University of Bristol, ALSPAC

Occupational Coding (SOC2000) NCDS and BCS70

Occupation Coding of NCDS 1969, 1991-2008 and BCS70 1980, 2000-2008

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3/12/2012

Contents

Introduction

This document provides basic statistics and administrative information on the coding processes of the National Child Development Study (NCDS) and the British Cohort Study (BCS) and their questions referring to employment occupation. It is also a guide to the sections that are included in the data outputs for resubmission to the Institute of Education (IOE), and any information pertaining to the methodology, validations studies, previous use, coding of data, and relevant references. This document outlines the process taken by ALSPAC researchers in coding questionnaire responses to occupation through to social class classifications.

The coding of the data was undertaken as part of the ESRC Project *An examination of the impact of family socio-economic status on outcomes in late childhood and adolescence* (ESRC Grant: RES-060-23-0011), led by Professor Paul Gregg.

NCDS & BCS data

The NCDS study was started in 1958 with data collected on the families of over 17,000 babies born in a week in March 1958 (3rd-9th) across England, Scotland and Wales. The BCS study was started in April 1970 with data collected on the families of over 17,198 babies born in a week in April 1970 (5th-11th) across England, Scotland, Wales and Northern Ireland. Together the two studies provide comparable information on occupation that can be used to determine inter-generational patterns of occupation and social class and how these patterns change over time from one longitudinal study to another.

The studies collected data from a range of areas including physical, educational, social, economic development and other wider factors at a number of different time points throughout the participants' lives to measure changes at longitudinal intervals. Figures 1 & 2 display the dates at which data was collected for each study, the age of participants at each date, and the wave ID of each study questionnaire.

Figure 1: NCDS wave data up to 7

Year	Age	NCDS wave ID
1958	Birth	0
1965	7	1
1969	11	2
1974	16	3
1981	23	4
1991	33	5
1999-2000	41-42	6
2004	46	7

Figure 2: BCS wave data up to 8

Year	Age	BCS wave ID
1970	Birth	1
1975	5	2
1980	10	3
1986	16	4
1996	26	5
2000	30	6
2004	34	7
2008	38	8

Data used

The data requested by ALSPAC for coding was occupational data provided by the study participants at the time they were aged 50-51. In the case of the NCDS 5, NCDS 6 and BCS 3 datasets data was available for both the respondent and respondent's partner. This occupational data was provided in the form of computerised text strings from responses to the questionnaires, with the following components included:

(i)   ID
(ii)   job title
(iii)   job description
(iv)   job industry/workplace

An example of the input data is as follows:

12345, General administration duties, school, clerk

It must be noted that in some questionnaire waves there was no information regarding job industry.

Figure 3 indicates the total lines of text in each dataset.

Figure 3: Text strings in the datasets

Dataset	Total lines
NCDS 2	17728
NCDS 5	11469
NCDS 6	11419
NCDS 7	9534
NCDS 8	8210
BCS 3	19085
BCS 6	19084
BCS 7	12211
BCS 8	12211

Missing Data

In some of the datasets there were cases with no text response (missing data - figure 4).

Figure 4: Missing cases

Dataset	Missing cases
NCDS 2	5493
NCDS 5 (participants)	563
NCDS 5 (partners)	3605
NCDS 6 (participants)	1796
NCDS 6 (partners)	3737
NCDS 7	1221
NCDS 8	0
BCS 3 (fathers)	7861
BCS 3 (mothers)	6561
BCS 6	9943
BCS 7	4203
BCS 8	4714

Occupation coding method

To create occupational code classifications the computerised questionnaire response text strings were converted into comma separated value files and processed using the CASCOT (Computer Assisted Structured COding Tool) software programme using automatic and semi-automatic processing to assign standard occupational classification 2000 codes (SOC 2000) to entries . These SOC 2000 codes are assigned based upon the text response of the participants and a score (confidence threshold) out of 100 is given based upon the reliability/accuracy of the code assigned. The automatic processing assigns occupational codes to every entry, assigning the most likely code regardless of score/level of accuracy. The semi-automatic process was run at a cut-off point of 45 (inclusive) leaving all coding suggestions with a low score (<46) to be manually assigned by the researcher.

The reason for using a semi-automatic system is based upon the excessive time required for researchers to make accurate decisions going through the datasets line by line (estimated by ALSPAC at ~3 cases per minute). With the majority of datasets containing c15000 lines of data the time taken to complete each dataset would be estimated at around 80 hours. Previous evaluation work of CASCOT carried out by ALSPAC has identified a cut off point within the range of 40-50 to be accurate while reducing the amount of manual decisions needed to be made by the researcher and therefore the time spent on coding each dataset accurately.

In the case of missing, ambiguous or conflicting responses a coding decision of 'no conclusion' was made in CASCOT.

Data verification method

After semi-automatic coding was complete, a randomised sample of data (10%) was handed to another researcher to code through using the semi-automatic CASCOT process. This data was then added back into the output file to allow comparison between the coding decisions made by the researchers.

Social class coding method

SPSS syntax was used to automatically convert the CASCOT obtained SOC 2000 codes into social class based on two social class measurements; the Registrar General's Social Classes (RGSC); and Socio-economic Groups (SEG). These syntax were created and checked from data available from the Institute for Social and Economic Research (ISER, 2011).

To derive the National Statistics Socio-economic Classification (NS-SEC) (operational category) social class codes the reduced NS-SEC method was used where employment status codes were provided by CLS (NCDS 5, 6, 7, and 8; BCS 6, 7, and 8), and a simplified method where codes were not available. This was done automatically using Microsoft Excel syntax. Similarly, a 'full' method was used to derive scores on the Cambridge Social Interaction and Stratification (CAMSIS) continuous scale where employment status codes were available and a 'reduced' method when they were not (Sterling University, 2008).

The full method of obtaining NS-SEC results in high accuracy of social classifications, using information based upon organisational size/structure and employment status (e.g. employers, supervisors etc). Research by the Office for National Statistics revealed that using the simplified method of deriving NS-SEC resulted in a 24% reduction in data quality from the full method, and the reduced method resulted in a 1.8% quality reduction from the full method (ONS, 2010).

Documentation proof

While there was basic documentation on the standard operational methods for CASCOT coding there was little existing documentation regarding the process of previous work carried out in ALSPAC to convert SOC 2000 codes into social class measures. The only social class documentation available within ALSPAC was official NS-SEC derivation tables and methods as available from the Office of National Statistics, and syntax created for obtaining NS-SEC from SOC 2000 codes.

Data outputs

The data processing method produced a number of results at different stages of coding. The final data output files were designed so that all intermediate states of the coding process are visible in an attempt to make the data outputs as transparent as possible. This was done to ensure reliability in the data and to permit researchers to identify data at different stages of the coding process. The following key steps/components are therefore included in the output file of each dataset to maximise the transparency of the decisions taken by researchers:

(i)   ID
(ii)   raw job title
(iii)   supplementary information
(iv)   supplementary information
(v)   automatic CASCOT occupation code
(vi)   automatic CASCOT occupation score
(vii)   semi-automatic CASCOT occupation code
(viii) semi-automatic CASCOT score

Where data has been verified by an additional researcher the following steps/components are also displayed:

(ix)   verification override occupation code
(x)   verification override score

Following CASCOT occupational coding the following social class steps/components are displayed:

(xi)   Employment Status
(xii)   NS-SEC social class value based on automatic code
(xiii)   NS-SEC social class value based on semi-automatic code
(xiv)   NS-SEC social class value based on verification code
(xv)   CAMSIS social class value based on automatic code
(xvi)   CAMSIS social class value based on semi-automatic code
(xvii)   CAMSIS social class value based on verification code
(xviii) RGSC social class value based on automatic code
(xix)   RGSC social class value based on semi-automatic code
(xx)   RGSC social class value based on verification code
(xxi)   SEG social class value based on automatic code
(xxii)   SEG social class value based on semi-automatic code
(xxiii) SEG social class value based on verification code

Results consistency and reliability

User consistency (coding of responses) was high across the datasets with verification conflicts between the two researchers remaining low. Due to the somewhat subjective nature of occupation coding and the ambiguity of a number of participant responses in the datasets it was expected that such conflicts would arise; the verification process was primarily used to ensure that the original semi-automatic assigned codes were reliable and that coding remained consistent throughout the datasets. In the event of a dataset containing a high number of coding conflicts a section of the conflicting cases

was taken and coded by two researchers to discuss the coding decisions. In every case it was decided that both codes were suitable and the conflicts were down to the ambiguity of the response, therefore it is recommended that in conflicting cases the highest value (ie. Least professional of the two) occupation code is selected for analysis.

It was important to assess the level of reliability from the CASCOT automatic coding decisions and ensure that the semi-automatic cut off level yielded accurate results. To assess reliability of CASCOT decisions random samples (n = 100) of automatically coded data were analysed, with the results displayed below in figure 5. These results demonstrate that CASCOT is reliable to a 95% confidence level above the chosen semi-automatic threshold of 45, and that in most cases a threshold of 50 would make very little difference to accuracy but increase the time required to manually code each dataset.

Figure 5: CASCOT reliability above scores of 45 and 50

Dataset	Conflicts > 45	>45 Error	Conflicts > 50	>50 Error
NCDS 2	5	**5%**	4	**4%**
NCDS 5 (participants)	5	**5%**	5	**5%**
NCDS 5 (partners)	3	**3%**	3	**3%**
NCDS 6 (participants)	5	**5%**	5	**5%**
NCDS 6 (partners)	5	**5%**	4	**4%**
NCDS 7	2	**2%**	2	**2%**
NCDS 8	5	**5%**	4	**4%**
BCS 3 (fathers)	5	**5%**	4	**4%**
BCS 3 (mothers)	3	**3%**	2	**2%**
BCS 6	5	**5%**	3	**3%**
BCS 7	3	**3%**	0	**0%**
BCS 8	8	**8%**	5	**5%**

Figure 6 displays the cases where CASCOT incorrectly assigned an occupational code to an entry that could not be defined and should be made as a 'no conclusion' during the accuracy test of 100 cases. Examples of such cases include vague job titles/descriptions and entries where the participants text response contained occupation keywords (for example 'no head of household' translating to 'head teacher' and 'housewife cleaning cooking at home' translating to 'cleaner'). The results of figure 6 indicate that there was very little difference in accuracy between the chosen cut-off level of 45 or 50, and that it was very rare that a case had to be manually reverted to 'no conclusion' within the accuracy sample.

Figure 6: CASCOT assumptions made zero

Dataset	Assumptions made zero above 45	Error	Assumptions made zero above 50	Error
NCDS 2	1	**1%**	0	**0%**
NCDS 5 (participants)	1	**1%**	1	**1%**
NCDS 5 (partners)	0	**0%**	0	**0%**
NCDS 6 (participants)	3	**3%**	3	**3%**
NCDS 6 (partners)	0	**0%**	0	**0%**
NCDS 7	0	**0%**	0	**0%**
NCDS 8	0	**0%**	0	**0%**

BCS 3 (fathers)	1	**1%**	1	**1%**
BCS 3 (mothers)	0	**0%**	0	**0%**
BCS 6	0	**0%**	0	**0%**
BCS 7	0	**0%**	0	**0%**
BCS 8	0	**0%**	0	**0%**

As anticipated, CASCOT was found to be highly unreliable between the scores of 1-45 with the percentage of automatic/semi-automatic decision conflicts ranging from 43% to 63%. The difference between this high level of conflict below the score of 45 and the low level of conflict above 45 in the reliability samples indicates that the cut-off value of 45 ensures a strong balance of maintaining a high level of reliability while keeping the time required for manual recoding to a reasonable minimum.

There were also a number of cases where CASCOT failed to code responses due to the data being ambiguous, incomplete or in the majority of cases where the respondent had entered all information as an industry response as opposed to a job title response (CASCOT was programmed to read job title not industry). While an automatic sweep failed to code such responses it also ensured that occupation codes were not incorrectly assigned to these unreadable responses, instead assigning a 'no conclusion' response in the majority of cases. These cases however were easily rectified with the semi-automatic processing sweep.

References

Institute for Social and Economic Research (2011) 'Derivations of Social Class' taken from http://www.iser.essex.ac.uk/archives/nssec/derivations-of-social-class [Accessed 13/02/2012]

Office for National Statistics. (2010) 'Final recommended questions for the 2011 Census in England and Wales' taken from http://www.ons.gov.uk/census/2011-census/2011-census-questionnaire-content/question-and-content-recommendations-for-2011/final-recommended-questions-2011---labour-market.pdf [Accessed 18/04/2011]

Stirling University (2008) 'National Versions of Camsis' Taken from http://www.camsis.stir.ac.uk/versions.html#Britain [Accessed 13/02/2012]

APPENDIX A

Content of Datasets: NCDS

NCDS 2: Father's (of Cohort Member) Occupation (1969)

Filename: ncds2_occupation_coding_father

Variable	Description
N2ASOCC	NCDS 1969 Father: FULL automatic SOC2000
N2ASOCS	NCDS 1969 Father: FULL automatic Score
N2ASOC90	NCDS 1969 Father: Full auto SOC90
N2SSOCC	NCDS 1969 Father: SEMI auto SOC2000
N2SSOCS	NCDS 1969 Father: SEMI auto Score
N2SSOC90	NCDS 1969 Father: Semi auto SOC90
N2VSOCC	NCDS 1969 Father: VERIFICATION SOC2000
N2VSOCS	NCDS 1969 Father: VERIFICATION Score
N2VSOC90	NCDS 1969 Father: VERIFICATION SOC90
N2ANSSEC	NCDS 1969 Father: NS-SEC social class code AUTO processing
N2SNSSEC	NCDS 1969 Father: NS-SEC social class code SEMI processing
N2VNSSEC	NCDS 1969 Father: NS-SEC social class code VERIFICATION
N2ACMSIS	NCDS 1969 Father: CAMSIS code AUTO processing
N2SCMSIS	NCDS 1969 Father: CAMSIS code SEMI processing
N2VCMSIS	NCDS 1969 Father: CAMSIS code VERIFICATION processing
N2ARGSC	NCDS 1969 Father: RGSC social class code AUTO processing
N2SRGSC	NCDS 1969 Father: RGSC social class code SEMI processing
N2VRGSC	NCDS 1969 Father: RGSC social class code VERIFICATION processing
N2ASEG	NCDS 1969 Father: SEG social class code AUTO processing
N2SSEG	NCDS 1969 Father: SEG social class code SEMI processing
N2VSEG	NCDS 1969 Father: SEG social class code VERIFICATION processing

NCDS 5: Cohort Member's Occupation (1991)

Filename: ncds5_occupation_coding_cm

Variable	Description
N5ASOCC	NCDS 1991 CM: FULL automatic SOC2000
N5ASOCS	NCDS 1991 CM: FULL automatic Score
N5ASOC90	NCDS 1991 CM: FULL automatic SOC90
N5SSOCC	NCDS 1991 CM: SEMI auto SOC2000
N5SSOCS	NCDS 1991 CM: SEMI auto Score
N5SSOC90	NCDS 1991 CM: SEMI automatic SOC90
N5VSOCC	NCDS 1991 CM: VERIFICATION SOC2000
N5VSOCS	NCDS 1991 CM: VERIFICATION Score
N5VSOC90	NCDS 1991 CM: VERIFICATION SOC90
N5EMPSTA	NCDS 1991 CM: Employment Status
N5ANSSEC	NCDS 1991 CM: NS-SEC social class code AUTO processing
N5SNSSEC	NCDS 1991 CM: NS-SEC social class code SEMI processing
N5NSSEC	NCDS 1991 CM: NS-SEC social class code VERIFICATION processing
N5ACMSIS	NCDS 1991 CM: CAMSIS code AUTO processing
N5SCMSIS	NCDS 1991 CM: CAMSIS social class code SEMI processing
N5VCMSIS	NCDS 1991 CM: CAMSIS social class code VERIFICATION processing
N5ARGSC	NCDS 1991 CM: RGSC social class code AUTO processing
N5SRGSC	NCDS 1991 CM: RGSC social class code SEMI processing
N5VRGSC	NCDS 1991 CM: RGSC social class code VERIFICATION processing
N5ASEG	NCDS 1991 CM: SEG social class code AUTO processing
N5SSEG	NCDS 1991 CM: SEG social class code SEMI processing
N5VSEG	NCDS 1991 CM: SEG social class code VERIFICATION processing

NCDS 5: Partner of Cohort Member's Occupation (1991)

Filename: ncds5_occupation_coding_partner

Variable	Description
N5PASOCC	NCDS 1991 PARTNER: FULL automatic SOC2000
N5PASOCS	NCDS 1991 PARTNER: FULL automatic Score
N5PASOC90	NCDS 1991 PARTNER: FULL automatic SOC90
N5PSSOCC	NCDS 1991 PARTNER: SEMI auto SOC2000
N5PSSOCS	NCDS 1991 PARTNER: SEMI auto Score
N5PSSOC90	NCDS 1991 PARTNER: SEMI automatic SOC90
N5PVSOCC	NCDS 1991 PARTNER: VERIFICATION SOC2000
N5PVSOCS	NCDS 1991 PARTNER: VERIFICATION Score
N5PVSOC90	NCDS 1991 PARTNER: VERIFICATION SOC90
N5PEMPSTA	NCDS 1991 PARTNER: Employment Status
N5PANSSEC	NCDS 1991 PARTNER: NS-SEC social class code AUTO processing
N5PSNSSEC	NCDS 1991 PARTNER: NS-SEC social class code SEMI processing
N5PNSSEC	NCDS 1991 PARTNER: NS-SEC social class code VERIFICATION processing
N5PACMSIS	NCDS 1991 PARTNER: CAMSIS code AUTO processing
N5PSCMSIS	NCDS 1991 PARTNER: CAMSIS social class code SEMI processing
N5PVCMSIS	NCDS 1991 PARTNER: CAMSIS social class code VERIFICATION processing
N5PARGSC	NCDS 1991 PARTNER: RGSC social class code AUTO processing
N5PSRGSC	NCDS 1991 PARTNER: RGSC social class code SEMI processing
N5PVRGSC	NCDS 1991 PARTNER: RGSC social class code VERIFICATION processing
N5PASEG	NCDS 1991 PARTNER: SEG social class code AUTO processing
N5PSSEG	NCDS 1991 PARTNER: SEG social class code SEMI processing
N5PVSEG	NCDS 1991 PARTNER: SEG social class code VERIFICATION processing

NCDS 6: Cohort Member's Occupation (2000)

Filename: ncds6_occupation_coding_cm

Variable	Description
N6ASOCC	NCDS 2000 CM: FULL automatic SOC2000
N6ASOCS	NCDS 2000 CM: FULL automatic Score
N6ASOC90	NCDS 2000 CM: FULL automatic SOC90
N6SSOCC	NCDS 2000 CM: SEMI auto SOC2000
N6SSOCS	NCDS 2000 CM: SEMI auto Score
N6SSOC90	NCDS 2000 CM: SEMI automatic SOC90
N6VSOCC	NCDS 2000 CM: VERIFICATION SOC2000
N6VSOCS	NCDS 2000 CM: VERIFICATION Score
N6VSOC90	NCDS 2000 CM: VERIFICATION SOC90
N6EMPSTA	NCDS 2000 CM: Employment Status
N6ANSSEC	NCDS 2000 CM: NS-SEC social class code AUTO processing
N6SNSSEC	NCDS 2000 CM: NS-SEC social class code SEMI processing
N6NSSEC	NCDS 2000 CM: NS-SEC social class code VERIFICATION processing
N6ACMSIS	NCDS 2000 CM: CAMSIS code AUTO processing
N6SCMSIS	NCDS 2000 CM: CAMSIS social class code SEMI processing
N6VCMSIS	NCDS 2000 CM: CAMSIS social class code VERIFICATION processing
N6ARGSC	NCDS 2000 CM: RGSC social class code AUTO processing
N6SRGSC	NCDS 2000 CM: RGSC social class code SEMI processing
N6VRGSC	NCDS 2000 CM: RGSC social class code VERIFICATION processing
N6ASEG	NCDS 2000 CM: SEG social class code AUTO processing
N6SSEG	NCDS 2000 CM: SEG social class code SEMI processing
N6VSEG	NCDS 2000 CM: SEG social class code VERIFICATION processing

NCDS 6: Partner of Cohort Member's Occupation (2000)

Filename: ncds6_occupation_coding_partner

Variable	Description
N6PASOCC	NCDS 2000 Partner: FULL automatic Code
N6PASOCS	NCDS 2000 Partner: FULL automatic Score
N6PASOC90	NCDS 2000 Partner: FULL automatic SOC90
N6PSSOCC	NCDS 2000 Partner: SEMI auto Code
N6PSSOCS	NCDS 2000 Partner: SEMI auto Score
N6PSSOC90	NCDS 2000 Partner: SEMI automatic SOC90
N6PVSOCC	NCDS 2000 Partner: VERIFICATION Code
N6PVSOCS	NCDS 2000 Partner: VERIFICATION Score
N6PVSOC90	NCDS 2000 Partner: VERIFICATION SOC90
N6PEMPSTA	NCDS 2000 Partner: Employment Status
N6PANSSEC	NCDS 2000 Partner: NS-SEC social class code AUTO processing
N6PSNSSEC	NCDS 2000 Partner: NS-SEC social class code SEMI processing
N6PNSSEC	NCDS 2000 Partner: NS-SEC social class code VERIFICATION processing
N6PACMSIS	NCDS 2000 Partner: CAMSIS code AUTO processing
N6PSCMSIS	NCDS 2000 Partner: CAMSIS social class code SEMI processing
N6PVCMSIS	NCDS 2000 Partner: CAMSIS social class code VERIFICATION processing
N6PARGSC	NCDS 2000 Partner: RGSC social class code AUTO processing
N6PSRGSC	NCDS 2000 Partner: RGSC social class code SEMI processing
N6PVRGSC	NCDS 2000 Partner: RGSC social class code VERIFICATION processing
N6PASEG	NCDS 2000 Partner: SEG social class code AUTO processing
N6PSSEG	NCDS 2000 Partner: SEG social class code SEMI processing
N6PVSEG	NCDS 2000 Partner: SEG social class code VERIFICATION processing

NCDS 7: Cohort Member's Occupation (2004)

Filename: ncds7_occupation_coding_cm

Variable	Description
N7ASOCC	NCDS 2004 CM: FULL automatic SOC2000
N7ASOCS	NCDS 2004 CM: FULL automatic Score
N7ASOC90	NCDS 2004 CM: FULL automatic SOC90
N7SSOCC	NCDS 2004 CM: SEMI auto SOC2000
N7SSOCS	NCDS 2004 CM: SEMI auto Score
N7SSOC90	NCDS 2004 CM: SEMI automatic SOC90
N7VSOCC	NCDS 2004 CM: VERIFICATION SOC2000
N7VSOCS	NCDS 2004 CM: VERIFICATION Score
N7VSOC90	NCDS 2004 CM: VERIFICATION SOC90
N7EMPSTA	NCDS 2004 CM: Employment Status
N7ANSSEC	NCDS 2004 CM: NS-SEC social class code AUTO processing
N7SNSSEC	NCDS 2004 CM: NS-SEC social class code SEMI processing
N7NSSEC	NCDS 2004 CM: NS-SEC social class code VERIFICATION processing
N7ACMSIS	NCDS 2004 CM: CAMSIS code AUTO processing
N7SCMSIS	NCDS 2004 CM: CAMSIS social class code SEMI processing
N7VCMSIS	NCDS 2004 CM: CAMSIS social class code VERIFICATION processing
N7ARGSC	NCDS 2004 CM: RGSC social class code AUTO processing
N7SRGSC	NCDS 2004 CM: RGSC social class code SEMI processing
N7VRGSC	NCDS 2004 CM: RGSC social class code VERIFICATION processing
N7ASEG	NCDS 2004 CM: SEG social class code AUTO processing
N7SSEG	NCDS 2004 CM: SEG social class code SEMI processing
N7VSEG	NCDS 2004 CM: SEG social class code VERIFICATION processing

NCDS 8: Cohort Member's Occupation (2008)

Filename: ncds8_occupation_coding_cm

Variable	Description
N8ASOCC	NCDS 2008 CM: FULL automatic SOC2000
N8ASOCS	NCDS 2008 CM: FULL automatic Score
N8ASOC90	NCDS 2008 CM: FULL automatic SOC90
N8SSOCC	NCDS 2008 CM: SEMI auto SOC2000
N8SSOCS	NCDS 2008 CM: SEMI auto Score
N8SSOC90	NCDS 2008 CM: SEMI automatic SOC90
N8VSOCC	NCDS 2008 CM: VERIFICATION SOC2000
N8VSOCS	NCDS 2008 CM: VERIFICATION Score
N8VSOC90	NCDS 2008 CM: VERIFICATION SOC90
N8EMPSTA	NCDS 2008 CM: Employment Status
N8ANSSEC	NCDS 2008 CM: NS-SEC social class code AUTO processing
N8SNSSEC	NCDS 2008 CM: NS-SEC social class code SEMI processing
N8NSSEC	NCDS 2008 CM: NS-SEC social class code VERIFICATION processing
N8ACMSIS	NCDS 2008 CM: CAMSIS code AUTO processing
N8SCMSIS	NCDS 2008 CM: CAMSIS social class code SEMI processing
N8VCMSIS	NCDS 2008 CM: CAMSIS social class code VERIFICATION processing
N8ARGSC	NCDS 2008 CM: RGSC social class code AUTO processing
N8SRGSC	NCDS 2008 CM: RGSC social class code SEMI processing
N8VRGSC	NCDS 2008 CM: RGSC social class code VERIFICATION processing
N8ASEG	NCDS 2008 CM: SEG social class code AUTO processing
N8SSEG	NCDS 2008 CM: SEG social class code SEMI processing
N8VSEG	NCDS 2008 CM: SEG social class code VERIFICATION processing

Content of Datasets: BCS70

BCS70 3: Father's (of Cohort Member) Occupation (1980)

Filename: bcs3_occupation_coding_father

Variable	Description
B3FASOCC	BCS 1980 Father: FULL automatic SOC2000
B3FASOCS	BCS 1980 Father: FULL automatic Score
B3FASOC90	BCS 1980 Father: FULL automatic SOC90
B3FSSOCC	BCS 1980 Father: SEMI auto SOC2000
B3FSSOCS	BCS 1980 Father: SEMI auto Score
B3FSSOC90	BCS 1980 Father: SEMI automatic SOC90
B3FVSOCC	BCS 1980 Father: VERIFICATION SOC2000
B3FVSOCS	BCS 1980 Father: VERIFICATION Score
B3FVSOC90	BCS 1980 Father: VERIFICATION SOC90
B3FANSSEC	BCS 1980 Father: NS-SEC social class code AUTO processing
B3FSNSSEC	BCS 1980 Father: NS-SEC social class code SEMI processing
B3FNSSEC	BCS 1980 Father: NS-SEC social class code VERIFICATION
B3FACMSIS	BCS 1980 Father: CAMSIS code AUTO processing
B3FSCMSIS	BCS 1980 Father: CAMSIS code SEMI processing
B3FVCMSIS	BCS 1980 Father: CAMSIS code VERIFICATION processing
B3FARGSC	BCS 1980 Father: RGSC social class code AUTO processing
B3FSRGSC	BCS 1980 Father: RGSC social class code SEMI processing
B3FVRGSC	BCS 1980 Father: RGSC social class code VERIFICATION processing
B3FASEG	BCS 1980 Father: SEG social class code AUTO processing
B3FSSEG	BCS 1980 Father: SEG social class code SEMI processing
B3FVSEG	BCS 1980 Father: SEG social class code VERIFICATION processing

BCS70 3: Mother's (of Cohort Member) Occupation (1980)

Filename: bcs3_occupation_coding_mother

Variable	Description
B3MASOCC	(BCS 1980 Mother) FULL automatic SOC2000
B3MASOCS	(BCS 1980 Mother) FULL automatic Score
B3MASOC90	(BCS 1980 Mother) FULL automatic SOC90
B3MSSOCC	(BCS 1980 Mother) SEMI auto SOC2000
B3MSSOCS	(BCS 1980 Mother) SEMI auto Score
B3MSSOC90	(BCS 1980 Mother) SEMI automatic SOC90
B3MVSOCC	(BCS 1980 Mother) VERIFICATION SOC2000
B3MVSOCS	(BCS 1980 Mother) VERIFICATION Score
B3MVSOC90	(BCS 1980 Mother) VERIFICATION SOC90
B3MANSSEC	(BCS 1980 Mother) NS-SEC social class code AUTO processing
B3MSNSSEC	(BCS 1980 Mother) NS-SEC social class code SEMI processing
B3MNSSEC	(BCS 1980 Mother) NS-SEC social class code VERIFICATION
B3MACMSIS	(BCS 1980 Mother) CAMSIS code AUTO processing
B3MSCMSIS	(BCS 1980 Mother) CAMSIS code SEMI processing
B3MVCMSIS	(BCS 1980 Mother) CAMSIS code VERIFICATION processing
B3MARGSC	(BCS 1980 Mother) RGSC social class code AUTO processing
B3MSRGSC	(BCS 1980 Mother) RGSC social class code SEMI processing
B3MVRGSC	(BCS 1980 Mother) RGSC social class code VERIFICATION processing
B3MASEG	(BCS 1980 Mother) SEG social class code AUTO processing
B3MSSEG	(BCS 1980 Mother) SEG social class code SEMI processing
B3MVSEG	(BCS 1980 Mother) SEG social class code VERIFICATION processing

BCS70 6: Cohort Member's Occupation (2000)

Filename: bcs6_occupation_coding_cm

Variable	Description
B6ASOCC	BCS 2000 CM: FULL automatic SOC2000
B6ASOCS	BCS 2000 CM: FULL automatic Score
B6ASOC90	BCS 2000 CM: FULL automatic SOC90
B6SSOCC	BCS 2000 CM: SEMI auto SOC2000
B6SSOCS	BCS 2000 CM: SEMI auto Score
B6SSOC90	BCS 2000 CM: SEMI automatic SOC90
B6VSOCC	BCS 2000 CM: VERIFICATION SOC2000
B6VSOCS	BCS 2000 CM: VERIFICATION Score
B6VSOC90	BCS 2000 CM: VERIFICATION SOC90
B6EMPSTA	BCS 2000 CM: Employment Status
B6ANSSEC	BCS 2000 CM: NS-SEC social class code AUTO processing
B6SNSSEC	BCS 2000 CM: NS-SEC social class code SEMI processing
B6NSSEC	BCS 2000 CM: NS-SEC social class code VERIFICATION processing
B6ACMSIS	BCS 2000 CM: CAMSIS social class code AUTO processing
B6SCMSIS	BCS 2000 CM: CAMSIS social class code SEMI processing
B6VCMSIS	BCS 2000 CM: CAMSIS social class code VERIFICATION processing
B6ARGSC	BCS 2000 CM: RGSC social class code AUTO processing
B6SRGSC	BCS 2000 CM: RGSC social class code SEMI processing
B6VRGSC	BCS 2000 CM: RGSC social class code VERIFICATION processing
B6ASEG	BCS 2000 CM: SEG social class code AUTO processing
B6SSEG	BCS 2000 CM: SEG social class code SEMI processing
B6VSEG	BCS 2000 CM: SEG social class code VERIFICATION processing

BCS70 7: Cohort Member's Occupation (2004)

Filename: bcs7_occupation_coding_cm

Variable	Description
B7ASOCC	BCS 2004 CM: FULL automatic SOC2000
B7ASOCS	BCS 2004 CM: FULL automatic Score
B7ASOC90	BCS 2004 CM: FULL automatic SOC90
B7SSOCC	BCS 2004 CM: SEMI auto SOC2000
B7SSOCS	BCS 2004 CM: SEMI auto Score
B7SSOC90	BCS 2004 CM: SEMI automatic SOC90
B7VSOCC	BCS 2004 CM: VERIFICATION SOC2000
B7VSOCS	BCS 2004 CM: VERIFICATION Score
B7VSOC90	BCS 2004 CM: VERIFICATION SOC90
B7EMPSTA	BCS 2004 CM: Employment Status
B7ANSSEC	BCS 2004 CM: NS-SEC social class code AUTO processing
B7SNSSEC	BCS 2004 CM: NS-SEC social class code SEMI processing
B7NSSEC	BCS 2004 CM: NS-SEC social class code VERIFICATION processing
B7ACMSIS	BCS 2004 CM: RGSC CAMSIS social class code AUTO processing
B7SCMSIS	BCS 2004 CM: RGSC CAMSIS social class code SEMI processing
B7VCMSIS	BCS 2004 CM: RGSC CAMSIS social class code VERIFICATION processing
B7ARGSC	BCS 2004 CM: RGSC social class code AUTO processing
B7SRGSC	BCS 2004 CM: RGSC social class code SEMI processing
B7VRGSC	BCS 2004 CM: RGSC social class code VERIFICATION processing
B7ASEG	BCS 2004 CM: SEG social class code AUTO processing
B7SSEG	BCS 2004 CM: SEG social class code SEMI processing
B7VSEG	BCS 2004 CM: SEG social class code VERIFICATION processing

BCS70 8: Cohort Member's Occupation (2008)

Filename: bcs8_occupation_coding_cm

Variable	Description
B8ASOCC	BCS 2008 CM: FULL automatic SOC2000
B8ASOCS	BCS 2008 CM: FULL automatic Score
B8ASOC90	BCS 2008 CM: FULL automatic SOC90
B8SSOCC	BCS 2008 CM: SEMI auto SOC2000
B8SSOCS	BCS 2008 CM: SEMI auto Score
B8SSOC90	BCS 2008 CM: SEMI automatic SOC90
B8VSOCC	BCS 2008 CM: VERIFICATION SOC2000
B8VSOCS	BCS 2008 CM: VERIFICATION Score
B8VSOC90	BCS 2008 CM: VERIFICATION SOC90
B8EMPSTA	BCS 2008 CM: Employment Status
B8ANSSEC	BCS 2008 CM: NS-SEC social class code AUTO processing
B8SNSSEC	BCS 2008 CM: NS-SEC social class code SEMI processing
B8NSSEC	BCS 2008 CM: NS-SEC social class code VERIFICATION processing
B8ACMSIS	BCS 2008 CM: CAMSIS social class code AUTO processing
B8SCMSIS	BCS 2008 CM: CAMSIS social class code SEMI processing
B8VCMSIS	BCS 2008 CM: CAMSIS social class code VERIFICATION processing
B8ARGSC	BCS 2008 CM: RGSC social class code AUTO processing
B8SRGSC	BCS 2008 CM: RGSC social class code SEMI processing
B8VRGSC	BCS 2008 CM: RGSC social class code VERIFICATION processing
B8ASEG	BCS 2008 CM: SEG social class code AUTO processing
B8SSEG	BCS 2008 CM: SEG social class code SEMI processing
B8VSEG	BCS 2008 CM: SEG social class code VERIFICATION processing