

## 12 Year Parent 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. All responses in this booklet were recorded by means of tick boxes, and in all cases these 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.

### Variables in the analysis dataset

Variable names and value codes are shown in RED.

Most 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 and value codes are shown in RED. The value codes used in the raw data are identical to those used in the analysis dataset, which is why they have not been shown in a different colour. However, the value -99 is used in the cleaned raw data to denote a missing value (in the analysis dataset, the values are simply missing).

In almost all cases, variable names also are identical to those used in the analysis dataset, although a different convention has been used for distinguishing between variables for the elder and younger twin of each pair. For twin-specific items in this booklet, in the raw data, variables with names ending in '1' refer to the elder twin, which variables with names ending in '2' refer to the younger twin. Note that this convention is different from that used in the analysis dataset (see above), in which the data have been re-structured for double entry.

In cases where either the variable naming or coding has been changed from the raw data to the dataset, this blue font is used to indicate differences in the raw data.

**PARENT QUESTIONNAIRE  
2007 STUDY  
ABOUT YOU AND YOUR FAMILY**

**Please answer the following questions.**

		<b>Never</b>	<b>Sometimes</b>	<b>Often</b>
1. Do you have difficulty in telling left from right?	lplit01	0	1	2
2. Is map reading, or finding your way to a strange place confusing?	lplit02	0	1	2
3. Do you dislike reading aloud?	lplit03	0	1	2
4. Do you take longer than you should to read a page of a book?	lplit04	0	1	2
5. Do you find it difficult to remember the sense of what you have read?	lplit05	0	1	2
6. Do you dislike reading long books?	lplit06	0	1	2
7. Is your spelling poor?	lplit07	0	1	2
8. Is your writing difficult to read?	lplit08	0	1	2
9. Do you get confused if you have to speak in public?	lplit09	0	1	2
10. Do you find it difficult to take messages on the telephone and pass them on correctly?	lplit10	0	1	2
11. When you have to say a very long word, do you find it difficult to get all the sounds into the right order?	lplit11	0	1	2
12. Do you find it more difficult to do sums in your head without using your fingers or paper?	lplit12	0	1	2
13. When using the telephone, do you get the numbers mixed up when you dial?	lplit13	0	1	2
14. Do you find it difficult to say the months of the year <i>forwards</i> , in order, in a fluent manner?	lplit14	0	1	2
15. Do you find it difficult to say the months of the year <i>backwards</i> , in order?	lplit15	0	1	2
16. Do you mix up dates and times and miss appointments?	lplit16	0	1	2
17. When writing cheques, do you frequently find yourself making mistakes?	lplit17	0	1	2
18. Do you find forms difficult and confusing?	lplit18	0	1	2
19. Do you mix up bus numbers like 95 and 59?	lplit19	0	1	2
20. When you were at school, did you find it hard to learn your multiplication tables?	lplit20	0	1	2

**Please give your answers on the basis of each child's behaviour over the last 3 months.**

			<b>Yes</b>	<b>No</b>
1. Does s/he join in playing games with other children easily?	lpcas011/2	Elder twin	1	0
		Younger twin	1	0
2. Does s/he come up to you spontaneously for a chat?	lpcas021/2	Elder twin	1	0
		Younger twin	1	0
3. Is it important to him/ her to fit in with the peer group?	lpcas031/2	Elder twin	1	0
		Younger twin	1	0
4. Does s/he appear to notice unusual details that others miss?	lpcas041/2	Elder twin	1	0
		Younger twin	1	0
5. Does s/he tend to take things literally?	lpcas051/2	Elder twin	1	0
		Younger twin	1	0
6. Does s/he like to do things over and over again, in the same way all the time?	lpcas061/2	Elder twin	1	0
		Younger twin	1	0
7. Does s/he find it easy to interact with other children?	lpcas071/2	Elder twin	1	0
		Younger twin	1	0
8. Can s/he keep a two-way conversation going?	lpcas081/2	Elder twin	1	0
		Younger twin	1	0
9. Does s/he mostly have the same interests as his/ her peers?	lpcas091/2	Elder twin	1	0
		Younger twin	1	0
10. Does s/he have an interest which takes up so much time that s/he does little else?	lpcas101/2	Elder twin	1	0
		Younger twin	1	0
11. Does s/he have friends, rather than just acquaintances?	lpcas111/2	Elder twin	1	0
		Younger twin	1	0
12. Does s/he often bring you things s/he is interested in to show you?	lpcas121/2	Elder twin	1	0
		Younger twin	1	0
13. Does s/he enjoy joking around?	lpcas131/2	Elder twin	1	0
		Younger twin	1	0
14. Does s/he have difficulty understanding the rules for polite behaviour?	lpcas141/2	Elder twin	1	0
		Younger twin	1	0
15. Does s/he appear to have an unusual memory for details?	lpcas151/2	Elder twin	1	0
		Younger twin	1	0
16. Is his/her voice unusual (e.g. overly adult, flat, or very monotonous)?	lpcas161/2	Elder twin	1	0
		Younger twin	1	0
17. Are people important to him/ her?	lpcas171/2	Elder twin	1	0
		Younger twin	1	0
18. Is s/he good at turn-taking in conversation?	lpcas181/2	Elder twin	1	0
		Younger twin	1	0
19. Does s/he play imaginatively with other children, and engage in role-play?	lpcas191/2	Elder twin	1	0
		Younger twin	1	0
20. Does s/he often do or say things that are tactless or socially inappropriate?	lpcas201/2	Elder twin	1	0
		Younger twin	1	0
21. Does s/he make normal eye contact?	lpcas211/2	Elder twin	1	0
		Younger twin	1	0
22. Does s/he have any unusual or repetitive movements?	lpcas221/2	Elder twin	1	0
		Younger twin	1	0

			Yes	No
23. Is his/ her social behaviour very one-sided and always on his/ her own terms?	1pcas231/2	Elder twin	1	0
		Younger twin	1	0
24. Does she/ he sometimes say 'you' or 's/he' when s/he means 'I'?	1pcas241/2	Elder twin	1	0
		Younger twin	1	0
25. Does s/he prefer imaginative activities such as play-acting or story-telling, rather than numbers or lists of facts?	1pcas251/2	Elder twin	1	0
		Younger twin	1	0
26. Does s/he sometimes lose the listener because of not explaining what s/he is talking about?	1pcas261/2	Elder twin	1	0
		Younger twin	1	0
27. Does s/he try to impose routines on him/ herself, or on others, in such a way that it causes problems?	1pcas271/2	Elder twin	1	0
		Younger twin	1	0
28. Does s/he care how s/he is perceived by the rest of the group?	1pcas281/2	Elder twin	1	0
		Younger twin	1	0
29. Does s/he often turn conversations to his/ her favourite subject rather than following what the other person wants to talk about?	1pcas291/2	Elder twin	1	0
		Younger twin	1	0
30. Does s/he have odd or unusual phrases?	1pcas301/2	Elder twin	1	0
		Younger twin	1	0

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

		Not true	Somewhat true	Certainly true
1. The twins have a regular bedtime routine	1pchaos1	0	1	2
2. You can't hear yourself think in our home	1pchaos2	0	1	2
3. We are usually able to stay on top of things	1pchaos3	0	1	2
4. There is usually a television turned on somewhere in our home	1pchaos4	0	1	2
5. The atmosphere in our house is calm	1pchaos5	0	1	2

Please give your answers on the basis of the child's behaviour over the last 3 months.

			Not true at all	Just a little bit true	Pretty much true	Very much true
1. Is always "on the go" or acts as if driven by a motor	1pcon011/2	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
2. Avoids, expresses reluctance about, or has difficulties engaging in tasks that require sustained mental effort (such as schoolwork or homework)	1pcon021/2	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
3. Has difficulty sustaining attention in tasks or play activities	1pcon031/2	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
4. Does not seem to listen to what is being said to him/her	1pcon041/2	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
5. Runs about or climbs excessively in situations where it is inappropriate	1pcon051/2	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
6. Does not follow through on instructions and fails to finish schoolwork or chores.	1pcon061/2	Elder twin	0	1	2	3
		Younger twin	0	1	2	3

			<b>Not true at all</b>	<b>Just a little bit true</b>	<b>Pretty much true</b>	<b>Very much true</b>
7. Has difficulty organising tasks and activities	<b>lpcon071/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
8. Talks excessively	<b>lpcon081/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
9. Fails to give close attention to details or makes careless mistakes in schoolwork or other activities	<b>lpcon091/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
10. Has difficulty waiting in lines or awaiting turn in games or group situation	<b>lpcon101/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
11. Interrupts or intrudes on others (e.g., butts into others conversations or games)	<b>lpcon111/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
12. Forgetful in daily activities	<b>lpcon121/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
13. Fidgets with hands or feet or squirms in seat	<b>lpcon131/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
14. Has difficulty playing or engaging in leisure activities quietly	<b>lpcon141/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
15. Loses things necessary for tasks or activities (e.g., school assignments, pencils, books or toys)	<b>lpcon151/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
16. Leaves seat in classroom or in other situations in which remaining in seat is expected	<b>lpcon161/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
17. Easily distracted by extraneous stimuli	<b>lpcon171/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3
18. Blurts out answers to questions before the questions have been completed	<b>lpcon181/2</b>	Elder twin	0	1	2	3
		Younger twin	0	1	2	3

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.

When my child misbehaves I use the following methods:

			Rarely or never	Sometimes	Often
1. Give a smack	lpdis011/2	Elder twin	0	1	2
		Younger twin	0	1	2
2. Tell him/her off or shout at him/her	lpdis021/2	Elder twin	0	1	2
		Younger twin	0	1	2
3. Explain or reason with him/her	lpdis031/2	Elder twin	0	1	2
		Younger twin	0	1	2
4. Be firm or calm with him/her	lpdis041/2	Elder twin	0	1	2
		Younger twin	0	1	2
5. Make a joke out of it	lpdis051/2	Elder twin	0	1	2
		Younger twin	0	1	2
6. Ask someone else to deal with the situation	lpdis061/2	Elder twin	0	1	2
		Younger twin	0	1	2

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

			Rarely or never	Sometimes	Often
1. I feel impatient with my child	lppar011/2	Elder twin	0	1	2
		Younger twin	0	1	2
2. I feel happy about my relationship with my child	lppar021/2	Elder twin	0	1	2
		Younger twin	0	1	2
3. I am amused by my child	lppar031/2	Elder twin	0	1	2
		Younger twin	0	1	2
4. I sometimes wish my child would leave me alone for a few minutes	lppar041/2	Elder twin	0	1	2
		Younger twin	0	1	2
5. My child makes me angry	lppar051/2	Elder twin	0	1	2
		Younger twin	0	1	2
6. I feel close to my child	lppar061/2	Elder twin	0	1	2
		Younger twin	0	1	2
7. I feel frustrated by my child	lppar071/2	Elder twin	0	1	2
		Younger twin	0	1	2

**Please give your answers on the basis of each child's behaviour over the last 3 months.**

Dataset variable naming uses subscale suffixes (pro, hyp, emo, con, per) and numbering consistent with that used in other datasets, even where this may not match the order of presentation below.

In the raw data, variables are named lpsdq01 through to lpsdq25, following the ordering of the questions 1-25 as tabulated below.

			Not True	Somewhat True	Certainly True
1. Considerate of other people's feelings	lpsdqpro11/2	Elder twin	0	1	2
		Younger twin	0	1	2
2. Restless, overactive, cannot stay still for long	lpsdqhyp11/2	Elder twin	0	1	2
		Younger twin	0	1	2
3. Often complains of headaches, stomach aches or sickness	lpsdqemo11/2	Elder twin	0	1	2
		Younger twin	0	1	2
4. Shares readily with other children (food, games, pens etc.)	lpsdqpro21/2	Elder twin	0	1	2
		Younger twin	0	1	2
5. Often has temper tantrums or hot tempers	lpsdqcon11/2	Elder twin	0	1	2
		Younger twin	0	1	2
6. Rather solitary, tends to play alone	lpsdqper11/2	Elder twin	0	1	2
		Younger twin	0	1	2
7. Generally obedient, usually does what adults request	lpsdqcon21/2	Elder twin	0	1	2
		Younger twin	0	1	2
8. Many worries, often seems worried	lpsdqemo21/2	Elder twin	0	1	2
		Younger twin	0	1	2
9. Helpful if someone is hurt, upset or feeling ill	lpsdqpro31/2	Elder twin	0	1	2
		Younger twin	0	1	2
10. Constantly fidgeting or squirming	lpsdqhyp21/2	Elder twin	0	1	2
		Younger twin	0	1	2
11. Has at least one good friend	lpsdqper21/2	Elder twin	0	1	2
		Younger twin	0	1	2
12. Often fights with other children and bullies them	lpsdqcon31/2	Elder twin	0	1	2
		Younger twin	0	1	2
13. Often unhappy, downhearted or tearful	lpsdqemo31/2	Elder twin	0	1	2
		Younger twin	0	1	2
14. Generally liked by other children	lpsdqper31/2	Elder twin	0	1	2
		Younger twin	0	1	2
15. Easily distracted, concentration wanders	lpsdqhyp31/2	Elder twin	0	1	2
		Younger twin	0	1	2
16. Nervous or clingy in new situations, easily loses confidence	lpsdqemo41/2	Elder twin	0	1	2
		Younger twin	0	1	2
17. Kind to younger children	lpsdqpro41/2	Elder twin	0	1	2
		Younger twin	0	1	2
18. Often lies or cheats	lpsdqcon41/2	Elder twin	0	1	2
		Younger twin	0	1	2
19. Picked on or bullied by other children	lpsdqper41/2	Elder twin	0	1	2
		Younger twin	0	1	2
20. Often volunteers to help others (parents, teachers, children)	lpsdqpro51/2	Elder twin	0	1	2
		Younger twin	0	1	2
21. Thinks things out before acting	lpsdqhyp41/2	Elder twin	0	1	2
		Younger twin	0	1	2

			Not True	Somewhat True	Certainly True
22. Steals from home, school or elsewhere	lpsdqcon51/2	Elder twin	0	1	2
		Younger twin	0	1	2
23. Gets on better with adults than with other children	lpsdqper51/2	Elder twin	0	1	2
		Younger twin	0	1	2
24. Many fears, easily scared	lpsdqemo51/2	Elder twin	0	1	2
		Younger twin	0	1	2
25. Sees tasks through to the end, good attention span	lpsdqhyp51/2	Elder twin	0	1	2
		Younger twin	0	1	2

**These questions are about how your child may have been feeling or acting recently. For each question, please tick the box you think represents how she or he has felt or acted in the past two weeks.**

			Not True	Somewhat True	Certainly True
1. S/he didn't enjoy anything at all	lpmd011/2	Elder twin	0	1	2
		Younger twin	0	1	2
2. S/he felt so tired that s/he just sat around and did nothing	lpmd021/2	Elder twin	0	1	2
		Younger twin	0	1	2
3. S/he felt s/he was no good anymore	lpmd031/2	Elder twin	0	1	2
		Younger	0	1	2
4. S/he cried a lot	lpmd041/2	Elder young	0	1	2
		Younger twin	0	1	2
5. S/he found it hard to think properly or concentrate	lpmd051/2	Elder twin	0	1	2
		Younger twin	0	1	2
6. S/he hated him/herself	lpmd061/2	Elder twin	0	1	2
		Younger twin	0	1	2
7. S/he felt s/he was a bad person	lpmd071/2	Elder twin	0	1	2
		Younger twin	0	1	2
8. S/he felt lonely	lpmd081/2	Elder twin	0	1	2
		Younger twin	0	1	2
9. S/he thought nobody really loved him/ her	lpmd091/2	Elder twin	0	1	2
		Younger twin	0	1	2
10. S/he thought s/he could never be as good as other kids	lpmd101/2	Elder twin	0	1	2
		Younger twin	0	1	2
11. S/he felt s/he did everything wrong	lpmd011/2	Elder twin	0	1	2
		Younger twin	0	1	2



Please give your answers on the basis of each child's behaviour over the last 3 months.

			Not True	Somewhat True	Certainly True
1. Blames others for his/her mistakes	1paps011/2	Elder twin	0	1	2
		Younger twin	0	1	2
2. Engages in illegal activities	1paps021/2	Elder twin	0	1	2
		Younger twin	0	1	2
3. Is concerned about how well he/she does at school	1paps031/2	Elder twin	0	1	2
		Younger twin	0	1	2
4. Acts without thinking of the consequences	1paps041/2	Elder twin	0	1	2
		Younger twin	0	1	2
5. His/her emotions seem shallow and not genuine	1paps051/2	Elder twin	0	1	2
		Younger twin	0	1	2
6. Lies easily and skillfully	1paps061/2	Elder twin	0	1	2
		Younger twin	0	1	2
7. Is good at keeping promises	1paps071/2	Elder twin	0	1	2
		Younger twin	0	1	2
8. Brags excessively about his/her abilities, accomplishments, or possessions	1paps081/2	Elder twin	0	1	2
		Younger twin	0	1	2
9. Gets bored easily	1paps091/2	Elder twin	0	1	2
		Younger twin	0	1	2
10. Uses or cons other people to get what he/she wants	1paps101/2	Elder twin	0	1	2
		Younger twin	0	1	2
11. Teases, makes fun of other people	1paps111/2	Elder twin	0	1	2
		Younger twin	0	1	2
12. Feels bad or guilty when he/she does something wrong	1paps121/2	Elder twin	0	1	2
		Younger twin	0	1	2
13. Engages in risky or dangerous activities	1paps131/2	Elder twin	0	1	2
		Younger twin	0	1	2
14. Can be charming at times but in ways that seem insincere or superficial	1paps141/2	Elder twin	0	1	2
		Younger twin	0	1	2
15. Becomes angry when corrected or punished	1paps151/2	Elder twin	0	1	2
		Younger twin	0	1	2
16. Seems to think he/she is better than other people	1paps161/2	Elder twin	0	1	2
		Younger twin	0	1	2
17. Does not plan ahead or leaves things until the "last minute"	1paps171/2	Elder twin	0	1	2
		Younger twin	0	1	2
18. Is concerned about feelings of others	1paps181/2	Elder twin	0	1	2
		Younger twin	0	1	2
19. Does not show feelings or emotions	1paps191/2	Elder twin	0	1	2
		Younger twin	0	1	2
20. Keeps the same friends	1paps201/2	Elder twin	0	1	2
		Younger twin	0	1	2

**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!**