

14 Year Child Booklet Coding

The layout and formatting of the original booklet have been changed, in order to accommodate variable names and value codes. However, the items themselves are unchanged, and the page numbering is that same as that used in the original booklet.

Nearly all responses in this booklet were recorded by means of tick boxes and have been numerically coded. This document shows the numeric codes used for each item, and the variable names used both in the raw data and in the analysis dataset.

Free numeric responses were recorded by the twins for the hours per week spent on activities (page 2), and for the height and weight (page 11). These were coded and/or converted, if necessary, at the point of data entry. Hours per week were converted to decimal numbers of hours. Height was converted to number of centimeters (integer), and weight was converted to number of kilograms (decimal).

Variables in the analysis dataset

Variable names and value codes are shown in RED.

All items in this booklet are twin-specific. In the dataset, these items have been double-entered, with one row of data per twin, and with the twin and co-twin data in each row. Hence, those twin-specific variables with names ending in '1' refer to the twin identified in a given row of data (regardless of whether this is the elder or younger twin of a pair); those variables with names ending in '2' refer to the co-twin.

Variables in the cleaned raw data

The cleaned raw data are stored in an Access database. Variable names are shown in BLUE.

The value codes used in the raw data are in most cases identical to those used in the analysis dataset; where this is the case, value codes are shown in red only and are not duplicated in blue.

Where value coding differs between the raw data and the dataset variables, this blue font is used to annotate the raw data coding.

In the cleaned raw data the value -99 is used to denote a missing value, and the value -77 is used to denote a not-applicable value. In all cases, these values have been recoded to missing in the dataset variables.

The field names in the raw data differ from the variable names used in the analysis dataset. The restructuring of data for double entry in the analysis dataset (see above), involving duplication of twin data for the co-twin, is not done in the raw data.

TwinID (numeric ID number)

Please answer these questions about your home. Think about how things have been in the last 3 months.

			Not true	Quite true	Very true
First thing in the day, we have a regular routine at home	chaos1	nccha11/2	0	1	2
You can't hear yourself think in our home	chaos2	nccha21/2	0	1	2
It's a real zoo in our home	chaos3	nccha31/2	0	1	2
We are usually able to stay on top of things	chaos4	nccha41/2	0	1	2
There is usually a television turned on somewhere in our home	chaos5	nccha51/2	0	1	2
The atmosphere in our house is calm	chaos6	nccha61/2	0	1	2

Which of the following activities do you do, and how much do you enjoy them? If you have never had a go at these activities, please cross never done.

For "Hours per week", verbatim text responses (generally in hours and minutes) were converted at the point of data entry to a decimal number of hours. If a twin wrote a range, the mid-point of the range was recorded (for example, 3-4 hours was coded as 3.5).

	Hours per week		Enjoy a lot	Enjoy a bit	It's OK	Don't enjoy it much	Don't enjoy at all	Never done
Sports (physical exercise)	act1h * ncact1h1/2 *	act1 ncact11/2	1	2	3	4	5	6
Computer games	act2h * ncact2h1/2 *	act2 ncact21/2	1	2	3	4	5	6
Watching TV/DVDs	act3h * ncact3h1/2 *	act3 ncact31/2	1	2	3	4	5	6
Organised groups (e.g. youth club, scouts/guides, church)	act4h * ncact4h1/2 *	act4 ncact41/2	1	2	3	4	5	6
Hang out with friends outside (e.g. in parks, streets)	act5h * ncact5h1/2 *	act5 ncact51/2	1	2	3	4	5	6
Reading for fun	act6h * ncact6h1/2 *	act6 ncact61/2	1	2	3	4	5	6

* In the raw data, hours per week is recorded as a decimal number.

* In the dataset variables, these are rounded to the nearest integer, with value 1 meaning 1 hour or less, up to a maximum of 35 meaning 35 hours or more. In item 4, the highest value is 15 (15 hours or more) and in item 6 the highest value is 30 (30 hours or more). These ranges were chosen to match the observed distributions of responses.

When you are answering these questions it would help us if you could think about the parent you spend the most time with.

			Not true	Quite true	Very true
When I misbehave I am smacked or slapped	dis1	ncdis11/2	0	1	2
When I misbehave I am told off or shouted at	dis2	ncdis21/2	0	1	2
When I misbehave Mum/Dad explains why what I have done is wrong	dis3	ncdis31/2	0	1	2
When I misbehave Mum/Dad is firm and calm with me	dis4	ncdis41/2	0	1	2
When I misbehave Mum/Dad makes a joke out of it	dis5	ncdis51/2	0	1	2
When I misbehave my Mum/Dad asks someone else to deal with me	dis6	ncdis61/2	0	1	2
My Mum/Dad gets impatient with me	par1	ncpar11/2	0	1	2
I feel happy about my relationship with my Mum/Dad	par2	ncpar21/2	0	1	2
My Mum/Dad finds me funny – I make him/her laugh	par3	ncpar31/2	0	1	2
My Mum/Dad sometimes wishes I would leave him/her alone for a few minutes	par4	ncpar41/2	0	1	2
I make my Mum/Dad angry	par5	ncpar51/2	0	1	2
I feel close to my Mum/Dad	par6	ncpar61/2	0	1	2
I make my Mum/Dad feel frustrated	par7	ncpar71/2	0	1	2

Please give your answers on the basis of how you've felt over the last 3 months.

			Not true at all	Just a little bit true	Pretty much true	Very much true
I make careless mistakes or have trouble paying close attention to details	con01	nccon011/2	0	1	2	3
I have trouble keeping my attention focused when playing or working	con02	nccon021/2	0	1	2	3
I have trouble listening to what people say to me	con03	nccon031/2	0	1	2	3
I have trouble finishing my schoolwork or chores	con04	nccon041/2	0	1	2	3
I have problems organising my tasks and activities	con05	nccon051/2	0	1	2	3
I don't like schoolwork or homework where I have to think a lot	con06	nccon061/2	0	1	2	3
I lose things necessary for tasks and activities (e.g., school assignments, pencils, books, or tools)	con07	nccon071/2	0	1	2	3
I am distracted when things are going on around me	con08	nccon081/2	0	1	2	3
I am forgetful in my daily activities	con09	nccon091/2	0	1	2	3
I have trouble playing or doing leisure activities quietly	con10	nccon101/2	0	1	2	3
I fidget (with hands or feet) or squirm in my seat	con11	nccon111/2	0	1	2	3
I leave my seat when I am not supposed to (e.g. in school)	con12	nccon121/2	0	1	2	3
I am restless or overactive	con13	nccon131/2	0	1	2	3
I am always on the go	con14	nccon141/2	0	1	2	3
I talk too much	con15	nccon151/2	0	1	2	3
I give answers to questions before the questions have been completed	con16	nccon161/2	0	1	2	3
I have trouble waiting in line or taking turns with others	con17	nccon171/2	0	1	2	3
I interrupt others when they are working or playing	con18	nccon181/2	0	1	2	3

Think about your twin. Tell us how true each statement is for you and your twin

			Not at all true	A little true	Somewhat true	Pretty true	Really true
Makes me feel good about my ideas	iptw01	ncipt011/2	0	1	2	3	4
Make each other feel important and special	iptw02	ncipt021/2	0	1	2	3	4
Sticks up for me if others talk behind my back	iptw03	ncipt031/2	0	1	2	3	4
Cares about my feelings	iptw04	ncipt041/2	0	1	2	3	4
Listens to me	iptw05	ncipt051/2	0	1	2	3	4
Does not tell others my secrets	iptw06	ncipt061/2	0	1	2	3	4
Can count on to keep promises	iptw07	ncipt071/2	0	1	2	3	4
Always tell each other our problems	iptw08	ncipt081/2	0	1	2	3	4
Talk about the things that make us sad	iptw09	ncipt091/2	0	1	2	3	4
Talk to him/her when I'm angry about something	iptw10	ncipt101/2	0	1	2	3	4

Now think about your closest friend (someone who is NOT your twin). Tell us how true each statement is for you and this closest friend

			Not at all true	A little true	Somewhat true	Pretty true	Really true
Makes me feel good about my ideas	ipfr01	ncipf011/2	0	1	2	3	4
Make each other feel important and special	ipfr02	ncipf021/2	0	1	2	3	4
Sticks up for me if others talk behind my back	ipfr03	ncipf031/2	0	1	2	3	4
Cares about my feelings	ipfr04	ncipf041/2	0	1	2	3	4
Listens to me	ipfr05	ncipf051/2	0	1	2	3	4
Does not tell others my secrets	ipfr06	ncipf061/2	0	1	2	3	4
Can count on to keep promises	ipfr07	ncipf071/2	0	1	2	3	4
Always tell each other our problems	ipfr08	ncipf081/2	0	1	2	3	4
Talk about the things that make us sad	ipfr09	ncipf091/2	0	1	2	3	4
Talk to him/her when I'm angry about something	ipfr10	ncipf101/2	0	1	2	3	4

Thinking of the parent/guardian you spend the most time with. Rate how true each statement is for you and your parent/guardian.

			Not at all true	A little true	Somewhat true	Pretty true	Really true
Makes me feel good about my ideas	ippa01	ncipp011/2	0	1	2	3	4
Make each other feel important and special	ippa02	ncipp021/2	0	1	2	3	4
Sticks up for me if others talk behind my back	ippa03	ncipp031/2	0	1	2	3	4
Cares about my feelings	ippa04	ncipp041/2	0	1	2	3	4
Listens to me	ippa05	ncipp051/2	0	1	2	3	4
Does not tell others my secrets	ippa06	ncipp061/2	0	1	2	3	4
Can count on to keep promises	ippa07	ncipp071/2	0	1	2	3	4
Always tell each other our problems	ippa08	ncipp081/2	0	1	2	3	4
Talk about the things that make us sad	ippa09	ncipp091/2	0	1	2	3	4
Talk to him/her when I'm angry about something	ippa10	ncipp101/2	0	1	2	3	4

Below is a list of things that some children do to other children. How often during this school year has another pupil done these things to you?

			Not at all	Once	More than once
Punched me	victim01	ncvic011/2	0	1	2
Tried to get me into trouble with my friends	victim02	ncvic021/2	0	1	2
Called me names	victim03	ncvic031/2	0	1	2
Took something of mine without permission	victim04	ncvic041/2	0	1	2
Kicked me	victim05	ncvic051/2	0	1	2
Tried to make my friends turn against me	victim06	ncvic061/2	0	1	2
Made fun of me because of my appearance	victim07	ncvic071/2	0	1	2
Tried to break something of mine	victim08	ncvic081/2	0	1	2
Hurt me physically in some way	victim09	ncvic091/2	0	1	2
Refused to talk to me	victim10	ncvic101/2	0	1	2
Made fun of me for some reason	victim11	ncvic111/2	0	1	2
Stole something from me	victim12	ncvic121/2	0	1	2
Beat me up	victim13	ncvic131/2	0	1	2
Made other people not talk to me	victim14	ncvic141/2	0	1	2
Swore at me	victim15	ncvic151/2	0	1	2
Deliberately damaged some property of mine	victim16	ncvic161/2	0	1	2

In my **Science** classes...

			Almost never	Seldom	Some times	Often	Very Often
My teacher asks questions that have more than one answer	sci01	ncsci011/2	0	1	2	3	4
My teacher asks me to give reasons for my answers	sci02	ncsci021/2	0	1	2	3	4
My teacher encourages me to ask questions	sci03	ncsci031/2	0	1	2	3	4
I learn from my classmates	sci04	ncsci041/2	0	1	2	3	4
I use information to support my answers	sci05	ncsci051/2	0	1	2	3	4
I talk to my classmates about how to solve problems	sci06	ncsci061/2	0	1	2	3	4
My teacher allows me to get away with doing easy work	sci07	ncsci071/2	0	1	2	3	4
The teacher gives me work that makes me really think	sci08	ncsci081/2	0	1	2	3	4

In relation to **Science**...

			Almost never	Seldom	Some times	Often	Very Often
My friends talk about Science outside of class	sci09	ncsci091/2	0	1	2	3	4
My friends discuss things they have learned in Science	sci10	ncsci101/2	0	1	2	3	4
My friends enjoy doing Science-related activities outside of class	sci11	ncsci111/2	0	1	2	3	4
My friends are interested in Science	sci12	ncsci121/2	0	1	2	3	4

In my **Maths** classes...

			Almost never	Seldom	Some times	Often	Very Often
My teacher asks questions that have more than one answer	mat01	ncmat011/2	0	1	2	3	4
My teacher asks me to give reasons for my answers	mat02	ncmat021/2	0	1	2	3	4
My teacher encourages me to ask questions	mat03	ncmat031/2	0	1	2	3	4
I learn from my classmates	mat04	ncmat041/2	0	1	2	3	4
I use information to support my answers	mat05	ncmat051/2	0	1	2	3	4
I talk to my classmates about how to solve problems	mat06	ncmat061/2	0	1	2	3	4
My teacher allows me to get away with doing easy work	mat07	ncmat071/2	0	1	2	3	4
The teacher gives me work that makes me really think	mat08	ncmat081/2	0	1	2	3	4

In relation to **Maths**...

			Almost never	Seldom	Some times	Often	Very Often
My friends talk about Maths outside of class	mat09	ncmat091/2	0	1	2	3	4
My friends discuss things they have learned in Maths	mat10	ncmat101/2	0	1	2	3	4
My friends enjoy doing Maths-related activities outside of class	mat11	ncmat111/2	0	1	2	3	4
My friends are interested in Maths	mat12	ncmat121/2	0	1	2	3	4

In my **English** classes...

			Almost never	Seldom	Some times	Often	Very Often
My teacher asks questions that have more than one answer	eng01	nceng011/2	0	1	2	3	4
My teacher asks me to give reasons for my answers	eng02	nceng021/2	0	1	2	3	4
My teacher encourages me to ask questions	eng03	nceng031/2	0	1	2	3	4
I learn from my classmates	eng04	nceng041/2	0	1	2	3	4
I use information to support my answers	eng05	nceng051/2	0	1	2	3	4
My teacher allows me to get away with doing easy work	eng06	nceng061/2	0	1	2	3	4
The teacher gives me work that makes me really think	eng07	nceng071/2	0	1	2	3	4

In relation to **English**...

			Almost never	Seldom	Some times	Often	Very Often
My friends talk about English outside of class	eng08	nceng081/2	0	1	2	3	4
My friends discuss things they have learned in English	eng09	nceng091/2	0	1	2	3	4
My friends enjoy doing English-related activities outside of class.	eng10	nceng101/2	0	1	2	3	4
My friends are interested in English	eng11	nceng111/2	0	1	2	3	4

In the following three questions, in the raw data there were negligible "not true" responses. Therefore, in the dataset variables, the coding has been changed to 1=quite true (or not true), 2=very true.

Not true	Quite true	Very True
0	1	2
1	1	2

Rawdata coding:

Dataset coding:

My parent(s) think a good education is very important **edpar1** **ncedpa11/2**
 My parent(s) think that trying to do my best in school is important **edpar2** **ncedpa21/2**
 My parent(s) are interested in the marks I get at school **edpar3** **ncedpa31/2**

What courses do you hope to follow? You can tick more than one box.

The following five variables are coded as 1=yes (ticked), 0=no (not ticked)

cogcse **nccogcs1/2** GCSEs
coalev **nccoale1/2** A-levels
coappr **nccoapp1/2** Apprenticeship
covoca **nccovoc1/2** Vocational course
codegr **nccodeg1/2** Degree

coothe Other 0=no, 1=yes Please specify..... **coother**: see table below

In the original questionnaire, the "please specify" response was recorded as text. In the cleaned raw data, the text has been coded, sometimes into the variables above where appropriate, but more usually into the variable 'coother' using the codes tabulated below.

coother

nccooth1/2:

Code	Meaning	Examples in original text
1	Postgraduate qualification	PhD, MA, masters degree, PGCE
2	Overseas qualification	Scottish standard/higher grades, International Baccalaureate, various others
3	Mention of a specific career (but not of a qualification)	Teacher, hairdresser, engineer, nurse, doctor, and others

The following questions are about your physical development. We all change and develop physically, mentally and emotionally in the process of growing-up. The physical growth and development of your body is an especially important part of the growing process. Since it is normal for boys and girls to go through these physical changes at different times, we are interested in learning whether you are experiencing any of these changes.

Heights and weights were converted from imperial to metric units at the point of data entry.

How tall are you? (either metric or imperial) Metric cm or ft Imperial inches
htcm **nhtcm1/2** (numeric integer number of centimeters)

How much do you weigh? Metric kg or st Imperial pounds
wtkg **ncwtkg1/2** (numeric decimal number of kilograms)

In puberty items 1, 2, 3, 4, 6 and 7 below, the raw data response 4=not sure has been recoded to missing in the dataset variables.

		Not yet begun	Barely begun	Definitely begun	Completed	Not sure
	Raw data coding:	0	1	2	3	4
	Dataset coding:	0	1	2	3	
Would you say that your growth-spurt (more growth than usual) has -	pub1 ncpub11/2					
Would you say that your body hair (underarm & pubic) growth has -	pub2 ncpub21/2					
Has your skin begun to change (especially spots)?	pub3 ncpub31/2					

Please tick the box to show whether you are male or female

sex Male 1 Female 0

After checking the data, this item variable has been dropped from the dataset as it is redundant (using variable sex1/2 originating from admin data).

If you are female, please answer the questions in section A below.

If you are male, please answer the questions in section B below.

Section A – Females only

	Not yet begun	Barely begun	Definitely begun	Completed	Not sure
Raw data coding:	0	1	2	3	4
Dataset coding:	0	1	2	3	
Have your breasts begun to grow?	pub4	ncpub41/2			
Have you begun to menstruate (to have monthly periods)?	pub5	ncpub51/2		Yes 1	No 0
If you have begun to menstruate, what was the month and year of your first menstruation (period)?	mensyy		mensmm		
2002 <input type="checkbox"/> 2002	2006 <input type="checkbox"/> 2006	Jan <input type="checkbox"/> 1	Feb <input type="checkbox"/> 2		
2003 <input type="checkbox"/> 2003	2007 <input type="checkbox"/> 2007	Mar <input type="checkbox"/> 3	Apr <input type="checkbox"/> 4		
2004 <input type="checkbox"/> 2004	2008 <input type="checkbox"/> 2008	May <input type="checkbox"/> 5	Jun <input type="checkbox"/> 6		
2005 <input type="checkbox"/> 2005	2009 <input type="checkbox"/> 2009	Jul <input type="checkbox"/> 7	Aug <input type="checkbox"/> 8		
		Sept <input type="checkbox"/> 9	Oct <input type="checkbox"/> 10		
		Nov <input type="checkbox"/> 11	Dec <input type="checkbox"/> 12		

Raw year and month variables are replaced in the dataset by age in years:

ncpub5age1/2

with values 9=9 or less, 10, 11, 12, 13, 14.

Section B – Males only

	Not yet begun	Barely begun	Definitely begun	Completed	Not sure
Raw data coding:	0	1	2	3	4
Dataset coding:	0	1	2	3	
Has your voice begun to change (deepen)?	pub6	ncpub61/2			
Have you begun to grow hair on your face?	pub7	ncpub71/2			

That's it!

Thank you very much for your time and effort!