learning
- Relationships, parenting and housing
- Employment and income
- Health and health behaviour
- Citizenship and values

Cohort Studies User Support Group

This provides advice and guidance on the use of Cohort Studies data; produces documentation; collates and disseminates information on uses of the data, publications, and other developments; produces and distributes a newsletter and working papers; provides access to non-computerised Cohort Studies data; and collects additional information.

Contacting the User Support Group

The User Support Group can be contacted by post, 'phone, fax, or email as shown below:

Cohort Studies User Support Group,
Centre for Longitudinal Studies,
6th Floor: Institute of Education,
20 Bedford Way,
London WC1H 0AL

Tel: +44 0207 612 6864

Fax: +44 0207 612 6880

Email: cohort@cls.ioe.ac.uk

Internet: <http://www.cls.ioe.ac.uk/Cohort/Ncds/mainncds.htm>

Acknowledgements

I am indebted to Andrew Cullis, my colleague at CLS, who began the work on rationalising the case identifiers in the early months of this year, and assembled a good deal of useful information, from which I was able to proceed after Andrew left CLS to take up a post with the Scottish Longitudinal Study.

Background to Longitudinal Linkage Problem in BCS70

The difficulty in linking the various sweeps longitudinally has arisen in the context of a dual numbering system, which was adopted for historic reasons connected with the ownership of the data. Originally the cases were referenced by *Key number* (which could be anything from 2 to 6 digits), but a parallel *BCS70 serial number* (8 digits) was introduced in later sweeps.

The essence of the problem was that between 30 and 40 cases had a BCS70 serial number but no apparent Key number, so there was no reliable way for researchers to know if they had been interviewed at earlier sweeps. There were also a small number of anomalous cases where one Key number seemed to correspond to two distinct BCS70 serial numbers, or vice versa.

An exercise was undertaken at the Centre for Longitudinal Studies during 2002 to investigate all these cases, with the aim of re-instituting *Key number* as the comprehensive unique identifier for longitudinal linkage. This document explains the methodology, and the appendices list the cases which have been tidied up, and the SPSS syntax used.

Identification by KEY number

The data held at the UK Data Archive for the British Cohort Study 1970 are in the form of the 6 separate main BCS70 sweeps: at ages 0, 5, 10, 16, 26 and 30 (there were also two 10% sample sweeps at ages 22 months and 36 months, whose data are amalgamated with the birth (age 0) data. Other small sample surveys have not yet been fully documented for deposit).

Longitudinal linkage of the first four sweeps has always been possible with little difficulty, because all members surveyed, without exception, have a unique 6-digit identifier in the variable **KEY**.

In the 16-year-old dataset, as originally deposited, the key number as such was not present, but could be derived by combining the 5-digit **CHESNO** variable with the 1-digit **TC2** (twin code) variable. In the revised deposit of the data (Dec 2002), this process has now been done, so that a variable **KEY** exists at age 16.

Those members present at the original 1970 survey have **KEY** numbers from 10 to 206210, and include 626 children living in Northern Ireland. After this initial survey, the Northern Ireland population was excluded from all subsequent sweeps, except for the small minority who had moved to Great Britain in the meantime.

Attempts continued for sixteen years to locate and contact children born in the week 5-11 April 1970 who may have been missed by the birth survey, including those born abroad who subsequently moved to Britain. As a result, additional members were added to the survey at the 5-year-old sweep (**KEY** nos. 300010 to 450490), the 10-year-old sweep (**KEY** nos. 600020 to 703560), and the 16-year-old sweep (**KEY** nos. 800020 to 804890) [See Appendix 7]. This numbering system does not always exactly reflect the first appearance of a cohort member's data chronologically, as the

key number will have been allocated when the member was located, but they may not have been successfully interviewed till a later sweep.

After the 16-year-old sweep, this process of attempting to expand the population base was limited simply to going back to those already located but not successfully interviewed.

Identification by BCS70 serial number

In the late 1980s, a parallel identifier was introduced, by concatenating a 5-digit 'Y' number with the 1-digit twin code and a 2-digit 'check digit' to form the 8-digit **BCS70 serial number** (variable SERIAL in the 26-year dataset, BSERIAL at 30 years).

SERIAL appears for the first time as a variable in the 26-year dataset, with every case uniquely coded. KEY was also present, but 27 cases appeared with KEY=0 (see Appendix 1). Four of these were found to have had their serial numbers keyed incorrectly, of which two could then be linked to a KEY number by reference to the corresponding serial number in the 30-year-old dataset, leaving a net total of 25 (see Appendix 1).

In the 30-year-old dataset, all cases have a unique value of BSERIAL, but 35 cases appeared with KEY coded as system-missing (see Appendix 2). 14 of these were the same cases that had KEY=0 at the 26-year survey, and a further 8 could be indirectly linked to a KEY number by matching with the corresponding SERIAL number at the 26-year-old data (see Appendix 2); so the net figure of additional problematic cases at the 30-year-old sweep was 13 (i.e. 35 - 14 - 8).

Combining these 13 with the 25 problematic cases from the 26-year-old data, there were 38 cases which had no valid value for KEY.

Matching through Address Database

The above figure of 38 was reduced further, by reference to the internal confidential address database system held at the Centre for Longitudinal Studies, where 8 key numbers were found which had not previously been cross-referenced with a serial number in the data (see Appendix 3).

This left a hard core of **30** cases which could still not be linked to a key number (see Appendix 5).

Cleaning of 2 other spurious cases

In examining the above, two instances were identified of cases where one KEY number seemed to correspond to more than one serial number (see Appendix 4.).

In one case they turned out to be the same person, so the 26-year serial number was changed to harmonise with the 30-year serial.

In the other case, it was two different cohort members: the Key number of one had been mis-typed at the 30-year survey, so this has now been corrected (see Appendix 4).

[These two cases were not contained in the 30 remaining from the above process].

Investigation of origin of remaining 30 cases with no KEY number

An extensive search was conducted through a variety of media at CLS to determine whether the 30 outstanding cases with no match to a key number might possibly be returning members who had been interviewed at earlier sweeps, possibly under a different name.

(a) Attempt to match on name/NHS number(old and new)/phone number using confidential address database

No other members on the address database could be found whose details matched these 30 cases in any of the above respects.

However, the address database was set up in the 1980s from the records of people who were still in touch at that time: it contains a total of 16,764 records, compared with 18,733 in the combined dataset obtained by linking all data longitudinally. So there are around 2,000 members who have participated at some point, but who are not on the address database. This left open the possibility that the 30 cases may be cohort members who dropped out in the early years of the survey, but recently came back.

(b) Reference to card index systems

There are three historical card index sets housed at the CLS: one ordered by key number, and the other two ordered by surname at birth and at 16. None of the 30 cases could be found in either of the two surname-indexed card systems.

(c) Scrutiny of the paper questionnaires stored in the IoE from the 26-year survey.

An attempt was also made to find the paper questionnaires of the 23 (of the 30) cases who were known to have been interviewed at the 26-year survey, to see if there was any further information which might link them to earlier sweeps; but currently the physical storage configuration is not conducive to locating cases systematically on serial number or name, so it was not possible to find them at the present time.

(d) Consideration of the possibility they might be Northern Ireland cases.

As noted in the section 'Identification by Key number' 626 children were interviewed in Northern Ireland at the birth survey, but never again (unless they subsequently moved to Britain).

There was a possibility that these 30 cases might be people who subsequently moved to Britain from Northern Ireland. But scrutinising the names, this seems very unlikely, as 13 of the 30 have names indicative of ethnic minorities, which would be somewhat inconsistent with the NI demography.

Another factor is that only 21 original Northern Irelanders with KEY numbers have been found to have migrated to Britain during the last thirty years (see Appendix 10), so it seems unlikely that as many as 30 others turned up around the time of the last two surveys.

Conclusion

Having exhausted all the above avenues, it was impossible to escape the conclusion that these 30 cases are simply additional cohort members, who had not been interviewed until the 26- or 30-year-old surveys.

As such, there is no possibility of longitudinal linkage to the first four main sweeps, but in this respect they are no different from the 97 other cohort members with valid Key numbers whom we didn't succeed in contacting until 26 or later [see Appendix 7. ($97 = 79 + 48 - 30$)].

A policy decision was therefore taken to leave these cases in the data and to allocate new Key numbers to them. Although at present they do not yield as much longitudinal information as the vast majority of cohort members, hopefully over time they will contribute data in many more sweeps. Researchers always have the option of leaving them out of analyses if they wish.

They were given the consecutive Key numbers 900010 to 900160 (see Appendix 8).

As a result of this cleaning process, all 18,733 BCS70 members who have ever been interviewed now have unique Key numbers, and all duplication has been eliminated. We therefore recommend researchers ignore the BCS70 serial number from now on and use **Key** as the unique identifier for longitudinal linkage.

The SPSS syntax to clean the 26-year and 30-year data is listed in Appendix 8. These were the only two sweeps which needed to be altered, but for the sake of completeness, the 16-year data has also been re-deposited with the addition of a specific **Key** variable, so that researchers will no longer have to combine the 5-digit CHESNO and 1-digit TC2 variables to arrive at the 6-digit identifier.

Appendix 1

BCS70 26-year-old dataset.

26-year serial numbers (SERIAL) of those cases which had KEY coded as 0.

00433049*	00617905**	02039000#	16032893##	21033000	21056000
21178000	21225000	21291000	21320000	21348000	21369000
21391000	21397000	21406000	21413000	21530000	21539000
21575000	21583000	21600000	21623000	21626000	21658000
21667000	21767000	21856000			

27 cases in total (there are 9 other cases which have no KEY number as such in the data, but do have the 5-digit CHESNO and 1-digit CTC code, from which KEY can be derived. These have been tidied up with a proper key number in the re-deposited data).

* this serial number was in fact mis-typed into the 26-year-old data as originally deposited. The number should have been 00933049, and has now been amended. It is matched to KEY number 129360 in the 30-year-old dataset.

** this serial number was also mis-typed: it should have been 06179057. This has now been amended.

this serial number was mis-typed: it should have been 20339000. This has now been amended. It is matched to KEY number 102260 in the 30-year-old dataset.

this serial number was mis-typed: it should have been 13032093. This has now been amended.

Appendix 2

BCS70 30-year-old dataset.

30-year serial numbers (BSERIAL) of those cases which had KEY coded as system-missing.

21033000	21051000	21055000	21056000	21059000	21178000
21179000	21185000	21225000	21239000	21291000	21320000
21338000	21369000	21387000	21391000	21401000	21413000
21421000	21453000	21530000	21556000	21581000	21600000
21619000	21620000	21623000	21644000	21655000	21667000
21673000	21689000	21740000	21753000	21856000	

35 cases in total.

Of these 35, the following 14 serial numbers coincided with 26-year serial numbers with KEY=0 (see Appendix 1):

21033000	21056000	21178000	21225000	21291000	21320000
21369000	21391000	21413000	21530000	21600000	21623000
21667000	21856000				

A further 8 cases, although having no cross-reference to KEY number in the 30-year-old dataset, corresponded with serial numbers in the 26-year-old dataset which *were* cross-referenced to KEY:

21051000	21179000	21185000	21239000	21620000	21655000
21673000	21689000				

Appendix 3

KEY numbers found by reference to the CLS confidential address database system

Serial no.	Key no.
06179057	144810
13032093	7830
21421000	301340
21556000	24550
21619000	83040
21644000	610230
21740000	150150
21753000	608780

8 cases in total.

Appendix 4

Two cases where one KEY number corresponded to more than one SERIAL (or BSERIAL) number.

Case (a)

KEY	SERIAL (26-year survey)	BSERIAL (30-year survey)
83250	20458000	00128031

On examining these two entries on the confidential address database, they turned out to be the same person. Although the surnames listed for each entry were different, both her two forenames were identical, as was the day of birth.

26-year serial no. 20458000 was therefore **altered** to 00128031

Case (b)

KEY	SERIAL (26-year survey)	BSERIAL (30-year survey)
80430		08266089 & 18074999

In contrast with case (a), this turned out to be two different cohort members, where a KEY number which should have been **804830**, had been erroneously typed into the data as **80430**.

The KEY number corresponding to 30-year serial number 18074999 was therefore **altered** to 804830.

Appendix 5

Serial numbers of the 30 cases at the 26-year or 30-year survey for which no KEY number could be found.

Present at 26-year survey only:

21348000	21397000	21406000	21539000	21575000	21583000
21626000	21658000	21767000			

9 cases in total.

Present at both 26-year and 30-year surveys:

21033000	21056000	21178000	21225000	21291000	21320000
21369000	21391000	21413000	21530000	21600000	21623000
21667000	21856000				

14 cases in total.

Present at 30-year survey only:

21055000	21059000	21338000	21387000	21401000	21453000
21581000					

7 cases in total.

Appendix 6

BCS70 members in Northern Ireland at the time of the birth survey, who appeared later in Britain.

	Present	Not Present	Total
Birth survey	626	0	626
5-year-old survey	11	615	626
10-year-old survey	18	608	626
16-year-old survey	15	611	626
26-year-old survey	10	616	626
30-year-old survey	9	617	626
Appeared at any survey post-1970	21	605	626

Appendix 7

Cumulative total of BCS70 members interviewed, showing additions to survey at each successive time-point (*after* this cleaning process)

	Cumulative Total Cases
Birth survey (incl.22-month & 32-month follow-ups):	17,196
5-year-old survey contains 292 cases not previously seen:	17,588
10-year-old survey contains an additional 847 cases:	18,435
16-year-old survey contains an additional 171 cases:	18,606
26-year-old survey contains an additional 79 cases:	18,685
30-year-old survey contains an additional 48 cases:	18,733

Appendix 8

SPSS Syntax to rationalise the Case Identifiers in the last three BCS70 data sweeps

30-year dataset:

```
If (bserial='21033000')key=900010.  
If (bserial='21055000')key=900020.  
If (bserial='21056000')key=900030.  
If (bserial='21059000')key=900040.  
If (bserial='21178000')key=900050.  
If (bserial='21225000')key=900060.  
If (bserial='21291000')key=900070.  
If (bserial='21320000')key=900080.  
If (bserial='21338000')key=900090.  
If (bserial='21348000')key=900100.  
If (bserial='21369000')key=900110.  
If (bserial='21387000')key=900120.  
If (bserial='21391000')key=900130.  
If (bserial='21397000')key=900140.  
If (bserial='21401000')key=900150.  
If (bserial='21406000')key=900160.  
If (bserial='21413000')key=900170.  
If (bserial='21453000')key=900180.  
If (bserial='21530000')key=900190.  
If (bserial='21539000')key=900200.  
If (bserial='21575000')key=900210.  
If (bserial='21581000')key=900220.  
If (bserial='21583000')key=900230.  
If (bserial='21600000')key=900240.  
If (bserial='21623000')key=900250.  
If (bserial='21626000')key=900260.  
If (bserial='21658000')key=900270.  
If (bserial='21667000')key=900280.  
If (bserial='21767000')key=900290.  
If (bserial='21856000')key=900300.
```

```
If (bserial='21051000')key=600280.  
If (bserial='21179000')key=601630.  
If (bserial='21185000')key=108930.  
If (bserial='21239000')key= 76630.  
If (bserial='21421000')key=301340.  
If (bserial='21556000')key= 24550.  
If (bserial='21619000')key= 83040.  
If (bserial='21620000')key=163880.  
If (bserial='21644000')key=610230.  
If (bserial='21655000')key=610200.  
If (bserial='21673000')key=604640.  
If (bserial='21689000')key=604850.  
If (bserial='21740000')key=150150.  
If (bserial='21753000')key=608780.
```

```
If (bserial='18074999')key=804830.
```

execute.

26-year dataset:

If (serial='21033000')key=900010.
If (serial='21055000')key=900020.
If (serial='21056000')key=900030.
If (serial='21059000')key=900040.
If (serial='21178000')key=900050.
If (serial='21225000')key=900060.
If (serial='21291000')key=900070.
If (serial='21320000')key=900080.
If (serial='21338000')key=900090.
If (serial='21348000')key=900100.
If (serial='21369000')key=900110.
If (serial='21387000')key=900120.
If (serial='21391000')key=900130.
If (serial='21397000')key=900140.
If (serial='21401000')key=900150.
If (serial='21406000')key=900160.
If (serial='21413000')key=900170.
If (serial='21453000')key=900180.
If (serial='21530000')key=900190.
If (serial='21539000')key=900200.
If (serial='21575000')key=900210.
If (serial='21581000')key=900220.
If (serial='21583000')key=900230.
If (serial='21600000')key=900240.
If (serial='21623000')key=900250.
If (serial='21626000')key=900260.
If (serial='21658000')key=900270.
If (serial='21667000')key=900280.
If (serial='21767000')key=900290.
If (serial='21856000')key=900300.

If (serial='21051000')key=600280.
If (serial='21179000')key=601630.
If (serial='21185000')key=108930.
If (serial='21239000')key= 76630.
If (serial='21421000')key=301340.
If (serial='21556000')key= 24550.
If (serial='21619000')key= 83040.
If (serial='21620000')key=163880.
If (serial='21644000')key=610230.
If (serial='21655000')key=610200.
If (serial='21673000')key=604640.
If (serial='21689000')key=604850.
If (serial='21740000')key=150150.
If (serial='21753000')key=608780.

If (serial='00433049')key=129360.
If (serial='00617905')key=144810.
If (serial='02039000')key=102260.
If (serial='16032893')key=7830.

If (serial='00433049')serial='00933049'.
If (serial='00617905')serial='06179057'.
If (serial='02039000')serial='20339000'.
If (serial='16032893')serial='13032093'.

If (serial='20458000')serial='00128031'.

* The following case had the 5-digit CHESNO and 1-digit CTC defined in the data
* (from which KEY can be calculated), but for tidiness we put in the key number directly.

If (serial='21902000')key=73630.

execute.

16-year dataset (BCS7016):

```
compute key=10*chesno+tc2.  
format key (f6.0).  
format chesno (f5.0).  
format sex86 (f2.0).  
format lea86 (f6.0).  
format dha86 (f6.0).  
format regha86 (f6.0).  
format land86 (f2.0).  
format odoc_mt(f6.0).  
format odoc_yr(f6.0).  
format tdoc_mt(f6.0).  
format tdoc_yr(f6.0).
```

variable labels key 'Unique Case Identifier'.

variable labels chesno '5-digit case identifier'.

format tc2(f2.0).

variable labels tc2 'twin code'.

value labels tc2 0 'Singleton' 1 'first of multiple birth' 2 'second of multiple birth' 3 'third of multiple birth'.

16-year alpha dataset (alpha16):

```
compute key=10*chesno+tc2.  
format key (f6.0).
```

variable labels key 'Unique Case Identifier'.

```
format chesno (f5.0).
```

variable labels chesno '5-digit case identifier'.

```
format tc2(f2.0).
```

variable labels tc2 'twin code'.

value labels tc2 0 'Singleton' 1 'first of multiple birth' 2 'second of multiple birth' 3 'third of multiple birth'.

Centre for Longitudinal Studies

Bedford Group for Lifecourse and
Statistical Studies

Institute of Education

20 Bedford Way

London WC1H 0AL

Tel: 020 7612 6900

Fax: 020 7612 6880

Email cls@cls.ioe.ac.uk

Web <http://www.cls.ioe.ac.uk>