



Centre for
Longitudinal
Studies

NCDS

Data Note 8

**Industry for NCDS5
Current/last Job**

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INDUSTRY FOR NCDS5 CURRENT/LAST JOB

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INTRODUCTION

This *NCDS Data Note* reports on work done to extend the range of the occupation data available for the fifth follow-up of the *National Child Development Study (NCDS5)* by coding details of industry for current/most recent occupation of the NCDS cohort member. This work was undertaken by Denise Brown and Peter Shepherd of the User Support Group, and this note was prepared by Peter Shepherd. It is hoped that the information provided below may be of value to others analysing NCDS data.

A brief introduction to NCDS will be followed by an account of the problems encountered in the original occupation data and their resolution. Revised occupation data are also provided.

NATIONAL CHILD DEVELOPMENT STUDY

The *National Child Development Study (NCDS)* is a continuing, multi-disciplinary longitudinal study which takes as its subjects all those living in Great Britain who were born between 3 and 9 March, 1958.

Following the initial birth survey in 1958 - the *Perinatal Mortality Survey (PMS)* - there have been, to date, five attempts to trace all members of the birth cohort in order to monitor their physical, educational and social development. These were carried out by the National Children's Bureau in 1965 (*NCDS1*), 1969 (*NCDS2*), 1974 (*NCDS3*), and 1981 (*NCDS4*); and by the Social Statistics Research Unit, City University in 1991 (*NCDS5*). In addition, in 1978, details of public examination entry and performance were obtained from schools and colleges.

For the *PMS* information was obtained from the *mother* and from *medical records* by the midwife. For *NCDS1-3*, information was obtained from: *parents* (by health visitors); *head teachers* and *class teachers* (who completed questionnaires); *medical examination* (carried out by the schools health service); and the *subjects* themselves (who completed tests of ability and, latterly, questionnaires).

NCDS4 differs in that information was obtained from the *subject* by survey research interviewer, and from the *1971 and 1981 Censuses* - from which variables describing area of residence were taken. Similarly, *NCDS5* also relied on survey research interviewers to collect information from *subjects*. Self-completion questionnaires were also used to gather data from NCDS *subjects* and from *husbands, wives, and cohabiters*. In addition, for a random sample of one in three subjects, information was collected for all *natural or adopted children* who were living with them. Data were gathered from the *children* themselves, and from their *mother, or mother-figure* (who might be the cohort member, or their spouse or partner), using a series of age-specific assessments of cognitive and behavioural development. These were supplemented by a *mother* interview, and by *interviewer observations* of mother-child interaction.

During *EXAMS* survey, information was obtained only from *schools and colleges* by postal survey.

In addition information has also been gathered during a number of *NCDS Special Sub-studies* for samples of cohort members selected for their particular characteristics. They include studies

of children in care, adoptive children, gifted children, the children of one-parent families, handicapped school leavers, and those suffering from epilepsy, respiratory problems, and Crohn's disease.

Data available for research

The data from the NCDS follow-ups are held by the ESRC Data Archive at the University of Essex and on-line at Manchester Computing. Access to the data is open to anyone interested, although intending users are asked to commit themselves to ensuring that confidentiality is observed, and to inform the *NCDS User Support Group* about their proposed use of the data and any resulting publications, etc.

The Data Archive also hold data from a number of special sub-studies where additional data has been gathered for samples of cohort members selected for their special characteristics or circumstances.

User Group

This is open to all users of NCDS data. It provides opportunities for users to get together to explore developments, problems, and other issues of mutual interest. Ad hoc "Updates" on NCDS data and developments are circulated to members.

Membership is free on application to the NCDS User Support Group.

User Support Group

This provides advice and guidance on the use of NCDS 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 NCDS data; collects additional information; and services the User Group.

Addresses

The User Support Group can be contacted by post, 'phone, fax, or email as shown below:

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INDUSTRY FOR NCDS5 CURRENT/LAST JOB

Background

During the NCDS5 *Interview* cohort members were asked for details of their employer in order that information about industry in which they worked could be added to the data set. Information gathered in relation to the current or most recent job has now been coded using both the 1980 and the 1992 *Standard Industrial Classification (SIC)* and will shortly be made available to users through the ESRC Data Archive.

Coding procedures

Following the completion of the NCDS5 survey, responses to questions concerning employment, including job title, work done, and the nature of the employer's business were keyed to disk. For the purposes of the coding of industry the coder was provided with a PC database (an Rbase application) which displayed all the details recorded for each cohort member. The coder was required to allocate a unique code for both the 1992 and 1980 SIC drawing on all the information provided and with the following priorities:

1. The x where information supplied was sufficient
2. The y where 1 was not possible
3. The z where 1 and 2 were not possible
4. A code indicating why 1-3 were not allocated ("Does not apply"/"Not answered"/"Insufficient information").

The majority of the coding was undertaken by Denise Brown and was subsequently checked by Peter Shepherd.

Coding frames

Summaries of the 1992 and 1980 *Standard Industrial Classifications* are provided in Appendices 1 and 2 below. For full details see:

- Central Statistical Office (1992) *Standard Industrial Classification of economic activities 1992*. London: HMSO.
- Central Statistical Office (1981) *Standard Industrial Classification, revised 1980*. London: HMSO.

Format of codes

The format of codes employed for NCDS5 differs slightly from that used by the 1991 and 1980 SIC. The format of the coding employed is as follows:

	SIC Code	NCDS5 Code
1991 SIC	xx xx/n	Xxxxn
	xx xx	xxxx0
1980 SIC	xxxx	Xxxx

NB: Coding is as detailed as information supplied would permit. Trailing "0"s (eg: xxx00, xx000) indicate that information was insufficient to allow more detailed coding.

Availability of data

The "Industry" data for the NCDS cohort member's Current/Most recent job as recorded during the NCDS5 survey in 1991 is available as an SPSS "portable" format dataset. A summary of the contents of the dataset is given in Table 1 below. Additional details are given in Appendix 3.

Table 1: Summary of contents of the NCDS5 "Industry" dataset

SERIAL	NCDS Serial Numbers
SIC92	SIC 1992 - xx.xx/1=xxxxx
SIC80	SIC 1980 - xxxx=xxxx

The dataset is available to researchers on application to the NCDS User Support Group.

Ultimately, this dataset will be included on the NCDS1-5 SIR Data Base.

Appendix 1: Standard Industrial Classification of Economic Activities 1992 (SIC 1992)

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

Sections *Subsections and Divisions*

SECTION A AGRICULTURE, HUNTING AND FORESTRY
SECTION B FISHING
SECTION C MINING AND QUARRYING
SECTION D MANUFACTURING
SECTION E ELECTRICITY, GAS AND WATER SUPPLY
SECTION F CONSTRUCTION
SECTION G WHOLESALE AND RETAIL TRADE, REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS
SECTION H HOTELS AND RESTAURANTS
SECTION I TRANSPORT, STORAGE AND COMMUNICATION
SECTION J FINANCIAL INTERMEDIATION
SECTION K REAL ESTATE, RENTING AND BUSINESS ACTIVITIES
SECTION L PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY
SECTION M EDUCATION
SECTION N HEALTH AND SOCIAL WORK
SECTION O OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICE ACTIVITIES
SECTION P PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS
SECTION Q EXTRA-TERRITORIAL ORGANISATIONS AND BODIES

SECTION A AGRICULTURE, HUNTING AND FORESTRY
SECTION B FISHING
SECTION C MINING AND QUARRYING
Subsection CA Mining and quarrying of energy producing materials
Subsection CB Mining and quarrying except energy producing materials
SECTION D MANUFACTURING
Subsection DA Manufacture of food products beverages and tobacco
Subsection DB Manufacture of textiles and textile products
Subsection DC Manufacture of leather and leather products
Subsection DD Manufacture of wood and wood products
Subsection DE Manufacture of pulp, paper products; publishing and printing
Subsection DF Manufacture of coke, refined petroleum products and nuclear fuel
Subsection DG Manufacture of chemicals, chemical products and man-made fibres
Subsection DH Manufacture of rubber and plastic products
Subsection DI Manufacture of other non-metallic mineral products
Subsection DJ Manufacture of basic metals and fabricated metal products
Subsection DK Manufacture of machinery and equipment not elsewhere classified
Subsection DL Manufacture of electrical and optical equipment
Subsection DM Manufacture of transport equipment
Subsection DN Manufacturing not elsewhere classified
SECTION E ELECTRICITY, GAS AND WATER SUPPLY
SECTION F CONSTRUCTION
SECTION G WHOLESALE AND RETAIL TRADE, REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS
SECTION H HOTELS AND RESTAURANTS
SECTION I TRANSPORT, STORAGE AND COMMUNICATION
SECTION J FINANCIAL INTERMEDIATION

SECTION K REAL ESTATE, RENTING AND BUSINESS ACTIVITIES
SECTION L PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY
SECTION M EDUCATION
SECTION N HEALTH AND SOCIAL WORK
SECTION O OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICE ACTIVITIES
SECTION P PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS
SECTION Q EXTRA-TERRITORIAL ORGANISATIONS AND BODIES

SECTION A AGRICULTURE, HUNTING AND FORESTRY
 01 Agriculture, Hunting and Related Service Activities
 02 Forestry, Logging and Related Service Activities

SECTION B FISHING
 05 Fishing, Operation of Fish Hatcheries and Fish Farms; Service Activities Incidental to Fishing

SECTION C MINING AND QUARRYING
Subsection CA Mining and quarrying of energy producing materials
 10 Mining of Coal and Lignite; Extract of Peat
 11 Extraction of Crude Petroleum and Natural Gas; Service Activities Incidental to Oil and Gas Extraction Excluding Surveying
 12 Mining of Uranium and Thorium Ores
Subsection CB Mining and quarrying except energy producing materials
 13 Mining of Metal Ores
 14 Other Mining and Quarrying

SECTION D MANUFACTURING
Subsection DA Manufacture of food products beverages and tobacco
 15 Manufacture of Food Products and Beverages
 16 Manufacture of Tobacco Products
Subsection DB Manufacture of textiles and textile products
 17 Manufacture of Textiles
 18 Manufacture of Wearing Apparel; Dressing and Dyeing Fur
Subsection DC Manufacture of leather and leather products
 19 Tanning and Dressing of Leather; Manufacture of Luggage, Handbags, Saddlery, Harness and Footwear
Subsection DD Manufacture of wood and wood products
 20 Manufacture of Wood and of Products of Wood and Cork, Except Furniture; Manufacture of Articles of Straw and Plaiting Materials
Subsection DE Manufacture of pulp, paper products; publishing and printing
 21 Manufacture of Pulp, Paper and Paper Products; Publishing and Printing
 22 Publishing, Printing and Reproduction of Recorded Media
Subsection DF Manufacture of coke, refined petroleum products and nuclear fuel
 23 Manufacture of Coke, Refined Petroleum Products and Nuclear Fuel
Subsection DG Manufacture of chemicals, chemical products and man-made fibres
 24 Manufacture of Chemicals and Chemical Products
Subsection DH Manufacture of rubber and plastic products
 25 Manufacture of Rubber and Plastic Products
Subsection DI Manufacture of other non-metallic mineral products
 26 Manufacture of Other Non-metallic Mineral Products
Subsection DJ Manufacture of basic metals and fabricated metal products
 27 Manufacture of Basic Metals
 28 Manufacture of Fabricated Metal Products, Except Machinery and Equipment
Subsection DK Manufacture of machinery and equipment not elsewhere classified
 29 Manufacture of Machinery and Equipment Not Elsewhere Classified
Subsection DL Manufacture of electrical and optical equipment

30	Manufacture of Office Machinery and Computers
31	Manufacture of Electrical Machinery and Apparatus Not Elsewhere Classified
32	Manufacture of Radio, Television and Communication Equipment and Apparatus
33	Manufacture of Medical, Precision and Optical Instruments, Watches and Clocks
Subsection DM	Manufacture of transport equipment
34	Manufacture of Motor Vehicles, Trailers and Semi-trailers
35	Manufacture of Other Transport Equipment
Subsection DN	Manufacturing not elsewhere classified
36	Manufacture of Furniture, Manufacturing Not Elsewhere Classified
37	Recycling
SECTION E	ELECTRICITY, GAS AND WATER SUPPLY
40	Electricity, Gas, Steam and Hot Water Supply
41	Collection, Purification and Distribution of Water
SECTION F	CONSTRUCTION
45	Construction
SECTION G	WHOLESALE AND RETAIL TRADE, REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS
50	Sale, Maintenance and Repair of Motor vehicles and Motorcycles; Retail Sale of Automotive Fuel
51	Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles
52	Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Personal and Household Goods
SECTION H	HOTELS AND RESTAURANTS
55	Hotels and Restaurants
SECTION I	TRANSPORT, STORAGE AND COMMUNICATION
60	Land Transport; Transport via Pipelines
61	Water Transport
62	Air Transport
63	Supporting and Auxiliary Transport Activities; Activities of Travel Agencies
64	Post and Telecommunications
SECTION J	FINANCIAL INTERMEDIATION
65	Financial Intermediation, Except Insurance and Pension Funding
66	Insurance and Pension Funding, Except Compulsory Social Security
67	Activities Auxiliary to Financial Intermediation
SECTION K	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES
70	Real Estate Activities
71	Renting of Machinery and Equipment Without Operator and of Personal and Household Goods
72	Computer and Related Activities
73	Research and Development
74	Other Business Activities
SECTION L	PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY
75	Public Administration and Defence; Compulsory Social Security
SECTION M	EDUCATION
80	Education
SECTION N	HEALTH AND SOCIAL WORK
85	Health and Social Work
SECTION O	OTHER COMMUNITY, SOCIAL AND PERSONAL ACTIVITIES
90	Sewage and Refuse Disposal, Sanitation and Similar Activities
91	Activities of Membership Organisations Not Elsewhere Classified
92	Recreational, Cultural and Sporting Activities
93	Other Service Activities
SECTION P	PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS
95	Private Households with Employed Persons
SECTION Q	EXTRA-TERRITORIAL ORGANISATIONS AND BODIES
99	Extra-territorial Organisations and Bodies

01 Agriculture, Hunting and Related Service Activities
 02 Forestry, Logging and Related Service Activities
 05 Fishing, Operation of Fish Hatcheries and Fish Farms; Service
 Activities Incidental to Fishing
 10 Mining of Coal and Lignite; Extract of Peat
 11 Extraction of Crude Petroleum and Natural Gas; Service
 Activities Incidental to Oil and Gas Extraction Excluding
 Surveying
 12 Mining of Uranium and Thorium Ores
 13 Mining of Metal Ores
 14 Other Mining and Quarrying
 15 Manufacture of Food Products and Beverages
 16 Manufacture of Tobacco Products
 17 Manufacture of Textiles
 18 Manufacture of Wearing Apparel; Dressing and Dyeing Fur
 19 Tanning and Dressing of Leather; Manufacture of Luggage,
 Handbags, Saddlery, Harness and Footwear
 20 Manufacture of Wood and of Products of Wood and Cork, Except
 Furniture; Manufacture of Articles of Straw and Plaiting
 Materials
 21 Manufacture of Pulp, Paper and Paper Products; Publishing and
 Printing
 22 Publishing, Printing and Reproduction of Recorded Media
 23 Manufacture of Coke, Refined Petroleum Products and Nuclear Fuel
 24 Manufacture of Chemicals and Chemical Products
 25 Manufacture of Rubber and Plastic Products
 26 Manufacture of Other Non-metallic Mineral Products
 27 Manufacture of Basic Metals
 28 Manufacture of Fabricated Metal Products, Except Machinery and
 Equipment
 29 Manufacture of Machinery and Equipment Not Elsewhere Classified
 30 Manufacture of Office Machinery and Computers
 31 Manufacture of Electrical Machinery and Apparatus Not Elsewhere
 Classified
 32 Manufacture of Radio, Television and Communication Equipment and
 Apparatus
 33 Manufacture of Medical, Precision and Optical Instruments,
 Watches and Clocks
 34 Manufacture of Motor Vehicles, Trailers and Semi-trailers
 35 Manufacture of Other Transport Equipment
 36 Manufacture of Furniture, Manufacturing Not Elsewhere Classified
 37 Recycling
 40 Electricity, Gas, Steam and Hot Water Supply
 41 Collection, Purification and Distribution of Water
 45 Construction
 50 Sale, Maintenance and Repair of Motor vehicles and Motorcycles;
 Retail Sale of Automotive Fuel
 51 Wholesale Trade and Commission Trade, Except of Motor Vehicles
 and Motorcycles
 52 Retail Trade, Except of Motor Vehicles and Motorcycles; Repair
 of Personal and Household Goods
 55 Hotels and Restaurants
 60 Land Transport; Transport via Pipelines
 61 Water Transport
 62 Air Transport
 63 Supporting and Auxiliary Transport Activities; Activities of
 Travel Agencies
 64 Post and Telecommunications
 65 Financial Intermediation, Except Insurance and Pension Funding
 66 Insurance and Pension Funding, Except Compulsory Social Security
 67 Activities Auxiliary to Financial Intermediation
 70 Real Estate Activities

71	Renting of Machinery and Equipment Without Operator and of Personal and Household Goods
72	Computer and Related Activities
73	Research and Development
74	Other Business Activities
75	Public Administration and Defence; Compulsory Social Security
80	Education
85	Health and Social Work
90	Sewage and Refuse Disposal, Sanitation and Similar Activities
91	Activities of Membership Organisations Not Elsewhere Classified
92	Recreational, Cultural and Sporting Activities
93	Other Service Activities
95	Private Households with Employed Persons
99	Extra-territorial Organisations and Bodies

Appendix 2: Standard Industrial Classification (Revised 1980) DIVISIONS and CLASSES

See: Central Statistical Office (1981) *Standard Industrial Classification, revised 1980*.
London: HMSO

0 AGRICULTURE, FORESTRY AND FISHING
1 ENERGY AND WATER SUPPLY INDUSTRIES
2 EXTRACTION OF MINERALS AND ORES OTHER THAN FUELS; MANUFACTURE OF METALS, MINERAL PRODUCTS AND CHEMICALS
3 METAL GOODS, ENGINEERING AND VEHICLE INDUSTRIES
4 OTHER MANUFACTURING INDUSTRIES
5 CONSTRUCTION
6 DISTRIBUTION, HOTELS AND CATERING; REPAIRS
7 TRANSPORT AND COMMUNICATION
8 BANKING, FINANCE, INSURANCE, BUSINESS SERVICES AND LEASING
9 OTHER SERVICES

0 AGRICULTURE, FORESTRY AND FISHING
01 Agriculture and Horticulture
02 Forestry
03 Fishing

1 ENERGY AND WATER SUPPLY INDUSTRIES
11 Coal extraction and manufacture of solid fuels
12 Coke ovens
13 Extraction of mineral oil and natural gas
14 Mineral oil processing
15 Nuclear fuel production
16 Production and distribution of electricity, gas and other forms of energy
17 Water supply industry

2 EXTRACTION OF MINERALS AND ORES OTHER THAN FUELS; MANUFACTURE OF METALS, MINERAL PRODUCTS AND CHEMICALS
21 Extraction and preparation of metalliferous ores
22 Metal manufacturing
23 Extraction of minerals not elsewhere specified
24 Manufacture of non-metallic mineral products
25 Chemical industry
26 Production of man-made fibres

3 METAL GOODS, ENGINEERING AND VEHICLE INDUSTRIES
31 Manufacture of metal goods not elsewhere specified
32 Mechanical Engineering
33 Manufacture of office machinery and data processing equipment
34 Electrical and electronic engineering
35 Manufacture of motor vehicles and parts thereof
36 Manufacture of other transport equipment
37 Instrument engineering

4 OTHER MANUFACTURING INDUSTRIES
41/42 Food, drink and tobacco manufacturing industries
43 Textile industry
44 Manufacture of leather and leather goods
45 Footwear and clothing industries
46 Timber and wooden furniture industries
47 Manufacture of paper and paper products; printing and publishing
48 Processing of rubber and plastics
49 Other manufacturing industries

5 CONSTRUCTION

50 Construction
 6 DISTRIBUTION, HOTELS AND CATERING; REPAIRS
 61 Wholesale distribution (except dealing in scrap and waste materials)
 62 Dealing in scrap and waste materials
 63 Commission agents
 64/65 Retail distribution
 66 Hotels and catering
 67 Repair of consumer goods and vehicles

7 TRANSPORT AND COMMUNICATION
 71 Railways
 72 Other inland transport
 74 Sea transport
 75 Air transport
 76 Supporting services to transport
 77 Miscellaneous transport services and storage not elsewhere specified
 79 Postal services and telecommunications

8 BANKING, FINANCE, INSURANCE, BUSINESS SERVICES AND LEASING
 81 Banking and finance
 82 Insurance, except for compulsory social security
 83 Business services
 84 Renting of movables
 85 Owning and dealing in real estate

9 OTHER SERVICES
 91 Public administration, national defence and compulsory social security
 92 Sanitary services
 93 Education
 94 Research and development
 95 Medical and other health services: Veterinary services
 96 Other services provided to the general public
 97 Recreational services and other cultural services
 98 Personal services
 99 Domestic services
 00 Diplomatic representation, international organisations, allied armed forces

Appendix 3: Summary of the contents of the NCDS5 SIC dataset

Portable file: sic.t1.exp
File label: NCDS5: SIC for Current/Most Recent Job - UNCHECKED TEST DATA!
Variables: 3
Number of cases: 7,207
File size: 1,616 records (129,280 bytes)

Defined Variables

SERIAL SIC92 SIC80

Name	Position	Label
SERIAL	1	NCDS Serial Numbers
SIC92	2	SIC 1992 - xx.xx/1=xxxxx
SIC80	3	SIC 1980 - xxxx=xxxx

Data dictionary

Name

SERIAL	NCDS Serial Numbers
	Print Format: A7
	Write Format: A7
SIC92	SIC 1992 - xx.xx/1=xxxxx
	Print Format: F5
	Write Format: F5
	Value Label
	-3 Does not apply
	-2 Not answered
	-1 Insufficient information
SIC80	SIC 1980 - xxxx=xxxx
	Print Format: F4
	Write Format: F4
	Value Label
	-3 Does not apply
	-2 Not answered
	-1 Insufficient information

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