Data Note 5

Subjects of NCDS5
Qualifications and Courses

Peter Shepherd
INTRODUCTION

This *NCDS Data Note* reports on work done to improve the quality of the data available for the fifth follow-up of the *National Child Development Study (NCDS5)*. It reports on the considerable work done at the University of Manchester to code details of the subjects of qualifications and courses reported during the NCDS5 interview, and 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 outline of the coding undertaken and the nature of the enhanced data which is available.
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 where 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 cohabitees**. 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** at the Centre for Longitudinal Studies 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.

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

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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/Ncgs/mainncds.htm
SUBJECTS OF NCDS5 QUALIFICATIONS AND COURSES

Background

During the NCDS5 survey cohort members were asked at interview about the qualifications they held, and the courses they had followed to obtain qualifications, training courses and leisure courses. This included details of the subject(s) of courses followed. Following the completion of the NCDS5 survey the text of the subject descriptions was keyed to disk and subsequently made available through the ESRC Data Archive. More recently this data has been reviewed and coded to facilitate analysis. This work was funded by the Department of Employment and undertaken by the University of Manchester.

A list of questions for which subject information was keyed to disk and subsequently coded is given in Table 1 below.

Table 1: NCDS5 questions on the subjects of qualifications and courses

<table>
<thead>
<tr>
<th>Question</th>
<th>Topic</th>
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<tbody>
<tr>
<td>B05a)</td>
<td>Highest qualification course since sixteen</td>
</tr>
<tr>
<td>B05a)</td>
<td>Second highest qualification course since sixteen</td>
</tr>
<tr>
<td>B13a)</td>
<td>Most recent training course since sixteen</td>
</tr>
<tr>
<td>B13a)</td>
<td>Second most recent training course since sixteen</td>
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<tr>
<td>B13a)</td>
<td>Third most recent training course since sixteen</td>
</tr>
<tr>
<td>B21c)</td>
<td>Leisure courses since sixteen</td>
</tr>
<tr>
<td>B22a)</td>
<td>Other City &amp; Guild qualification held</td>
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<tr>
<td>B22a)</td>
<td>Other qualifications held 1-3</td>
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</table>

Coding frame

The subject coding frame employed was derived from the GHS-based frame used for coding subject information for the NCDS4 survey, modified to include subjects which did not appear to fit. A copy of this frame is given in Appendix 1.

Many courses were recorded as just 'engineering'; these were coded as ‘General and other engineering’ (147).

Similarly, if a subject was given as just 'management' it was coded as 'Other management' (486).

‘Leisure’ (713) includes sports which people did at evening classes.

Word processing courses were coded as ‘Clerical’ (491).
Data available

The subject codings have been set up as an SPSS ‘portable’ file. A summary of the contents of the dataset is given in Table 2 below.

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

Table 2: NCDS5 Subject variables

<table>
<thead>
<tr>
<th>Variable name*</th>
<th>Label</th>
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<tbody>
<tr>
<td>SERIAL</td>
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</tr>
<tr>
<td>QB05A1</td>
<td>Subject - Highest qual course since 3/81</td>
</tr>
<tr>
<td>QB05A2</td>
<td>Subject - 2nd highest qual course since 3/81</td>
</tr>
<tr>
<td>QB13A1</td>
<td>Subject - Most recent training course since 3/81</td>
</tr>
<tr>
<td>QB13A2</td>
<td>Subject - 2nd most recent training course since 3/81</td>
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<td>QB13A3</td>
<td>Subject - 3rd most recent training course since 3/81</td>
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<td>QB21C01</td>
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<td>QB21C02</td>
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<td>QB21C03</td>
<td>Subject - Leisure course since 3/81 #3</td>
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<td>QB21C04</td>
<td>Subject - Leisure course since 3/81 #4</td>
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<td>QB21C09</td>
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<td>QB21C16</td>
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<td>QB22A17</td>
<td>Subject - Other City &amp; Guild qual held</td>
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<td>QB22A34</td>
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<td>QB22A35</td>
<td>Subject - Other qual held #2</td>
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<tr>
<td>QB22A36</td>
<td>Subject - Other qual held #3</td>
</tr>
</tbody>
</table>

Notes: * Variable names have the general form:
Q(Section)(Question number)(Question part)(nth subject mentioned)

eg: B21c “What subjects have you studied on this (leisure) course?” has the variable names QB21C01 - QB21C16. These variables provide coding for up to 16 named subjects. The first named subject has a variable name derived as follows:
Q(B)(21)(C)(01) = QB21C01

Further details of the dataset are given in Appendix 2.
Appendix 1: Coding frame for NCDS5 Subjects

The subject coding frame employed for NCDS5 was derived from the GHS-based frame used for coding subject information for the NCDS4 survey, modified to include subjects identified by NCDS5 respondents which did not appear to fit the earlier frame.

EDUCATION

1. Education/Teacher training
2. Teaching methods
3. Programmed learning
4. Audio-visual aids
5. Other education/teaching
6. Education combinations
7. Education combined with other groups

MEDICINE, DENTISTRY AND ANCILLIARY HEALTH SUBJECTS

10. Pharmacy
11. Pharmacology
12. Medicine
13. Dentistry

Ancillary Health Subjects

14. Air Pollution
15. Cardiography
16. Chiropody
17. Cleaning Science
18. Dental nurse and Assistants
19. Dental technicians
20. Dietetics
21. Dispensing assistants
22. Dispensing opticians
23. Dispensing technicians
24. Food inspection, analysis and hygiene
25. Health visitors
26. Manicure and pedicure
27. Meat inspection
28. Medical certificate
29. Medic laboratory technicians
30. Nursing(medical)
31. Nursery nursing
32 Nutrition
33 Ophthalmic opticians
34 Physiological Measurement technician
35 Physiotherapy
36 Pre-nursing
37 Public-Health inspection
38 Sanitary inspection
39 Radiography
40 Smoke control
41 Speech therapy
42 Surgical laboratory technicians
43 Other health subjects
44 Health and safety
45 Health combinations
46 Health combined with other groups
47 Occupational therapy

ENGINEERING

50 Aeronautical engineering
51 Aeronautics
52 Aerodynamics
53 Aerostructure
54 Aero engineering and space technology
55 Aircraft electrical power systems
56 Aircraft electronic devices
57 Astronautics
58 Flight Control
59 Guided Missiles

60 Agricultural engineering
61 Farm machinery maintenance
62 Horticultur machinery maintenance

64 Automobile engineering

65 Motor bodywork
66 Motor vehicle electricians
67 Motor vehicle engineering
68 Motor vehicle mechanics
69 Motor vehicle technicians
70 Motor vehicle painting
71 Motor vehicle repair and maintenance
72 Panel beating
73 Vehicle body building
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>74</td>
<td>Chemical engineering and technology</td>
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<tr>
<td>75</td>
<td>Chemical plant operation</td>
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<tr>
<td>76</td>
<td>Chemical technicians</td>
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<tr>
<td>77</td>
<td>Chemical technology</td>
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<td>78</td>
<td>Gas engineering</td>
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<td>79</td>
<td>Process plant operation</td>
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<td>80</td>
<td>Civil engineering</td>
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<td>81</td>
<td>Civil engineering (gas)</td>
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<td>82</td>
<td>Municipal engineering</td>
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<td>83</td>
<td>Traffic engineering</td>
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<tr>
<td>84</td>
<td>Land economics</td>
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<tr>
<td>85</td>
<td>Electrical engineering</td>
</tr>
<tr>
<td>86</td>
<td>Cable jointing</td>
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<tr>
<td>87</td>
<td>Electrical fitting</td>
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<tr>
<td>88</td>
<td>Electrical installation</td>
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<td>89</td>
<td>Electronics</td>
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<td>90</td>
<td>Electronic engineering</td>
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<td>91</td>
<td>Electronic servicing</td>
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<td>92</td>
<td>Illuminating engineering</td>
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<td>93</td>
<td>Radar</td>
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<td>94</td>
<td>Radio and television</td>
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<td>95</td>
<td>Radio, television and tape recorders (amateur)</td>
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<tr>
<td>96</td>
<td>Radio, television and tape recorders servicing</td>
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<tr>
<td>97</td>
<td>Telecommunications</td>
</tr>
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<td>98</td>
<td>Marine engineering</td>
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<td>99</td>
<td>Mechanical engineering</td>
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<td>100</td>
<td>Fabrication of steelwork</td>
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<td>101</td>
<td>Hydraulics</td>
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<td>102</td>
<td>Mechanical engineering craft practice</td>
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<td>103</td>
<td>Mechanical engineering technicians</td>
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<tr>
<td>104</td>
<td>Mechanical engineering inspection</td>
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<tr>
<td>105</td>
<td>Rail carriage building</td>
</tr>
<tr>
<td>106</td>
<td>Refrigeration engineering</td>
</tr>
<tr>
<td>107</td>
<td>Workshop technology and practice</td>
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<tr>
<td>108</td>
<td>Naval architecture and shipbuilding</td>
</tr>
<tr>
<td>109</td>
<td>Ship building</td>
</tr>
</tbody>
</table>
110 Ship joinery
111 Ship plumbing
112 Yacht and boat building

113 Production engineering

147 General and other engineering

114 Precision engineering
115 Ergonomics
116 Materials handling
117 Audio-vis technicians
118 General engineering
119 Combined engineering
120 Control engineering
121 Blacksmithing
122 Boiler house practice
123 Boilermaking
124 Corrosion engineering
125 Engineering drawing
126 Engineering planning, estimating and costing
127 Engineering science
128 Fire engineering
129 Heating and ventilating engineering
130 Industrial engineering
131 Industrial radiography
132 Mill engineering and services
133 Instrument engineering and maintenance
134 Metal finishing and electro-chemistry
135 Metal plate work
136 Metrology
137 Miscellaneous engineering
138 Nuclear engineering
139 Pipework engineering
140 Press tool making
141 Pressure vessel design
142 Scientific instrument manufacture (including optical instruments)
143 Sheet metal work
144 Textile engineering
145 Watch and clock manufacture
146 Welding
147 General and other engineering
148 Engineering combinations
149 Engineering & technology combinations
150 Engineering in combination with other groups (except technology)
TECHNOLOGY

160  Building

161  Bricklaying
162  Building economics
163  Building foremanship
164  Building inspection
165  Building technology
166  Builders quantities
167  Carpentry and joinery
168  Clerks of works
169  Concrete practice
170  Concrete technology
171  Construction, plant maintenance and repair of
172  Furnace brickwork
173  Gas fitters work
174  Glazing and allied trades
175  Heating and ventilation (installation and fitting)
176  Highways and works superintendents
177  Industrial safety officers
178  Masonry
179  Mastic asphalt work
180  Painting and decorating
181  Plasterers work
182  Plumbing and sanitary engineering
183  Roadwork (road masons and paviors)
184  Roof slating and tiling
185  Shopfitting
186  Structural engineering
187  Wall and floor tiling (including terrazo and mosaic work)

188  Clothing and footwear

189  Boot and shoe manufacture and repair
190  Dress manufacture
191  Embroidery and lace manufacture
192  Hosiery and knitted goods manufacture
193  Millinery (other than domestic)
194  Tailoring (other than domestic)
196 Food technology and manufacture
197 Bakery and flour confectionery
198 Brewing
199 Chocolate and sugar confectionery
200 Flour milling
201 Milk pasteurisation, processing and distribution

202 Fuel and petroleum technology
203 Coal processing
204 Gas manufacture and utilisation
205 Petroleum and petroleum products

206 Metal technology
207 Metallurgy
208 Foundry technology
209 Foundry practice
210 Iron and steel manufacture
211 Metallurgical technicians
212 Non-ferrous metal manufacture
213 Patternmaking

214 Mining and quarrying
215 Colliery electricians
216 Colliery mechanics
217 Mineral engineering
218 Mining engineering
219 Mining deputies and managers
220 Mining geology

221 Offshore engineering and technology

222 Printing and book production
223 Printing
224 Book production
225 Book binding
226 Electro and stereotyping
227 Line composition
228 Lithographic printing
229 Monotype casters work
230 Monotype composition
231 Photo engraving
232 Photogravure
233 Photo-lithography
234 Print administration
235 Printing ink technicians
236 Printing technicians
237 Printing warehouse practice
238 Publishers edition binding
239 Technical authorship and illustration
240 Typographical design
241 Typography
242 Surveying/Valuation
243 Mine surveying
244 Quantity surveying
245 Cartography
246 Textile technology and manufacture
247 Carpet and upholstery fabric manufacture
248 Cotton manufacture
249 Silk manufacture
250 Synthetic textile manufacture
251 Textile merchanting (where course has technological content)
252 Textile printing
253 Textiles, general
254 Woollen and worsted manufacture and weaving
255 Other textile manufacture
256 General and other technology and manufacture, (see also 282 and 283)
257 Acoustics
258 Brickmaking
259 Ceramics technology and manufacture
260 Cybernetics (industrial)
261 Furniture and upholstery manufacture
262 Leather technology
263 Leather and leather goods manufacture, dyeing and finishing)
264 Kiln burning
265 Gemmology
266 Goldsmiths and silversmiths work (excluding design)
267 Instrument technology
268 Jewellery manufacture
269 Musical instrument manufacture
270 Paint technology
271 Pottery manufacture
272 Paper science
273 Paper technology
274 Plastics technology
275 Polishing and Sanding
276 Rubber workshop practice
277 Rubber technology
278 Synthetic fibre manufacture
279 Timber technology
280 Tobacco processing
281 Woodcutting machinists work
282 Other manufacturing
283 Other technology

284 Technology combinations
285 Combinations of engineering and/or technology with other groups

AGRICULTURE, FORESTRY AND VETERINARY SCIENCE

300 Agricultural chemistry

301 Agriculture (see also 314-379)

302 Agricultural economics
303 Animal husbandry
304 Beekeeping
305 Dairying
306 Farm records and accounts
307 Farm organisation and management
308 Gardening
309 Greenkeeping
310 Horticulture
311 Poultry
312 Rural saddlery
313 Fish farming

314 Agricultural biology

315 Agricultural biochemistry
316 Agricultural botany
317 Agricultural science
318 Agricultural zoology
319 Animal genetics
320 Plant taxonomy
321 Soil chemistry
322 Soil science

323 Forestry
<table>
<thead>
<tr>
<th>Code</th>
<th>Section</th>
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<tbody>
<tr>
<td>324</td>
<td>Arboriculture</td>
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<td>325</td>
<td>Sylviculture</td>
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<td>326</td>
<td>Forestry management</td>
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<td>327</td>
<td>Timber felling and sawmilling</td>
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<td>328</td>
<td>Timber merchanting</td>
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<td>Tree nursery work</td>
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<td>330</td>
<td>Veterinary sciences</td>
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<td>331</td>
<td>Animal nursing</td>
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<td>332</td>
<td>Animal technicians</td>
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<td>333</td>
<td>Agricultural combinations</td>
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<tr>
<td>334</td>
<td>Agricultural and other group combinations</td>
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<td>350</td>
<td>Biological sciences</td>
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<td>Physiology and anatomy</td>
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<td>Zoology</td>
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<td>371</td>
<td>Spectroscopy</td>
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<td>372</td>
<td>Chemistry as applied to textile industry</td>
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<td>373</td>
<td>Dyeing of textiles</td>
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<td>374</td>
<td>Polymer chemistry</td>
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<td>Colour chemistry</td>
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<td>Applied mathematics</td>
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<td>Decimalisation</td>
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<td>398</td>
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<td>Combinations of physical sciences other than maths/physics</td>
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<td>Combinations of sciences with other subjects</td>
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**SOCIAL, ADMINISTRATIVE AND BUSINESS SUBJECTS**
420 Economics
421 Economic sciences and statistics
422 Economic history
423 Economic organisation
424 Industrial economics
425 Geography
426 Law
427 Legal executives
428 Social Sciences
429 Sociology
430 Humanities and social studies
431 Industrial relations
432 Social administration
433 Social Work
434 Careers guidance
435 Youth and community service/Youth work
436 Youth employment and vocational guidance
437 Psychology
438 Social anthropology
439 Other economics, law or social sciences
440 Combinations of economics, law and social sciences
441 Accountancy, banking and insurance
442 Accountancy
443 Book-keeping
444 Law accounting
445 Cost and works accounting
446 Actuarial studies
447 Banking and currency
448 Insurance
449 Municipal treasurers and accountants
450 Stock exchange practice
451 Taxation
452 Government and public administration
453 Civil defence
454 Central government
455 Fire service
Hospital/health administration
International relations
Local government
Police
Political science

Management and management science

Administration, general
Business administration
Company secretary practice
Computer systems analysis
Cybernetics (management)
Industrial administration
Industrial foremanship
Industrial organisation
Industrial training
Information science
Organisation and methods
Management, construction
Management, estate
Management, housing
Management, office
Management, personnel
Management, production
Management, works
Management, sales
Marketing and sales management
Operational research
Quality control
Time and motion study
Work Study
Other administrative and management studies
Supervisory studies

Secretarial/clerical studies

Agricultural secretaires
Clerical
Personal Assistant
Shorthand/typing
Typing
Medical secretaries

Other social administrative and business subjects

Advertising
497    Business studies
498    Commerce (including combined commerce and secretarial)
499    Business machine operation
500    Commercial travelling
517    Computing
501    Computer languages
502    Computer operation
503    Computer programming (general and commercial bias)
504    Data processing
505    Estate agency
506    Export practice
507    Office studies
508    Purchasing
509    Salesmanship
510    Sales representatives
511    Shipbroking
512    Switchboard operation
513    Travel/travel agency
514    Other social administrative and business subjects
515    Combinations of social, administrative, business
516    Combinations with other groups

MISCELLANEOUS PROFESSIONAL AND VOCATIONAL SUBJECTS

519    Architecture
520    Landscape architecture
521    Land use
522    Town and country planning
523    Conservation (of buildings)
524    Rural and regional resources planning
525    Catering and institutional management
526    Catering, basic trades
527    Cookery for hotel catering trades
528    Hotel and catering
529    Hotel book-keeping and reception
530    Institutional management and housekeeping
531    Licenced house staff
532    Preliminary trade cookery
533    Waiters and hotel assistants
534    Institutional catering and housekeeping
535    Home economics
536    Domestic science/dress and design
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<td>General and undefined distribution</td>
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<td>Librarianship</td>
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<td>Trichology</td>
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<td>Photography</td>
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576  General and liberal studies
578  Civics
579  Current affairs
580  Modern studies
581  Miscellaneous professional and vocational n.e.c.
582  Combination of professional and vocational
583  Combination with other groups

LANGUAGES

600  English language and literature
601  English for foreign students
602  Gaelic and other Celtic languages
603  French
604  German
605  French/German
606  Spanish
607  Danish
608  Dutch
609  Italian
610  Norwegian
611  Portugese
612  Swedish
613  Other single West European languages
614  Russian
615  Other Central and Eastern European languages
616  Classical studies
617  Oriental, Asian and African languages
618  Other languages
619  Modern languages
620  Combined language courses (see also 625)
621  Languages with other groups

ARTS OTHER THAN LANGUAGES

650  Archaeology
651  History
652  Philosophy
653  Moral sciences
654  Logic
655  Theology
656  Arts general (where not elsewhere specified)
657  Combinations of arts with other groups
MUSIC, DRAMA AND VISUAL ARTS

669  Art and design

670  Art
671  Design
672  Art metalwork and jewellery design
673  Antiques
674  Ceramics (design)
675  Fashion design
676  Furniture design
677  Graphic design (including commercial art and illustration)
678  Handicrafts
679  History of art
680  Industrial design
681  Industrial glass design
682  Interior design
683  Lettering
684  Painting
685  Sculpture
686  Stained glass
687  Textile design
688  Window dressing and display
689  Woodcarving

699  Drama and entertainment and music

700  Drama
701  Speech
702  Cinema and film studies
703  Music
704  Music, drama, visual arts n.e.c.
705  Music, drama, visual arts combinations
OTHER CODES

706 Subject given, but can’t be classified anywhere else
707 No subject given, or illegible
708 More than one CSE and/or ‘O’ level being studied

CODES ADDED FOR NCDS5

709 Subject listed as “unacceptable” in GHS

710 Alternative medicine, including:
  - hypnotherapy
  - art therapy
  - aromatherapy
  - massage
  - reflexology
  - homeopathy
  - drama therapy

711 Driving qualification, including:
  - HGV
  - Fork-lift Truck licence
  - PSV
  - Driving instructor
  - motorcycle licence
  - side load driver
  - mercury training

713 Leisure, including:
  - RS 1 rally sports
  - Physical training
  - Basketball referee
  - Certificate of movement and dance
  - British canoe union instructors award
  - County swimming teaching certificate
  - day skipper certificate
  - British amateur gym association
  - Mountain Walker leader
  - County rock climbing foundation
  - Fellowship in dancing
  - YMCA aerobics teacher training course
  - Cricket Coaching
  - Qualified weight training instructors course
  - British Sport therapist
  - Senior instructor on Kayak
  - Rugby league coach
  - swimming coach
yacht master
British Wheel of Yoga
Other sports

715 First Aid, including:
    Life saving
    Off-shore survival
    St Johns Certificate
    Red Cross

716 Social and Caring qualifications, including: Sign language

717 Security, including:
    alarm fitting
    security guards
    use of pistols and fire arms

718 In-house training, including:
    assertiveness training
    public speaking
    report writing skills,
    evaluation and assessing staff.
    problem solving
    negotiation skills
    presentation skills

900 Not applicable

Note:

- Many courses were recorded as just 'engineering'; these were coded as ‘General and other engineering’ (147).
- Similarly, if a subject was given as just 'management' it was coded as 'Other management' (486).
- ‘Leisure’ (713) includes sports which people did at evening classes.
- Word processing courses were coded as ‘Clerical’ (491).
Appendix 2: Summary of the contents of the NCDS5 “Subjects” dataset

Portable file: subject.t2.exp
Variables: 26
Number of cases: 8,367
Input file size: 6,821 records (545,680 bytes)

Defined Variables

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Value        Label

1  Education
2  Teaching methods
3  Prog learning
4  Audio-vis aids
5  Other education
6  Ed combinations
7  Ed & other group
10  Pharmacy
11  Pharmacology
12 Medicine
13 Dentistry
14 Air Pollution
15 Cardiography
16 Chiroprody
17 Cleaning Science
18 Dental nurse
19 Dental tech
dietetics
dispensng asst
dispense optic
dispense tech
24 Food inspection
25 Health visitors
26 Manicure/Pedicur
27 Meat inspection
28 Medical cert
29 Medic lab tech
30 Nursing(med)
31 Nursery nursing
32 Nutrition
33 Ophthalmic optic
34 Physiological
35 Physiotherapy
36 Pre-nursing
37 Public-Health
38 Sanitary insp
39 Radiography
40 Smoke control
41 Speech therapy
42 Surgical lab
43 Other health
44 Health & Safety
45 Health combi
46 Health/OTH group
47 Occupat therapy
50 Aeronautical eng
51 Aeronautics
52 Aerodynamics
53 Aerostucture
54 Aero eng/space
55 Aircraft elec
56 Air elec devices
57 Astronautics
58 Flight Control
59 Guided Missiles
60 Agriculture eng
61 Farm machinery
62 Horticultur mach
64 Automobile eng
65 Motor bodywork
66 MV electrician
67 MV engineering
68 MV mechanics
69 MV technicians
70 MV painting
71 MV repair
72 Panel beating
73 V body build
74 chem eng & tech
75 chem plant ops
76 Chem technicians
77 Chem technology
78 Gas eng
79 Process plant
Ciivil eng
Civil eng(gas)
Municipal eng
Traffic eng
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235    Print ink tech
236    Printing tech
237    printing house
238    Pub edit bind
239    Tech authorship
240    Typograph design
241    Typography
242    Survey/valuation
243    Mine surveying
244    Quant surveying
245    Cartography
246    Textile tech/man
247    Carpet/Upholster
248    Cotton manufact
249    silk manufact
250    Synthetic texts
251    Textile merchant
252    Textile printing
253    Textiles,general
254    Woolen
255    other textile
256    General tech
257    Acoustics
258    Brickmaking
259    Ceramics tech
260    Cybernetics,Ind
261    Furniture manu
262    Leather tech
263    Leather goods
264    Kiln burning
265    Gemmology
266    Gold/silve smith
267    Instrument tech
268    Jewellery manu
269    Music inst man
270    Paint technology
271    Pottery manufact
272    Paper science
273    Paper technology
274    Plastics tech
275    Polish/sanding
276    Rubber workshop
277    Rubber tech
278    synthetic fibre
279    timber tech
280    Tobacco process
281    Woodcutting
282    Other manufact
283    Other technology
284    Technology combi
285    Combi eng/tech
280    Agri chemistry
281    Agriculture
282    Agri economics
283    Animal husbandry
284    Beekeeping
285    Dairying
286    Farm records
287    Farm management
288    gardening
289    Greenkeeping
290    Horticulture
291    Poultry
292    Rural saddlery
293    Fish Farming
294    Agri biology
Agri biochemist

Agri botany

Agri science

Agri zoology

Animal genetics

Plant toxonomy

Soil chemistry

Soil science

Forestry

Arboriculture

Sylviculture

Forestry mment

Timber felling

Timber merchant

Tree nursery wrk

Vet sciences

Animal nursing

Animal tecnici

Agri combi

Agri & other

Bio sciences

Applied biology

App micro bio

Biology

Bacteriology

Biological chem

botany

Genetics

Microbiology

Microscopy

Physiology

Pathology

Zoology

Biochemistry

Applied bc

Medical bc

Physiological

Chemistry

Analytical

Applied chem

Cosmetic chem

Spectroscopy

Textile chem

Textile dyeing

Polymer chem

Colour chem

Tech chem

Geology

Geophysics

Mineralogy

Mathematics

App Mathematics

Arithmetic

Computer studies

Decimalisation

Numeric analysis

Elasticity

Hydrodynamics

Probability the

Statistics

Theoretic astro

Technology maths

Systems intern

Computer science

Physics

Applied physics

Applied astronom

Mathemat physics

Nuclear physics
547  Weaving
548  Nautical studies
549  Fishing
550  Nautical catering
551  Nautical science
552  Radio-telegraphy
553  Seamanship
554  Transport
555  Air transport
556  Rail transport
557  Road transport
558  Shipping
559  Wholesale/retail
560  Retailing
561  Flower display
562  General dist
563  Grocery
564  Paper merchant
565  Retail dist
566  Retail MM
567  Stationery
568  Textile dist
569  Other proff/voc
570  Hairdressing
571  Laundry
572  Journalism
573  Libraianship
574  Trichology
575  Photography
576  Liberal studies
578  Civics
579  Current affairs
580  Modern studies
581  mis proff/voc
582  combi of 569
583  combi 569/oth
600  English lang/lit
601  English foreign
602  Gaelic/Celtic
603  French
604  German
605  French/German
606  Spanish
607  Danish
608  Dutch
609  Italian
610  Norwegian
611  Portugese
612  Swedish
613  Other West Euro
614  Russian
615  Other Euro lang
616  Classical stud
617  Orient,Asian,Af
618  Other languages
619  Modern lang
620  combi lang cours
621  combi lang/grou
650  Archaeology
651  History
652  Philosophy
653  Moral sciences
654  Logic
655  Theology
656  Arts general
657  Combi arts/other
659  Art & Design
670  Art
671  Design
Jewel design
Antiques
Ceramics
Fashion design
Furn design
Graphic design
Handicrafts
History of art
Indust design
Indust glass des
interior design
lettering
Painting
Sculpture
Stained glass
Textile design
Window dressing
Woodcarving
Drama/entertain
drama
Speech
Cinema & film
music
music,dram nec
music,drama co
Subject given
no sub given
More than 1 cse
GHS unacceptable
Alternative med
Driving qualif
Leisure
First Aid
Sign language
Security
in-house train
Appendix 3: Comments on Coding

The following comments on the coding have been supplied by the University of Manchester:

"COMMENTS ON CODING OF SUBJECTS FOR NCDS5 (AD:8/94)

The coding of subjects followed in general the NCDS subject code frame, however, if there was a need for some new categories of qualifications to be created for those subjects which did not appear to fit in the coding frame; these new classifications are given below:

In the listing files, serial numbers 513081Q, 630022B, 987084U 090011Q were listed twice in the files, however, in each case the subject given was the same.

ADDITIONAL CLASSIFICATIONS

GHS Unacceptable code 709
Subjects were coded as 709, if they were listed as unacceptable in the General Household Survey.

Alternative Medicine code 710
This included the following qualifications; hypnotherapy, art therapy, aromatherapy, massage, reflexology, homeopathy, drama therapy.

Building/Construction/Driving code 711
HGV, Fork-lift Truck licence, PSV, Driving instructor, motor cycle licence, side load driver, mercury training.

Leisure code 713
RS 1 rally sports1
Physical training
Basketball referee
Certificate of movement and dance
British canoe union instructors award
County swimming teaching certificate
day skipper certificate
British amateur gym association
Mountain Walker leader
County rock climbing foundation
Fellowship in dancing
YMCA aerobics teacher training course
Cricket Coaching
Qualified weight training instructors course
British Sport therapist
Senior instructor on Kayak
Rugby league coach
swimming coach
yacht master
British Wheel of Yoga Other sports

FIRST AID CODE 715
Life saving
Off-shore survival
St Johns Certificate
Red Cross

Social and Caring qualifications code 716
Sign language

Security code 717
alarm fitting, security guards, use of pistols and fire arms.

In-house qualifications code 718
assertiveness training, public speaking, report writing skills, evaluation and assessing staff.
problem solving
negotiation skills
presentation skills

Not applicable code 900

Cases where the subject was given as na, were coded as 900, to make it possible to differentiate between no subject given (707), GHS unacceptable (709) and na (900).

GENERAL NOTES ON THE CODING OF SUBJECTS

Many cases were labelled just 'engineering'; these were coded as general or other engineering. Similarly, if a subject was given as just 'management' it was coded 'other management' 486.

For the evening class subjects, 713 includes sports which people did at night classes.

Word processing courses were coded as clerical (491).

PROBLEM CASES

Question 5
The following serial numbers were found in the listing files qb05a1.txt and qb05a2.txt but were not in the serial numbers which were used for checking the data to make sure that it matched correctly. These have been coded but do not map into the NCDS5 database that we are using. These are:

QB05A1.TXT QB05A2.TXT
092345H 092345H
092480P 092480P
482004C 986117B
986117B 987084U
X80179J X80179J
X90016K

Question 13
The following serial numbers were in the listing files but again not in our NCDS5 database.
Question 21

The check to make sure that if a respondent had given a second qualification, they had a first qualification gave the following serial numbers as having a second and not a first:

010130W, 110191A.

There are duplicate entries for the files for q5, q13 and q22. 630022B AND 987084U."
Youth Factors and Labour Market Experience in Job Satisfaction

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Laura Woods
Neville Butler

October 2002