

9 Year Parent Booklet Data Coding

Entries in red denote variable names and value coding used in the analysis dataset.

Entries in blue denote variable names and value coding used in the raw data, where this differs from the dataset.

This document was created on 27 February 2008 and last updated in July 2022.

Notes:

1. The layout and formatting of the booklet have been somewhat modified in order to accommodate annotations of variable names and value codes. However, the wording of questions and responses is unchanged. The front and back covers (including the "TEDS Contact Help" sheet on the back) were removed before data entry, so they are not shown in this document.
2. This document shows item variables, not derived variables; however, in some cases the item variables have been recoded or restructured from the raw data, and annotations show where this has been done.
3. In almost all cases, the variable names in the analysis dataset (starting with 'ip') are the same as the variable names used in the raw data. Therefore, the variable names are not duplicated for dataset and raw data, except where some change has been made.
4. In nearly all cases, the value coding in the raw data is the same as that in the dataset, in which case the coding is shown in the red font only.
5. In a few cases, the variable name or value coding in the raw data differs from the coding in the dataset, in which case the raw data variable/coding is shown in blue in addition to the dataset variable/coding shown in red.
6. In the cleaned raw data, a 'missing' response is coded as -99 and 'not applicable' is coded as -77. However, in the analysis dataset these are all recoded to missing values.
7. The booklet contained several text-response questions in the first few pages. These have not been retained in the raw data, therefore they are not annotated in this document. Where text responses were coded into numeric values, this is explained in this blue font.
8. The parent booklet contains many twin-specific items, where the parents are asked questions about the elder and younger twins separately. In the raw data, for twin items, variable name suffixes "1" and "2" refer to the elder and younger twin respectively.
9. In the analysis dataset, all twin-specific items are double-entered with a row of data for every twin. Here, variable name suffixes "1" and "2" refer respectively to twin and cotwin, not to elder and younger twin.

PARENT QUESTIONNAIRE

Thank you for taking the time to complete this questionnaire. All your answers are strictly confidential. You will have seen many of these questions before but please answer every question: it is very important that we keep this information up-to-date.

Please indicate your answers with a cross using BLACK ink.

If you make a mistake, shade out the box completely and cross the right one

Freephone TEDS: 0800 317 029 / Email: TEDS@iop.kcl.ac.uk

ABOUT YOU AND YOUR FAMILY

ID: familyid (numeric data)

Name:

Please confirm:

ipdate (date value), not in dataset:

day month year

Your name Today's date
 your ELDER twin's name
 your YOUNGER twin's name

1. What is your relationship to the twins? (Please cross one box) iprelat:
 (There were negligible for responses other than mother and father, so other responses were not coded)

Birth mother 1	<input type="checkbox"/>	Natural/biological father 2	<input type="checkbox"/>	Grandmother	<input type="checkbox"/>
Stepmother	<input type="checkbox"/>	Stepfather	<input type="checkbox"/>	Grandfather	<input type="checkbox"/>
Foster mother	<input type="checkbox"/>	Foster father	<input type="checkbox"/>	Other	<input type="checkbox"/>

2. What is your marital status at the present time? Are you... (Please cross one box) ipmarist:

married to the natural parent of the twins? 1	<input type="checkbox"/>	married to someone else? 2	<input type="checkbox"/>
cohabiting with the parent of twins? 3	<input type="checkbox"/>	cohabiting with someone else? 4	<input type="checkbox"/>
single and separated (still legally married) 5	<input type="checkbox"/>	single and divorced 6	<input type="checkbox"/>
single and never married 7	<input type="checkbox"/>	single and widowed? 8	<input type="checkbox"/>
Other (recoded to other values above in dataset)	<input type="checkbox"/>		

3. Do you currently live with a partner/spouse? ipartnr: Yes 1 No 0

If No, please go to question 4.

If YES, please tell us his/her name

First name Last name

What is his/her relationship to the twins? (Please cross one box) iparrel:

(There were negligible for 'stepmother' and 'foster father'; where they occurred, they were coded in the 0='other' category. There were no responses for 'grandmother', 'grandfather' or 'foster mother' so these are not coded.)

Birth mother 1	<input type="checkbox"/>	Natural/biological father 2	<input type="checkbox"/>	Grandmother	<input type="checkbox"/>
Stepmother 0	<input type="checkbox"/>	Stepfather 4	<input type="checkbox"/>	Grandfather	<input type="checkbox"/>
Foster mother	<input type="checkbox"/>	Foster father 0	<input type="checkbox"/>	Other 0	<input type="checkbox"/>

If other, please describe:

If he/she IS a natural parent of the twins please go to question 4.

If he/she is NOT a natural parent of the twins for how long has he/she been living in the family?

(Please cross one box) iparlen:

Under 6 months 1	<input type="checkbox"/>	6 months to 1 year 2	<input type="checkbox"/>	1 to 2 years 3	<input type="checkbox"/>
2 to 3 years 4	<input type="checkbox"/>	3 to 4 years 5	<input type="checkbox"/>	Over 4 years 6	<input type="checkbox"/>

See also derived category variable iadults (adults present): 1=biological mother and father, 2=mother/father plus guardian/other, 3=single parent, 9=other/unknown

4. Are there any other adults living in the household? **iplhad1t:**

(Please cross one box) Yes 1 No 0 If No, please go to question 5.

If you have answered yes, please describe. All coded 1=yes (ticked), 0=no:
(There were negligible responses for "lodger" so this variable has been dropped from the dataset; any responses are recoded into the "other" variable.)

Grandparent **iplhgndp** Other relative **iplhorel** nanny/au pair **iplhnann** lodger **iplhldgr** other **iplhothr**

How long have they been living there? (Please cross one box) **iplhlen:**

(There were very few responses in most of the raw groups 1-6, so they have been recoded for the dataset as shown: 1=under 1 year, 2=1 to 4 years, 3=over 4 years.)

Under 6 months 1 1 6 months to 1 year 1 2 1 to 2 years 2 3
2 to 3 years 2 4 3 to 4 years 2 5 Over 4 years 3 6

5. On average, what is your household's income (per year, before tax) **ipincome:**

Under £4,500 1	<input type="checkbox"/>	£4,500 – £9,499 2	<input type="checkbox"/>
£9,500 – £15,499 3	<input type="checkbox"/>	£15,500 – £17,499 4	<input type="checkbox"/>
£17,500 - £24,999 5	<input type="checkbox"/>	£25,000 – £29,999 6	<input type="checkbox"/>
£30,000 - £39,999 7	<input type="checkbox"/>	£40,000 – £49,999 8	<input type="checkbox"/>
£50,000 - £74,999 9	<input type="checkbox"/>	£75,000 – £99,999 10	<input type="checkbox"/>
More than £100,000 11	<input type="checkbox"/>		

6. Have there been any major changes or difficulties in your financial circumstances over the last two years? **ipfinchg:** Yes 1 No 0

If YES, would you describe your financial situation now as... **ipfindif:**

Better 1 Worse 2 Same 3

These two raw variables have been combined into a single dataset variable describing changes in financial circumstances:

ipfinchange:

- 0=no change or difficulty
- 1=yes but same financial situation
- 2=yes, worse financial situation
- 3=yes, better financial situation

7. Do either of the twins have...? (Please cross as many boxes as you need to)

All except 'other' are coded as 1=yes (ticked), 0=no:

	Elder Twin	Younger Twin
Hayfever iphayfv1/2:	<input type="checkbox"/> 1	<input type="checkbox"/> 0
Nut allergy ipnutal1/2:	<input type="checkbox"/> 1	<input type="checkbox"/> 0
Other food allergy ipfooal1/2:	<input type="checkbox"/> 1	<input type="checkbox"/> 0
Eczema ipeczem1/2:	<input type="checkbox"/> 1	<input type="checkbox"/> 0
Asthma ipasthm1/2:	<input type="checkbox"/> 1	<input type="checkbox"/> 0
Other ipothal1/2:	<input type="checkbox"/>	<input type="checkbox"/>
See coding below		

If other allergy, please describe:

Originally recorded as text, any responses have been coded into the variables above. The text has not been retained in the data.

Coding for **ipothal1/2:**

- 0=no
- 1=antibiotics (penicillin or other)
- 2=animals, fur, insect bites (including specific animals like cats, horses)
- 3=skin contact including detergents, face paints, plasters, sun cream, grass
- 9=miscellaneous others

8. Do either of the twins have any (difficulties with their learning?)

iplrndif: raw responses coded 1=elder only, 2=younger only, 3=both, 4=neither

Recoded in dataset to

iplndif1/2: separate variables for each twin, coded 1=yes 0=no.

Yes, elder twin Yes, younger twin Neither twin

If YES, do either of them have one or more of the following? (Please cross as many boxes as you need to)

The following are all coded as 1=yes (ticked), 0=no:

There were very few separate responses for "autism" and "Asperger's", so these were combined into a single variable (*ipldaut1/2*):

	Elder Twin	Younger Twin
Diagnosed autism <i>ipldaut1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Diagnosed Asperger's syndrome <i>ipldaut1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Restless, has difficulties concentrating and finishing tasks <i>ipldrst1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Diagnosed hyperactivity/Attention deficit disorder (ADHD) <i>ipldhyp1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Difficulties in learning to read/dyslexia <i>ipldds11/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Difficulties in learning to write <i>ipldwri1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Difficulties in fine/gross motor skills/co-ordination (e.g. dyspraxia) <i>iplddsp1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Difficulties in maths <i>ipldmth1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Difficulties with speech or language <i>ipldlan1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Difficulties with hearing <i>ipldhea1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Problems with eyesight <i>ipldeye1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Difficulties with spelling <i>ipldsp11/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>
Falling behind generally in school <i>ipldfal1/2</i> :	<input type="checkbox"/>	<input type="checkbox"/>

Does either twin have a Statement of Special Educational Needs (SEN)?

ipsen: raw responses coded 1=elder only, 2=younger only, 3=both, 4=neither

Recoded in dataset to

ipsen1/2: separate variables for each twin, coded 1=yes 0=no.

Elder twin Younger twin Neither twin

Is either twin currently on the Special Educational Needs Register?

ipsenreg: raw responses coded 1=elder only, 2=younger only, 3=both, 4=neither

Recoded in dataset to

ipsenrg1/2: separate variables for each twin, coded 1=yes 0=no.

Elder twin Younger twin Neither twin

9. Now we are going to ask briefly about any changes or events that have had an impact on the family. Thinking back over the last TWO years, could you tell us if any of the following major changes or particular events have occurred?

All coded as 1=yes (ticked), 0=no (not ticked),
 Except for "other" ipleoth (see coding below).

Note that hospitalisation of twins (iplehos1/2) have been double entered like other twin variables.

	Yes		Yes
Hospitalisation of a elder twin iplehos1/2:	<input type="checkbox"/>	Hospitalisation of a younger twin iplehos1/2:	<input type="checkbox"/>
Hospitalisation of parent iplehosp:	<input type="checkbox"/>	Hospitalisation of sibling iplehoss:	<input type="checkbox"/>
Death of parent *	<input type="checkbox"/>	Death of sibling *	<input type="checkbox"/>
Death of a grandparent ipledthg:	<input type="checkbox"/>	Prolonged separation from a parent iplesepp:	<input type="checkbox"/>
Death of other close relative ipledtho:	<input type="checkbox"/>	New parent figure living in the household iplenewp:	<input type="checkbox"/>
New child living in the household iplenewc:	<input type="checkbox"/>	Divorce/separation of natural parents ipledi vp:	<input type="checkbox"/>
Birth of a younger brother or sister iplebirs:	<input type="checkbox"/>	Moved house iplemovh:	<input type="checkbox"/>
Serious illness/injury of relative/family friend ipleillr:	<input type="checkbox"/>	Redundancy/unemployment of parent iplefind:	<input type="checkbox"/>
		Other ipleoth:	<input type="checkbox"/>
		0=no,	
		1=family member moved away,	
		2=death of pet,	
		3=bullying or harrassment	

If "Other", please describe: Originally recorded as text, many responses fell into the categories above and were recoded accordingly. Other responses were recoded into the numeric categories shown above for variable ipleoth.

* There were negligible responses for 'death of parent' and 'death of sibling'. Any such responses have been recoded into 'death of other close relative' (ipledtho).

10. Do you have access to the Internet at home? **ipintrnt:**

(Please cross one box) Yes 1 No 0

Would you be happy for us to contact you by email? Is so please provide an email address

Not retained in raw data: used to update admin records

ABOUT SCHOOL

We would like to know about your twins' **classrooms** and **school friends**. Although some questions may appear similar, please do your best to answer all, as there are subtle differences. We know that some will be difficult to answer, but we are interested in your perceptions, so please let us know what you think. For each item, please mark the box for **Certainly true**, **Somewhat true**, or **Not true**.

The classroom is a place where:

		Certainly true 2	Somewhat true 1	Not true 0
1.	s/he likes to be ipcla011/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	s/he is accepted by other children ipcla021/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	the work s/he does will help him/her in the future ipcla031/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	s/he feels upset ipcla041/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	the work s/he does is interesting ipcla051/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	his/her friends care about the work they do ipcla061/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	the teacher takes an interest in helping with his/her work ipcla071/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	s/he feels unhappy ipcla081/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	s/he gets on well with the other children ipcla091/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	s/he has a lot of fun ipcla101/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	a place where s/he gets excited about the work s/he does ipcla111/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	things s/he learns will help him/her in secondary school ipcla121/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	s/he feels lonely ipcla131/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	the teacher treats him/her fairly ipcla141/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	s/he likes to do extra work ipcla151/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	his/her friends try their best to get high marks ipcla161/2:			
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ABOUT BEHAVIOUR

We would like to know about your twins' behaviour – how they act, think and feel. Here are some descriptions of children. Please tell us if you think each statement is **Certainly true**, **Somewhat true**, or **Not true** for each twin in turn. When you answer think about their behaviour over the last SIX MONTHS.

The About Behaviour section includes items from many different measures. In the raw data, the variables all have prefix "ipbh" and are numbered consecutively as presented in the questionnaire.

For the dataset, the variables have been renamed with prefixes representing the measures as follows:

- SDQ: ipsdq (with an additional prefix per/emo/con/hyp/pro for the subscale)
- CAST: ipcas
- APSD: ipaps
- Proactive aggression: ippag
- Reactive aggression: iprag
- Anxiety measures: ipanx
- ODD: ipodd
- Emotional intelligence: ipemi
- Cognitive ability: ipcoga

The variable numbering within each measure is consistent for equivalent items in the twin and teacher questionnaires at age 9 (CAST, ODD, Emotional intelligence, cognitive ability) and also for equivalent items in the same measure at other ages (SDQ, APSD, anxiety). The numbering is therefore not necessarily consecutive and does not represent the ordering as presented below.

			Raw data variables	Dataset variables	Certainly true 2	Somewhat true 1	Not true 0
1	Generally liked by other children	Elder Twin Younger Twin	ipbh0011 ipbh0012	ipsdqper31/2			
2	Is afraid of animals or insects (like dogs, spiders or snakes)	Elder Twin Younger Twin	ipbh0021 ipbh0022	ipanx181/2			
3	Makes the most of a tedious (long or repetitive) task	Elder Twin Younger Twin	ipbh0031 ipbh0032	ipemi11/2			
4	Thinks s/he is more important than others	Elder Twin Younger Twin	ipbh0041 ipbh0042	ipaps161/2			
5	Often unhappy, down-hearted or tearful	Elder Twin Younger Twin	ipbh0051 ipbh0052	ipsdqemo31/2			
6	Able to keep a two-way conversation going	Elder Twin Younger Twin	ipbh0061 ipbh0062	ipcas051/2			
7	Often argues with adults	Elder Twin Younger Twin	ipbh0071 ipbh0072	ipodd11/2			
8	Has an unusual memory for specific details	Elder Twin Younger Twin	ipbh0081 ipbh0082	ipcas081/2			
9	Gets on better with adults than with other children	Elder Twin Younger Twin	ipbh0091 ipbh0092	ipsdqper51/2			
10	Gets bored easily	Elder Twin Younger Twin	ipbh0101 ipbh0102	ipaps091/2			
11	Sees tasks through to the end, good attention span	Elder Twin Younger Twin	ipbh0111 ipbh0112	ipsdqhyp51/2			
12	Strongly refuses or resists sleeping alone	Elder Twin Younger Twin	ipbh0121 ipbh0122	ipanx201/2			
13	Acts without thinking of the consequences	Elder Twin Younger Twin	ipbh0131 ipbh0132	ipaps041/2			
14		Elder Twin	ipbh0141	ipsdqemo41/2			

			Raw data variables	Dataset variables	Certainly true 2	Somewhat true 1	Not true 0
	Nervous or clingy in new situations, easily loses confidence	Younger Twin	ipbh0142				
15	Brags excessively about his/her abilities, accomplishments, or possessions	Elder Twin Younger Twin	ipbh0151 ipbh0152	ipaps081/2			
16	Often volunteers to help others such as parents, teachers, other children	Elder Twin Younger Twin	ipbh0161 ipbh0162	ipsdqpro51/2			
17	Generally obedient or usually does what adults request	Elder Twin Younger Twin	ipbh0171 ipbh0172	ipsdqcon21/2			
18	Often deliberately does things that annoy other people	Elder Twin Younger Twin	ipbh0181 ipbh0182	ipodd31/2			
19	Has at least one good friend	Elder Twin Younger Twin	ipbh0191 ipbh0192	ipsdqper21/2			
20	Unusual eye gaze, facial expression, voice or gestures	Elder Twin Younger Twin	ipbh0201 ipbh0202	ipcas161/2			
21	Often complains of headaches, stomach aches, and sickness	Elder Twin Younger Twin	ipbh0211 ipbh0212	ipsdqemo11/2			
22	Uses physical force to dominate	Elder Twin Younger Twin	ipbh0221 ipbh0222	ippag11/2			
23	Doesn't enjoy him/herself	Elder Twin Younger Twin	ipbh0231 ipbh0232	ipanx101/2			
24	Is clever	Elder Twin Younger Twin	ipbh0241 ipbh0242	ipcoga11/2			
25	Becomes angry when corrected or punished	Elder Twin Younger Twin	ipbh0251 ipbh0252	ipaps151/2			
26	Likes using his/her brain.	Elder Twin Younger Twin	ipbh0261 ipbh0262	ipemi21/2			
27	Picked on or bullied by other children	Elder Twin Younger Twin	ipbh0271 ipbh0272	ipsdqper41/2			
28	Steals from home, school or elsewhere	Elder Twin Younger Twin	ipbh0281 ipbh0282	ipsdqcon51/2			
29	Lies easily and skilfully	Elder Twin Younger Twin	ipbh0291 ipbh0292	ipaps061/2			
30	Takes criticism constructively	Elder Twin Younger Twin	ipbh0301 ipbh0302	ipemi31/2			
31	Can be charming at times, but in ways that seem insincere or superficial	Elder Twin Younger Twin	ipbh0311 ipbh0312	ipaps141/2			
32	Restless, overactive, cannot stay still for long	Elder Twin Younger Twin	ipbh0321 ipbh0322	ipsdqhyp11/2			
33	Often lies or cheats	Elder Twin Younger Twin	ipbh0331 ipbh0332	ipsdqcon41/2			
34	Often makes comments critical of him/herself	Elder Twin Younger Twin	ipbh0341 ipbh0342	ipanx111/2			
35	Blames others in fights	Elder Twin Younger Twin	ipbh0351 ipbh0352	iprag11/2			
36	Considerate of other people's feelings	Elder Twin Younger Twin	ipbh0361 ipbh0362	ipsdqpro11/2			
37	Constantly fidgeting or squirming	Elder Twin Younger Twin	ipbh0371 ipbh0372	ipsdqhyp21/2			

			Raw data variables	Dataset variables	Certainly true 2	Somewhat true 1	Not true 0
38	Prefers imaginative activities such as role-playing or story-telling, rather than numbers or lists of facts	Elder Twin Younger Twin	ipbh0381 ipbh0382	ipcas141/2			
39	Often fights with other children or bullies them	Elder Twin Younger Twin	ipbh0391 ipbh0392	ipsdqcon31/2			
40	Teases or makes fun of other people	Elder Twin Younger Twin	ipbh0401 ipbh0402	ipaps111/2			
41	Many fears or easily scared	Elder Twin Younger Twin	ipbh0411 ipbh0412	ipsdqemo51/2			
42	Often has temper tantrums or hot tempers	Elder Twin Younger Twin	ipbh0421 ipbh0422	ipsdqcon11/2			
43	Thinks things out before acting	Elder Twin Younger Twin	ipbh0431 ipbh0432	ipsdqhyp41/2			
44	Threatens and bullies others	Elder Twin Younger Twin	ipbh0441 ipbh0442	ippag21/2			
45	Complains or whines a lot	Elder Twin Younger Twin	ipbh0451 ipbh0452	ipanx121/2			
46	Easily distracted or concentration wanders	Elder Twin Younger Twin	ipbh0461 ipbh0462	ipsdqhyp31/2			
47	Important to him/ her to fit in with the peer group	Elder Twin Younger Twin	ipbh0471 ipbh0472	ipcas011/2			
48	Tends to take things literally	Elder Twin Younger Twin	ipbh0481 ipbh0482	ipcas201/2			
49	Is afraid of small closed spaces, heights, water, or the dark	Elder Twin Younger Twin	ipbh0491 ipbh0492	ipanx011/2			
50	Odd style of communication: old fashioned, formal or pedantic	Elder Twin Younger Twin	ipbh0501 ipbh0502	ipcas021/2			
51	Has a strong interest in an unusual topic	Elder Twin Younger Twin	ipbh0511 ipbh0512	ipcas031/2			
52	Is concerned about the feelings of others	Elder Twin Younger Twin	ipbh0521 ipbh0522	ipaps181/2			
53	Often touchy or easily annoyed by others	Elder Twin Younger Twin	ipbh0531 ipbh0532	ipodd41/2			
54	Has low self confidence	Elder Twin Younger Twin	ipbh0541 ipbh0542	ipanx131/2			
55	Likes to do things over and over again, in the same way all the time	Elder Twin Younger Twin	ipbh0551 ipbh0552	ipcas131/2			
56	Takes a long time to warm to strangers	Elder Twin Younger Twin	ipbh0561 ipbh0562	ipanx021/2			
57	Finds it easy to interact with other children	Elder Twin Younger Twin	ipbh0571 ipbh0572	ipcas171/2			
58	Often angry and resentful	Elder Twin Younger Twin	ipbh0581 ipbh0582	ipodd51/2			
59	Keeps the same friends	Elder Twin Younger Twin	ipbh0591 ipbh0592	ipaps201/2			
60	Has mostly the same interests as peers	Elder Twin Younger Twin	ipbh0601 ipbh0602	ipcas061/2			
61	Many worries or often seems worried	Elder Twin Younger Twin	ipbh0611 ipbh0612	ipsdqemo21/2			
62	People are important to him/ her	Elder Twin Younger Twin	ipbh0621 ipbh0622	ipcas181/2			

			Raw data variables	Dataset variables	Certainly true 2	Somewhat true 1	Not true 0
63	Often spiteful or vindictive	Elder Twin	ipbh0631	ipodd61/2			
		Younger Twin	ipbh0632				
64	Is good at keeping promises	Elder Twin	ipbh0641	ipaps071/2			
		Younger Twin	ipbh0642				
65	Fussy or over-particular	Elder Twin	ipbh0651	ipanx141/2			
		Younger Twin	ipbh0652				
66	Often does or says things that are tactless or socially inappropriate	Elder Twin	ipbh0661	ipcas091/2			
		Younger Twin	ipbh0662				
67	Knows how to solve problems that s/he meets	Elder Twin	ipbh0671	ipcoga21/2			
		Younger Twin	ipbh0672				
68	Rather solitary or tends to play alone	Elder Twin	ipbh0681	ipsdqper11/2			
		Younger Twin	ipbh0682				
69	His/her emotions seem shallow and not genuine	Elder Twin	ipbh0691	ipaps051/2			
		Younger Twin	ipbh0692				
70	Makes unusual or repetitive movements	Elder Twin	ipbh0701	ipcas071/2			
		Younger Twin	ipbh0702				
71	Gets others to gang up on a peer	Elder Twin	ipbh0711	ippag31/2			
		Younger Twin	ipbh0712				
72	Social behaviour is very one-sided and always on his/ her own terms	Elder Twin	ipbh0721	ipcas041/2			
		Younger Twin	ipbh0722				
73	Kind to younger children	Elder Twin	ipbh0731	ipsdqpro41/2			
		Younger Twin	ipbh0732				
74	Loses the listener because of not explaining what s/he is talking about	Elder Twin	ipbh0741	ipcas111/2			
		Younger Twin	ipbh0742				
75	Tends to blame him/herself	Elder Twin	ipbh0751	ipanx151/2			
		Younger Twin	ipbh0752				
76	Does not plan ahead or leaves things until last minute	Elder Twin	ipbh0761	ipaps171/2			
		Younger Twin	ipbh0762				
77	Is afraid in social situations	Elder Twin	ipbh0771	ipanx031/2			
		Younger Twin	ipbh0772				
78	Tends to check that some things are done exactly 'right'	Elder Twin	ipbh0781	ipanx041/2			
		Younger Twin	ipbh0782				
79	Cares how s/he is perceived by the rest of the group	Elder Twin	ipbh0791	ipcas191/2			
		Younger Twin	ipbh0792				
80	Asks for reassurance that s/he is OK	Elder Twin	ipbh0801	ipanx051/2			
		Younger Twin	ipbh0802				
81	Uses or 'cons' other people to get what s/he wants	Elder Twin	ipbh0811	ipaps101/2			
		Younger Twin	ipbh0812				
82	If doing poorly in a subject, puts in more effort so that s/he improves	Elder Twin	ipbh0821	ipemi41/2			
		Younger Twin	ipbh0822				
83	Anxious that bad things will happen	Elder Twin	ipbh0831	ipanx191/2			
		Younger Twin	ipbh0832				
84	Blames others for his/her mistakes	Elder Twin	ipbh0841	ipaps011/2			
		Younger Twin	ipbh0842				
85	Insists on doing something over and over so that it interferes with day to day life	Elder Twin	ipbh0851	ipanx061/2			
		Younger Twin	ipbh0852				
86	Tends to be shy or timid	Elder Twin	ipbh0861	ipanx071/2			
		Younger Twin	ipbh0862				
87		Elder Twin	ipbh0871	ipaps131/2			

			Raw data variables	Dataset variables	Certainly true 2	Somewhat true 1	Not true 0
	Engages in risky or dangerous activities	Younger Twin	ipbh0872				
88	Is afraid of medical procedures such as going to see the doctor/dentist	Elder Twin Younger Twin	ipbh0881 ipbh0882	ipanx081/2			
89	Has twitches, mannerisms, or tics of the face and body	Elder Twin Younger Twin	ipbh0891 ipbh0892	ipanx091/2			
90	Is concerned about how well s/he does at school	Elder Twin Younger Twin	ipbh0901 ipbh0902	ipaps031/2			
91	Feels bad or guilty when s/he does something wrong	Elder Twin Younger Twin	ipbh0911 ipbh0912	ipaps121/2			
92	Helpful if someone is hurt, upset or feeling ill	Elder Twin Younger Twin	ipbh0921 ipbh0922	ipsdqpro31/2			
93	Is often extremely upset or distressed when parent leaves	Elder Twin Younger Twin	ipbh0931 ipbh0932	ipanx161/2			
94	When teased, strikes back	Elder Twin Younger Twin	ipbh0941 ipbh0942	iprag21/2			
95	Does not show feelings or emotions	Elder Twin Younger Twin	ipbh0951 ipbh0952	ipaps191/2			
96	Thinks having fun with friends is more important than finishing class work	Elder Twin Younger Twin	ipbh0961 ipbh0962	ipemi51/2			
97	Turns conversations to his/her favourite subject rather than following what the other person wants to talk about	Elder Twin Younger Twin	ipbh0971 ipbh0972	ipcas101/2			
98	Finds learning easy	Elder Twin Younger Twin	ipbh0981 ipbh0982	ipcoga31/2			
99	Overreacts angrily to accidents	Elder Twin Younger Twin	ipbh0991 ipbh0992	iprag31/2			
100	Engages in illegal activities	Elder Twin Younger Twin	ipbh1001 ipbh1002	ipaps021/2			
101	Seems keyed up, on edge or tense	Elder Twin Younger Twin	ipbh1011 ipbh1012	ipanx171/2			
102	Shares readily with other children (such as treats, toys, pencils, etc.)	Elder Twin Younger Twin	ipbh1021 ipbh1022	ipsdqpro21/2			

ABOUT HOME

The following questions are about your twins' habits, learning and interests, at school and at home.

			Certainly true		Somewhat true		Not true
1.	I make sure that my child sets aside quiet time for doing homework. iphom011/2:	Elder Twin	<input type="checkbox"/> 2		<input type="checkbox"/> 1		<input type="checkbox"/> 0
		Younger Twin	<input type="checkbox"/> 2		<input type="checkbox"/> 1		<input type="checkbox"/> 0
2.	The television is usually on when my child is doing homework iphom021/2:	Elder Twin	<input type="checkbox"/> 2		<input type="checkbox"/> 1		<input type="checkbox"/> 0
		Younger Twin	<input type="checkbox"/> 2		<input type="checkbox"/> 1		<input type="checkbox"/> 0
3.	I (or someone else) often help my child with homework because s/he needs help. iphom031/2:	Elder Twin	<input type="checkbox"/> 2		<input type="checkbox"/> 1		<input type="checkbox"/> 0
		Younger Twin	<input type="checkbox"/> 2		<input type="checkbox"/> 1		<input type="checkbox"/> 0
4.	I (or someone else) help with homework that my child should really be doing alone iphom041/2:	Elder Twin	<input type="checkbox"/> 2		<input type="checkbox"/> 1		<input type="checkbox"/> 0
		Younger Twin	<input type="checkbox"/> 2		<input type="checkbox"/> 1		<input type="checkbox"/> 0

5. How many nights per week does your child's teacher set homework? **iphom051/2:**

Elder Twin	<input type="checkbox"/>					
	0	1	2	3	4	5
Younger Twin	<input type="checkbox"/>					
	0	1	2	3	4	5+

Please only answer the next question if your child's teacher sets homework 1 or more nights per week.

6. About how many hours does your child spend doing homework each night? **iphom061/2:**

(There were negligible responses in the 4th category so the dataset variable is recoded to 3=3 or more.)

Elder Twin	<input type="checkbox"/>				
	0	1	2	3	3+
Younger Twin	<input type="checkbox"/>				
	0	1	2	3	3

7. I think a good education is very important. **iphom07x:**

8. I think it is important for my child to try and do his/her best in school.

iphom08x:

9. I often discuss with my child what s/he has been doing in school. **iphom091/2:**

10. I am interested in the marks my child gets at school

iphom101/2:

	Certainly true	Somewhat true	Not true
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	1	0
8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	1	0
9. Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	1	0
9. Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	1	0
10. Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	1	0
10. Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	1	0

		Certainly true		Somewhat true		Not true	
11. The twins have a regular bedtime routine. iphom11x ipchaos1x		<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
12. You can't hear yourself think in our home. iphom12x ipchaos2x		<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
13. It's a real zoo in our home. iphom13x ipchaos3x		<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
14. We are usually able to stay on top of things. iphom14x ipchaos4x		<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
15. There is usually a television turned on somewhere in our home. iphom15x ipchaos5x		<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
16. The atmosphere in our house is calm. iphom16x ipchaos6x		<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
17. My child often reads for fun. iphom171/2:	Elder Twin	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
	Younger Twin	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
18. I often read to my child. iphom181/2:	Elder Twin	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
	Younger Twin	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
19. Someone in our family has taken my child to a museum (children's, scientific, art, historical etc) in the last year. iphom191/2:	Elder Twin	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
	Younger Twin	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
20. We have a computer at home, which my child often uses. iphom201/2:	Elder Twin	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
	Younger Twin	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	0
21. How many books (child AND adult) do you have in your home? iphom21x:		<input type="checkbox"/>					
		0	1	2	3	4	5
		1	1	2	3	4	5
		0	1-10	11-25	26-50	51-100	100+
(There were negligible numbers in the first raw category above, so the dataset variable is recoded such that 1=0-10 as shown.)							
22. On a normal school day how many hours of television does your child watch? iphom221/2:	Elder Twin	<input type="checkbox"/>					
		0	1	2	3	4	5
	Younger Twin	<input type="checkbox"/>					
		0	1	2	3	4	5+
23. On a normal weekend day how many hours of television does your child watch? iphom231/2:	Elder Twin	<input type="checkbox"/>					
		0	1	2	3	4	5+
	Younger Twin	<input type="checkbox"/>					
		0	1	2	3	4	5+

BEING A PARENT

Parents have many ways of helping their children behave well and different children need different sorts of discipline. Here are some methods which parents commonly use.

		Often	Sometimes	Rarely or never
24. When my child misbehaves I use the following methods:				
Give a smack	ipdisma1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tell him/her off or shout at him/her	ipdisho1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Explain or reason with him/her.	ipdiexp1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Be firm or calm with him/her.	ipdifir1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Make a joke out of it.	ipdijok1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ask someone else to deal with the situation.	ipdiask1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Every parent experiences all sorts of positive and negative feelings towards their children. Please tell us how often you experience the following common feelings.

		Often	Sometimes	Rarely or never
25. I feel impatient with my child	ipbpimp1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. I feel happy about my relationship with my child	ipbphap1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. I am amused by my child	ipbpamu1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. I sometimes wish my child would leave me alone for a few minutes	ipbpa1o1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. My child makes me angry	ipbpang1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. I feel close to my child	ipbpc1o1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. I feel frustrated by my child	ipbpf1ru1/2:	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> 0
	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

32. How many days a week does your child eat an evening meal with at least one of his/her parent(s)? **ipbpeat1/2:**

Elder Twin	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7
Younger Twin	<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7
	0	1	2	3	4	5	6	7

33. On a normal school night how many hours sleep does your child usually get? **ipbpsle1/2:**

Elder Twin	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
	6 or less	7	8	9	10	11+
Younger Twin	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
	6 or less	7	8	9	10	11+

ABOUT COMMUNICATION

We would like to know about how children communicate at this age. We know from experience that children can be very different. Please think about each twin in turn and cross one box for each statement.

Raw values 3=don't know are recoded to missing in the dataset.

Raw data coding:

Dataset coding:

Not true	Somewhat true	Certainly true	Don't know
0	1	2	3

0	1	2	3
---	---	---	---

Statement	Twin	Not true (0)	Somewhat true (1)	Certainly true (2)	Don't know (3)
1. People can understand almost everything child says ipcom011/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Rarely makes mistakes in saying speech sounds ipcom021/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Speech sounds child makes seem like that of a younger child, for example, says things like, 'tat' for 'cat,' or 'chimbly' for 'chimney,' or 'bokkle' for 'bottle' ipcom031/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. It is much harder to understand when child is talking in sentences, rather than just saying single words ipcom041/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Speech is mostly 2 or 3 word phrases such as 'me got ball' or 'give dolly' ipcom051/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Can say long and complicated sentences such as: 'When we went to the park I had a go on the swings': 'I saw this man standing on the corner' ipcom061/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Tends to leave out words and grammatical endings, saying sentences such as 'I find two dog'; 'John go there yesterday'; 'My grandma cat been ill' ipcom071/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Sometimes makes mistakes on pronouns, for example, saying 'she' rather than 'he' or vice versa ipcom081/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Can give easy-to-follow account of a past event such as a birthday party or holiday ipcom091/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Can talk clearly about what s/he plans to do in the future (for example, tomorrow or next week) ipcom101/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Finds it hard to tell a story, or describe what s/he has done in an order that makes sense ipcom111/2:	Elder Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Younger Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- | | | Not true | Somewhat true | Certainly true | Don't know |
|-----|--|-------------------|---------------|----------------|------------|
| 12. | Uses words like 'he' or 'it' without making clear what s/he is talking about ipcom121/2: | Elder Twin
0 | 1 | 2 | 3 |
| | | Younger Twin
0 | 1 | 2 | 3 |
| 13. | We are interested in whether any close relatives of your twins had difficulties in learning to talk or to read when they were children. All recoded to 1=late in talking or other language problems, 2=difficulty learning to read, 3=both, 4=neither | | | | |

	Relative	Late in talking or other language problems	Difficulty learning to read
	ipmumld: Twins' mother	<input type="checkbox"/>	<input type="checkbox"/>
	ipdadld: Twins' father	<input type="checkbox"/>	<input type="checkbox"/>
Twins' grandmother	ipmgmld: mother's biological mother	<input type="checkbox"/>	<input type="checkbox"/>
	ippgmld: father's biological mother	<input type="checkbox"/>	<input type="checkbox"/>
Twins' grandfather	ipmgfld: mother's biological father	<input type="checkbox"/>	<input type="checkbox"/>
	ippgfld: father's biological father	<input type="checkbox"/>	<input type="checkbox"/>
Twins' older siblings	iposbld: brother(s)	<input type="checkbox"/>	<input type="checkbox"/>
	ipossld: sister(s)	<input type="checkbox"/>	<input type="checkbox"/>
Twins' younger siblings	ipysbld: brother(s)	<input type="checkbox"/>	<input type="checkbox"/>
	ipyssld: sister(s)	<input type="checkbox"/>	<input type="checkbox"/>

ABOUT LEARNING

On this page there is a set of questions asking you **how good** you think your twins are at different activities, and **how much they like** these activities. Please read each question carefully and try to answer them as best as you can.

How good do you think your children are at:		Very good	Quite good	Doing OK	Not so good	Not at all good
1. Reading? ipgoo011/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
2. Writing? ipgoo021/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
3. Spelling? ipgoo031/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
4. Solving number and money problems? ipgoo041/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
5. Doing mental arithmetic? ipgoo051/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
6. Multiplying and dividing? ipgoo061/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
7. Learning about nature and living things? ipgoo071/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
8. Testing things out to see what they do? (e.g. magnets) ipgoo081/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
9. Finding out how things work? (e.g. the human body) ipgoo091/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5

		Very good	Quite good	Doing OK	Not so good	Not at all good
10. Playing team games? ipgoo101/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
11. Races and competitions? ipgoo111/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
12. PE classes? ipgoo121/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5

How much does your child like?

		Likes it very much	Does like it	Think it's OK	Doesn't like it at all	Dislikes it very much
1. Reading? iplik011/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
2. Writing? iplik021/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
3. Spelling? iplik031/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
4. Solving number and money problems? iplik041/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
5. Doing mental arithmetic? iplik051/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
6. Multiplying and dividing? iplik061/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
7. Learning about nature and living things? iplik071/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
8. Testing things out to see what they do? (e.g. magnets) iplik081/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
9. Finding out how things work? (e.g. the human body) iplik091/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
10. Playing team games? iplik101/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
11. Races and competitions? iplik111/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5
12. PE classes? iplik121/2:	Elder Twin	1	2	3	4	5
	Younger Twin	1	2	3	4	5

**Thank you very much for completing this questionnaire.
We would not be able to do our research without you!**