

# THIS BOOKLET IS FOR YOU

## TEDS 4 Year Parent booklet coding

This document was last updated in June 2023. Based on earlier documents of raw data and dataset coding originating in 2006 and previously updated in 2013 and 2018 for different dataset versions.

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

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

Where the value coding is the same in both the raw data and the dataset, it is shown in red only. Where it differs, it is shown in both red (dataset) and blue (raw data). Any significant recoding from raw data to dataset is explained with annotations.

In the raw data variables, missing responses are given values -99 (missing) or -77 (not applicable). In the dataset, these are simply recoded to missing values.

The paper booklet had date fields on at least five of the pages, as shown. The raw dates as originally recorded had problems of missing data and anomalies. These dates have been cleaned and aggregated into a single best-estimate date, replacing the original dates in the cleaned raw data. The date fields for this date are shown at the top of the first page of questions.

As indicated in the document, where questions elicited free text responses, these have not been entered in the raw data and have not been used in the dataset. The text responses to some questions were used at the time of the study to update contact details within the TEDS admin system.

Twin-specific responses in the raw data refer to "first born" and "second born" twins, and these have separate variables as shown. In the dataset, such variable have been double-entered in the usual way, as documented elsewhere in the data dictionary. Such variables have names ending in "1" or "2", denoting twin and cotwin respectively (not denoting elder and younger twin).

Similarly, many twin-specific items coded 1=elder twin, 2=younger twin, 3=both twins, 0=neither twin in the raw data have been recoded into double entered dataset twin variables coded 1=yes, 0=no for each twin.

## IMPORTANT

We know that parents of young children often move house - parents of young twins seem to move even more frequently!

PLEASE HELP US TO STAY IN TOUCH WITH YOU BY GIVING US THE NAME AND ADDRESS OF A RELATIVE OR FRIEND WHO IS **UNLIKELY** TO MOVE IN THE NEAR FUTURE.

Relative/friend contact details originally entered on this page were used to update the TEDS admin system at the time of the study. These details have not been retained in the 4 Year study raw data and have also subsequently been deleted from the admin system for reasons of privacy.

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THANK YOU!

## CONSENT FORM

If you and your twins would like to take part in this stage of TEDS it is important that you sign this form. As in all research, we can only involve you if you sign.

When you sign the form you are agreeing to fill out these **three** booklets as best you can.

Contact details originally entered on this page were used to update the TEDS admin system at the time of the study. These details have not been retained in the 4 Year study raw data.

**Your first name** .....

**Your last name** .....

**Relationship to the twins (eg. mother, guardian etc)** .....

**Your address** .....

.....

..... **Postcode**

**Your telephone number** .....

**First born twins' name** .....

**First born twins' last name** .....

**First born twins' date of birth** ...../...../..... (DAY/MONTH/YEAR)

**Second born twins' name** .....

**Second born twins' last name** .....

**Second born twins' date of birth** ...../...../..... (DAY/MONTH/YEAR)

**YES, I agree to myself and my twins taking part in this stage of TEDS, Twins' Early Development Study. I understand that we can withdraw from the study at any time, and that all information will be kept strictly confidential.**

**Signature** .....

**Date** ...../...../.....(DAY/MONTH/YEAR)



TODAY'S DATE ...../...../..... (DAY/MONTH/YEAR)

parent\_dd, parent\_mm, parent\_yyyy (dd, mm and yyyy date fields)

As explained above, this is a best estimate of the date when the booklet was completed by the parent, replacing multiple date fields in the original raw data.

### IS THERE ANYTHING NEW TO TELL US?

1) **What is your marital status at the present time?**

In the raw data, each of the 8 variables was coded 1=yes (ticked), 0=no (not ticked)

In the dataset, the 8 raw binary variables have been recoded into a single category variable: **dmstatus**

dmstatus values	Raw data variables	Responses
1	an01a	married to parent of the twins
2	an01b	married to someone else
3	an01c	cohabiting with parent of the twins
4	an01d	cohabiting with someone else
5	an01e	divorced
6	an01f	separated
7	an01g	widowed
8	an01h	Unmarried

Questions 2 – 9 are about things that have changed since your twins' 3<sup>rd</sup> birthdays

2) **Are there any new children living in the home with the twins?**

an02

dsibnew

YES	1
NO	0

If YES, please tell us about them:

Sibling details were originally entered below, including names, sexes, birth dates and relationships to the twins. These were used to update the TEDS admin system at the time of the study. These details have not been retained in the 4 Year study raw data, and have now been deleted from the admin system for reasons of privacy.

3) **Is the mother of the twins pregnant?** an03 dmopreg

YES 1       NO 0

If YES, when is the baby expected to be born?

(dates not retained in the raw data)

4) **Has your job changed in any way?** an04 djobch

YES 1       NO 0

If YES, please tell us about your job now (new job title, new hours of work etc)

5) **Has your partner's job changed in any way?** an05 djobchp

YES 1       NO 0       DO NOT HAVE A PARTNER 2

If YES, please tell us about his/her job now (new job title, new hours of work etc)

If any text were entered in the booklet here, they were not recorded in the raw data.

6) **Since we last contacted you have either of the twins' parents or brothers or sisters had any SERIOUS illness or accident?** an06 dillfam

YES 1       NO 0

If YES, please tell us: (Text responses not entered in the raw data.)

**Who?** (PLEASE TICK ALL THAT APPLY)

Mother of the twins  
an06m dillmo:  
1=yes 0=no

Father of the twins  
an06d dillfa:  
1=yes 0=no

Brother/sister  
an06s dillsib:  
1=yes 0=no

**What was wrong?**

(Text responses not entered in the raw data.)

Mother.....

Father.....

Brother/sister.....

**Was a visit or stay in hospital necessary?**

Mother an06mh dhospmo

Father an06dh dhospfa

Brother/sister an06sh dhospsib

YES 1  NO 0 2

YES 1  NO 0 2

YES 1  NO 0 2

**How long did the illness last?**

(Text responses not entered in the raw data.)

Mother.....

Father.....

Brother/sister.....

**How is s/he now?**

(Text responses not entered in the raw data.)

Mother.....

Father.....

Brother/sister.....

7) **Is there anything else you would like to tell us?** (PLEASE DESCRIBE)  
(Text responses not entered in the raw data.)

TODAY'S DATE ...../...../..... (DAY/MONTH/YEAR)

(If a date was originally recorded here, it has been used to estimate the booklet date shown on page 1.)

## YOUR TWINS DAY TO DAY

- 1) **Do you try to dress your twins as similarly as you can?** dd01 ddress  
 YES, usually 1     YES, sometimes 2     NO, but I coordinate their clothes 3     NO, never 0

If NO, never, please go on to question 3

**Why do you dress them in this way?** (PLEASE TICK ONE FOR EACH)

In the following items, 2=don't know is recoded to missing in the dataset

I like them to match	dd01a ddrilike	YES 1	NO 0	Don't Know 2
They like to look similar	dd01b ddrtwlik	YES 1	NO 0	Don't Know 2
It's easier to dress them similarly	dd01c ddreasy	YES 1	NO 0	Don't Know 2
It's cheaper to dress them similarly	dd01d ddrcheap	YES 1	NO 0	Don't Know 2
I have been given matching clothes	dd01e ddrgiven	YES 1	NO 0	Don't Know 2
I like people to know they are twins	dd01f ddrpknow	YES 1	NO 0	Don't Know 2
Any other reason?	dd01g ddrother	YES 1	NO 0	Don't Know 2

Please describe (Text responses not entered in the raw data.)

- 2) **Is it possible to tell your twins apart by one aspect of the way they dress? (for example, labels, certain colours, hairstyles)** dd02 ddrdiff  
 YES 1     NO 0

If YES, please describe (Text responses not entered in the raw data.)

- 3) **In a usual week, do your twins attend a play group or nursery?**  
dd03a  YES, 1st born 1     YES, 2nd born 2     YES, both twins 3     NO 0

recoded into individual twin variables: dplaygp1/2: 1=yes 0=no

If YES, both twins, do they go to the same play group or nursery? dd03b dgpsamen

YES, always 2 1     YES, sometimes 1 2     NO 0 0

If YES, always or YES, sometimes, are they in the same class? dd03c dgpsamec

YES, always 2 1     YES, sometimes 1 2     NO 0 0

- 4) **Have your twins ever "talked" to each other in a language that other people can not understand?** dd04a dlangown

YES, at the moment 1     YES, in the past 2     NO, never 0

If YES at the moment or YES in the past, do/did they switch between normal language and their own language? dd04b dlangswi

YES 1     NO 0

Is there anything else you would like to tell us about their special "language"?  
(Text responses not entered in the raw data.)

- 5) **On average, how often do others put your twins to bed?** (PLEASE TICK ONE FOR EACH)
- |   | often<br>(eg daily) | frequently<br>(eg 2-3<br>times/week) | occasionally<br>(eg 1-2<br>times/month) | never |
|---|---------------------|--------------------------------------|---|-------|
| Raw data coding:  | 1                   | 2                                    | 3                                       | 4     |
| Dataset coding:   | 3                   | 2                                    | 1                                       | 0     |
| Other parent  | dd05a               | dbedopar                             |   |       |
| Other relatives   | dd05b               | dbedorel                             |   |       |
| Friends   | dd05c               | dbedfrnd                             |   |       |
| Professional carers (eg. nanny)                               | dd05d               | dbedprof                             |   |       |
| Anyone else?  | dd05e               | dbedoth                              |   |       |
| Please describe (Text responses not entered in the raw data.) |                     |                                      |   |       |

- 6) **Do your twins share a room with anyone at night?** dd06 dbedrsh
- YES, with each other 1     YES, with each other and someone else 2     YES, with someone else 3     NO 0

(items 7-9 below all recoded into individual twin variables coded 1=yes 0=no)

- 7) **Do your twins share a bed with anyone at night?** dbedsh1/2: 1=yes 0=no
- dd07  YES, 1st born     YES, 2nd born     YES, both twins     NO

- 8) **Do your twins go to sleep with a light on?** (PLEASE TICK ONE FOR EACH)
- |   | dd08a | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
|---|-------|---|---|---|----------------------------------|
| room light dliroom1/2:<br>1=yes 0=no    | dd08a | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
| lamp in room dlilamp1/2:<br>1=yes 0=no  | dd08b | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
| night light dlinigt1/2:<br>1=yes 0=no   | dd08c | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
| landing light dliland1/2:<br>1=yes 0=no | dd08d | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
| no light dlinone1/2:<br>1=yes 0=no      | dd08e | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |

- 9) **Do your twins have any difficulty with sleep?** (PLEASE TICK ONE FOR EACH)
- |   | dd09a | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
|---|-------|---|---|---|----------------------------------|
| difficulty getting to sleep<br>dslprobl/2: 1=yes 0=no | dd09a | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
| frequent waking at night<br>dslwake1/2: 1=yes 0=no    | dd09b | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
| nightmares dslnmar1/2:<br>1=yes 0=no                  | dd09c | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |
| waking early dslear1/2:<br>1=yes 0=no                 | dd09d | <input type="checkbox"/> YES, 1st<br>born 1 | <input type="checkbox"/> YES, 2nd<br>born 2 | <input type="checkbox"/> YES, both<br>twins 3 | <input type="checkbox"/> NO<br>0 |

- 10) **At what age would you expect your twins to be dry at night?** dd10 dpdryexp  
(Last two categories combined as 7=5 or older in dataset)
- 2 1     2½ 2     3 3     3½ 4     4 5     4½ 6     5 7     older than 5 7 8

- 11) **Do your twins recognise when to use the toilet/potty during the day?** dpotty1/2
- |                  |       |           |              |       |
|------------------|-------|-----------|--------------|-------|
| Raw data coding: | 1     | 2         | 3            | 4     |
| Dataset coding:  | 3     | 2         | 1            | 0     |
| 1st born dd11a   | often | sometimes | occasionally | never |
| 2nd born dd11b   | often | sometimes | occasionally | never |



12) **Do your twins continue to wear nappies?** (PLEASE TICK ONE FOR EACH CHILD)

Raw data coding:	1	2	3
Dataset coding:	2	1	0
during the day:	1st born dd12da	<input type="checkbox"/> always	<input type="checkbox"/> sometimes <input type="checkbox"/> never
dnapda1/2	2nd born dd12db	<input type="checkbox"/> always <input type="checkbox"/> sometimes <input type="checkbox"/> never	
at night:	1st born dd12na	<input type="checkbox"/> always <input type="checkbox"/> sometimes <input type="checkbox"/> never	
dnapnt1/2	2nd born dd12nb	<input type="checkbox"/> always <input type="checkbox"/> sometimes <input type="checkbox"/> never	

13) **Have you tried, or are you trying to toilet/potty train your twins?**

recoded into individual twin variables (1=yes 0=no)

Have tried in the past dpottrp1/2: 1=yes 0=no  
 dd13p YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0  
 Trying at the moment dpottrp1/2: 1=yes 0=no  
 dd13m YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

14) **Are your twins dry throughout the day?** dpdryda1/2 (PLEASE TICK ONE FOR EACH CHILD)

Raw data coding:	1	2	3	4	5
Dataset coding:	4	3	2	1	0
1st born dd14a	every day	most days	some days	hardly ever	never
2nd born dd14b	every day	most days	some days	hardly ever	never

15) **Are your twins dry throughout the night?** dpdrynt1/2 (PLEASE TICK ONE FOR EACH CHILD)

Raw data coding:	1	2	3	4	5
Dataset coding:	4	3	2	1	0
1st born dd15a	every day	most days	some days	hardly ever	never
2nd born dd15b	every day	most days	some days	hardly ever	never

If both of the twins are fully potty/toilet trained, please go straight to page 6

16) **Have you tried any of the following at night?** (PLEASE TICK ONE FOR EACH)

	OFTEN	SOMETIMES	NEVER
	1	2	3
try without nappies dpnapp1/2	2	1	0
1st born dd16aa			
2nd born dd16ab			
stop drinks before bed dpdrink1/2			
1st born dd16ba			
2nd born dd16bb			
offer rewards for being dry dprward1/2			
1st born dd16ca			
2nd born dd16cb			
let child sleep in parent's bed dpparbd1/2			
1st born dd16da			
2nd born dd16db			
wake child to go to the toilet during the night dpwake1/2			
1st born dd16ea			
2nd born dd16eb			
lift child to the toilet (toilet child without waking) during the night dplift1/2			
1st born dd16fa			
2nd born dd16fb			
reassure child that it's OK if the bed is wet dpreass1/2			
1st born dd16ga			
2nd born dd16gb			

- 17) **Are your twins ever *APART* from each other for more than half an hour because:** 2=don't know recoded to missing in dataset
- |  |       |      |              |
|--|-------|------|--------------|
| They are put to bed at different times<br>dd17a dapbed   | YES 1 | NO 0 | Don't Know 2 |
| They wake up at different times<br>dd17b dapwake<br>dapalon1/2:  | YES 1 | NO 0 | Don't Know 2 |
| You spend time <b>alone</b> with first born twin without second born twin dd17c                        | YES 1 | NO 0 | Don't Know 2 |
| You spend time <b>alone</b> with second born twin without first born twin dd17d                        | YES 1 | NO 0 | Don't Know 2 |
| dapoth1/2:<br>Other people spend time <b>alone</b> with first born twin without second born twin dd17e | YES 1 | NO 0 | Don't Know 2 |
| Other people spend time <b>alone</b> with second born twin without first born twin dd17f               | YES 1 | NO 0 | Don't Know 2 |
| Any other reason?<br>dd17g dapother  | YES 1 | NO 0 | Don't Know 2 |
- Please describe (Text responses not entered in the raw data.)

If you ticked YES to any of the above, how many hours *in total* in a *usual* week do they spend apart from each other? .....Hours

dd17h: (free numeric)

daptothh: number of hours categorized:

1=1 hour, 2=2 hours, 3=3 hours, 4=4 hours, 5=5-6 hours, 6=7-10 hours, 7=over 10 hours

**IF YOUR TWINS ARE OF OPPOSITE SEX, PLEASE TURN TO PAGE 10.**

- 18) **Do you know FOR SURE if your twins are identical or non-identical?**  
dd18a dzysure
- YES 1       NO 0
- If NO, would you be interested in finding out if your twins are identical or non-identical? dd18b dzyfind
- very 1       a little 2       not really 3       definitely would not like to know 4
- 19) **Would you have agreed to testing to see whether the twins are identical or non-identical if:** (PLEASE TICK ONE FOR EACH)
- |                                    |  |                                       |                               |
|------------------------------------|--|---------------------------------------|-------------------------------|
| offered at birth<br>dd19a dzyofbir | <input type="checkbox"/> YES, definitely 1 | <input type="checkbox"/> YES, maybe 2 | <input type="checkbox"/> NO 0 |
| offered now<br>dd19b dzyofnow      | <input type="checkbox"/> YES, definitely 1 | <input type="checkbox"/> YES, maybe 2 | <input type="checkbox"/> NO 0 |

**ON THE NEXT FEW PAGES YOU WILL BE ASKED SOME MORE QUESTIONS ABOUT WHETHER YOUR TWINS ARE IDENTICAL OR NOT.  
PLEASE BE SURE TO ANSWER ALL OF THE QUESTIONS, EVEN IF SOME OF THEM SEEM SIMILAR TO THOSE ASKED ON THIS PAGE.**

TODAY'S DATE ...../...../..... (DAY/MONTH/YEAR)

(If a date was originally recorded here, it has been used to estimate the booklet date shown on page 1.)

## YOUR TWINS: IDENTICAL OR NON-IDENTICAL?

**REMEMBER: IF YOUR TWINS ARE OF OPPOSITE SEX, PLEASE TURN TO PAGE 10.**

We are interested in whether you think your twins are identical, or fraternal (non-identical). As they get older, it sometimes becomes easier to tell whether twins are identical or fraternal (non-identical). This is why we would like to ask you the following questions, many of which you have seen in an earlier TEDS booklet, when your twins were younger.

- 1) **Have you ever been told by a *health professional* (for example doctor, nurse, consultant) that your twins are identical or non-identical?** in01 dzyprof  
 YES, Identical 1     YES, non-identical 2     NO 0  
( 'no' responses recoded to missing for the dataset variable )  
If YES, why did they think this? (Text responses not entered in the raw data.)
- 2) **Do you think your twins are identical or non identical?** in02 dzyyou  
 Identical 1     Non-identical 2  
Why do you think this? (Text responses not entered in the raw data.)

## **PHYSICAL DIFFERENCES**

- 3) **Are there differences in the *shade* of your twins' hair?** in03 dzyhairs  
 None 1     Only slight difference 2     Clear difference 3  
If there is **any** difference, please describe:  
(Text responses not entered in the raw data.)
- 4) **Are there differences in the *texture* of your twins' hair (fine or coarse, straight or curly etc.)?** in04 dzyhairt  
 None 1     Only slight difference 2     Clear difference 3  
If there is **any** difference, please describe:  
(Text responses not entered in the raw data.)
- 5) **Are there differences in the colour of your twins' eyes?** in05 dzyeyes  
 None 1     Only slight difference 2     Clear difference 3  
If there is **any** difference, please describe:  
(Text responses not entered in the raw data.)
- 6) **Are there differences in the shape of your twins' ear lobes?** in06 dzyears  
 None 1     Only slight difference 2     Clear difference 3  
If there is **any** difference, please describe:  
(Text responses not entered in the raw data.)

7) **Did the twins' teeth begin to come through at about the same time?**

*in07 dzyteeth (also recoded into dzyteet2 as shown)*

*dzyteet2*

- |     |   |   |
|-----|---|---|
| 1 1 | The twins had matching teeth on the same side come through within a few days of each other  | 1 |
| 2 2 | The twins had matching teeth on opposite sides come through within a few days of each other | 1 |
| 3 3 | The twins had different teeth come through within a   | 2 |
| 4 4 | The twins' first teeth did not come through within a few                                    | 2 |
| 5 5 | The twins' teeth have not come through yet  |   |

8) **Do your twins look at all different?** (PLEASE DESCRIBE)

(Text responses not entered in the raw data.)

9) **Do you know of any *physical* differences between your twins that are not clear from looking at them (eg. differences in internal organs)?** *in09 dzyphysi*

YES 1     NO 0

If YES, please describe:

(Text responses not entered in the raw data.)

10) **Do you know your twins' ABO blood group and Rhesus (Rh) factors?**

*in10 dzyblood*

YES 1     NO 0

If YES, are they: (PLEASE TICK A BLOOD GROUP AND RHESUS FACTOR FOR EACH TWIN)

1st born    *in10ga*     A     B     AB     O

*in10fa*     Rh+     Rh-

2nd born    *in10gb*     A     B     AB     O

*in10fb*     Rh+     Rh-

Recoded into twin pair dataset variables:

*dzytyp: twins have different blood groups (A/B/AB/O): 1=yes (diff), 0=no (same)*

*dzyfac: twins have different blood factors (Rh+/-): 1=yes (diff), 0=no (same)*

11) **If there *are* differences between your twins, are they because of anything like problems at birth; an accident; or illness?** *in11 dzyprobs*

YES 1     NO 0     Don't Know 2     There are no differences 3

If YES, please describe:

(Text responses not entered in the raw data.)

12) **As your twins have grown older, has the likeness between them:**

*in12 dzygrow*

Remained the same 1     Become less 2     Become more 3

also recoded into *dzyold: 1=more 2=same 3=less*

## TELLING THE TWINS APART

13) **How do you tell the twins apart?** (PLEASE DESCRIBE)

(Text responses not entered in the raw data.)

14) **How do other members of your family tell them apart?** (PLEASE DESCRIBE)

(Text responses not entered in the raw data.)

15) **When looking at a new photograph of your twins, can you tell them apart (without looking at their clothes or using any other clues)?**

*in15 dzyphoto (also recoded into dzyphot2 as shown) dzyphot2*

- 1  YES, easily 3
- 2  YES, but it is hard sometimes 2
- 0  NO, I often confuse them in photographs 1

16) **Do any of the following people ever mistake your twins for each other?**

*(PLEASE TICK ONE FOR EACH GROUP OF PEOPLE)*

*(for the first four items below, the 4th response is recoded to missing in the dataset variables)*

- **Other parent of the twins** *in16p dzymistp*
  - 1  YES, often
  - 2  YES, sometimes
  - 3  Rarely or never
  - 4  THERE IS NO OTHER PARENT
- **Older brothers or sisters** *in16s dzymists*
  - 1  YES, often
  - 2  YES, sometimes
  - 3  Rarely or never
  - 4  THERE ARE NO OLDER BROTHERS OR SISTERS
- **Other relatives** *in16r dzymistr*
  - 1  YES, often
  - 2  YES, sometimes
  - 3  Rarely or never
  - 4  THERE ARE NO OTHER RELATIVES
- **Babysitter/day carer** *in16c dzymistb*
  - 1  YES, often
  - 2  YES, sometimes
  - 3  Rarely or never
  - 4  THERE IS NO BABYSITTER/DAY CARER
- **Parents' close friends** *in16f dzymistf*
  - 1  YES, often
  - 2  YES, sometimes
  - 3  Rarely or never
- **Parents' casual friends** *in16a dzymistc*
  - 1  YES, often
  - 2  YES, sometimes
  - 3  Rarely or never
- **People meeting the twins for the first time** *in16m dzymistm*
  - 1  YES, often
  - 2  YES, sometimes
  - 3  Rarely or never

17) **If the twins are ever mistaken for one another, does this ever occur when they are together?** *in17 dzytoget*

- 1  Yes, often
- 2  Yes, sometimes
- 3  No, almost never
- 4  They are not mistaken for one another

18) **Would you say that your twins:** *in18 dzytypeas*

- 1  are as physically alike as "two peas in a pod" (virtually the same)
- 2  are as physically alike as brothers and sisters are
- 3  do not look very much alike at all

TODAY'S DATE ...../...../..... (DAY/MONTH/YEAR)

(If a date was originally recorded here, it has been used to estimate the booklet date shown on page 1.)

## YOUR TWINS' HEALTH

- 1) **Have you, or has anyone else, ever suspected, that either of the twins may have a hearing problem even for a short period?**

recoded into individual twin variables: dhsusp1/2: 1=yes 0=no

twh01 YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

- 2) **Have you, or has anyone else ever thought that either of the twins may have had a problem with talking?**

recoded into individual twin variables: dhtalk1/2: 1=yes 0=no

twh02 YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

- 3) **Have either of the twins ever been prescribed a hearing aid?**

recoded into individual twin variables: dhaid1/2: 1=yes 0=no

twh03 YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

- 4) **During a cold, do either of the twins get a heavy yellow/green (catarrhal) discharge from their nose?**

dhccatar1/2  
1st born twh04a Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0  
2nd born twh04b Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0

- 5) **Have either of the twins ever had earache?**

dhache1/2  
1st born twh05a Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0  
2nd born twh05b Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0

- 6) **Has pus or a sticky mucus (not ear wax) ever leaked out of either of the twins' ears?**

dhpus1/2  
1st born twh06a Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0  
2nd born twh06b Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0

- 7) **Do either of the twins breathe through their mouth, rather than through their nose?**

dhmouth1/2  
1st born twh07a Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0  
2nd born twh07b Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0

- 8) **Do either of the twins snore or make snorting noises during their sleep?**

dhsnore1/2  
1st born twh08a Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0  
2nd born twh08b Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0

- 9) **Do either of the twins ever seem to ignore what people are saying?**

dhignor1/2  
1st born twh09a Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0  
2nd born twh09b Often 1 3 Sometimes 2 2 Occasionally 3 1 Never 4 0

- 10) **Have either of your twins ever had skin problems associated with itching and scratching (for example eczema)?**

dskitch1/2  
1st born twh10a  YES, at the moment 1  YES, previously 2  NO 0  
2nd born twh10b  YES, at the moment 1  YES, previously 2  NO 0

**If NO for both twins, please go on to question 15.**

- 11) **In the past 12 months have either of your twins taken any treatment (e.g. medicine, ointments) for an itchy rash or eczema?**

twh11  
YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

recoded into individual twin variables: dsktrt1/2: 1=yes 0=no

12) **Where on the body was the skin problem?** (PLEASE TICK ONE FOR EACH)

Dataset twin variables coded 1=yes, 0=no

Variable	Location	YES, 1st born	YES, 2nd born	YES, both twins	NO
twh12a	dskface1/2 Face	born 1	born 2	twins 3	0
twh12b	dskknee1/2 Inside knees and/or elbows	born 1	born 2	twins 3	0
twh12c	dskwris1/2 Wrists and/or ankles	born 1	born 2	twins 3	0
twh12d	Somewhere else	born 1	born 2	twins 3	0

(Please describe where) (raw text recoded but not retained)

Text responses to the "somewhere else" option were coded into variables below.

Location of itching coded from text (with examples)	Dataset twin variables coded 1=yes 0=no	Raw data variable (for either or both twins) coded 1=yes 0=no
Torso (abdomen, back, tummy, shoulders, buttocks, groin)	dsktorso1/2	twh12torso
Legs (legs, thighs, feet)	dsklegs1/2	twh12legs
Arms (arms, hands, fingers)	dskarms1/2	twh12arms
Head (head, neck, scalp, ears)	dskhead1/2	twh12head
Entire body	dskbody1/2	twh12body

13) **At what age did the skin problem start?** dskage1/2 categories:

1=0-3 months, 2=4-6 months, 3=7-12 months, 4=1-2 years, 5=2-3, 6=over 3 years

1st born twh13ay years twh13am months (free numeric) a1  Not affected 1

2nd born twh13by years twh13bm months (free numeric) a2  Not affected 1

14) **Is it still present?**

twh14 YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

This variable dropped from dataset because it is redundant (replicates information from dskitch1/2 above).

15) **Have either of your twins been prescribed medicine to control asthma?** twh15

dasthma1/2: 1=yes 0=no YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

16) **Do either of the twins experience any persistent allergy (e.g. food, textiles etc)?** twh16

dallergy1/2: 1=yes 0=no YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

If YES, please describe: 1st born  
2nd born

Text responses to this question were coded into twin-specific variables:

Raw data variables TWH16allergy1 (elder twin), TW16allergy2 (younger twin).

Dataset variables dallergy1/2.

Both raw data and dataset variables are coded as follows.

Code	Allergy type	Examples
1	Nuts	Peanuts
2	Dairy	Milk, lactose, eggs
3	Other foods	Various fruits, food additives, oranges, wheat
4	Antibiotics	Penicillin
5	Animals	Dogs, horses, fur, wool, fabrics, mites and dust
6	Chemicals	Detergents, soaps, plasters
7	Hayfever	Hayfever, pollen, grass
9	Other	Miscellaneous or unspecified

17) Do either of your twins have problems at the moment with:							
Dataset twin variables coded 1=yes, 0=no							
Eyesight?	dproeye1/2	twh17a	YES, 1st born 1	YES, 2nd born 2	YES, both twins 3	NO 0	
Stomachaches?	dprostol/2	twh17b	YES, 1st born 1	YES, 2nd born 2	YES, both twins 3	NO 0	
Sickness or vomiting?	dprovom1/2	twh17c	YES, 1st born 1	YES, 2nd born 2	YES, both twins 3	NO 0	
Severe headaches?	dprohd1/2	twh17d	YES, 1st born 1	YES, 2nd born 2	YES, both twins 3	NO 0	
Diabetes?	dprodial/2	twh17e	YES, 1st born 1	YES, 2nd born 2	YES, both twins 3	NO 0	
Weakness or paralysis of arms or legs?	dprowk1/2	twh17f	YES, 1st born 1	YES, 2nd born 2	YES, both twins 3	NO 0	
Fits (spell, convulsion or other attack that a doctor has called a fit)?	dprofit1/2	twh17g	YES, 1st born 1	YES, 2nd born 2	YES, both twins 3	NO 0	

18) **Do either of the twins have any known learning disability that makes him/her different from other children?** dld1/2: 1=yes 0=no

twh18a YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0 Don't know 4

If YES, please describe: 1st born  
2nd born

Text responses to this question were rare, but the more common categories were coded into twin-specific variables:

Raw data variables TWH18ld1 (elder twin), TW18ld2 (younger twin).

Dataset variables dlearndif1/2.

Both raw data and dataset variables are coded as follows.

Code	Learning difficulty	Examples
1	Speech	Speech, talking, language or reading problems
2	Delay	Delayed or slow learning, unspecified difficulties
3	ASD	Autism, Aspergers, autistic traits
4	Other	Miscellaneous other diagnosed conditions

19) **Have either of the twins been seen by your doctor (G.P.) in the last 12 months?**

dseengp1/2: 1=yes 0=no

twh19 YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

If YES, how many times? 1st born tw19a 2nd born tw19b (free numeric)

dseengx1/2 categories: 1, 2, 3, 4, 5=5-6, 6=7-10, 7=11+ times





TODAY'S DATE ...../...../..... (DAY/MONTH/YEAR)

(If a date was originally recorded here, it has been used to estimate the booklet date shown on page 1.)

20) **Have either of the twins suffered from bacterial meningitis since birth?**

dbacmen1/2: 1=yes 0=no

twh20 YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0 Don't know 4

If YES, what type of bacterial meningitis was this? (PLEASE TICK FOR EACH)

Meningococcal? twh20b YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

dbacmm1/2: 1Y 0N

Pneumococcal? twh20c YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

dbacmp1/2: 1Y 0N

Group B Streptococcus? twh20d YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

dbacms1/2: 1Y 0N

Haemophilus? twh20e YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

dbacmh1/2: 1Y 0N

Other? twh20f YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

dbacmo1/2: 1Y 0N

21) **Has your child been admitted to hospital to stay over night in the last 12 months?**

dhosp1/2: 1=yes 0=no

twh21a YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

If YES, how many times? 1st born twh21aa 2nd born twh21ab (free numeric)

dhosp1/2 categories: 1=1, 2=2, 3=3+ times

How long (in days) was the longest stay in hospital?

1st born.....days twh21ba 2nd born.....days twh21bb (free numeric)

dhospdd1/2 categories: 1=1, 2=2, 3=3-4, 4=5+ days

22) **Has your child been to hospital casualty in the last 12 months?** dhospca1/2: 1Y 0N

twh22 YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

If YES, how many times? 1st born.... tw22a (free numeric) 2nd born.... tw22b (free numeric)

dhospca1/2 categories: 1=1, 2=2, 3=3+ times

23) Has your child had a surgical operation in the last 12 months?

twh23 YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

dsurgry1/2: 1=yes 0=no

If Yes, at what age was the first operation?

1st born twh23ay years twh23am months; 2nd born twh23by years twh23bm months

dsurage1/2 categories: 1=36-39, 2=40-42, 3=43-45, 4=46-48 months

What was it for? 1st born, 2nd born (Text responses not entered in the raw data.)

Did it require general anaesthetic? dsurgga1/2: 1=yes 0=no

twh23d YES, 1st born 1 YES, 2nd born 2 YES, both twins 3 NO 0

1) **Is there a family history of:** 2=don't know recoded to missing in dataset

	Twins' mother's family				Twins' father's family			
High blood pressure?	dfammhbp	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know 2	dfamfhbp	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know 2
	twhh01ma	1	0		twhh01fa	1	0	
Weight problems?	dfammwt	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know 2	dfamfwt	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know 2
	twhh01mb	1	0		twhh01fb	1	0	
Diabetes mellitus?	dfammdia	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know 2	dfamfdia	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know 2
	twhh01mc	1	0		twhh01fc	1	0	
Heart disease?	dfammhd	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know 2	dfamfhd	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know 2
	twhh01md	1	0		twhh01fd	1	0	

2) **Has the mother of the twins ever had diabetes?**

2=don't know recoded to missing in dataset

While pregnant with the twins? twhh02a ddiaprtw YES 1 NO 0 Don't Know 2

While pregnant with other child(ren)? twhh02b ddiapro YES 1 NO 0 Don't Know 2

At another time? twhh02c ddiaoth YES 1 NO 0 Don't Know 2

## TWINS' EARLY EXPERIENCES

These questions are about some of the things your twins may do, and about some of the experiences they may have. Some things may be very similar for both twins, while others may be quite different. We are interested in any differences, so we ask you about each twin separately. For each item, first please think about your 1st born twin, and tick a box on the left to tell us about him/her. Then think about whether the item applies more, less, or about the same amount to your 2nd born twin, and tick a box on the right.

### **How you talk to your twins**

- 1) **Does your 1st born twin take part in nursery rhymes, simple songs, or prayers?** dtrhym

- 1  less than once a month      1st born: ee01a. 2nd born difference: ee01dif.  
2  once or twice a month      **Does your 2nd born twin do this more or less?** dtrhymd  
3  once or twice a week       1       2       3       4       5  
4  several times a week      a lot more      a little more      about equally      a little less      a lot less  
5  almost daily

- 2) **Do you ever correct words that your 1st born twin pronounces wrongly (for example, if s/he says 'boon' for 'spoon')?** dtpron

- 1  never or rarely      1st born: ee02a. 2nd born difference: ee02dif.  
2  occasionally      **Do you do this more or less with your 2nd born twin?** dtprond  
3  about half the time       1       2       3       4       5  
4  quite often      a lot more      a little more      about equally      a little less      a lot less  
5  almost always

- 3) **Do you ever correct your 1st born twin's sentence structure (for example, if s/he says 'me not want it' instead of 'I don't want it')?** dtsent

- 1  never or rarely      1st born: ee03a. 2nd born difference: ee03dif.  
2  occasionally      **Do you do this more or less with your 2nd born twin?** dtsentd  
3  about half the time       1       2       3       4       5  
4  quite often      a lot more      a little more      about equally      a little less      a lot less  
5  almost always

- 4) **Do you ever correct your 1st born if s/he says the wrong word for something (for example, if s/he calls a cow a horse)?** dtword

- 1  never or rarely      1st born: ee04a. 2nd born difference: ee04dif.  
2  occasionally      **Do you do this more or less with your 2nd born twin?** dtwordd  
3  about half the time       1       2       3       4       5  
4  quite often      a lot more      a little more      about equally      a little less      a lot less  
5  almost always

- 5) **Do you teach your 1st born twin about directions and locations (for example, left and right, where the shops are)?** dtloca

- 1  less than once a month      1st born: ee05a. 2nd born difference: ee05dif.  
2  once or twice a month      **Do you do this more or less with your 2nd born twin?** dtlocad  
3  once or twice a week       1       2       3       4       5  
4  several times a week      a lot more      a little more      about equally      a little less      a lot less  
5  almost daily

6) **Does your 1st born twin read books or look at books with you?** dtbook

1  less than once a month 1st born: ee06a. 2nd born difference: ee06dif.

2  once or twice a month Does this happen more or less with your 2nd born twin? dtbookd

3  once or twice a week  1  2  3  4  5

4  several times a week a lot more a little more about equally a little less a lot less

5  almost daily

7) **Do you talk to your 1st born twin when you are doing household chores?** dttalk

1  less than once a month 1st born: ee07a. 2nd born difference: ee07dif.

2  once or twice a month Does this happen more or less with your 2nd born twin? dttalkd

3  once or twice a week  1  2  3  4  5

4  several times a week a lot more a little more about equally a little less a lot less

5  almost daily

8) **Do you let your 1st born twin choose what to eat at either breakfast or lunch-time?** dteat

1  less than once a month 1st born: ee08a. 2nd born difference: ee08dif.

2  once or twice a month Does this happen more or less with your 2nd born twin? dteatd

3  once or twice a week  1  2  3  4  5

4  several times a week a lot more a little more about equally a little less a lot less

5  almost daily

### Your Twins' Play

9) **Does your 1st born twin get into "messy" play (for example, finger paints, cooking, water)?** dgmessy

1  less than once a month 1st born: ee09a. 2nd born difference: ee09dif.

2  once or twice a month Does your 2nd born twin do this more or less? dgmessyd

3  once or twice a week  1  2  3  4  5

4  several times a week a lot more a little more about equally a little less a lot less

5  almost daily

10) **Does your 1st born twin have any puzzles (for example, jigsaws, puzzle boards)**

(These may be shared with other children in the family) dgpuzz

1  none 1st born: ee10a. 2nd born difference: ee10dif.

2  1 - 3 Does your 2nd born twin have fewer or more puzzles? dgpuzzd

3  4 - 6  1  2  3  4  5

4  7 - 10 a lot more a little more about equal a little less a lot less

5  11 or more

11) **Do either of your twins have a cassette/record/CD player that s/he may use him/herself?**

(This may be shared with other members of the family.) ee11 dgmusic

YES 1  NO 0

If YES, how often does your 1st born use it? dgmusi

1  less than once a month 1st born: ee11a. 2nd born difference: ee11dif.

2  once or twice a month Does your 2nd born twin use it more or less? dgmusid

3  once or twice a week  1  2  3  4  5

4  several times a week a lot more a little more about equally a little less a lot less

5  almost daily

- 12) **Does your 1st born twin have any children's tapes/records/CDs (for example, of nursery rhymes, stories)?** (These may be shared with other children in the family.) **dg tapes**  
**1st born: ee12a. 2nd born difference: ee12dif.**
- 1  none  
2  1 - 3  
3  4 - 6  
4  7 - 10  
5  11 or more
- Does your 2nd born twin have fewer or more of them? dg tapesd**
- 1       2       3       4       5  
a lot more      a little more      about equal      a little less      a lot less
- 13) **Does your 1st born twin have any children's books?** (These may be shared with other children in the family.) **dg books**  
**1st born: ee13a. 2nd born difference: ee13dif.**
- 1  none  
2  1 - 10  
3  11 - 50  
4  51 - 100  
5  101 or more
- Does your 2nd born twin have fewer or more books? dg booksd**
- 1       2       3       4       5  
a lot more      a little more      about equal      a little less      a lot less
- 14) **Has your 1st born twin been taken to a theme centre (for example, zoo, museum, castle) in the past year?** (Do not include parks, playgrounds or amusement parks) **dg zoo**  
**1st born: ee14a. 2nd born difference: ee14dif.**
- 1  no  
2  once  
3  2 or 3 times  
4  4 or 5 times  
5  6 or more times
- Has your 2nd born twin been taken more or less? dg zood**
- 1       2       3       4       5  
a lot more      a little more      about equal      a little less      a lot less
- 15) **Does your 1st born twin play physical games with you (for example, football, catch, tag)?** **dg phys**  
**1st born: ee15a. 2nd born difference: ee15dif.**
- 1  less than once a month  
2  once or twice a month  
3  once or twice a week  
4  several times a week  
5  almost daily
- Does your 2nd born twin do this more or less? dg physd**
- 1       2       3       4       5  
a lot more      a little more      about equally      a little less      a lot less
- 16) **Does your 1st born twin play board games or card games with you (for example, "snakes and ladders", "happy families", "snap")?** **dg board**  
**1st born: ee16a. 2nd born difference: ee16dif.**
- 1  less than once a month  
2  once or twice a month  
3  once or twice a week  
4  several times a week  
5  almost daily
- Does your 2nd born twin do this more or less? dg boardd**
- 1       2       3       4       5  
a lot more      a little more      about equally      a little less      a lot less
- 17) **Do either of your twins have any of the following, either easily available (they can get them without help, whenever they want to), or put away somewhere (for example, on a high shelf)?**
- |                         | Always available | Usually put away | No/not yet |
|-------------------------|------------------|------------------|------------|
| <b>Raw data coding:</b> | <b>1</b>         | <b>2</b>         | <b>3</b>   |
| <b>Dataset coding:</b>  | <b>2</b>         | <b>1</b>         | <b>0</b>   |
- Play-dough, clay, or plasticine **ee17a dg dough**
  - Tricycle, scooter or kiddie car **ee17b dg tricyc**
  - Outdoor toys (for example, bat & ball, swing, slide) **ee17c dg outdoor**
  - Hanging mobile **ee17d dg mobile**
  - Fine hand-eye coordination toys (for example, fit together toys, threading beads, shapes that fit into holes) **ee17e dg coord**

## DISCIPLINE

SCALE: This shows you what you tell us about your 1st born twin when you circle a number

1	2	3	4	5
1	2	3	4	5
I rarely or never do this	I occasionally do this	I sometimes do this	I often do this	I usually do this

- 18) **Give a smack or slap** **Do you do this more or less with your 2nd born twin?**  
**d18a ddismak** **d18dif ddismakd**  
 Never Sometimes Usually **1** a lot more **2** a little **3** about **4** a little **5** a lot  
**1 2 3 4 5** more equally less less
- 19) **Telling off or shouting** **Do you do this more or less with your 2nd born twin?**  
**d19a ddishou** **d19dif ddishoud**  
 Never Sometimes Usually **1** a lot more **2** a little **3** about **4** a little **5** a lot  
**1 2 3 4 5** more equally less less
- 20) **Explain to child, or reason with child** **Do you do this more or less with your 2nd born twin?**  
**d20a ddiexpl** **d20dif ddiexpld**  
 Never Sometimes Usually **1** a lot more **2** a little **3** about **4** a little **5** a lot  
**1 2 3 4 5** more equally less less
- 21) **Be firm and calm with child** **Do you do this more or less with your 2nd born twin?**  
**d21a ddifirm** **d21dif ddifirmd**  
 Never Sometimes Usually **1** a lot **2** a little **3** about **4** a little **5** a lot  
**1 2 3 4 5** more more equally less less
- 22) **Make a joke out of it** **Do you do this more or less with your 2nd born twin?**  
**d22a ddi joke** **d22dif ddi joked**  
 Never Sometimes Usually **1** a lot **2** a little **3** about **4** a little **5** a lot  
**1 2 3 4 5** more more equally less less
- 23) **Ask someone else to deal with the situation (for example, other parent)** **Do you do this more or less with your 2nd born twin?**  
**d23a ddiasko** **d23dif ddiaskod**  
 Never Sometimes Usually **1** a lot **2** a little **3** about **4** a little **5** a lot  
**1 2 3 4 5** more more equally less less

24) **Now please tell us who you find is:**

6="do not have a partner" recoded to missing in dataset variables

<b>praised more by you</b> <b>d24a ddiprai</b>		1 1st born much more	2 1st born a little more	3 about the same	4 2nd born a little more	5 2nd born much more
<b>praised more by your partner</b> <b>d24dif ddipraip</b>	6 Do not have a partner	1 1st born much more	2 1st born a little more	3 about the same	4 2nd born a little more	5 2nd born much more
<b>blamed more by you</b> <b>d25a ddi blam</b>		1 1st born much more	2 1st born a little more	3 about the same	4 2nd born a little more	5 2nd born much more
<b>blamed more by your partner</b> <b>d25dif ddi blamp</b>	6 Do not have a partner	1 1st born much more	2 1st born a little more	3 about the same	4 2nd born a little more	5 2nd born much more
<b>criticised more by you</b> <b>d26a ddi crit</b>		1 1st born much more	2 1st born a little more	3 about the same	4 2nd born a little more	5 2nd born much more
<b>criticised more by your partner</b> <b>d26dif ddi critp</b>	6 Do not have a partner	1 1st born much more	2 1st born a little more	3 about the same	4 2nd born a little more	5 2nd born much more
<b>punished more by you</b> <b>d27a ddipuni</b>		1 1st born much more	2 1st born a little more	3 about the same	4 2nd born a little more	5 2nd born much more
<b>punished more by your partner</b> <b>d27dif ddipunip</b>	6 Do not have a partner	1 1st born much more	2 1st born a little more	3 about the same	4 2nd born a little more	5 2nd born much more

## Being a Parent of Twins

**SCALE:** This shows you what you tell us about your 1st born twin when you circle a number

1	2	3	4	5
1	2	3	4	5
definitely untrue	somewhat untrue	not really true or untrue	somewhat true	definitely true

- 25) **Sometimes I feel very impatient with him/her** dbpimpa 1st born: p25a. 2nd born difference: p25dif.  
 Untrue                      True                      **Do you feel this way more or less with your 2nd born twin?** dbpimpad  
 1 2 3 4 5                      1 a lot more                      2 a little                      3 about                      4 a little                      5 a lot  
1 2 3 4 5                      more                      equally                      less                      less
- 26) **I usually feel quite happy about my relationship with him/her** dbphapp 1st born: p26a. 2nd born difference: p26dif.  
 Untrue                      True                      **Do you feel this way more or less with your 2nd born twin?** dbphappd  
 1 2 3 4 5                      1 a lot more                      2 a little                      3 about                      4 a little                      5 a lot  
1 2 3 4 5                      more                      equally                      less                      less
- 27) **Sometimes I am amused by him/her** dbpamus 1st born: p27a. 2nd born difference: p27dif.  
 Untrue                      True                      **Do you feel this way more or less with your 2nd born twin?** dbpamusd  
 1 2 3 4 5                      1 a lot more                      2 a little                      3 about                      4 a little                      5 a lot  
1 2 3 4 5                      more                      equally                      less                      less
- 28) **Sometimes I wish s/he would go away for a few minutes** dbpaway 1st born: p28a. 2nd born difference: p28dif.  
 Untrue                      True                      **Do you feel this way more or less with your 2nd born twin?** dbpawayd  
 1 2 3 4 5                      1 a lot more                      2 a little                      3 about                      4 a little                      5 a lot  
1 2 3 4 5                      more                      equally                      less                      less
- 29) **Sometimes s/he makes me angry** dbpangr 1st born: p29a. 2nd born difference: p29dif.  
 Untrue                      True                      **Do you feel this way more or less with your 2nd born twin?** dbpangrd  
 1 2 3 4 5                      1 a lot more                      2 a little                      3 about                      4 a little                      5 a lot  
1 2 3 4 5                      more                      equally                      less                      less
- 30) **I usually feel close to him/her** dbpclos 1st born: p30a. 2nd born difference: p30dif.  
 Untrue                      True                      **Do you feel this way more or less with your 2nd born twin?** dbpclosd  
 1 2 3 4 5                      1 a lot more                      2 a little                      3 about                      4 a little                      5 a lot  
1 2 3 4 5                      more                      equally                      less                      less
- 31) **Sometimes I am frustrated by him/her** dbpfrus 1st born: p31a. 2nd born difference: p31dif.  
 Untrue                      True                      **Do you feel this way more or less with your 2nd born twin?** dbpfrusd  
 1 2 3 4 5                      1 a lot more                      2 a little                      3 about                      4 a little                      5 a lot  
1 2 3 4 5                      more                      equally                      less                      less

## How You Feel

The following questions should be answered by the mother of the twins where possible. If she is not available, please tick this box  and answer the questions yourself, about yourself.

We would like to know how you feel. Please read the following statements and tick the statement that is closest to how you have been feeling in the past seven days (not just how you feel today).

### In the past seven days :

In dataset variables for the 10 following maternal depression items, the value coding 0 to 3 is reversed in some items. However, in all items the direction of coding is from 0=least depression up to 3=most depression.

32) **I have been able to laugh and see the funny side of things** m32 dmmlaugh

- 0 1  as much as I always could  
1 2  not quite so much now  
2 3  definitely not so much now  
3 4  not at all

33) **I have looked forward with enjoyment to things** m33 dmmdenjoy

- 0 1  as much as I ever did  
1 2  rather less than I used to  
2 3  definitely less than I used to  
3 4  hardly at all

34) **I have blamed myself unnecessarily when things went wrong** m34 dmdblame

- 3 1  yes, most of the time  
2 2  yes, some of the time  
1 3  not very often  
0 4  no, never

35) **I have been anxious or worried for no good reason** m35 dmmdanx

- 0 1  no, not at all  
1 2  hardly ever  
2 3  yes, sometimes  
3 4  yes, very often

36) **I have felt scared or panicky for no very good reason** m36 dmmdscare

- 3 1  yes, quite a lot  
2 2  yes, sometimes  
1 3  no, not much  
0 4  no, not at all

37) **Things have been getting on top of me** m37 dmmdontop

- 3 1  yes, most of the time I haven't been able to cope at all  
2 2  yes, sometimes I haven't been coping as well as usual  
1 3  no, most of the time I have coped quite well  
0 4  no, I have been coping as well as ever



38) **I have been so unhappy that I have had difficulty sleeping** m38 dmdunhap

- 3 1  yes, most of the time  
 2 2  yes, sometimes  
 1 3  not very often  
 0 4  no, not at all

39) **I have felt sad or miserable** m39 dm dsad

- 3 1  yes, most of the time  
 2 2  yes, quite often  
 1 3  not very often  
 0 4  no, not at all

40) **I have been so unhappy that I have been crying** m40 dm dcry

- 3 1  yes, most of the time  
 2 2  yes, quite often  
 1 3  only occasionally  
 0 4  no, never

41) **The thought of harming myself has occurred to me** m41 dm dharm

- 3 1  yes, quite often  
 2 2  sometimes  
 1 3  hardly ever  
 0 4  never

## Your Home

Below are some things that happen in most homes. Please read each item carefully and circle the number beside it to tell us what best describes **your** home.

**SCALE: This shows you what you tell us about your 1st born twin when you circle a number**

1	2	3	4	5
1	2	3	4	5
definitely untrue	somewhat untrue	not really true or untrue	somewhat true	definitely true

- |   | untrue |   |   |   | true |
|---|--------|---|---|---|------|
|   | 1      | 2 | 3 | 4 | 5    |
| 42) The twins have a regular bedtime routine (for example, same bed each night, a bath before bed, reading a story, saying prayers) yh42 dyhbed | 1      | 2 | 3 | 4 | 5    |
| 43) You can't hear yourself think in our home yh43 dyhhear  | 1      | 2 | 3 | 4 | 5    |
| 44) It's a real zoo in our home yh44 dyhzoo   | 1      | 2 | 3 | 4 | 5    |
| 45) We are usually able to stay on top of things yh45 dyhontop  | 1      | 2 | 3 | 4 | 5    |
| 46) There is usually a television turned on somewhere in our home yh46 dyhtv  | 1      | 2 | 3 | 4 | 5    |
| 47) The atmosphere in our house is calm yh47 dyhcalm  | 1      | 2 | 3 | 4 | 5    |



**COMPLETE DATA ARE ESSENTIAL, PLEASE MAKE SURE THAT YOU HAVE COMPLETED AS MUCH OF THIS BOOK AS YOU CAN.**

**THANK YOU FOR YOUR TIME AND EFFORT!**

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**YOU DO NOT NEED A STAMP.**