1970 BIRTH COHORT

THE 22 MONTH SURVEY

DESCRIPTION OF DATA DEPOSITED

WITH THE ESRC SURVEY ARCHIVE

BY

DIVISION OF EPIDEMIOLOGY

DEPARTMENT OF CHILD HEALTH

UNIVERSITY OF BRISTOL

The 1970 Birth Cohort

A longitudinal study of children born in the week
5th - 11th April, 1970.

The children have been studied at birth, at ages 5
and 10. In addition a sample were followed up at
22 months and 42 months.

Each sweep is documented separately.

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PART I.   DESCRIPTION OF 22 MONTH SURVEY

The background to the study

The experimental evidence that malnutrition in animals during the period of brain cell proliferation can lead to a permanent reduction in the number of brain cells has suggested that malnutrition in human infants might have a permanent effect on their subsequent physical and mental development (Cruise, 1973; Davies and Davis, 1970, Dobbing, 1964, Fitzhardinge and Steven, 1972; Thomson, 1970; Winick, 1969). Prolonged malnutrition is rare during postnatal life among babies in this country, but it may occur prenatally. Damage from fetal malnutrition, if irreversible, could be expected to have a depressive effect on the subsequent development of the child.

The identification of babies who suffered from fetal malnutrition is not easy. Babies of low birthweight are not a homogeneous group and include many whose weight is within normal limits for their length of gestation. Some babies are genetically small, some have abnormalities or illnesses which affect their growth, while others are retarded due to unfavourable conditions in utero. The social, biological and medical factors which led to the fetal malnutrition may in some cases continue to operate and, therefore, have a direct effect after birth on the progress of the child. Despite these considerable limitations, it was felt that there were three groups of babies which were most likely to include substantial numbers who had suffered from fetal malnutrition. The first group were the multiple births, because it was assumed that the primary, but not the only, reason for fetal malnutrition might be competition between the fetuses for available nourishment. The second group were the postmature babies, because placental growth is said to cease from the 39th week of pregnancy (Gruenwald, 1963) and thus the likelihood of fetal malnutrition occurring is increased in any baby born after term. The third group were the small-for-dates babies, by virtue of the fact that they showed evidence of fetal retardation at every gestational age.

Plan of Investigation

Method of sampling. During the week beginning 5 April 1970, a detailed survey of all births which occurred in the United Kingdom took place under the auspices of the National Birthday Trust Fund and the Royal College of Obstetricians and Gynaecologists (British Births, 1970). A stratified sample was drawn from this cohort of 16,955 livebirths as follows.

(i)   A 10% random sample of all singleton and multiple births.

(ii) All multiple births, i.e. twins. (The one set of triplets died in the first week of life).

(iii) All singleton children who were born at or later than
        42 weeks gestation whose mothers were recorded as being
        certain of the date of their last menstrual period and
        were not recorded as having taken the contraceptive pill
        for at least 15 months before childbirth.

(iv) All singleton children who were on or below the 5th
        centile of birthweight for their length of gestation,
        allowing for their sex and maternal parity, but
        regardless of whether their mother was certain or not of
        her last normal menstrual period or had taken the
        contraceptive pill. the children were identified using
        Tanner and Thomson's (1970) charts for birthweight and
        length of gestation.

All the children of mothers who stated that they
were unmarried, divorced, separated, or widowed at childbirth
were then excluded, because of the difficulties involved in
tracing and examining them.

The total sample came to 3,471 children, of whom 96
were known to have died since birth. Some of the children,
of course, belonged to more than one of the above categories.
A multiple birth could also be in the random group, a
singleton child could be in the random group, in the
postmature, or small-for-dates group, or any combination of
these.

Examination of children. The surviving children were traced
and the examinations arranged by health visitors and other
staff of the local health departments. Practically all
examinations were carried out by clinic medical officers, a
few children were seen by general practitioners and, with the
assistance of the Ministry of Defence, the children of
members of the armed forces who were living abroad were
examined by service doctors. All the health departments in
Wales and Northern Ireland took part, but three in England
and two in Scotland were unable to do so because of staff
shortages, this accounted for non-examination of 5.4% of the
children. Seven percent of the children were not seen
because the parents refused or defaulted their appointments,
while 11.1% were untraced or were traced too late for
inclusion in this first survey at 22 months. A further 2.9%
were in hospital, on holiday, or had left the country. Thus,
in all, 73% of the children from the original sample were
examined or were known to have died. Table 1 shows the
proportions examined, these did not vary significantly in the
three study groups from the random sample.

The results were recorded on a standard form. The
first part contained a limited number of questions about the
family background· most of this information was already known
from the British Births Survey. The second part was a record
of a developmental screening test. The third indicated the
height, length, weight, and head circumference of the child,
together with information on the past medical history and any
abnormalities noted on examination. The need for accuracy
was stressed and in the majority of instances these

measurements were carried out in clinics, a paper tape being provided.

Table 1

Number of surviving children in each sample group and proportion examined according to sex of child.

Sample group*	Boys			Girls			All		
	Total	% Examined		Total	% Examined		Total	% Examined	
		All ages	94-97w		All ages	94-97w		All ages	94-97w
Random	828	72.3	51.7	751	70.0	50.2	1579	71.2	51.0
Twins	163	72.4	48.5	146	70.9	53.4	309	73.8	50.8
Postmature	495	78.4	57.4	477	74.6	59.1	972	76.5	58.2
Small-for-dates	442	72.2	53.6	357	69.5	52.9	799	71.0	53.3

* These groups are not mutually exclusive and relate to 1,771 boys and 1,604 girls.

Time of examination. Arrangements had been made for the children to be examined between the ages of 94 to 97 weeks inclusive), but in the event (a power strike having intervened) only about half the total sample were examined during these 4 weeks.

To ascertain that the random sample was representative it was compared with its British Births Survey equivalent and no statistical difference was found at the 5% level for any of the following factors: mortality, birthweight, length of gestation, social class, sex, and maternal height, age, parity, and country of birth

Acknowledgement

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PART II.   DESCRIPTION OF DATA FORMAT.

The data file

This is set up in SPSS(X) format.

Coding

Throughout the following standard codes have been used

-1   not applicable (i.e. the question is not relevant to this child)

-2   not known   (i.e. the question may be relevant but the answer was specifically stated to be unknown)

-3   not stated   (i.e. no answer was given)

Number of cases

In all, there are 2,457 cases on file.

Layout of tables

Details are given for each variable on the file in the pages that follow.

First the actual question is quoted verbatim from the questionnaire, but it is advisable also to refer to the questionnaire reproduced at the end of this document.

The variable number is given in square brackets.

The code, frequency (i.e. no of children with that code) and percentage (out of 2,457) are then given for all non-continuous variables.

Matching files

This should be done only using the KEY variable.

PART III. DESCRIPTION OF THE DATA

[B0001]   Key variable

	Value	Frequency	Percent

[B0002]   Twin code

	Value	Frequency	Percent
Singleton	0	2229	90.7
First born twin	1	115	4.7
Second born twin	2	113	4.6
TOTAL		2457	100 0

Reason(s) why child is in 22 month study

[B0003]   Random control

No	0	1332	54 2
Yes	1	1125	45.8
TOTAL		2457	100 0

- -

[B0004]   Multiple birth

No	0	2229	90.7
Yes	1	228	9.3
TOTAL		2457	100.0

- -

[B0005]   Post-mature

No	0	1709	69.6
Yes	1	748	30.4
TOTAL		2457	100 0

- -

[B0006]   Small for dates

No	0	1890	76.9
Yes	1	567	23 1
TOTAL		2457	100 0

[B0007]   Age at examination (in days)

Not stated	-3	12	0.5
Not known	-2	5	0.2
Age given		2440	99.3
	TOTAL	2457	100.0

range of ages (days) = 639 - 863
median = 675

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SECTION 1: THE ENVIRONMENT

[B0008]   Q4   "Does the family live in."

Not stated	-3	2	.1
Not known	-2	1	.0
Whole house	1	2055	83.6
Self contained flat/maisonette	2	310	12.6
Rooms	3	60	2.4
Other	4	29	1.2
	TOTAL	2457	100.0

- -

[B0009]   Q4   If other in [B0008],

Not stated	-3	3	.1
Not known	-2	1	.0
Not applicable	-1	2425	98.7
Bedsit shared toilet	10	1	.0
Res. Children's Home	11	1	.0
Lives grandparent(s)	12	10	.4
Caravan	13	6	.2
Lives with in-laws	14	1	.0
Lives with a friend	17	1	.0
Lives with a cousin	18	1	.0
Shares house with other family	20	3	.1
Shares grandparent's flat	23	3	.1
Lives with maternal aunt	25	1	.0
	TOTAL	2457	100 0

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[B0010]   Q4   If <u>not a whole house</u> in [B0008], on which
                  floor? (where more than one floor given, the
                  lowest has been coded)

Not stated		-3	53	2.2
Not known		-2	3	.1
Not applicable		-1	2069	84.2
Below street level		1	6	.2
Ground floor		2	108	4.4
Above ground floor		3	199	8.1
More than one level		4	19	.8
	TOTAL		2457	100.0

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[B0011]   Q4   If <u>above ground floor</u> in [B0010], the floor of
                  the accommodation.

Not stated		-3	84	3.4
Not known		-2	3	.1
Not applicable		-1	2202	89.6
		1	87	3.5
		2	42	1.7
		3	15	.6
		4	8	.3
		5	5	.2
		8	3	.1
		9	1	.0
		10	2	.1
		11	2	.1
		12	1	.0
		15	1	.0
		17	1	.0
	TOTAL		2457	100.0

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[B0012]   Q5   "Is there a garden to play in?"

Not stated		-3	2	.1
Not known		-2	2	.1
Yes		1	2076	84.5
No		2	377	15.3
	TOTAL		2457	100.0

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[B0013]   Q5   "If <u>no</u> in [B0012], what facilities are used?"

Not stated	-3	159	6.5
Not known	-2	4	.2
Not applicable	-1	2076	84.5
Parks	1	29	1.2
Allocated play area	2	10	.4
Adventure playground	3	1	.0
Streets/yard	4	64	2.6
Other	5	114	4.6
TOTAL		2457	100.0

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[B0014]   Q5   If answer '<u>other</u>' to [B0013], which? - 1st
              description (see also B0015)

Not stated	-3	160	6.5
Not known	-2	4	.2
Not applicable	-1	2177	88.6
Stairway	10	2	.1
Backyard	11	29	1.2
Bedroom	12	7	.3
Beach	13	3	.1
Relation's garden	14	8	.3
Verandah	15	2	.1
Communal open green	16	9	.4
Friend's garden	17	2	.1
Living room	18	7	.3
Balcony	19	5	.2
No facilities available	21	31	1.3
Outside front door	22	1	.0
On roof	23	1	.0
Garage	24	1	.0
In house	25	5	.2
Farmyard	27	1	.0
Childminder	28	1	.0
Paved area in front of flats	29	1	0
TOTAL		2457	100.0

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[B0015]   Q5   If answer 'other' to [B0013], which?
            - 2nd description

Not stated	-3	257	10.5
Not known	-2	4	.2
Not applicable	-1	2177	88.6
Backyard	11	1	.0
Bedroom	12	6	.2
Relation's garden	14	1	0
Communal open green	16	1	.0
Living room	18	7	.3
Balcony	19	1	.0
Caravan	20	1	.0
Outside front door	22	1	.0
TOTAL		2457	100.0

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[B0016]   Q6   "Does the child sleep in a room.. ...   "

Not stated	-3	1	.0
Not known	-2	2	.1
On his own	1	1068	43.5
With siblings	2	820	33.4
With father and/or mother	3	511	20.8
With others (specify)	4	55	2.2
TOTAL		2457	100.0

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[B0017]   Q6   If answer 'with others' to [B0016], with whom?

Not stated	-3	2	.1
Not known	-2	2	.1
Not applicable	-1	2399	97.6
Whole family 1 room	10	37	1.5
Dormitory children's home	11	1	0
With grandmother	12	3	.1
Alternates sibs, parents	13	7	.3
With aunt or uncle	14	2	.1
With cousins	15	2	.1
With foster-sibs	16	2	.1
TOTAL		2457	100.0

Q7.   Father's occupation

"Present occupation, including a brief
description of his actual work"

[B0018]   Social class (coded using 1971 Classification
               of Occupations)

Not stated	-3	152	6.2
Not known	-2	14	.6
I	1	132	5.4
II	2	378	15.4
III NM	3	228	9.3
III M	4	1064	43.3
IV	5	377	15.3
V	6	112	4.6
TOTAL		2457	100.0

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[B0019]   Q7   "Is he self-employed?"   .

Not stated	-3	196	8.0
Not known	-2	19	.8
Yes	1	319	13.0
No	2	1923	78.3
TOTAL		2457	100.0

- -

[B0020]   Q7   If yes to [B0019], how many, if any, others
                employed by him?

Not stated	-3	3	.1
Not applicable	-1	2138	87.0
Working on his own	1	178	7.2
Employing <25 people	2	117	4.8
Employing 25+ people	3	21	.9
TOTAL		2457	100.0

- -

[B0021]   Q7   If <u>not self-employed</u> (i.e. no to [B0019]) does
                  he supervise others?

Not stated	-3	98	4.0
Not known	-2	46	1.9
Not applicable	-1	536	21 8
Yes	4	502	20.4
No	5	1275	51.9
	TOTAL	2457	100.0

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[B0022]   Q7   "Is he employed at present?"

Not stated	-3	102	4.2
Not known	-2	10	.4
Yes	1	2162	88.0
No	2	168	6.8
On strike	4	15	.6
	TOTAL	2457	100.0

[B0023]   Q7   "Is the child's mother working?"

Not stated	-3	16	.7
Not known	-2	7	.3
Not applicable	-1	1	.0
Yes, full-time	1	81	3.3
Yes, part-time	2	317	12.9
No	3	2035	82.8
	TOTAL	2457	100.0

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[B0024]   Q8   "Mother's smoking habit"

Not stated	-3	2	.1
Not known	-2	9	.4
Not applicable	-1	1	.0
Never smoked	1	975	39.7
Smoked but now given up	2	326	13.3
Smokes now	3	1144	46.6
	TOTAL	2457	100.0

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[B0025-7] Q8 "If <u>now given up</u> when did she last smoke?
The date given is produced as 2 variables.
month, year, or coded as text given in
B00027.

- -

[B0025] Month

Not stated	-3	78	3.2
Not known	-2	140	5.7
Not applicable	-1	2120	86.3
	1	17	.7
	2	16	.7
	3	3	.1
	4	7	.3
	5	5	.2
	6	9	.4
	7	7	.3
	8	11	.4
	9	5	.2
	10	4	.2
	11	10	.4
	12	25	1.0
TOTAL		2457	100.0

- -

[B0026] Year

Not stated	-3	61	2.5
Not known	-2	30	1.2
Not applicable	-1	2120	86.3
	53	1	.0
	58	1	.0
	60	3	.1
	61	1	.0
	62	11	.4
	63	7	.3
	64	11	.4
	65	14	.6
	66	16	.7
	67	16	.7
	68	13	.5
	69	29	1.2
	70	34	1.4
	71	74	3.0
	72	15	.6
TOTAL		2457	100.0

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[B0027]   Q8   When last smoked other than a date

Not stated	-3	61	2.5
Not known	-2	9	.4
Not applicable	-1	2364	96.2
At start of pregnancy	10	7	.3
At school	11	2	.1
When married	12	3	.1
Between 16 and 20	13	4	.2
Many years ago	14	1	.0
Before child born	15	1	.0
During pregnancy	16	4	.2
Since baby born	17	1	.0
TOTAL		2457	100.0

- -

[B0028]   Q8   "How many a day does/did she smoke?"

Not stated	-3	65	2.6
Not known	-2	19	.8
Not applicable	-1	976	39.7
1 - 4	1	290	11.8
5 - 14	2	616	25.1
15 - 24	3	413	16.8
25 OR MORE	4	78	3.2
TOTAL		2457	100.0

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SECTION 2 : DEVELOPMENTAL SCREENING TEST

Q9   "Gross locomotor test"

[B0030]   Q9   "Can he walk holding the furniture? -
                 mother's reply"

Not stated	-3	279	11.4
Not known	-2	1	.0
Yes	1	2150	87.5
No	2	27	1.1
TOTAL		2457	100.0

- -

[B0031]   Q9   Walks holding furniture examiner's
                 observation

Not stated	-3	374	15.2
Not known/refused	-2	35	1.4
Yes	1	2018	82 1
No	2	30	1.2
TOTAL		2457	100.0

- -

[B0032]   Q9   "Can he walk on his own (at least 10 steps)?
                 mother's reply "

Not stated	-3	69	2.8
Not known	-2	2	0.1
Yes	1	2356	95.9
No	2	30	1.2
TOTAL		2457	100.0

- -

[B0033]   Q9   Walks on own at least 10 steps examiner's
                 observation.

Not stated	-3	119	4.8
Not known/refused	-2	18	.7
Yes	1	2287	93.1
No	2	33	1.3
TOTAL		2457	100.0

- -

[B0034]　Q9　"Can he balance on one foot for one second"
mother's reply

Not stated	-3	82	3.3
Not known	-2	393	16.0
Yes	1	1423	57.9
No	2	559	22.8
TOTAL		2457	100.0

- -

[B0035]　　　Balance on one foot for one second　examiner's
observation.

Not stated	-3	167	6.8
Not known/refused	-2	831	33.8
Yes	1	783	31.9
No	2	676	27.5
TOTAL		2457	100.0

- -

[B0036]　Q9　"Can he jump in one place?"　(The examiner was
asked to demonstrate and give three trials)
mother's reply.

Not stated	-3	67	2.7
Not known	-2	148	6.0
Yes	1	1785	72.6
No	2	457	18.6
TOTAL		2457	100.0

- -

[B0037]　Q9　Jump in one place　examiner's observation

Not stated	-3	173	7.0
Not known/refused	-2	902	36.7
Yes	1	698	28 4
No	2	684	27 8
TOTAL		2457	100.0

- -

Q10 "Fine locomotor Test"

Q10a "Use of cubes. Let the child play with the
1in cubes, then demonstrate a tower. He must
release each cube so that the tower remains
balanced. Allow 3 attempts."

[B0038]   Number of cubes in the tallest tower

Unable to examine/refused	-6	337	13.7
Not stated	-3	13	.5
	1	4	.2
	2	146	5.9
	3	295	12.0
	4	354	14.4
	5	424	17.3
	6	305	12.4
	7	232	9.4
	8	176	7.2
	9	83	3.4
	10	74	3.0
	11	6	.2
	12	8	.3
TOTAL		2457	100.0

- -

B. "Use of pencil and paper"

[B0039]   "Ask the mother· does he use pencil & paper at
home?"

Not stated	-3	37	1.5
Not known	-2	3	.1
Yes	1	2183	88.8
No	2	234	9.5
TOTAL		2457	100.0

- -

Q10b "Give the child a pencil and follow the
instructions on the special papers provided
whether or not he has used a pencil before"

"(a) Allow the child to scribble
spontaneously in the space below. If he
does not do so on his own, show him how to
do so."

[B0040]   Result

Unable to examine/refused	-6	255	10.4
Not known	-2	4	.2
Scribbled spontaneously	1	1718	69 9
Scribbled after demonstration	2	480	19.5
TOTAL		2457	100.0

- -

Q10.B(b)   "Show the child how to draw with a circular
           motion. Ask him to do the same. If he does
           not copy you, repeat once again".

[B0041]   Result

Unable to examine/refused	-6	388	15.8
Not known	-2	5	.2
Drew circular shape	1	787	32.0
Scribbled only	2	1277	52.0
TOTAL		2457	100 0

- -

Q10.B(c)   "Show the child how to make a vertical line.
           Move the pencil towards the child
           emphasising the direction with a whole arm
           movement. If the child does not copy,
           repeat once again".

[B0042]   Result

Unable to examine/refused	-6	374	15.2
Not stated	-3	42	1.7
Not known	-2	5	.2
Definite stroke at 1st attempt	1	388	15.8
Definite stroke at 2nd attempt	2	151	6.1
Vertical scribble at 1st attempt	3	205	8.3
Vertical scribble at 2nd attempt	4	134	5.5
Scribbled only	5	1158	47 1
TOTAL		2457	100.0

- -

Q10.B(d) "Show the child how to draw a cross. If he
          does not copy you repeat once again."

[B0043]   Result

Unable to examine/refused	-6	482	19.6
Not stated	-3	47	1.9
Not known	-2	5	.2
Drew 2 lines which crossed at some point	1	92	3.7
Any other drawing	2	1831	74.5
TOTAL		2457	100.0

- -

Q11   "Speech and language"

[B0044]   Q11   "Ask the mother can he say 'ma ma'?"

Not stated	-3	8	.3
Not known	-2	4	.2
Yes	1	2412	98.2
No	2	33	1.3
TOTAL		2457	100.0

- -

[B0045]   Q11   "Does he associate it with his mother?"

Not stated	-3	30	1 2
Not known	-2	10	.4
Not applicable	-1	10	.4
Yes	1	2369	96.4
No	2	38	1.5
TOTAL		2457	100.0

- -

[B0046]   Q11   "Can he say da da ?"

Not stated	-3	15	.6
Not known	-2	7	3
Yes	1	2389	97.2
No	2	46	1 9
TOTAL		2457	100.0

- -

[B0047]   Q11   "Does he associate it with his father?"

Not stated	-3	27	1.1
Not known	-2	19	.8
Not applicable	-1	14	6
Yes	1	2341	95.3
No	2	56	2.3
TOTAL		2457	100.0

- -

[B0048]   Q11   "Does he say other words clearly & with meaning?"

Not stated	-3	15	.6
Not known	-2	8	.3
Yes	1	2343	95.4
No	2	91	3.7
TOTAL		2457	100.0

- -

[B0049]   "If less than 5, specify" number

Not stated	-3	770	31.3
Not known	-2	7	.3
	0	3	.1
	1	25	1.0
	2	53	2.2
	3	64	2.6
	4	67	2 7
More than 5	5	1468	59.7
TOTAL		2457	100 0

- -

[B0050]   Q11   "Does he put two words together?"

Not stated	-3	10	.4
Not known	-2	15	6
Yes	1	1856	75 5
No	2	576	23.4
TOTAL		2457	100.0

- -

[B0051]   Q11   "Does he say sentences of 3 words or more?"

Not stated	-3	20	8
Not known	-2	33	1.3
Yes	1	1082	44 0
No	2	1322	53.8
	TOTAL	2457	100.0

- -

Q11   "Ask the child to show you his..."

[B0052]   Did the child show his <u>hair</u> to examiner?

Unable to examine	-6	3	.1
Not stated	-3	29	1.2
Not known	-2	8	.3
Yes	1	1224	49.8
No	2	1193	48.6
	TOTAL	2457	100.0

- -

[B0053]   Did child show his <u>eyes</u> to examiner?

Unable to examine	-6	3	.1
Not stated	-3	29	1.2
Not known	-2	7	.3
Yes	1	1123	45.7
No	2	1295	52.7
	TOTAL	2457	100.0

- -

[B0054]   Did child show his <u>nose</u> to examiner?

Unable to examine	-6	3	.1
Not stated	-3	29	1.2
Not known	-2	7	.3
Yes	1	1237	50.3
No	2	1181	48.1
	TOTAL	2457	100.0

- -

[B0055]   Did child show his <u>mouth</u> to examiner?

Unable to examine	-6	3	.1
Not stated	-3	29	1.2
Not known	-2	7	.3
Yes	1	1186	48.3
No	2	1232	50.1
TOTAL		2457	100.0

- -

[B0056]   Did child show his <u>hands</u> to examiner?

Unable to examine	-6	3	.1
Not stated	-3	29	1.2
Not known	-2	7	.3
Yes	1	1275	51.9
No	2	1143	46.5
TOTAL		2457	100.0

- -

[B0057]   Did child show his <u>feet</u> to examiner?

Unable to examine	-6	3	.1
Not stated	-3	29	1.2
Not known	-2	7	.3
Yes	1	1300	52.9
No	2	1118	45.5
TOTAL		2457	100.0

- -

Ask the mother which of the items not "demonstrated" can
the child do at home.
(For each of variables [B0058-B0063], the observed
variable has been combined with the mother's report).

[B0058]   Q11 Mother reports child can point to his <u>hair</u>.

Not stated	-3	43	1.8
Not known	-2	34	1.4
Yes, demonstrated	1	1224	49.8
Yes, not demonstrated	2	764	31.1
No cannot	3	392	16.0
TOTAL		2457	100.0

- -

[B0059] Mother reports child can indicate his <u>eyes</u>.

Not stated	-3	50	2.0
Not known	-2	34	1.4
Yes, demonstrated	1	1123	45.7
Yes, not demonstrated	2	823	33 5
No, cannot	3	427	17.4
TOTAL		2457	100.0

- -

[B0060] Mother reports child can point to his <u>nose</u>.

Not stated	-3	44	1.8
Not known	-2	33	1.3
Yes, demonstrated	1	1237	50.3
Yes, not demonstrated	2	789	32.1
No, cannot	3	354	14.4
TOTAL		2457	100 0

- -

[B0061] Mother reports child can point to his <u>mouth</u>

Not stated	-3	46	1 9
Not known	-2	32	1.3
Yes, demonstrated	1	1186	48.3
Yes, not demonstrated	2	801	32.6
No, cannot	3	392	16.0
TOTAL		2457	100.0

- -

[B0062] Mother reports child can show his <u>hands</u>.

Not stated	-3	43	1.8
Not known	-2	34	1.4
Yes, demonstrated	1	1275	51.9
Yes, not demonstrated	2	749	30.5
No, cannot	3	356	14.5
TOTAL		2457	100.0

- -

[B0063]   Mother reports child can indicate his <u>feet</u>.

Not stated		-3	46	1.9
Not known		-2	32	1.3
Yes, demonstrated		1	1300	52.9
Yes, not demonstrated		2	727	29.6
No, cannot		3	352	14.3
	TOTAL		2457	100.0

- -

Q12   <u>Personal and social</u>

Give the child the following commands
"Give mummy the pencil'"'

[B0064]   Did he give the pencil to his mother?

Unable to examine		-6	3	.1
Not stated		-3	14	.6
Not known		-2	5	.2
Yes		1	1971	80.2
No		2	464	18.9
	TOTAL		2457	100.0

- -

"Put the pencil on the chair'"

[B0065]   Did he put the pencil on a chair?

Unable to examine		-6	3	.1
Not stated		-3	14	.6
Not known		-2	5	.2
Yes		1	1490	60 6
No		2	945	38.5
	TOTAL		2457	100.0

- -

"Give me the pencil'"

(The examiner was instructed not to hold out a hand for the pencil)

[B0066]   Did he give the pencil to the examiner?

Unable to examine	-6	3	.1
Not stated	-3	14	.6
Not known	-2	5	.2
Yes	1	1751	71.3
No	2	684	27.8
TOTAL		2457	100.0

- -

"Put the pencil on the table'"

[B0067]   Did he put the pencil on a table?

Unable to examine	-6	3	.1
Not stated	-3	14	.6
Not known	-2	5	.2
Yes	1	1621	66.0
No	2	814	33.1
TOTAL		2457	100.0

- -

Ask the mother which of the above that he did not do, could he do at home.
(For each of variables [B0068 - B0071] the observed variable has been combined with the mother's report.)

[B0068]   Mother reports he can give a pencil to her on request.

Not stated	-3	30	1.2
Not known	-2	13	.5
Yes, demonstrated	1	1971	80.2
Yes, not demonstrated	2	350	14.2
No, cannot	3	93	3.8
TOTAL		2457	100.0

- -

[B0069]   Mother reports he can put pencil on a chair.

Not stated	-3	50	2.0
Not known	-2	22	9
Yes, demonstrated	1	1490	60.6
Yes, not demonstrated	2	623	25.4
No, cannot	3	272	11.1

| | TOTAL | 2457 | 100.0 |

- -

[B0070]   Mother reports he can give pencil to
                 examiner

Not stated	-3	40	1.6
Not known	-2	16	.7
Yes, demonstrated	1	1751	71.3
Yes, not demonstrated	2	454	18.5
No, cannot	3	196	8.0

| | TOTAL | 2457 | 100.0 |

- -

[B0071]   Mother reports he can put pencil on table.

Not stated	-3	48	2.0
Not known	-2	21	.9
Yes, demonstrated	1	1621	66.0
Yes, not demonstrated	2	534	21.7
No, cannot	3	233	9.5

| | TOTAL | 2457 | 100.0 |

- -

"Ask the mother whether he will fetch objects
at home."

[B0072]   Will he fetch objects at home if they are in
                 sight?

Not stated	-3	33	1.3
Not known	-2	17	.7
Yes	1	2375	96 7
No	2	32	1 3

| | TOTAL | 2457 | 100.0 |

- -

[B0073]   "Will he fetch objects at home if they are out
             of sight?"

Not stated	-3	30	1.2
Not known	-2	52	2.1
Yes	1	2195	89.3
No	2	180	7.3
	TOTAL	2457	100.0

- -

[B0074]   "Is he able to feed himself with a spoon
             holding it level?"

Not stated	-3	19	.8
Not known	-2	5	.2
Yes	1	2296	93.4
No	2	137	5.6
	TOTAL	2457	100.0

- -

[B0075]   "Can he take off his shoes (if unlaced)?
             - mother's reply."

Not stated	-3	25	1.0
Not known	-2	42	1.7
Yes	1	2186	89.0
No	2	204	8.3
	TOTAL	2457	100.0

- -

[B0076]   "Did he take off his shoes (if unlaced)?
             - examiner's observation "

Unable to examine	-6	1	.0
Not stated	-3	294	12.0
Not known	-2	604	24 6
Yes	1	1171	47.7
No	2	387	15.8
	TOTAL	2457	100 0

- -

[B0077]   "Can he put on his shoes (unlaced and not
          necessarily on the correct foot)? "
          - mother's reply.

Not stated	-3	31	1.3
Not known	-2	38	1.5
Yes	1	1515	61 7
No	2	873	35.5
	TOTAL	2457	100.0

- -

[B0078]   "Can he put on his shoes (unlaced but not
          necessarily on the correct foot)?
          - examiner's observation."

Unable to examine	-6	2	.1
Not stated	-3	296	12.0
Not known	-2	643	26.2
Yes	1	746	30.4
No	2	770	31.3
	TOTAL	2457	100.0

- -

[B0079]   "Can he take off his pants?
          - mother's reply."

Not stated	-3	20	.8
Not known	-2	57	2.3
Yes	1	1382	56 2
No	2	998	40.6
	TOTAL	2457	100.0

- -

[B0080]   "Can he take off his pants?
          - examiner's observation."

Unable to examine	-6	1	.0
Not stated	-3	363	14.8
Not known	-2	839	34.1
Yes	1	433	17.6
No	2	821	33 4
	TOTAL	2457	100.0

- -

[B0081]   "Can he put on his pants (either way round)
           - mother's reply."

Not stated	-3	27	1.1
Not known	-2	78	3.2
Yes	1	741	30.2
No	2	1611	65.6
	TOTAL	2457	100.0

- -

[B0082]   "Can he put on his pants?"
           - examiner's observation.

Unable to examine	-6	1	.0
Not stated	-3	374	15.2
Not known	-2	829	33.7
Yes	1	200	8.1
No	2	1053	42.9
	TOTAL	2457	100.0

- -

Q13   "General"

[B0083]   "How co-operative was the child ?"

Unable to examine	-6	2	.1
Not stated	-3	64	2.6
Not known	-2	1	.0
Cooperative	1	1196	48.7
Very cooperative	2	645	26.3
Uncooperative	3	451	18.4
Very uncooperative	4	98	4.0
	TOTAL	2457	100.0

- -

[B0084]   "Do you feel child was able to do more than
           he did during the test?"

Unable to examine	-6	1	.0
Not stated	-3	107	4 4
Not known	-2	9	.4
Yes	1	1497	60 9
No	2	843	34 3
	TOTAL	2457	100 0

(It should be noted that due to the design of the question, lack of response to the statements below had to be taken to indicate 'no', but must include cases of 'not stated').

Did he show any abnormal behaviour?

[B0085]   Mouthing

Unable to examine	-6	1	.0
Yes	1	57	2.3
No	2	2399	97.6
TOTAL		2457	100.0

- -

[B0086]   Casting

Unable to examine	-6	1	.0
Yes	1	39	1.6
No	2	2417	98.4
TOTAL		2457	100.0

- -

[B0087]   Rocking

Unable to examine	-6	1	.0
Yes	1	18	.7
No	2	2438	99.2
TOTAL		2457	100.0

- -

[B0088]   Headbanging

Unable to examine	-6	1	0
Yes	1	20	8
No	2	2436	99 1
TOTAL		2457	100.0

- -

[B0089]   Other abnormal behaviour

Unable to examine	-6	1	.0
Yes	1	37	1 5
No	2	2419	98.5
TOTAL		2457	100.0

- -

[B0090]   Description of other abnormal behaviour
                 - 1st description

Not stated	-3	3	.1
Not applicable	-1	2420	98.5
Breath-holding	10	3	.1
Rolled head from side to side	11	2	1
Dribbled constantly	12	4	.2
Struck mother in a temper	13	2	.1
Tenses up when excited	14	1	.0
Hyper-active/hyperkinetic	15	9	.4
Grunting	16	1	.0
Immature behaviour	18	1	.0
Temper/tantrums	19	6	.2
Mother states "child bites in a temper	20	2	.1
Biting	21	1	.0
Cerebral cry	22	1	.0
Nodding head up to age 6 m	24	1	.0
TOTAL		2457	100.0

- -

[B0091]   Description of other abnormal behaviour
                 - 2nd description

Not applicable	-1	2455	99.9
Grimacing	17	1	0
Muscular twitchings	23	1	.0
TOTAL		2457	100 0

- -

SECTION 3: MEDICAL EXAMINATION

Part A

Q14   Measurements

Q14   Weight

The child was weighed in vest and pants only. The
interviewer was asked not to use bathroom scales but to get
the child weighed at a clinic or elsewhere where accurate
scales were available.
Recording was in either lb, oz or Kg. Coders subsequently
converted any imperial measures to metric

[B0093]   Weight

Not known	-2	109	4.4
Valid weights		2348	95.6
TOTAL		2457	100.0

Range 6.40 to 20.41
median = 11.86

- -

[B0094]   Q14   "Were there any difficulties in weighing ?
                   (eg. child refused to stand still, scales,
                   etc.)"

Unable to examine	-6	1	.0
Not stated	-3	1004	40.9
Not known	-2	2	.1
Yes	1	436	17.7
No	2	1014	41.3
TOTAL		2457	100 0

- -

Height

"This is a difficult measurement. If possible record both standing height and recumbent length "

[B0095]   Child's standing height without shoes in
                 metres and centimetres

Not known	-2	161	6 6
Valid heights		2296	93.4
TOTAL		2457	100.0

Range 0.44 to 1.07
median 0.83

Recumbent length

"Use a rigid surface. Mark the position of the heels and top of the head and measure the distance between them."

[B0096]   Q14 Child's recumbent length metres

Not known	-2	571	23.2
Valid lengths		1886	76.8
TOTAL		2457	100.0

Range 0.41 to 1.07
median 0.83

Head circumference

"With the paper measure provided, measure around forehead and occiput recording maximum circumference. It is important to be as accurate as possible."

[B0097]   Circumference of head in centimetres

Not known	-2	47	1 9
Valid circumferences		2410	98.1
TOTAL		2457	100.0

Range 30 - 59
median 48 5
- -

[B0098]   Q14   "Are the fontanelles closed ?"

Unable to examine	-6	14	.6
Not stated	-3	35	1 4
Not known	-2	1	.0
Yes	1	2209	89.9
No	2	198	8.1
TOTAL		2457	100.0

- -

"Indicate on the diagram any abnormalities of shape" (see reproduction of questionnaire).

[B0099]   Q14   Any abnormalities

Unable to examine	-6	1	.0
Not stated	-3	83	3.4
Yes	1	81	3.3
No	2	2292	93.3
TOTAL		2457	100 0

- -

[B0100]   Abnormalities - 1st description

Unable to examine	-6	1	.0
None noted	-1	2376	96.7
Broad head	10	4	.2
Large forehead	11	3	1
Prominent brow	12	9	.4
Prominent occiput	13	9	.4
Ridge on skull where frontal bones fused	15	1	.0
Anterior fontanelle firm & depressed	16	1	.0
Long skull from anterior to posterior	17	3	1
Very round skull	18	6	.2
Flat top of skull	19	1	.0
Skull shaped as parallelogram	20	8	.3
Head flattened on one side	21	5	.2
Skull flattened at rear	23	9	.4
Microcephalic	24	2	.1
Marked membrane ridge on forehead	25	2	.1
Prominent left side of forehead	26	1	.0
Narrow posteriorly	27	1	0
Marked bossing of forehead	29	1	0
Anterior fontanelle not closed	30	3	1

Mild left parallelogram	31	2	.1
Mild right parallelogram	32	3	.1
Achondroplastic skull	33	1	.0
Skull wide posteriorly	34	2	.1
Skull protrudes unilaterally	35	1	.0
Small under-developed skull	36	1	.0
Wide anteriorly	37	1	.0
TOTAL		2457	100.0

- -

[B0101]   Abnormalities - 2nd description

Unable to examine	-6	1	.0
None noted	-1	2442	99.4
Large forehead	11	1	.0
Prominent brow	12	1	.0
Prominent occiput	13	2	.1
Very round skull	18	1	.0
Skull shaped as parallelogram	20	2	.1
Skull very narrow anteriorly	22	1	.0
Skull flattened at rear	23	2	.1
Prominent left side of forehead	26	1	.0
Narrow posteriorly	27	2	.1
Mild right parallelogram	32	1	.0
TOTAL		2457	100.0

- -

[B0102]   Abnormalities - 3rd description

Unable to examine	-6	1	.0
None noted	-1	2455	99.9
High-domed head	28	1	.0
TOTAL		2457	100.0

- -

Q16   "Is the child cared for.. ."

[B0103]   "In a day nursery ?"

Not stated	-3	45	1.8
Not known	-2	1	.0
No	0	2395	97.5
Yes, full-time	1	8	.3
Yes, part-time	2	8	.3
TOTAL		2457	100.0

[B0104]   "In a playgroup ?"

Not stated	-3	45	1 8
Not known	-2	1	.0
No	0	2377	96 7
Yes, full-time	1	1	.0
Yes, part-time	2	33	1.3
TOTAL		2457	100.0

- -

[B0105]   "By child minder ?"

Not stated	-3	45	1.8
Not known	-2	1	.0
No	0	2377	96.7
Yes, full-time	1	8	.3
Yes, part-time	2	26	1.1
TOTAL		2457	100.0

- -

[B0106]   "In a residential nursery?"

Not stated	-3	45	1.8
Not known	-2	1	.0
No	0	2302	93.7
Yes, full-time	1	1	.0
Yes, part-time	2	108	4.4
TOTAL		2457	100 0

- -

[B0107]   "At home ?"

Not stated	-3	45	1.8
Not known	-2	1	0
No	0	43	1.8
Yes, full-time	1	2264	92 1
Yes, part-time	2	104	4.2
TOTAL		2457	100 0

- -

[B0108]   "Elsewhere ?"

Not stated		-3	45	1.8
Not known		-2	1	.0
No		0	2349	95.6
Yes, full-time		1	21	.9
Yes, part-time		2	41	1.7

                          TOTAL   2457   100.0

- -

[B0109]   Place if cared for *full-time elsewhere*

Not stated .		-3	45	1.8
Not known		-2	1	.0
Not full-time elsewhere		-1	2390	97.3
Grandparent's home		10	16	.7
Other relative's home		11	2	.1
Foster parent's home		14	2	.1
Own home but cared for by grandparents		15	1	.0

                          TOTAL   2457   100.0

- -

[B0116]   Place cared for *part-time elsewhere*

Not stated		-3	52	2.1
Not part-time elsewhere		-1	2367	96.3
Grandparent's home		10	24	1.0
Other relative's home		11	5	.2
Neighbour's home		12	3	.1
Friend's home		13	4	.2
Hospital creche		16	1	.0
Cared for at home by child minder		17	1	.0

                          TOTAL   2457   100.0

- -

[B0118]   Q17   "Was the child born in hospital ?"

Not stated		-3	3	1
Not known		-2	1	.0
Yes		1	2188	89 1
No		2	265	10.8

                          TOTAL   2457   100.0

- -

[B0119] If <u>yes</u> to [B0118], give length of stay after birth"

(a) the mother

Not stated	-3	11	.4
Not known	-2	3	.1
Not applicable	-1	266	10.8
No. of days given	1	34	1.4
	2	351	14.3
	3	65	2.6
	4	74	3.0
	5	137	5.6
	6	161	6.6
	7	343	14.0
	8	207	8.4
	9	122	5.0
	10	456	18.6
	11	40	1.6
	12	52	2.1
	13	9	.4
	14	82	3 3
	15	6	.2
	16	5	.2
	17	1	.0
	18	1	.0
	21	21	.9
	22	1	.0
	28	4	.2
	35	1	.0
	42	3	.1
	56	1	.0
TOTAL		2457	100 0

[B0120]   If <u>yes</u> to [B0018], length of stay of baby (days)

Not stated	-3	18	.7
Not known	-2	4	.2
Not applicable	-1	265	10.8
	1	29	1.2
	2	332	13.5
	3	51	2.1
	4	59	2 4
	5	116	4.7
	6	147	6.0
	7	303	12.3
	8	196	8.0
	9	122	5.0
	10	403	16.4
	11	42	1.7
	12	46	1.9
	13	13	.5
	14	92	3.7
	15	7	.3
	16	13	.5
	17	18	.7
	18	6	.2
	19	2	.1
	20	1	.0
	21	56	2.3
	22	5	.2
	23	2	.1
	24	2	.1
	25	2	.1
	26	1	.0
	27	1	.0
	28	21	.9
	29	1	.0
	30	7	.3
	31	1	0
	35	21	.9
	37	2	1
	39	3	.1
	42	24	1 0
	44	2	1
	45	1	.0
	49	6	.2
	55	1	.0
	56	5	.2
	60	3	.1
	63	2	.1
	70	1	0
	90	1	0
	98	1	.0
TOTAL		2457	100.0

- -

"If they did not leave at the same time or were separated,
give the reasons "
(The reasons have been coded verbatim and not edited).

[B0121]   Reason for separation - 1st given

Not stated	-3	38	1.5
Not known	-2	3	.1
Not applicable	-1	2106	85.7
Dysmature baby/low birthweight	10	4	.2
Premature/low birthweight baby	11	154	6.3
Breathing difficulties (baby)	12	5	.2
Mother sterilisation	13	8	.3
Mother toxaemia pre & post delivery	14	5	.2
Mother caesarean section	15	7	.3
Weight loss (baby)	16	7	.3
Calcium deficiency (baby)	18	4	.2
Food poisoning (mother)	19	2	.1
Twin premature/low birthweight	21	15	.6
Neonatal asphyxia	22	1	.0
Anaemia (maternal)	25	1	.0
Cyanotic attack blue baby	26	1	0
Jaundice (baby)	27	12	.5
Cleft lip surgery	28	1	.0
Cot nursed,result of high forceps delivery	29	1	.0
Admitted to S.C.B.U.	32	12	.5
Spina bifida baby	33	1	.0
Blood transfusion (baby)	35	6	.2
Blood transfusion (mother)	36	1	.0
Vomiting & diarrhoea (baby)	39	1	.0
Sore buttocks (baby)	40	1	0
Twitching attacks (baby)	41	1	.0
Feeding difficulties (baby)	43	7	.3
Increase in cranial pressure due to blockage in basal cistern region	47	1	.0
Baby in incubator	48	4	.2
Twin stillborn	49	1	.0
Slow development	52	2	1
Cord not separated	53	1	.0
Puerperal depression	54	1	.0
Throat/or urinary infection (mother)	56	2	.1
Stridor (baby)	57	1	.0
Child microcephalic	58	1	0
Social reasons	59	1	.0
Post-partum haemorrhage	61	1	.0
Investigation-baby blue feet	63	1	.0
Baby rhesus -ve	65	1	0
Suspected hydrocephalus (baby)	67	1	0
Transferred to other hospital	68	1	.0
Oesophageal atresia (baby)	70	2	.1
Maternal D + C	71	1	0
Poor condition baby	73	1	0
Pyelitis (baby)	74	1	0

Reason	Code	Count	%
Maternal vomiting – on intravenous drip	75	1	.0
Rejection by natural mother	76	1	.0
Underweight (not premature)	79	11	.4
Baby had to attain birthweight	80	4	.2
Urinary infection (baby)	81	2	.1
Spontaneous Pneumothorax (baby)	82	1	0
Gastro-enteritis (baby)	83	1	.0
Mother rhesus negative	86	2	1
Unclear	92	4	.2
TOTAL		**2457**	**100.0**

- -

[B0122]   Reason for separation - 2nd reason

Reason	Code	Count	%
Not stated	-3	38	1.5
Not known	-2	3	.1
Not applicable	-1	2342	95.3
Premature/low birthweight baby	11	5	.2
Breathing difficulties (baby)	12	3	1
Maternal sterilisation	13	2	.1
Mother toxaemia (pre & post delivery)	14	1	.0
Mother caesarean section	15	3	1
Cerebral haemorrhage (baby)	17	1	.0
Anaemia (baby)	24	2	.1
Cyanotic attack - blue baby	26	1	.0
Jaundice (baby)	27	2	.1
Cot nursed - high forceps delivery	29	1	.0
Mother high blood pressure	30	1	.0
Admitted to S.C.B U.	32	11	.4
Blood transfusion (baby)	35	2	.1
Blood transfusion (mother)	36	2	1
Vomiting & diarrhoea (baby)	39	3	.1
Twitching attacks (baby)	41	1	.0
Feeding difficulties (baby)	43	3	.1
Manual extraction of placenta	45	1	0
Mother home early to look after other children	46	1	.0
Baby in incubator	48	9	.4
Twin 1 or 2 stillborn	49	1	0
Loose stools	50	1	.0
Cerebral irritation	55	1	.0
Cervical tear	62	1	.0
Cystic hygroma	64	1	.0
Transferred to other hospital	68	1	.0
Suspected heart condition	69	1	.0
Hematemesis of baby	78	1	0
Underweight not premature	79	2	.1
Baby to attain birthweight	80	1	0
Baby hypoglycaemic	84	1	.0
Rhesus incompatibility and baby had blood transfusion)	85	2	.1

Hole in heart	89	1	.0
Baby kept in observation	90	1	.0
Axillary swelling	91	1	.0
Unclear	92	2	.1
TOTAL		2457	100.0

- -

[B0123]   Reason for separation - 3rd reason

Not stated	-3	38	1.5
Not known	-2	3	.1
Not applicable	-1	2395	97.5
Premature/low birthweight baby	11	1	.0
Mother sterilisation	13	1	.0
Mother caesarean section	15	1	.0
Weight loss (baby)	16	1	.0
Calcium deficiency (baby)	18	1	.0
Neonatal asphyxia	22	1	.0
Jaundice (baby)	27	2	.1
Baby eye infection	31	1	.0
Admitted to S.C.B.U.	32	6	.2
Low blood glucose (baby)	37	1	.0
Mucoviscidosis	51	1	.0
Ante-partum haemorrhage	60	1	.0
Baby rhesus (neg)	65	1	.0
Baby had a cold	72	1	.0
Dehydrated	87	1	.0
TOTAL		2457	100.0

- -

[B0124]   Reason for separation - 4th reason

Not stated	-3	38	1.5
Not known	-2	3	.1
Not applicable	-1	2410	98.1
Breathing difficulties (baby)	12	1	.0
Mother caesarean section	15	1	.0
Mother post natal petit mal	34	1	0
Long blood clotting time (baby)	38	1	.0
Slow development	52	1	.0
Baby rhesus -ve	65	1	0
TOTAL		2457	100.0

- -

[B0127]   "Has the child had any fits or convulsions
              since birth ?"

Not stated	-3	7	.3
Not known	-2	11	4
Yes	1	116	4.7
No	2	2323	94.5
	TOTAL	2457	100.0

- -

[B0128]   "If yes, how often?"

Not stated	-3	47	1.9
Not known	-2	8	.3
Not applicable	-1	2323	94.5
	1	41	1.7
	2	16	.7
	3	7	.3
	4	4	.2
	5	3	.1
	6	1	.0
	20	1	.0
	38	1	.0
Numerous	55	5	.2
	TOTAL	2457	100.0

- -

[B0130]   Date of first fit/convulsion (month)

Not stated	-3	43	1.8
Not known	-2	8	.3
Not applicable	-1	2323	94.5
	1	8	.3
	2	8	.3
	3	6	2
	4	14	.6
	5	5	.2
	6	6	.2
	7	11	.4
	8	8	3
	9	4	.2
	10	3	.1
	11	2	.1
	12	8	3
	TOTAL	2457	100 0

- -

[B0131]   Date of first fit/convulsion (year)

Not stated	-3	43	1.8
Not known	-2	8	.3
Not applicable	-1	2323	94.5
	70	29	1.2
	71	47	1 9
	72	7	.3
TOTAL		2457	100.0

- -

[B0133]   Date of most recent fit/convulsion (month)

Not stated	-3	65	2.6
Not known	-2	7	.3
Not applicable	-1	2323	94.5
	1	7	.3
	2	6	.2
	3	2	.1
	4	14	.6
	5	2	.1
	6	6	.2
	7	5	.2
	8	5	.2
	9	5	.2
	10	2	.1
	11	2	.1
	12	6	.2
TOTAL		2457	100.0

- -

[B0134]   Date of most recent fit/convulsion (year)

Not stated	-3	65	2.6
Not known	-2	7	.3
Not applicable	-1	2323	94.5
	70	15	.6
	71	36	1.5
	72	11	4
TOTAL		2457	100.0

- -

[B0135]   Stated cause of fits/convulsions 1st given

Not stated	-3	45	1.8
Not known	-2	13	.5
Not applicable	-1	2323	94.5
Upper respiratory infection	10	4	.2
Otitis media	11	4	.2
Teething	12	6	.2
Immunisation reaction	13	2	.1
Fall	14	2	.1
Head injury	15	2	1
Calcium deficiency	16	3	.1
Breath-holding	18	6	.2
Bronchitis	19	2	.1
Tonsillitis	20	6	.2
Cerebral haemorrhage	23	1	.0
Urinary infection	24	2	.1
Meningitis	25	3	.1
Twitching in 1st week of life	27	1	.0
Cyanosis	28	1	.0
Gastro-enteritis	29	3	.1
Pyrexia	34	26	1.1
Colic	36	1	0
Primary cerebral agenesis	38	1	.0
TOTAL		2457	100.0

- -

[B0136]   Stated cause of fits/convulsions 2nd given

Not stated	-3	103	4.2
Not known	-2	10	.4
Not applicable	-1	2323	94 5
Otitis media	11	2	.1
Immunisation reaction	13	1	.0
Tonsillitis	20	3	.1
Influenza	32	1	.0
Pyrexia	34	12	.5
Dehydration	39	1	.0
Septicaemia	41	1	.0
TOTAL		2457	100.0

- -

[B0137]   Stated cause of fits/convulsions   3rd given

Not stated	-3	120	4 9
Not known	-2	10	4
Not applicable	-1	2323	94.5
Upper respiratory infection	10	2	.1
Teething	12	1	0
Pyrexia	34	1	0
	TOTAL	2457	100.0

- -

[B0140]   Q19   Has the child lost consciousness for any reason?

Not stated	-3	3	.1
Not known	-2	11	4
Yes	1	93	3.8
No	2	2350	95.6
	TOTAL	2457	100.0

- -

[B0141]   If yes to [B0140], was it momentary ?

Not stated	-3	7	.3
Not known	-2	9	4
Not applicable	-1	2350	95.6
Yes	1	45	1.8
No	2	46	1.9
	TOTAL	2457	100.0

- -

[B0142]   If yes to [B0140], was it for less than 10 minutes ?

Not stated	-3	7	3
Not known	-2	9	4
Not applicable	-1	2350	95 6
Yes	1	36	1 5
No	2	55	2 2
	TOTAL	2457	100 0

- -

[B0143]   If _yes_ to [B0140], was it for 10 or more
            minutes?

Not stated		-3	7	3
Not known		-2	9	.4
Not applicable		-1	2350	95.6
Yes		1	17	.7
No		2	74	3.0
	TOTAL		2457	100 0

- -

"Where applicable give cause "

[B0144]   First cause stated

Not stated	-3	15	.6
Not known	-2	8	.3
Not applicable	-1	2351	95.7
Upper respiratory infection	10	5	.2
Otitis media	11	3	.1
Teething	12	3	.1
Fall	14	18	.7
Head injury	15	2	.1
Calcium deficiency	16	1	.0
Breath-holding	18	19	.8
Tonsillitis	20	4	.2
Convulsion	22	2	.1
Cerebral haemorrhage	23	1	.0
Urinary infection	24	1	.0
Meningitis	25	1	.0
Food stuck in throat	26	1	.0
Gastro-enteritis	29	1	0
Acute salmonella infection	30	1	.0
Accidental drug overdose	31	1	0
Influenza	32	1	.0
Sub-dural haematoma	33	1	.0
Pyrexia	34	13	.5
Temper tantrums	35	1	.0
Colic	36	1	.0
Whooping cough	37	2	.1
TOTAL		2457	100.0

- -

[B0145]   Second cause stated

Not stated	-3	79	3.2
Not known	-2	6	2
Not applicable	-1	2352	95 7
Upper respiratory infection	10	1	0
Otitis media	11	3	1
Immunisation reaction	13	1	0
Head injury	15	1	.0
Tonsillitis	20	3	.1
Cyanosis	28	2	1
Pyrexia	34	8	.3
Septicaemia	41	1	.0
TOTAL		2457	100 0

- -

[B0146]   Third cause stated

Not stated	-3	96	3.9
Not known	-2	6	2
Not applicable	-1	2352	95 7
Upper respiratory infection	10	1	.0
Teething	12	1	.0
Pyrexia	34	1	0
TOTAL		2457	100.0

- -

[B0149]   Q20   "Has the child ever attended a hospital
casualty department, a hospital outpatients
department or seen a hospital specialist
privately?"

Not stated	-3	10	4
Not known	-2	7	.3
Yes	1	919	37.4
No	2	1521	61.9
TOTAL		2457	100.0

- -

[B0150]   Q21   "Has the child had any hospital in-patient care?"

Not stated		-3	8	.3
Not known		-2	8	.3
Yes		1	352	14.3
No		2	2089	85.0
	TOTAL		2457	100.0

- -

Q22   "Has the child had any of the following illnesses?"

[B0151]   Measles

Not stated		-3	35	1.4
Not known		-2	19	.8
Yes		1	246	10.0
No		2	2157	87.8
	TOTAL		2457	100.0

- -

[B0152]   Mumps

Not stated		-3	37	1.5
Not known		-2	20	.8
Yes		1	17	.7
No		2	2383	97 0
	TOTAL		2457	100 0

- -

[B0153]   Whooping cough

Not stated		-3	37	1.5
Not known		-2	20	.8
Yes		1	73	3.0
No		2	2327	94.7
	TOTAL		2457	100.0

- -

[B0154]   Chicken pox

Not stated	-3	37	1.5
Not known	-2	19	.8
Yes	1	111	4 5
No	2	2290	93.2
TOTAL		2457	100.0

- -

[B0155]   Has child had any other illnesses?

Not stated	-3	37	1.5
Not known	-2	21	.9
Yes	1	349	14.2
No	2	2050	83.4
TOTAL		2457	100.0

- -

(Other illnesses have been coded verbatim. These variables
should be used with caution).

[B0156]   Other illness - 1st given

Not stated	-3	46	1.9
Not known	-2	15	.6
Not applicable	-1	2050	83.4
Scarlatina	10	7	.3
Chest infection	11	7	.3
Rubella	12	133	5.4
Gastro-enteritis	13	25	1.0
Tonsillitis	14	26	1.1
Meningitis	15	4	.2
Pneumonia	16	10	.4
Bronchitis	17	51	2.1
Bronchopneumonia	18	1	.0
Eczema	19	17	.7
Asthma	20	4	2
Croup	21	13	.5
Viral infection	22	1	0
Dysentery	23	3	1
Influenza	24	7	.3
Bell's palsy	25	1	.0
Salmonella	26	1	0
Throat infection	27	4	2
Conjunctivitis	28	3	.1
Otitis media	29	10	4
Wheezy illnesses	30	4	.2
Ear infection	31	3	.1
Thrush	32	1	.0
Diarrhoea & vomiting	33	2	.1

Gastritis	35	1	.0
Ear abscess	36	1	.0
Gastric flu.	37	1	.0
Urinary tract infection	38	1	.0
Roseola infantum	39	2	.1
Epistaxis	40	1	.0
Reaction to immunisation	41	1	.0
TOTAL		2457	100.0

- -

[B0157]   Other illness - 2nd given

Not stated	-3	368	15.0
Not known	-2	15	.6
Not applicable	-1	2050	83.4
Gastro-enteritis	13	1	.0
Tonsillitis	14	2	.1
Meningitis	15	1	.0
Pneumonia	16	1	.0
Bronchitis	17	5	.2
Eczema	19	1	.0
Asthma	20	1	.0
Croup	21	1	.0
Influenza	24	1	.0
Salmonella	26	1	.0
Conjunctivitis	28	1	.0
Otitis media	29	4	.2
Wheezy illnesses	30	1	.0
Diarrhoea + vomiting	33	1	.0
Colic	34	1	.0
Urinary tract infection	38	1	.0
TOTAL		2457	100.0

- -

[B0158]   Other illness - 3rd given

Not stated	-3	389	15.8
Not known	-2	15	.6
Not applicable	-1	2050	83.4
Tonsillitis	14	1	.0
Eczema	19	1	0
Throat infection	27	1	0
TOTAL		2457	100 0

- -

Eyes

[B0161]   "Evidence of squint ?"

Unable to examine	-6	28	1.1
Not stated	-3	9	.4
Not known	-2	3	1
Yes	1	109	4.4
No	2	2308	93.9
TOTAL		2457	100.0

- -

[B0162]   "Evidence of other visual defects ?"

Unable to examine	-6	183	7.4
Not stated	-3	165	6.7
Not known	-2	5	.2
Yes	1	31	1.3
No	2	2073	84.4
TOTAL		2457	100 0

- -

Hearing

[B0163]   "Evidence of hearing loss ?"

Unable to examine	-6	72	2.9
Not stated	-3	81	3.3
Not known	-2	4	.2
Yes	1	39	1 6
No	2	2261	92.0
TOTAL		2457	100 0

- -

Q24   Respiratory disease

[B0164]   "Evidence of respiratory disease ?"

Unable to examine/refused	-6	45	1.8
Not stated	-3	14	.6
Yes	1	353	14 4
No	2	2045	83 2
TOTAL		2457	100.0

- -

[B0165]   Respiratory disease coded using adapted I C.D.
            IX* - 1st condition given (string variables -
            i.e. alphanumeric)

Not stated	-3	5	.2
Not applicable	-1	2104	85.6
ICD Codes	289.3	1	.0
	382.9	1	.0
	460	155	6.3
	461.9	1	.0
	462	2	.1
	463	4	.2
	464.4	1	.0
	466.0	1	.0
	471.1	1	.0
	472.0	26	1.1
	473.9	1	.0
	474 1	9	.4
	478.1	1	.0
	484.3	1	.0
	485	1	.0
	487.1	5	.2
	490	34	1.4
	490 3	88	3 6
	784.9	1	.0
	786.0	3	1
	786.2	4	.2
	786.7	7	.3
TOTAL		2457	100.0

* see separate booklet ICD IX ADAPTED CODES

- -

[B0166]   Respiratorv disease coded using adapted I.C D
IX - 2nd condition given (string variables)

Not stated	-3	264	10.7
Not applicable	-1	2104	85.6
ICD Codes	054.9	1	.0
	372.0	1	.0
	382.9	1	.0
	384.8	3	.1
	460	8	.3
	462	5	.2
	463	5	.2
	464.4	1	0
	472.0	5	.2
	474.1	7	.3
	477.9	2	.1
	487.1	3	.1
	490	7	.3
	490.3	6	.2
	519.8	5	.2
	520.7	1	.0
	784.9	3	1
	785.6	2	.1
	786.0	2	.1
	786.2	6	.2
	786.7	15	6
TOTAL		2457	100.0

- -

[B0167]   Respiratory disease coded using adapted I.C.D.
IX - 3rd condition given (string variable)

Not stated	-3	335	13.6
Not applicable	-1	2104	85.6
ICD Code	372.0	1	.0
	373.0	1	.0
	460	1	.0
	462	1	.0
	465.8	1	.0
	472 0	3	.1
	474.1	1	.0
	490	1	0
	490.3	1	0
	519.1	1	0
	780.6	1	.0
	784.9	2	.1
	785.6	2	.1
	999.5	1	0
TOTAL		2457	100 0

- -

Q25 General muscle tone

[B0168]   Right upper limb

Unable to assess	-6	53	2 2
Not stated	-3	94	3.8
Not applicable	-1	1	.0
Normal	1	2295	93.4
Hypotonic	2	11	.4
Hypertonic	3	3	.1
TOTAL		2457	100.0

- -

[B0169]   Left upper limb

Unable to examine	-6	52	2.1
Not stated	-3	98	4.0
Normal	1	2292	93.3
Hypotonic	2	11	.4
Hypertonic	3	4	.2
TOTAL		2457	100.0

- -

[B0170]   Right lower limb

Unable to examine	-6	52	2.1
Not stated	-3	103	4.2
Normal	1	2285	93.0
Hypotonic	2	15	.6
Hypertonic	3	2	.1
TOTAL		2457	100.0

- -

[B0171]   Left lower limb

Unable to examine	-6	51	2 1
Not stated	-3	107	4.4
Normal	1	2281	92.8
Hypotonic	2	15	.6
Hypertonic	3	3	1
TOTAL		2457	100.0

- -

[B0172]   Evidence of cerebral palsy ?

Unable to examine	-6	36	1.5
Not stated	-3	98	4.0
Yes	1	7	.3
No	2	2313	94.1
Questionable signs	3	3	.1
TOTAL		2457	100.0

- -

Q26   Congenital abnormalities

(Congenital abnormalities have been coded verbatim. No
editorial decision has been taken as to what should or should
not be included here. The variables should be used with
caution.)

[B0177]   Any congenital abnormalities ?

Unable to examine	-6	1	.0
Not stated	-3	41	1.7
Not known	-2	1	.0
Yes	1	188	7.7
No	2	2226	90 6
TOTAL		2457	100.0

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[B0178]   Congenital abnormality coded using adapted
               I.C.D. IX - first given (string variables)

Not applicable	-1	2269	92.3
ICD Codes	090.9	1	.0
	216.3	4	.2
	216.4	1	.0
	216.5	1	.0
	216.7	3	.1
	216 9	1	0
	228.0	9	.4
	228.1	1	.0
	229.8	2	.1
	277.0	1	0
	358.8	1	.0
	368.1	1	0
	374.3	1	.0
	389.1	1	0
	389.9	1	.0
	455.9	1	0
	520.1	1	0
	524.3	1	.0
	524.5	1	.0
	550 9	13	.5
	553 1	9	.4

579.0	1	.0
605	1	.0
608.8	1	.0
685.1	1	.0
691.8	2	.1
735.1	1	.0
741.0	2	.1
742.1	2	.1
742.3	2	.1
743.1	1	.0
743.3	2	.1
743.6	8	.3
743.9	1	.0
744.0	1	.0
744.2	1	.0
745.4	2	.1
746.8	4	.2
746.9	1	.0
747.0	1	.0
747.3	1	.0
749.1	1	.0
749.2	3	.1
750.0	1	.0
750.3	2	.1
750.5	1	0
750.6	2	.1
752.4	1	.0
752.5	5	.2
752.6	1	.0
752.8	1	.0
753.0	1	.0
753.2	1	.0
754.2	1	.0
754.3	11	.4
754.5	3	1
754.6	2	.1
754.7	10	.4
755.0	4	.2
755.1	1	.0
755.2	3	1
755.3	1	.0
755.5	2	1
755.6	10	.4
756.0	1	.0
756.1	1	.0
756.3	1	.0
756 8	2	.1
757.3	8	.3
757.6	3	1
758.0	2	.1
778 6	4	.2
783.4	1	.0
785 2	6	.2
TOTAL	2457	100 0

[B0179]   Congenital abnormality coded using adapted
            I.C.D IX - second given (string variables)

Not applicable	-1	2421	98.5
ICD Codes	216.5	1	.0
	228.0	1	0
	229.9	1	.0
	318 1	1	.0
	369 0	1	.0
	379.5	1	.0
	429.3	1	.0
	524 4	1	.0
	550.9	2	.1
	605	1	.0
	608.8	1	.0
	691.8	1	.0
	741.9	1	.0
	742.1	1	.0
	743.3	1	.0
	743 6	2	.1
	744.0	1	.0
	744.2	1	.0
	744.4	1	.0
	752.5	1	.0
	754.0	1	.0
	754.7	3	.1
	755.3	1	.0
	755.6	2	.1
	755.9	1	.0
	756.0	1	0
	756.1	1	.0
	757.3	1	.0
	785.2	2	.1
	785.9	1	.0
	TOTAL	2457	100.0

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[B0180]   Congenital abnormality coded using adapted
            I.C.D. IX - third given (string variables)

Not applicable	-1	2446	99.6
ICD Code	315.9	1	.0
	367.0	1	.0
	379.5	1	.0
	425.3	1	0
	608.8	1	.0
	735.1	1	.0
	737.9	1	.0
	738.7	1	.0
	754.3	1	.0
	755 6	1	.0
	756 0	1	.0
	TOTAL	2457	100.0

[B0181]   Congenital abnormality coded using I.C.D. IX
- fourth given (string variables)

Not applicable	-1	2455	99.9
ICD Codes	416.0	1	.0
	756.4	1	.0
TOTAL		2457	100.0

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[B0190]   Place of examination

Not stated	-3	50	2.0
Hospital	1	5	.2
Health centre	2	1585	64.5
G.P.'s surgery	3	12	.5
Child's home	4	683	27.8
Child's school	5	57	2.3
Other	6	65	2.6
TOTAL		2457	100.0

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[B0191]   Status of examiner

Not stated	-3	32	1.3
Senior medical officer	1	495	20.1
Medical officer	2	1357	55.2
Assistant medical officer	3	469	19.1
General practitioner	4	47	1.9
Health visitor	5	29	1.2
Other	6	28	1.1
TOTAL		2457	100.0

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