

7 Year Parent Booklet Coding

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

Entries in blue denote variable names and values in the raw data.

This document was created on 19 October 2007 and updated in March 2014, August 2018 and August 2022 to reflect changes in the dataset.

Notes:

1. The layout and formatting of the booklet have been somewhat modified to accommodate annotations of variable names and value codes. Page numbering has been removed because of the extra space taken up by annotation. However, the formatting remains approximately as it was in the original booklet. The text of the questions and response options are unchanged.
2. Some items, notably verbatim text data, and sibling data, are not included in the dataset, so are not annotated with variable names in this document. In many cases, however, the verbatim text items are recorded in the raw data.
3. This document shows item variables, not derived variables; however, in some cases the dataset item variables have been recoded or restructured from the raw data. Any such changes are annotated.
4. In all cases, the variable names in the analysis dataset (starting with 'g' or 'gp') differ from the variable names used in the raw data (starting with 'QP'), and both are shown.
5. The value coding, for categorical items, is in many cases the same in the dataset variables as in the raw data - where this is the case, the coding is shown only once, in red.
6. Where the value coding has been changed from raw data to dataset variables, the coding is shown twice, in red for the dataset variables and in blue for the raw data.
7. In the 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. This coding of missing values is not annotated in this document because it applies to all variables.
8. The parent booklet contains many twin-specific items, where the parents are asked questions about the elder and younger twins separately. For such items, there are two variables having the same name except for the suffix "1" or "2". In the raw data, reflecting the structure of the questions as shown, the variable with name ending in "1" is for the elder twin and the variable with name ending in "2" is for the younger twin. The analysis dataset is double-entered with a row of data for every twin, and two variables representing the same item for twin and cotwin; here, the variable with name ending "1" is for the twin, while the variable with name ending "2" is for the cotwin, regardless of which is elder or younger.
9. A few of the questions were included in the booklet for admin reasons - parent and twin names, details of siblings, teacher and school names. These were used at the time of data collection for updating the TEDS admin system, but they have not been retained in the raw data.
10. The booklet contains several other questions that elicited a free text response. Generally, such text responses have been recoded into numeric categories, which is annotated in the usual way. The original verbatim text responses have generally not been retained in the raw data, unless otherwise indicated. Text variables are not included in the dataset.

PARENT QUESTIONNAIRE

Thank you for taking the time to complete this questionnaire.
All your answers are strictly confidential.

Please indicate your answers with a cross using a BLACK pen.

Please feel free to contact us by phone or email:
Freephone TEDS: 0800 317 029 / Email: TEDS@iop.kcl.ac.uk

Please confirm: Your name (not retained in data) Today's date
the ELDER twin's name (not retained in data)
the YOUNGER twin's name (not retained in data)
(the date is not retained in the dataset but is used to
derive the twin age when the parent booklet was completed)

Day	Month	Year
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>
date_d (1-31)	date_m (1-12)	date_y (yyyy)

ABOUT YOU AND YOUR FAMILY

gresprel
QP2

What is your relationship to the twins?

There were negligible or no responses in most of these categories - all except the first two have been recoded to 0=other in the raw data and the dataset.

- | | | |
|--|---|---|
| 1 Birth mother <input style="width: 20px; height: 20px;" type="text"/> | 2 Natural/biological father <input style="width: 20px; height: 20px;" type="text"/> | Grandmother <input style="width: 20px; height: 20px;" type="text"/> |
| Stepmother <input style="width: 20px; height: 20px;" type="text"/> | Stepfather <input style="width: 20px; height: 20px;" type="text"/> | Grandfather <input style="width: 20px; height: 20px;" type="text"/> |
| Foster mother <input style="width: 20px; height: 20px;" type="text"/> | Foster father <input style="width: 20px; height: 20px;" type="text"/> | 0 Other <input style="width: 20px; height: 20px;" type="text"/> |

If other, please describe: (not retained in data)

gpartner QP3

Do you currently live with a partner/spouse?

- | | |
|---|--|
| 1 Yes <input style="width: 20px; height: 20px;" type="text"/> | 0 No <input style="width: 20px; height: 20px;" type="text"/> |
| 1 | 2 |

If YES, please tell us his/her name:

First Name (not retained in data)

Last Name (not retained in data)

gpartrel QP3b

And what is his/her relationship to the twins?

There were negligible or no responses in most of these categories - all except the first two and 'stepfather' have been recoded to 0=other in the raw data and dataset.

- | | | |
|--|---|---|
| 1 Birth mother <input style="width: 20px; height: 20px;" type="text"/> | 2 Natural/biological father <input style="width: 20px; height: 20px;" type="text"/> | Grandmother <input style="width: 20px; height: 20px;" type="text"/> |
| Stepmother <input style="width: 20px; height: 20px;" type="text"/> | 4 Stepfather <input style="width: 20px; height: 20px;" type="text"/> | Grandfather <input style="width: 20px; height: 20px;" type="text"/> |
| Foster mother <input style="width: 20px; height: 20px;" type="text"/> | Foster father <input style="width: 20px; height: 20px;" type="text"/> | 0 Other <input style="width: 20px; height: 20px;" type="text"/> |

If other, please describe: where given, the text responses were recoded into the other categories above (text not retained in data)

gparthl QP3d

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

- | | | |
|--|--|--|
| 1 Under 6 months <input style="width: 20px; height: 20px;" type="text"/> | 2 6 months to 1 year <input style="width: 20px; height: 20px;" type="text"/> | 3 1 to 2 years <input style="width: 20px; height: 20px;" type="text"/> |
| 4 2 to 3 years <input style="width: 20px; height: 20px;" type="text"/> | 5 3 to 4 years <input style="width: 20px; height: 20px;" type="text"/> | 6 Over 4 years <input style="width: 20px; height: 20px;" type="text"/> |

See also derived category variable gadults (adult parents in the home): 1=biological mother and father, 2=mother or father plus guardian or other, 3=single parent, 4=mother with unspecified partner, 9=unknown or other.

(sibling data from the section below were used to update the TEDS admin system but have not been retained either in the raw data or in the dataset)

Do the twins have any brothers or sisters? Yes No

Please give their name(s) and date of birth below, starting with the youngest:

Child's name

Date of Birth

Day Month Year Male Female

Does this child have the same parents as the twins?

Both parents the same Same mum Same dad No parent the same

Next child's name

Date of Birth

Day Month Year Male Female

Does this child have the same parents as the twins?

Both parents the same Same mum Same dad No parent the same

Next child's name

Date of Birth

Day Month Year Male Female

Does this child have the same parents as the twins?

Both parents the same Same mum Same dad No parent the same

Next child's name

Date of Birth

Day Month Year Male Female

Does this child have the same parents as the twins?

Both parents the same Same mum Same dad No parent the same

If you do not have enough space, please give the same information about the twins' other brothers and sisters here:

Other Adults

gotherad: the two raw items below are recoded into a single variable coded 0=no, 1=yes: relative, 2=yes: domestic help, 3=yes, other or unspecified

QP7a

Are there any other adults living in the household, apart from yourself and your spouse/partner?

1 Yes 2 No

If YES, please describe below who this person is and how long they have been living with your family:

Person who lives in your household: QP7b: original text recoded into numeric categories:

1=relative (e.g. twins' grandparent, uncle/aunt, adult sibling)

2=domestic help (e.g. au pair, nanny, housekeeper)

3=other (e.g. lodger, unspecified persons)

gotherhl QP7c

How long have they been living there?

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

grespmstatus QP3e

Please can you tell us your marital status at the present time? Are you.....

Please mark one box only

<input type="checkbox"/>	1 married to the natural parent of the twins?	<input type="checkbox"/>	5 divorced?
<input type="checkbox"/>	2 married to someone else?	<input type="checkbox"/>	6 separated?
<input type="checkbox"/>	3 cohabiting with the parent of twins?	<input type="checkbox"/>	7 widowed?
<input type="checkbox"/>	4 cohabiting with someone else?	<input type="checkbox"/>	8 unmarried?
<input type="checkbox"/>		<input type="checkbox"/>	9 single, unspecified

Additional response code 9 was inferred for parents who did not answer this question but who said there was no partner in the question on the previous page.

Now we would like to ask you a little more about the adults living in the household. Some of you may have given us this information before. If so, we apologise for asking you again. We do this because things may have changed over the years for some people and we would like to be as accurate as possible in our research.

grespwork QP8a

At the moment are you:

Please mark one item only.

- 1 a full time parent? If so, please go to Qualifications on next page
- 2 working full time? If so, please go to Work section on next page
- 3 working part time? If so, please go to Work section on next page
- 4 studying for a qualification? If so, please go to Qualifications on next page
- 5 unemployed/on a government benefit?

grespunem QP8f

If you are currently unemployed/on a government benefit, please tell us for how long:

- 1 Less than 3 months
- 2 3 to 6 months
- 3 7 to 11 months
- 4 1 to 2 years
- 5 Over 2 years

Work

grespvoc ParentSoc

1 to 9 (SOC levels). Raw responses to the two questions below (job title and industry) were coded into this ordinal employment level category.

See the appendix for a list of the 9 SOC categories.

If you are working full-time or part-time, what is your full job title? (text not retaining after coding)

What business or industry is your job in? (text not retaining after coding)

The following 3 raw variables have been recoded into a single dataset variable as shown below.

QP11 Are you self-employed or do you work for an employer? Self-employed 1 Work for an employer 2

QP11a If you are self-employed, do you have any employees? Yes 1 No 2

QP11b If YES, can you specify how many employees you have?
 4 employees or less 1 5 to 9 employees 2
 10 to 19 employees 3 20 employees, or more 4

grespselfemstat:

Code values	Meaning	QP11	QP11a	QP11b
0	Not self-employed	2		
1	Self-employed without employees	1	2	
2	Self-employed, <= 4 employees	1	1	1
3	Self-employed, 5-9 employees	1	1	2
4	Self-employed, 10-19 employees	1	1	3
5	Self-employed, >= 20 employees	1	1	4

The following 2 raw variables, together with QP11 above, have been recoded into a single dataset variable as shown below.

QP12a

If you are employed by a business/company, would you describe yourself as a:

- | | | | |
|---------|--------------------------------|--------------------|--------------------------------|
| Manager | <input type="text" value="1"/> | Supervisor/Foreman | <input type="text" value="3"/> |
| Trainee | <input type="text" value="2"/> | Employee | <input type="text" value="4"/> |

QP12b

If applicable, could you confirm the number of people you are responsible for?

- | | | | |
|-------------------|--------------------------------|---------------------|--------------------------------|
| 4 or less workers | <input type="text" value="1"/> | 5 to 9 workers | <input type="text" value="2"/> |
| 10 to 19 workers | <input type="text" value="3"/> | 20 workers, or more | <input type="text" value="4"/> |

grespemploystat:

Code values	Meaning	QP11	QP12a	QP12b
0	Not working for employer (self-employed)	1		
1	Employed as trainee or employee	2	2 or 4	
2	Manager/supervisor of <= 4 workers	2	1 or 3	1
3	Manager/supervisor of 5-9 workers	2	1 or 3	2
4	Manager/supervisor of 10-19 workers	2	1 or 3	3
5	Manager/supervisor of >=20 workers	2	1 or 3	4

grespwrkhrs QP13

How many hours do you work a week?

- | | | | | | |
|------------------------|----------------------|-------------------------|----------------------|---------------------------|----------------------|
| 1 5 to 19 hours a week | <input type="text"/> | 2 20 to 29 hours a week | <input type="text"/> | 3 30 to 39 hours a week | <input type="text"/> |
| 4 40 to 49 hours | <input type="text"/> | 5 50 to 59 hours a week | <input type="text"/> | 6 60 hours or more a week | <input type="text"/> |

gresphqual: this single dataset variable replaces the two raw variables below, with coded values 1 to 7 as shown (1=no qualifications).

QP14 Do you have any educational qualifications? Yes No

QP14a

If YES, could you confirm your HIGHEST level of qualification?

		Additional qualifications coded from 'other' responses
<input type="text" value="2"/>	2 1 to 4 O levels/CSE's/GCSE's/Standards (any grades)	Level 1 (NVQ, BTEC, etc)
<input type="text" value="3"/>	3 5+ O levels/5+ CSE's (grade 1), 5+ GCSE's (grades A to C)	Level 2 (NVQ, BTEC, etc), secretarial (RSA, CLAIT, etc), qualified teaching assistant
<input type="text" value="4"/>	4 1 A level or AS Level	
<input type="text" value="5"/>	5 2 or more A levels, 4+ AS levels, or any Higher School Certificates	Level 3 (NVQ, BTEC, etc), HNC, NNEB (nursery nursing)
<input type="text" value="6"/>	6 First Degree (e.g. BA, BSc)	Level 4 (NVQ, BTEC, etc), HND, registered nurse
<input type="text" value="7"/>	7 Higher Degree (e.g. MA, PhD, PGCE, post-graduate certificates/diplomas)	Cert ED, PGCE
<input type="text" value="0"/>	0 Other qualifications (e.g City and Guilds, RSA, BTEC, HNC, HND, Professional qualification)	

If 'Other qualifications', please specify: Other qualifications, originally given as text, were recoded into equivalent categories as shown in the table above (text not retained in data). Any remaining codes of QP14a=0 ("other") are for responses that could not be coded.

gpartwork QP15a

The following questions are about your PARTNER/SPOUSE’S education and work. At the moment is he/she: Please mark one item only

- 1 Full time parent?
- 2 Working full time?
- 3 Working part time?
- 4 Studying for a qualification?
- 5 Unemployed/on a government benefit?

gpartunem QP15f

If he/she is currently unemployed/on a government benefit, please specify for how long:

- 1 Less than 3 months
- 2 3 to 6 months
- 3 7 months to 1 year
- 4 1 to 2 years
- 5 Over 2 years

gpartsoc PartnerSoc

1 to 9 (SOC levels). Raw responses to the two questions below (job title and industry) were coded into this ordinal employment level category.

See the appendix for a list of the 9 SOC categories.

If your partner/spouse is working full-time or part-time, could you specify his/her job title?

(text not retaining after coding)

What business or industry is their job in? (text not retaining after coding)

The following 3 raw variables have been recoded into a single dataset variable as shown below.

QP18 Is he/she self-employed or does he/she work for an employer? Self-employed 1 Work for an employer 2

QP18a If he/she is self-employed, do he/she has any employees? Yes 1 No 2

QP18b If YES, how many employees are there?

- 4 or less employees 1
- 5 to 9 employees 2
- 10 to 19 employees 3
- 20 employees, or more 4

gpartselfemstat:

Code values	Meaning	QP18	QP18a	QP18b
0	Not self-employed	2		
1	Self-employed without employees	1	2	
2	Self-employed, <= 4 employees	1	1	1
3	Self-employed, 5-9 employees	1	1	2
4	Self-employed, 10-19 employees	1	1	3
5	Self-employed, >= 20 employees	1	1	4

The following 2 raw variables, together with QP18 above, have been recoded into a single dataset variable as shown below.

QP20a If your partner/spouse is **employed** by a business/company, would you describe him/her as a:

Manager 1 Supervisor/Foreman 3
 Trainee 2 Employee 4

QP20b If applicable, could you confirm the number of people he/she is responsible for?

4 or less workers 1 5 to 9 workers 2
 10 to 19 workers 3 20 workers, or more 4

gpartemploystat:

Code values	Meaning	QP18	QP20a	QP20b
0	Not working for employer (self-employed)	1		
1	Employed as trainee or employee	2	2 or 4	
2	Manager/supervisor of <= 4 workers	2	1 or 3	1
3	Manager/supervisor of 5-9 workers	2	1 or 3	2
4	Manager/supervisor of 10-19 workers	2	1 or 3	3
5	Manager/supervisor of >=20 workers	2	1 or 3	4

gpartwrkhrs QP21

How many hours does he/she work a week?

1 5 to 19 hours a week 2 20 to 29 hours a week 3 30 to 39 hours a week
 4 40 to 49 hours a week 5 50 to 59 hours a week 6 60 hours a week or more

gparthqual: this single dataset variable replaces the two raw variables below, with coded values 1 to 7 as shown (1=no qualifications).

QP22 Does he/she have any educational qualifications? Yes 1 No 2 1

QP22a

If YES, could you confirm his/her HIGHEST level of qualification? (Mark one box only)

			Additional qualifications coded from 'other' responses
<input type="checkbox"/> 2	2	1 to 4 O levels/CSE's/GCSE's/Standards (any grades)	Level 1 (NVQ, BTEC, etc)
<input type="checkbox"/> 3	3	5+ O levels/5+ CSE's (grade 1), 5+ GCSE's (grades A to C)	Level 2 (NVQ, BTEC, etc), secretarial (RSA, CLAIT, etc), qualified teaching assistant
<input type="checkbox"/> 4	4	1 A level or AS Level	
<input type="checkbox"/> 5	5	2 or more A levels, 4+ AS levels, or any Higher School Certificates	Level 3 (NVQ, BTEC, etc), HNC, NNEB (nursery nursing)
<input type="checkbox"/> 6	6	First Degree (e.g. BA, BSc)	Level 4 (NVQ, BTEC, etc), HND, registered nurse
<input type="checkbox"/> 7	7	Higher Degree (e.g. MA, PhD, PGCE, post-graduate certificates/diplomas)	Cert ED, PGCE
<input type="checkbox"/> 0		Other qualifications (e.g. City and Guilds, RSA, BTEC, HNC, HND, Professional qualification)	

If 'Other qualifications', please specify:

Other qualifications, originally given as text, were recoded into equivalent categories as shown in the table above (text not retained in data). The coding is the same as for the respondent (see above, QP14a).

Now we would like to ask you briefly about your financial situation.

gfinancedif: this single dataset variable replaces the two raw variables below, with coded values 0 to 3 as shown (0=no change, 1=changed better, 2=changed same, 3=changed worse).

QP23 Have there been any major changes or difficulties in your financial circumstances over the last three years? Yes No
0

QP23a

If YES, would you describe your financial situation as?

1 Better 3 Worse 2 Same

We would now like to focus on the TWINS. Here are some descriptions of children Please tell us if you think that 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 school year or so. It would be really helpful if you answered all items as best you can, even if you are not absolutely certain or the item seems daft!

To answer the question for the ELDER twin, please put a cross in the appropriate box on the first line.

The boxes for the YOUNGER twin are on the line below it.

The "Behaviour" items are present in three sections within this booklet, starting with the section below, comprising 63 tabulated items in total, plus two from the following "Health" section (question about tics/twitches and question about complaints of headaches/stomach aches/sickness). Collectively, the behaviour items are taken from several different measures which have been intermingled.

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

- SDQ: gpsdq (with an additional prefix emo/hyp/con/per/pro for the subscales)
- PSD: gpaps
- ASD/Aspergers: gpassd
- Anxiety measures: gpanx
- Hyperactivity items: gphyp (other than SDQ)

The variable numbering within each measure is consistent for equivalent items in the teacher questionnaire at age 7, and also for equivalent items in the same measure at other ages (SDQ, PSD, Anxiety; note that the PSD items in fact form a subset of APSD measure items used at later ages, hence the prefix gpaps). The item numbering is therefore not consecutive and may have gaps for items used at other ages but not at age 7.

[Old dataset variable names are shown for reference: these had the prefix "gbh" regardless of measure, and were numbered 1 to 63 consecutively for the 63 tabulated items.]

Raw data	Dataset variables	OLD dataset variable names			Certainly True	Somewhat True	Not True
			Raw data coding:		1	2	3
			Dataset coding:		2	1	0
QP24a	gpasd11/2	gbh011/2	Notices small details others might miss	Elder twin			
QP24b				Younger twin			
QP25a	gpaps191/2	gbh021/2	Does not show feelings or emotions	Elder twin			
QP25b				Younger twin			
QP26a	gpanx081/2	gbh031/2	Is afraid of medical procedures such as going to see the doctor or dentist	Elder twin			
QP26b				Younger twin			
QP27a	gpsdqhyp11/2	gbh041/2	Restless, overactive, cannot stay still for long	Elder twin			
QP27b				Younger twin			
QP28a	gpsdqpro11/2	gbh051/2	Considerate of other people's feelings	Elder twin			
QP28b				Younger twin			
QP29a	gpanx061/2	gbh061/2	Insists on doing something over and over so that it interferes with day to day life	Elder twin			
QP29b				Younger twin			

Raw data	Dataset variables	OLD dataset variable names			Certainly True	Somewhat True	Not True
			Raw data coding:		1	2	3
			Dataset coding:		2	1	0
QP30a	gpsdqpro41/2	gbh071/2	Kind to younger children	Elder twin			
QP30b				Younger twin			
QP31a	gpsdqcon51/2	gbh081/2	Steals from home, school or elsewhere	Elder twin			
QP31b				Younger twin			
QP32a	gpanx181/2	gbh091/2	Is afraid of animals or insects (like dogs, spiders, snakes, or insects)	Elder twin			
QP32b				Younger twin			
QP33a	gpsdqhyp21/2	gbh101/2	Constantly fidgeting or squirming	Elder twin			
QP33b				Younger twin			
QP34a	gpaps031/2	gbh111/2	Is concerned about how well he/she does at school	Elder twin			
QP34b				Younger twin			
QP35a	gpanx201/2	gbh121/2	Strongly refuses or resists sleeping alone	Elder twin			
QP35b				Younger twin			
QP36a	gpsdqemo51/2	gbh131/2	Many fears or easily scared	Elder twin			
QP36b				Younger twin			
QP37a	gpaps121/2	gbh141/2	Feels bad or guilty when he/she does something wrong	Elder twin			
QP37b				Younger twin			
QP38a	gpanx101/2	gbh151/2	Doesn't enjoy him/herself	Elder twin			
QP38b				Younger twin			
QP39a	gphyp11/2	gbh161/2	Has difficulty completing one activity before changing to another	Elder twin			
QP39b				Younger twin			
QP40a	gpsdqcon31/2	gbh171/2	Often fights with other children or bullies them	Elder twin			
QP40b				Younger twin			
QP41a	gpsdqhyp41/2	gbh181/2	Thinks things out before acting	Elder twin			
QP41b				Younger twin			

HEALTH

Now, we would like to ask you a little about the general health of the twins.

Do either of the twins have any diagnosed chronic illness or physical disability?

QP42a: coded 1=elder, 2=younger, 3=both, 4=neither

Not retained as a variable in the dataset, but used to code 'no' responses to the following, tabulated items for each twin.

Elder twin Younger twin Neither twin

If either do, could you specify the condition for each twin affected:

You may mark as many items as you need to.

All tabulated variables below are coded 1=yes, 0=no, in raw data and in dataset variables.

There were negligible responses for Cystic Fibrosis and Down's Syndrome so these variables have been dropped from the dataset.

		Elder Twin	Younger Twin
Cerebral palsy	<i>gillcp1/2</i>	qp43a_1	qp43b_1
Cystic Fibrosis		qp43a_2	qp43b_2
Autism	<i>gillaut1/2</i>	qp43a_3	qp43b_3
Down's syndrome		qp43a_4	qp43b_4
Dyspraxia	<i>gildysp1/2</i>	qp43a_5	qp43b_5
Hyperactivity/ADHD	<i>gillhyp1/2</i>	qp43a_6	qp43b_6
Asthma	<i>gilasth1/2</i>	qp43a_7	qp43b_7
Epilepsy	<i>gilepill1/2</i>	qp43a_8	qp43b_8
Other - various other significant conditions, e.g. metabolic disorders, diabetes, genetic or blood diseases	<i>gilloth1/2</i>	qp43a_0	qp43b_0
Heart or lung conditions, e.g. heart murmur	<i>gillhrt1/2</i>	qp43a_9	qp43b_9
Digestive or urinary conditions, e.g. coeliac, kidney disease	<i>gilldig1/2</i>	qp43a_10	qp43b_10
Muscle, skeleton or soft tissue conditions, e.g. talipes, perthes, scoliosis, cleft palate	<i>gillmuscl1/2</i>	qp43a_11	qp43b_11

If you have ticked the "Other" box, please describe: Original text responses were recoded into the codes shown above, including three new categories as shown (text not retained in data)

Elder twin

Younger twin

Does either of the twins suffer from any kind of chronic skin complaint, asthma or allergy?

QP50: coded 1=elder, 2=younger, 3=both, 4=neither

Not retained as a variable in the dataset, but used to code 'no' responses to the following, tabulated items for each twin.

Elder twin Younger twin Neither twin

If YES, please specify for each twin affected:

Mark as many as apply.

All coded 1=yes 0=no, in raw data and in dataset variables.

Elder Twin Younger Twin

Skin complaint	<i>gscskin1/2</i>	qp51a_1	qp51b_1
Asthma	<i>gscasth1/2</i>	qp51a_2	qp51b_2
Allergy	<i>gscalle1/2</i>	qp51a_3	qp51b_3

Has either twin ever had any difficulties with their HEARING at all?

QP57: coded 1=elder, 2=younger, 3=both, 4=neither

gheardif1/2: this and the following question are combined for twin-specific coding as shown below.

Elder twin Younger twin Neither twin

If YES, please tell us, using the categories below:

Please only mark one. If several apply, please mark the difficulty you consider to be most severe.

0 No hearing difficulty

Elder Twin

Younger Twin

QP57a

QP57b

- 1 Permanent hearing loss diagnosed in one ear
- 2 Permanent hearing loss diagnosed in both ears
- 3 Ear infections/glue ear/grommets - or wax/fluid
- 4 Profoundly deaf
- 6 Other - including unspecific responses
- 5 Temporary loss now cleared up

<input type="checkbox"/>	1	<input type="checkbox"/>	1
<input type="checkbox"/>	2	<input type="checkbox"/>	2
<input type="checkbox"/>	3	<input type="checkbox"/>	3
<input type="checkbox"/>	4	<input type="checkbox"/>	4
<input type="checkbox"/>	0	<input type="checkbox"/>	0
<input type="checkbox"/>	5	<input type="checkbox"/>	5

If other, please describe: Original text responses were recoded into the codes shown above, including new code 5=early hearing loss now recovered (text not retained in data)

Elder twin

Younger twin

Have you, or anyone else ever thought that either of the twins may have any difficulties with TALKING?

QP63: coded 1=elder, 2=younger, 3=both, 4=neither

gspchdif1/2: this and the following question are combined for twin-specific coding as shown below.

Elder twin Younger twin Neither twin

If YES, which twin was it and what was/is the difficulty?

Please only mark one. If several apply please indicate the one you consider to be most severe.

0 No talking difficulty

Elder Twin

Younger Twin

QP64a

QP64b

- 1 Slow to develop
- 2 Stammer/stutter
- 3 Cleft lip/palate
- 4 Problems with pronouncing words
- 10 Other - including unspecific responses
- 5 Lisp, cannot pronounce certain letters
- 6 Had physical ENT problem, e.g. tongue tied
- 7 Mumbling, indistinct speech, makes sounds
- 8 Caused by other problems, e.g. hearing, dyspraxia
- 9 Had own language when younger

<input type="checkbox"/>	1	<input type="checkbox"/>	1
<input type="checkbox"/>	2	<input type="checkbox"/>	2
<input type="checkbox"/>	3	<input type="checkbox"/>	3
<input type="checkbox"/>	4	<input type="checkbox"/>	4
<input type="checkbox"/>	0	<input type="checkbox"/>	0
<input type="checkbox"/>	5	<input type="checkbox"/>	5
<input type="checkbox"/>	6	<input type="checkbox"/>	6
<input type="checkbox"/>	7	<input type="checkbox"/>	7
<input type="checkbox"/>	8	<input type="checkbox"/>	8
<input type="checkbox"/>	9	<input type="checkbox"/>	9

If other, please describe: Original text responses were recoded into the codes shown above, including new codes 5/6/7/8/9 (text not retained in data)

Elder twin

Younger twin

If difficulties in speech have been reported, did the twin(s) have any speech therapy? **gspt1/2**

QP70a	Elder Twin	Yes, a course	<input type="checkbox"/> 2	<input type="checkbox"/> 1	Yes, just one visit	<input type="checkbox"/> 1	<input type="checkbox"/> 2	No	<input type="checkbox"/> 0	<input type="checkbox"/> 3
QP70b	Younger Twin	Yes, a course	<input type="checkbox"/> 2	<input type="checkbox"/> 1	Yes, just one visit	<input type="checkbox"/> 1	<input type="checkbox"/> 2	No	<input type="checkbox"/> 0	<input type="checkbox"/> 3

If YES, how old was s/he when the speech therapy started? **gsptage1/2**

Elder Twin **QP71ad**

2	<input type="checkbox"/> 1	2 years	3	<input type="checkbox"/> 2	3 years	4	<input type="checkbox"/> 3	4 years
5	<input type="checkbox"/> 4	5 years	6	<input type="checkbox"/> 5	6 years	7	<input type="checkbox"/> 6	7 years

Younger Twin **QP71bd**

2	<input type="checkbox"/> 1	2 years	3	<input type="checkbox"/> 2	3 years	4	<input type="checkbox"/> 3	4 years
5	<input type="checkbox"/> 4	5 years	6	<input type="checkbox"/> 5	6 years	7	<input type="checkbox"/> 6	7 years

How long approximately did the speech therapy go on? **gspth11/2**

Elder Twin	1	<input type="checkbox"/>	One single visit	Younger Twin	1	<input type="checkbox"/>	One single visit
QP71ae	2	<input type="checkbox"/>	2 to 5 months treatment	QP71be	2	<input type="checkbox"/>	2 to 5 months treatment
	3	<input type="checkbox"/>	6 to 12 months treatment		3	<input type="checkbox"/>	6 to 12 months treatment
	4	<input type="checkbox"/>	Over a year of treatment		4	<input type="checkbox"/>	Over a year of treatment

Sounds Does either twin ever make repeated involuntary noises other than ordinary talking (e.g. grunts, throat clearing, or saying words or parts of words)?

QP72: coded 1=elder, 2=younger, 3=both, 4=neither

Elder twin Younger twin Neither twin

If you have answered YES, please provide more details, using the boxes below. How often does it happen?

QP73a	Elder Twin	Sometimes	<input type="checkbox"/> 1	Often	<input type="checkbox"/> 2
	Please describe the noise: coded as QP73ad (see below)				
QP73b	Younger Twin	Sometimes	<input type="checkbox"/> 1	Often	<input type="checkbox"/> 2
	Please describe the noise: coded as QP73bd (free text)				

Recoded into two twin-specific variables in the dataset.

gnoise1/2 is coded from the initial question (does either twin make noises) and the frequency question (how often):

- 0=no, has never made involuntary noises
- 1=yes, sometimes
- 2=yes, often

gnoised1/2:

QP73AD, QP73BD

These categories, describing the type of noise made by each twin, were coded from original text responses. The text is not retained in the raw data.

- 1=nose and throat noises: throat-clearing, coughing, sniffing, snorting, gulping, belching
- 2=grunts: grunting, growling, animal noises
- 3=word-like noises: mumbling, words or part-words including "er", "um", "mmm", etc
- 4=other miscellaneous sounds: whining, humming, whistling, yelling or screaming, clicking, sighing

Does either of the twins have any ongoing difficulties with wetting or soiling?

QP74: coded 1=elder, 2=younger, 3=both, 4=neither

gwets1/2: this and the following question are combined for twin-specific coding as shown below.

Elder twin Younger twin Neither twin

If YES, please specify which twin has difficulties and what is the problem?

	0	No difficulty		0	No difficulty		
Elder Twin	1	1	Wets bed at night	Younger Twin	1	1	Wets bed at night
QP75a	2	2	Wets self during day	QP75b	2	2	Wets self during day
	3	3	Soils self		3	3	Soils self
	4	Yes but difficulty not specified			4	Yes but difficulty not specified	

Does either twin have repeated tics or twitches (e.g. forceful eye blinking or a rapid head jerk)?

QP78: coded 1=elder, 2=younger, 3=both, 4=neither

Elder twin Younger twin Neither twin

If you have answered YES, please provide more details, using the boxes below. How often does it happen?

QP79a Elder Twin Sometimes Often
Please describe the tic: coded as QP79ad (see below)

QP79b Younger Twin Sometimes Often
Please describe the tic: coded as QP79bd (see below)

Recoded into two twin-specific variables in the dataset. Note that the first variable gpsanx09 is named as part of the anxiety behaviour measure.

gpsanx091/2 is coded from the initial question (does either twin have tics) and the frequency question (how often):

- 0=no, has never had tics or twitches
- 1=yes, sometimes
- 2=yes, often

ghticsd1/2:

QP79AD, QP79BD

These categories, describing the type of tic/twitch made by each twin, were coded from original text responses. The text is not retained in the raw data.

- 1=blinking, eye twitching, other eye movement
- 2=facial or head movements (other than eyes)
- 3=limb or other body movement

Has either twin ever had a fit (e.g. seizure, convulsion) or blank spell (sometimes called an "absence")?

QP80: coded 1=elder, 2=younger, 3=both, 4=neither

gfits1/2: this and the following question are combined for twin-specific coding as shown below.

Elder twin Younger twin Neither twin

If YES, did this occur when s/he had a temperature or was otherwise unwell?

Elder Twin	Yes	<input type="text" value="1"/>	No	<input type="text" value="2"/>	Younger Twin	Yes	<input type="text" value="1"/>	No	<input type="text" value="2"/>
QP81a1		1		2	QP81b1		1		2

0=no (has never had a fit)

3=yes but type unspecified (neither box ticked)

Has either twin been admitted (i.e. as an in-patient) to hospital the last THREE years because of a serious illness or other medical condition?

QP52: coded 1=elder, 2=younger, 3=both, 4=neither

ghospad1/2: this and the following question are combined for twin-specific coding as shown below.

Elder twin Younger twin Neither twin

If YES, how many times ?

	0	No (has not been admitted)	0	No (has not been admitted)
Elder twin	1	1-3 times	Younger twin	1
QP53a	2	4-6 times	QP53b	2
	3	7-9 times		3
	4	10 times, or more		4

And how long was the longest stay? ghosp11/2

Elder Twin	<input type="checkbox"/>	1 1 night	<input type="checkbox"/>	2 2 to 4 nights	<input type="checkbox"/>	3 5 to 6 nights
QP54a	<input type="checkbox"/>	4 7 nights	<input type="checkbox"/>	5 8 to 10 nights	<input type="checkbox"/>	6 11 to 14 nights
	<input type="checkbox"/>	7 Over 2 weeks				

Younger Twin	<input type="checkbox"/>	1 1 night	<input type="checkbox"/>	2 2 to 4 nights	<input type="checkbox"/>	3 5 to 6 nights
QP54b	<input type="checkbox"/>	4 7 nights	<input type="checkbox"/>	5 8 to 10 nights	<input type="checkbox"/>	6 11-14 nights
	<input type="checkbox"/>	7 Over 2 weeks				

Have any other members of the family been in hospital over the last three years?

Mother	<input type="checkbox"/>	1 1 night	<input type="checkbox"/>	2 2 to 4 nights	<input type="checkbox"/>	3 5 to 6 nights
gmhosp1	<input type="checkbox"/>	4 7 nights	<input type="checkbox"/>	5 8 to 10 nights	<input type="checkbox"/>	6 11 to 14 nights
QP55a	<input type="checkbox"/>	7 Over 2 weeks				

Father/Partner	<input type="checkbox"/>	1 1 night	<input type="checkbox"/>	2 2 to 4 nights	<input type="checkbox"/>	3 5 to 6 nights
gdhosp1	<input type="checkbox"/>	4 7 nights	<input type="checkbox"/>	5 8 to 10 nights	<input type="checkbox"/>	6 11 to 14 nights
QP55b	<input type="checkbox"/>	7 Over 2 weeks				

Sibling	<input type="checkbox"/>	1 1 night	<input type="checkbox"/>	2 2 to 4 nights	<input type="checkbox"/>	3 5 to 6 nights
gshosp1	<input type="checkbox"/>	4 7 nights	<input type="checkbox"/>	5 8 to 10 nights	<input type="checkbox"/>	6 11 to 14 nights
QP55cd	<input type="checkbox"/>	7 Over 2 weeks				

Does either twin complain of stomach-aches, headaches or sickness and if so, how often?

gpsdqemo11/2 (named as one of the SDQ Emotion items)

QP82a	Elder Twin	<input type="checkbox"/>	0 Never	<input type="checkbox"/>	1 Sometimes	<input type="checkbox"/>	2 Often
QP82b	Younger Twin	<input type="checkbox"/>	0 Never	<input type="checkbox"/>	1 Sometimes	<input type="checkbox"/>	2 Often

If YES, what does s/he complain of? Please mark all that apply

Each variable below is coded 1=yes, 0=no, both in the raw data and dataset.

gsistom1/2	Elder Twin	<input type="checkbox"/>	qp82ab_1	Stomach-ache	Younger Twin	<input type="checkbox"/>	qp82bb_1	Stomach-ache
gsihead1/2		<input type="checkbox"/>	qp82ab_2	Headache		<input type="checkbox"/>	qp82bb_2	Headache
gsivom1/2		<input type="checkbox"/>	qp82ab_3	Vomiting		<input type="checkbox"/>	qp82bb_3	Vomiting

(These variables are also recoded to 0=no if the initial response to gpsdqemo11/2 was 0=never)

Does either twin ever complain of other symptoms such as dizziness, aches and pains or unusual tiredness?

QP85: coded 1=elder, 2=younger, 3=both, 4=neither

Not retained as a variable in the dataset, but used to code 'no' responses to the following, tabulated variables for each twin.

Elder twin Younger twin Neither twin

If YES, what does s/he complain of and how often? Please mark as many items as you need to.

In the original questionnaire, the two tables below were combined in a single table for each twin. For clarity of variable naming and coding, the formatting of the response tables has been changed here.

Tick boxes for each complaint in the raw data, coded 1=yes (ticked), 0=no (not ticked):

	Elder twin	Younger twin
Chest pain	QP85a_1	QP85b_1
Limb pain	QP85a_2	QP85b_2
Back pain	QP85a_3	QP85b_3
Tiredness	QP85a_4	QP85b_4
Dizziness	QP85a_5	QP85b_5
Other	QP85a_6	QP85b_6

Frequency of each complaint (the coding 0=no has been added for dataset variables, based on the responses above):

	Elder twin	Younger twin	No (never)	Sometimes	Often
			0	1	2
Chest pain	gacches1/2	QP87a	QP87b		
Limb pain	gaclimb1/2	QP88a	QP88b		
Back pain	gacback1/2	QP89a	QP89b		
Tiredness	gactire1/2	QP90a	QP90b		
Dizziness	gacdizz1/2	QP91a	QP91b		
Other	gacothe1/2	QP92a	QP92b		

If "Other", please describe:

Elder twin: (text not retained)

Younger twin: (text not retained)

There were few text responses, and these could be coded into the existing categories as shown above. Any remaining "other" responses are for unspecified symptoms.

If you have told us that either twin has had any of the symptoms above, please tell us if they have got in the way of activities (e.g. going to school)?

QP95: coded 1=elder, 2=younger, 3=both, 4=neither

gsymprob1/2: coded 1=yes 0=no for each twin

Elder twin Younger twin Neither twin

Please can you tell us the twins' weight and height? Feel free to tell us in metric (kilograms and centimetres) or imperial (stones, pounds, feet and inches). Please write clearly.

The variables below are all recoded into consistent metric units (kg or cm), both in the raw data and in the dataset.

gwtkg1/2	Elder Twin	QP97aw	Weight	<input type="text"/>	st	<input type="text"/>	lbs	OR	<input type="text"/>	<input type="text"/>	kg
	Younger Twin	QP97bw	Weight	<input type="text"/>	st	<input type="text"/>	lbs	OR	<input type="text"/>	<input type="text"/>	kg
ghtcm1/2	Elder Twin	QP97ah	Height	<input type="text"/>	ft	<input type="text"/>	ins	OR	<input type="text"/>	<input type="text"/>	cms
	Younger Twin	QP97bh	Height	<input type="text"/>	ft	<input type="text"/>	ins	OR	<input type="text"/>	<input type="text"/>	cms

BEING A PARENT

Now we would like you to think bit about what it's like being a parent. We are assuming that the twins misbehave sometimes. Breaking rules, fighting and things like that?

We're interested in the kind of things that you do when this happens. Below are descriptions of some things parents do to help their children behave well. When answering the following questions, please think about the twins individually because sometimes different children need a different approach.

Rarely means once a month or less,
Sometimes means weekly or so,
Often means more than once a week.

<p>gdiexpl QP98</p>	<p>Do you talk about good and bad behaviour, explain why or reason with the ELDER twin? How often do you do this?</p>	<p>Never <input type="checkbox"/> 0</p>	<p>Rarely <input type="checkbox"/> 1</p>	<p>Sometimes <input type="checkbox"/> 2</p>	<p>Often <input type="checkbox"/> 3</p>
<p>gdiexpld QP98c</p>	<p>Do you do this more or less often with the YOUNGER twin?</p>	<p>Less <input type="checkbox"/> 1</p>	<p>Same <input type="checkbox"/> 2</p>	<p>More <input type="checkbox"/> 3</p>	
<p>gdismak QP99</p>	<p>Do you ever restrain or smack the ELDER twin? How often do you do this?</p>	<p>Never <input type="checkbox"/> 0</p>	<p>Rarely <input type="checkbox"/> 1</p>	<p>Sometimes <input type="checkbox"/> 2</p>	<p>Often <input type="checkbox"/> 3</p>
<p>gdismakd QP99c</p>	<p>Do you do this more or less often with the YOUNGER twin?</p>	<p>Less <input type="checkbox"/> 1</p>	<p>Same <input type="checkbox"/> 2</p>	<p>More <input type="checkbox"/> 3</p>	
<p>gdisend QP100</p>	<p>Do you ever send the ELDER twin to her/his room or withdraw privileges? How often do you do this?</p>	<p>Never <input type="checkbox"/> 0</p>	<p>Rarely <input type="checkbox"/> 1</p>	<p>Sometimes <input type="checkbox"/> 2</p>	<p>Often <input type="checkbox"/> 3</p>
<p>gdisendd QP100c</p>	<p>Do you do this more or less often with the YOUNGER twin?</p>	<p>Less <input type="checkbox"/> 1</p>	<p>Same <input type="checkbox"/> 2</p>	<p>More <input type="checkbox"/> 3</p>	
<p>gdishou QP101</p>	<p>Do you ever raise your voice or shout at the ELDER twin? How often do you do this?</p>	<p>Never <input type="checkbox"/> 0</p>	<p>Rarely <input type="checkbox"/> 1</p>	<p>Sometimes <input type="checkbox"/> 2</p>	<p>Often <input type="checkbox"/> 3</p>
<p>gdishoud QP101c</p>	<p>Do you do this more or less often with the YOUNGER twin?</p>	<p>Less <input type="checkbox"/> 1</p>	<p>Same <input type="checkbox"/> 2</p>	<p>More <input type="checkbox"/> 3</p>	
<p>gdiigno QP102</p>	<p>Do you ever ignore the ELDER twin when he/she is misbehaving? How often do you do this?</p>	<p>Never <input type="checkbox"/> 0</p>	<p>Rarely <input type="checkbox"/> 1</p>	<p>Sometimes <input type="checkbox"/> 2</p>	<p>Often <input type="checkbox"/> 3</p>
<p>gdiignod QP102c</p>	<p>Do you do this more or less often with the YOUNGER twin?</p>	<p>Less <input type="checkbox"/> 1</p>	<p>Same <input type="checkbox"/> 2</p>	<p>More <input type="checkbox"/> 3</p>	
<p>gdiprai QP103</p>	<p>Do you use praise and rewards for good behaviour with the ELDER twin? How often do you do this?</p>	<p>Never <input type="checkbox"/> 0</p>	<p>Rarely <input type="checkbox"/> 1</p>	<p>Sometimes <input type="checkbox"/> 2</p>	<p>Often <input type="checkbox"/> 3</p>
<p>gdipraid QP103c</p>	<p>Do you do this more or less often with the YOUNGER twin?</p>	<p>Less <input type="checkbox"/> 1</p>	<p>Same <input type="checkbox"/> 2</p>	<p>More <input type="checkbox"/> 3</p>	

Here are some more of the descriptions of behaviour you met earlier. As before, we would like you to tell us if they are **CERTAINLY TRUE**, **SOMEWHAT TRUE** or **NOT TRUE** of each of the twins.

(See notes about "behaviour" variable naming in the section above, before the health questions.)

Raw data	Dataset variables	OLD dataset variable names			Certainly True	Somewhat True	Not True
			Raw data coding:	Dataset coding:	1	2	3
					2	1	0
QP105a	gpsdqhyp31/2	gbh191/2	Easily distracted or concentration wanders	Elder twin			
QP105b				Younger twin			
QP106a	gpanx111/2	gbh201/2	Often makes comments critical of him/herself	Elder twin			
QP106b				Younger twin			
QP107a	gpasd21/2	gbh211/2	Has odd style of communication; old-fashioned, formal, or pedantic	Elder twin			
QP107b				Younger twin			
QP108a	gpaps081/2	gbh221/2	Braggs about accomplishments	Elder twin			
QP108b				Younger twin			
QP109a	gpsdqper31/2	gbh231/2	Generally liked by other children	Elder twin			
QP109b				Younger twin			
QP110a	gpanx041/2	gbh241/2	Tends to check that some things are done exactly 'right'	Elder twin			
QP110b				Younger twin			
QP111a	gpasd31/2	gbh251/2	Often says things that are embarrassing for others, without realising	Elder twin			
QP111b				Younger twin			
QP112a	gpanx121/2	gbh261/2	Complains or whines a lot	Elder twin			
QP112b				Younger twin			
QP113a	gpsdqpro51/2	gbh271/2	Often volunteers to help others such as parents, teachers, other children.	Elder twin			
QP113b				Younger twin			
QP114a	gpanx011/2	gbh281/2	Is afraid of small closed spaces, heights, water or the dark	Elder twin			
QP114b				Younger twin			
QP115a	gpsdqemo21/2	gbh291/2	Many worries or often seems worried	Elder twin			
QP115b				Younger twin			
QP116a	gpasd41/2	gbh301/2	Has unusual eye gaze, facial expression, or gestures	Elder twin			
QP116b				Younger twin			
QP117a	gpsdqper11/2	gbh311/2	Rather solitary or tends to play alone	Elder twin			
QP117b				Younger twin			
QP118a	gpsdqpro31/2	gbh321/2	Helpful if someone is hurt, upset or feeling ill	Elder twin			
QP118b				Younger twin			
QP119a	gpanx211/2	gbh331/2	Fussy about keeping his/her hands clean	Elder twin			
QP119b				Younger twin			
QP120a	gpasd51/2	gbh341/2	Is extremely distressed by changes to routine or familiar arrangements	Elder twin			
QP120b				Younger twin			
QP121a	gpsdqemo31/2	gbh351/2	Often unhappy, down-hearted or tearful	Elder twin			
QP121b				Younger twin			
QP122a	gpaps051/2	gbh361/2	His/her emotions seem shallow and not genuine	Elder twin			
QP122b				Younger twin			
QP123a	gpsdqcon21/2	gbh371/2		Elder twin			

Raw data	Dataset variables	OLD dataset variable names			Certainly True	Somewhat True	Not True
			Raw data coding:		1	2	3
			Dataset coding:		2	1	0
QP123b			Generally obedient or usually does what adults request	Younger twin			
QP124a	gpsdqper41/2	gbh381/2	Picked on or bullied by other children	Elder twin			
QP124b				Younger twin			
QP125a	gpaps111/2	gbh391/2	Teases other people	Elder twin			
QP125b				Younger twin			
QP126a	gpanx131/2	gbh401/2	Has low self-confidence	Elder twin			
QP126b				Younger twin			
QP127a	gpsdqper51/2	gbh411/2	Gets on better with adults than with other children	Elder twin			
QP127b				Younger twin			
QP128a	gpsdqhyp51/2	gbh421/2	Sees tasks through to the end, good attention span	Elder twin			
QP128b				Younger twin			

BEING A PARENT OF TWINS

Here are some questions about how it feels to be a parent of twins. Every parent experiences all sorts of positive and negative feelings towards their children. We would like to ask you about some of the feelings that parents commonly have. There are no wrong or right answers.

Rarely means once a month or less,

Sometimes means weekly or so,

Often means more than once a week.

<p>gbpimpa QP129</p>	<p>Do you ever feel impatient with the elder twin? How often do you feel this way?</p>	<p><i>Never</i> 0 <input type="checkbox"/></p>	<p><i>Rarely</i> 1 <input type="checkbox"/></p>	<p><i>Sometimes</i> 2 <input type="checkbox"/></p>	<p><i>Often</i> 3 <input type="checkbox"/></p>
<p>gbpimpad QP129c</p>	<p>Do you feel impatient with the younger twin more or less often?</p>	<p><i>Less</i> 1 <input type="checkbox"/></p>	<p><i>Same</i> 2 <input type="checkbox"/></p>	<p><i>More</i> 3 <input type="checkbox"/></p>	
<p>gbphapp QP130</p>	<p>Do you generally feel quite happy about your relationship with the elder twin? How often do you feel this way?</p>	<p><i>Never</i> 0 <input type="checkbox"/></p>	<p><i>Rarely</i> 1 <input type="checkbox"/></p>	<p><i>Sometimes</i> 2 <input type="checkbox"/></p>	<p><i>Often</i> 3 <input type="checkbox"/></p>
<p>gbphappd QP130c</p>	<p>Do you feel this more or less often with the younger twin?</p>	<p><i>Less</i> 1 <input type="checkbox"/></p>	<p><i>Same</i> 2 <input type="checkbox"/></p>	<p><i>More</i> 3 <input type="checkbox"/></p>	
<p>gbpamus QP131</p>	<p>Are you amused by the elder twin? How often do you feel this way?</p>	<p><i>Never</i> 0 <input type="checkbox"/></p>	<p><i>Rarely</i> 1 <input type="checkbox"/></p>	<p><i>Sometimes</i> 2 <input type="checkbox"/></p>	<p><i>Often</i> 3 <input type="checkbox"/></p>
<p>gbpamusd QP131c</p>	<p>Do you feel this more or less often with the younger twin?</p>	<p><i>Less</i> 1 <input type="checkbox"/></p>	<p><i>Same</i> 2 <input type="checkbox"/></p>	<p><i>More</i> 3 <input type="checkbox"/></p>	
<p>gbpfrus QP132</p>	<p>Does the elder twin ever make you feel frustrated? How often do you feel this way?</p>	<p><i>Never</i> 0 <input type="checkbox"/></p>	<p><i>Rarely</i> 1 <input type="checkbox"/></p>	<p><i>Sometimes</i> 2 <input type="checkbox"/></p>	<p><i>Often</i> 3 <input type="checkbox"/></p>
<p>gbpfrusd QP132c</p>	<p>Do you feel this more or less often with the younger twin?</p>	<p><i>Less</i> 1 <input type="checkbox"/></p>	<p><i>Same</i> 2 <input type="checkbox"/></p>	<p><i>More</i> 3 <input type="checkbox"/></p>	
<p>gbpleav QP133</p>	<p>Do you ever wish the elder twin would leave you alone? How often do you feel this way?</p>	<p><i>Never</i> 0 <input type="checkbox"/></p>	<p><i>Rarely</i> 1 <input type="checkbox"/></p>	<p><i>Sometimes</i> 2 <input type="checkbox"/></p>	<p><i>Often</i> 3 <input type="checkbox"/></p>
<p>gbpleavd QP133c</p>	<p>Do you feel this more or less often with the younger twin?</p>	<p><i>Less</i> 1 <input type="checkbox"/></p>	<p><i>Same</i> 2 <input type="checkbox"/></p>	<p><i>More</i> 3 <input type="checkbox"/></p>	
<p>gbpangr QP134</p>	<p>Does the elder twin ever make you angry? How often do you feel this way?</p>	<p><i>Never</i> 0 <input type="checkbox"/></p>	<p><i>Rarely</i> 1 <input type="checkbox"/></p>	<p><i>Sometimes</i> 2 <input type="checkbox"/></p>	<p><i>Often</i> 3 <input type="checkbox"/></p>
<p>gbpangrd QP134c</p>	<p>Do you feel this more or less often with the younger twin?</p>	<p><i>Less</i> 1 <input type="checkbox"/></p>	<p><i>Same</i> 2 <input type="checkbox"/></p>	<p><i>More</i> 3 <input type="checkbox"/></p>	
<p>gbpclos QP135</p>	<p>Do you feel close to the elder twin? How often do you feel this way?</p>	<p><i>Never</i> 0 <input type="checkbox"/></p>	<p><i>Rarely</i> 1 <input type="checkbox"/></p>	<p><i>Sometimes</i> 2 <input type="checkbox"/></p>	<p><i>Often</i> 3 <input type="checkbox"/></p>
<p>gbpclosd QP135c</p>	<p>Do you feel this more or less often with the younger twin?</p>	<p><i>Less</i> 1 <input type="checkbox"/></p>	<p><i>Same</i> 2 <input type="checkbox"/></p>	<p><i>More</i> 3 <input type="checkbox"/></p>	

EDUCATION

Now we would like to ask you a few general questions about the twins and their education and experiences over the last few years.

Do the twins go to school?

QP136: coded 1=elder, 2=younger, 3=both, 4=neither

Dropped from dataset: there were negligible numbers of responses in all categories except for 'both'.

Elder twin Younger twin Neither twin

gsamecl QP137c Are the twins in the same class or in different classes?

1 Same class 2 Different classes

If you have told us that we may contact the school, please can you confirm the names of the school and their teacher.

Elder Twin: School: (not retained in data)

Teacher: (not retained in data)

Younger Twin: School: (not retained in data)

Teacher: (not retained in data)

How do the twins usually feel about going to school?

gscfee11/2

		Very negative	Quite negative	No real effect	Quite Positive	Very positive
QP138a	Elder Twin	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
QP138b	Younger Twin	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>

Does either of the twins have any difficulties with their learning?

QP139: coded 1=elder, 2=younger, 3=both, 4=neither

Not retained as a variable in the dataset, but used to code 'no' responses to the following, tabulated items for each twin.

Elder twin Younger twin Neither twin

If YES, what is the difficulty that each twin has? You may mark as many items as you need to.

Each variable below is coded 1=yes, 0=no, both in raw data and dataset variables.

There were negligible responses for Down's Syndrome so this variable has been dropped from the dataset.

		Elder Twin	Younger Twin
Autism	gldaut1/2	qp140a_1	qp140b_1
Down's Syndrome		qp140a_2	qp140b_2
Restless, has difficulties concentrating and finishing tasks	gldrest1/2	qp140a_3	qp140b_3
Diagnosed hyperactivity/Attention deficit disorder (ADHD)	gldhyp1/2	qp140a_4	qp140b_4
Difficulties in learning to read/dyslexia	glddys11/2	qp140a_5	qp140b_5
Difficulties in learning to write	gldwrit1/2	qp140a_6	qp140b_6
Difficulties in fine/gross motor skills/co-ordination	gldmot1/2	qp140a_7	qp140b_7
Difficulties in maths	gldmath1/2	qp140a_8	qp140b_8
Any other learning difficulty? - unspecified or general slowness, delay, falling behind	gldoth1/2	qp140a_9	qp140b_9
Speaking or language difficulties other than reading or writing	gldspk1/2	qp140a_10	qp140b_10
If other, please describe: Elder twin (text not retained) Younger twin (text not retained)		Any text responses were coded into the existing categories above, including the new category (not specified in the questionnaire) for speaking/language difficulties.	

If you have told us that your twins have ever had any chronic disease, physical disability, speech, hearing, other health problems, or any learning problems at all, please answer the following questions:

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

QP149: coded 1=elder, 2=younger, 3=both, 4=neither

gsen1/2: coded 1=yes 0=no for each twin

Elder twin Younger twin Neither twin

Is either twin currently having a full assessment made of Special Educational Needs?

QP151: coded 1=elder, 2=younger, 3=both, 4=neither

gsenass1/2: coded 1=yes 0=no for each twin

Elder twin Younger twin Neither twin

Is either twin receiving any extra support to help them get on better in school?

QP153: coded 1=elder, 2=younger, 3=both, 4=neither

Not retained as a variable in the dataset, but used to code 'no' responses to the following, tabulated items for each twin.

Elder twin Younger twin Neither twin

If YES, what kind of help are they getting?

Each variable below is coded 1=yes, 0=no, both in raw data and dataset variables.

		Elder Twin	Younger Twin
One to one support from a classroom assistant/volunteer	ges1to1/2	qp154a_1	qp154b_1
Extra teaching help one to one or in a small group	geshelp1/2	qp154a_2	qp154b_2
Input from a professional such as a psychologist/child psychologist	gespsyc1/2	qp154a_3	qp154b_3
Any kind of programme to help them get on better at school (e.g. Individual Education Plan [IEP], behaviour management programme)	gesiep1/2	qp154a_4	qp154b_4
Attending a special school or special unit	gesspsc1/2	qp154a_5	qp154b_5
Other - unspecified other help	gesoth1/2	qp154a_0	qp154b_0

If other, please describe:

Elder twin (text not retained)

Younger twin (text not retained)

Any text responses were coded into the existing categories above, including the new category (not specified in the questionnaire) for attendance at a special school.

Time Off Has either of the twins had any time off school in the last full term?

QP159: coded 1=elder, 2=younger, 3=both, 4=neither

gscoff11/2: this and the following question are combined for twin-specific coding as shown below.

Elder twin Younger twin Neither twin

If YES, for how long? (Please think about it in terms of school days missed)

Elder Twin	<input type="checkbox"/> 1	1 day	Younger Twin	<input type="checkbox"/> 1	1 day
QP160a	<input type="checkbox"/> 2	2 to 4 days	QP160b	<input type="checkbox"/> 2	2 to 4 days
	<input type="checkbox"/> 3	5 to 10 days		<input type="checkbox"/> 3	5 to 10 days
	<input type="checkbox"/> 4	11 to 20 days		<input type="checkbox"/> 4	11 to 20 days
	<input type="checkbox"/> 5	21 days or more		<input type="checkbox"/> 5	21 days or more
	<input type="checkbox"/> 0	No time off school		<input type="checkbox"/> 0	No time off school

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 THREE years, could you tell us if any of the following major changes or particular events have occurred?

You may mark as many items as apply.

Each variable below is coded 1=yes 0=no, both in raw data and dataset variables.

Yes

glehospp	qp168_01	Hospitalisation of a parent	<input type="checkbox"/>
glefinch	qp168_02	Change in financial circumstances [including significant job changes]	<input type="checkbox"/>
gledeadp	qp168_03	Death of a parent	<input type="checkbox"/>
gledeadg	qp168_04	Death of a grandparent	<input type="checkbox"/>
glebirth	qp168_05	Birth of a younger brother or sister [or other new child in household or immediate family]	<input type="checkbox"/>
gledivor	qp168_06	Divorce of natural parents [including separations of parents]	<input type="checkbox"/>
gledeads	qp168_07	Death of a sibling	<input type="checkbox"/>
glehospt	qp168_08	Hospitalisation of twin	<input type="checkbox"/>
glenewp	qp168_09	New parent figure living in the household	<input type="checkbox"/>
glesefp	qp168_10	Prolonged separation from a parent	<input type="checkbox"/>
		Other	<input type="checkbox"/>
gleillfam	qp168_11	Serious illness in family	<input type="checkbox"/>
gledearel	qp168_12	Death of relative or friend (other than above)	<input type="checkbox"/>
glere1mov	qp168_13	Parent or close relative moved away or prolonged absence	<input type="checkbox"/>
gledeapet	qp168_14	Death of pet	<input type="checkbox"/>
glemoved	qp168_15	Moved house and/or school	<input type="checkbox"/>
gletrauma	qp168_16	Violent or traumatic episode including accidents, assault, bullying	<input type="checkbox"/>
glenewper	qp168_17	New person in home (other than above)	<input type="checkbox"/>

If other, please describe (original text not retained in data)

Text responses have been coded either into the original categories or into new categories as shown above. Where noted above, some original categories have been broadened to accommodate the changes.

The new category variables replace the original "other" category, which has been dropped.

Finally, let's go back to thinking about how each twin behaves. Below are some different descriptions, and we would like you to tell us if they seem to be CERTAINLY TRUE, SOMEWHAT TRUE or NOT TRUE of each twin in turn.

(See notes about "behaviour" variable naming in the section above, before the health questions.)

Raw data	Dataset variables	OLD dataset variable names			Certainly True	Somewhat True	Not True
			Raw data coding:		1	2	3
			Dataset coding:		2	1	0
QP169a	gpanx141/2	gbh431/2	Fussy or over particular	Elder twin			
QP169b				Younger twin			
QP170a	gpanx151/2	gbh441/2	Tends to blame him/herself	Elder twin			
QP170b				Younger twin			
QP171a	gpaps161/2	gbh451/2	Thinks he/she is more important than others	Elder twin			
QP171b				Younger twin			
QP172a	gpsdqcon41/2	gbh461/2	Often lies or cheats	Elder twin			
QP172b				Younger twin			
QP173a	gpanx161/2	gbh471/2	Is often extremely upset or distressed when parent leaves	Elder twin			
QP173b				Younger twin			
QP174a	gpanx031/2	gbh481/2	Is afraid in social situations	Elder twin			
QP174b				Younger twin			
QP175a	gphyp21/2	gbh491/2	Has difficulty waiting for things	Elder twin			
QP175b				Younger twin			
QP176a	gpasd61/2	gbh501/2	Enjoys 'pretend' games	Elder twin			
QP176b				Younger twin			
QP177a	gpanx071/2	gbh511/2	Tends to be shy or timid	Elder twin			
QP177b				Younger twin			
QP178a	gpasd71/2	gbh521/2	Has a strong interest in an unusual topic	Elder twin			
QP178b				Younger twin			
QP179a	gpaps151/2	gbh531/2	Becomes angry when corrected	Elder twin			
QP179b				Younger twin			
QP180a	gpsdqpro21/2	gbh541/2	Shares readily with other children (such as treats, toys, pencils etc.)	Elder twin			
QP180b				Younger twin			
QP181a	gpanx021/2	gbh551/2	Takes a long time to warm to strangers	Elder twin			
QP181b				Younger twin			
QP182a	gpanx171/2	gbh561/2	Seems keyed up, on edge or tense	Elder twin			
QP182b				Younger twin			
QP183a	gpsdqcon11/2	gbh571/2	Often has temper tantrums or hot tempers	Elder twin			
QP183b				Younger twin			
QP184a	gpasd81/2	gbh581/2	Can take hints and keep secrets, can be discreet	Elder twin			
QP184b				Younger twin			
QP185a	gpanx051/2	gbh591/2	Asks for reassurance that s/he is OK	Elder twin			
QP185b				Younger twin			
QP186a	gpsdqemo41/2	gbh601/2	Nervous or clingy in new situations, easily loses confidence in new situations	Elder twin			
QP186b				Younger twin			
QP187a	gpaps141/2	gbh611/2	Can turn on the charm to get what s/he wants	Elder twin			
QP187b				Younger twin			

Raw data	Dataset variables	OLD dataset variable names			Certainly True	Somewhat True	Not True
			Raw data coding:		1	2	3
			Dataset coding:		2	1	0
QP188a	gpanx191/2	gbh621/2	Anxious that bad things will happen	Elder twin			
QP188b				Younger twin			
QP189a	gpsdpper21/2	gbh631/2	Has at least one good friend	Elder twin			
QP189b				Younger twin			

That's the end. Thank you so much for answering so many questions!
We really appreciate your help - we could not do our research without you.

APPENDIX: SOC employment codes

Used for respondent employment (ParentSoc) and partner employment (PartnerSoc) categories, which correspond to dataset variables grespsoc and gpartsoc respectively. More detailed documentation of SOC is given elsewhere.

SOC 2000 code	Employment category
1	Managers and senior officials
2	Professional occupations
3	Associate professional and technical occupations
4	Administrative and secretarial occupations
5	Skilled trades occupations
6	Personal service occupations
7	Sales and customer service occupations
8	Process, plant and machine operatives
9	Elementary occupations