## Coding for variables in the analysis dataset

## Environment and Wellbeing Web Questionnaire, Part D

## MORE ABOUT YOU

Text shown in a red font (variable names, response value codes) provide information about item coding in the 16 year analysis dataset.

In the dataset, all items from this questionnaire are double entered: the dataset contains one row of data per twin, with both twin and co-twin data in each row. All 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 twins). Those variables with names ending in '2' refer to the co-twin. Hence in this document all variable names are shown ending in '1/2' because each variable is present for both twin and co-twin.

Value codes shown in a blue font show the coding used in the raw data, on the web server and in the raw analysis files, where this coding differs from the coding used in the final analysis dataset. Where the coding does not differ, the value codes are shown in red only.

Text shown in this pink/purple font (screen numbers, validation rules) are for information only: these pieces of text were not shown on screen for twins. The other sections of text, in a black font, are exactly as shown on screen.

As this questionnaire was delivered as a web activity, not as a paper booklet, the formatting shown in this document differs from the formatting of the questionnaire on screen. However, the text of the questions and responses is unchanged.

SCREEN 1

INTRODUCTION (text with voice-over)

This activity is a questionnaire about you.
Simply click on the best answer for each question.
There are no "right" or "wrong" answers - just answer according to how you think and feel.

To what extent do the following statements describe you?

|  |  | Very much like me |  |  |  | Not like me at all |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I aim to be the best in the world at what I do. | pcqdgrit011/2 | $\square_{5} 1$ | $\square$ 4 | $\square$ 3 | $\square$ $\square$ 2 | $\square 5$ |
| New ideas and projects sometimes distract me from previous ones. | pcqdgrit021/2 | $\begin{array}{r} \square \\ \square \end{array}$ | $\begin{gathered} \square \\ \hline \end{gathered}$ | $\square 3$ | $\square$ | $\square_{1} 5$ |
| I am ambitious. | pcqdgrit031/2 | $\square 1$ | $\square$ 4 $\square$ | $\square$ 3 | $\square$ $\square_{2}$ $\square$ | $\square 5$ 1 $\square$ |
| Setbacks don't discourage me. | pcqdgrit041/2 | $\square_{5} 1$ | $\square 2$ | $\square 3$ | $\square_{2} 4$ | $\square \square_{1} 5$ |
| I have been obsessed with a certain idea or project for a short time but later lost interest. | pcqdgrit051/2 | $\square_{5} 1$ | $\square{ }_{4}{ }^{\text {a }}$ | $\square 3$ | $\square 4$ | $\square$ 1 |
| I am a hard worker. | pcqdgrit061/2 | $\square{ }_{5}{ }^{\square}$ | $\square_{4}{ }_{4}$ | $\square 3{ }_{3}$ | $\square{ }_{2}{ }^{\square}$ | $\square 5$ |
| I often set a goal but later choose to pursue a different one. | pcqdgrit071/2 | $\square{ }_{5}{ }^{\text {1 }}$ | $\square_{4}{ }_{4}$ | $\square 3$ | $\bigcirc{ }_{2}{ }^{\square}$ | $\square_{1} 5$ |
| I have difficulty maintaining my focus on projects that take more than a few months to complete. | pcqdgrit081/2 | $\square \square_{5} 1$ | $\square_{4} 2$ | $\square 3$ | $\square 4$ | $\square$ 1 |
| I finish whatever I begin. | pcqdgrit091/2 | $\square_{5} 1$ | $\square_{4}{ }_{4}$ | $\square$ 3 | $\square$ $\square_{2}$ $\square$ | $\square 5$ 1 |
| Achieving something of lasting importance is the highest goal in life. | pcqdgrit101/2 | $\square{ }_{5} 1$ | $\square_{4}{ }^{2}$ | $\square 3$ | $\square_{2}{ }^{4}$ | $\square 5$ |
| I think achievement is overrated. | pcqdgrit111/2 | $\square_{5} 1$ | $\square_{4} 2$ | $\square{ }_{3}{ }^{\square}$ | $\square$ $\square_{2}$ $\square$ | $\square_{1} 5$ |
| I am driven to succeed. | pcqdgrit121/2 | $\square 1$ | $\square_{4}{ }_{4}$ | $\square 3$ | $\square{ }_{2}{ }^{4}$ | $\square 5$ |
| I am diligent. | pcqdgrit131/2 | $\square{ }_{5}{ }^{\text {a }}$ | $\square_{4}{ }_{4}$ | $\square$ 3 | $\square$ <br> 2 | $\square$ <br> 1 |

## VALIDATION RULES for SCREEN 2:

- Require 4 items $(1 / 3)$ to be answered before moving on.
- If less than 4 items are answered, present the following pop-up text: "You haven't answered enough of the questions on this page. Please try to complete some more before moving on."

To what extent do the following statements describe you?

|  |  | Very much like me |  |  | Not like me at all |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| In uncertain times, I usually expect the best. | pcqdlotr11/2 | $\square 1$ | $\square_{4}{ }^{2}$ | $\square 3$ 3 | $\square$ $\square_{2}$ | $\square_{1} 5$ |
| If something can go wrong for me, it will. | pcqdlotr21/2 | $\square{ }_{5} 1$ | $\square_{4}{ }^{2}$ | $\square 33$ | $\square$ <br> 2 | $\square_{1} 5$ |
| I'm always optimistic about my future. | pcqdlotr31/2 | $\square_{5} 1$ | $\begin{gathered} \square \\ \square_{4} \end{gathered}$ | $\square 3$ | $\begin{gathered} \square 4 \\ 2 \end{gathered}$ | $\square_{1} 5$ |
| I hardly ever expect things to go my way. | pcqdlotr41/2 | $\square 1$ | $\square$ 4 | $\square 3$ 3 | $\square_{2} 4$ | $\square$ 1 |
| I rarely count on good things happening to me. | pcqdlotr51/2 | $\square 1$ | $\square{ }_{4}{ }^{4}$ | $\square 3$ | $\square{ }^{\square} 4$ | $\square$ 1 |
| Overall, I expect more good things to happen to me than bad. | pcqdlotr61/2 | $\begin{array}{r} \square \\ \square \\ \hline \end{array}$ | $\square_{4}{ }^{2}$ | $\square 3$ | $\square_{2} 4$ | $\square_{1} 5$ |

## VALIDATION RULES for SCREEN 3:

- Require 2 items $(1 / 3)$ to be answered before moving on.
- If less than 2 items are answered, present the following pop-up text: "You haven't answered enough of the questions on this page. Please try to complete some more before moving on."


## SCREEN 4

To what extent do the following statements describe you?

|  |  | Very much like me |  | $\longleftrightarrow$ |  | Not like e at all |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I'm good at doing tests. | pcqdseco011/2 | $\square 1$ | $\square_{4}^{\square} 2$ | $\square 3$ 3 | $\square 4$ 2 | $\square_{1} 5$ |
| When I'm given new work to do, I usually feel confident I can do it. | pcqdseco021/2 | $\square 1$ | $\square{ }_{4}{ }^{4}$ | $\square 3$ 3 | $\square$ <br> 2 | $\square 5$ 1 |
| I'm good at discussing things. | pcqdseco031/2 | $\square_{5} 1$ | $\begin{gathered} \square \\ \square_{4} \end{gathered}$ | $\square 3$ | $\square_{2} 4$ | $\square_{1} 5$ |
| I need lots of help with my work. | pcqdseco041/2 | $\square 1$ | $\square{ }_{4}{ }^{\text {a }}$ | $\square 3$ 3 | $\square 4$ | $\square 5$ 1 |
| I like having difficult work to do. | pcqdseco051/2 | $\square{ }_{5} 1$ | $\square_{4}{ }^{2}$ | $\square 33$ | $\square \square_{2} 4$ | $\square_{1} 5$ |
| When I get stuck with my work I can usually work out what to do next. | pcqdseco061/2 | $\square{ }_{5} 1$ | $\square_{4}{ }_{4}$ | $\square 3$ | $\square \square_{2}$ | $\square_{1} 5$ |
| I'm not very good at solving problems. | pcqdseco071/2 | $\square_{5} 1$ | $\square_{4}{ }_{4}$ | $\square 3$ | $\square_{2} 4$ | $\square_{1} 5$ |
| I know the meaning of lots of words. | pcqdseco081/2 | $\square{ }_{5} 1$ | $\square_{4}^{\square} 2$ | $\square 3$ 3 | $\square$ $\square_{2}$ | $\square_{1} 5$ |
| I find a lot of schoolwork difficult. | pcqdseco091/2 | $\square{ }_{5} 1$ | $\square{ }_{4}{ }^{\text {a }}$ | $\square 3$ | $\bigcirc{ }_{2}$ | $\square_{1} 5$ |
| I'm clever. | pcqdseco101/2 | $\square_{5} 1$ | $\square_{4}{ }^{2}$ | $\square_{3} 3$ | $\square_{2} 4$ | $\square_{1} 5$ |
| I have high self-esteem. | pcqdsees11/2 | $\square{ }_{5} 1$ | $\square_{4}{ }^{2}$ | $\square 3$ 3 | $\square$ <br> 2 | $\square 5$ 1 |

## VALIDATION RULES for SCREEN 4:

- Require 3 items (1/3) to be answered before moving on.
- If less than 3 items are answered, present the following pop-up text: "You haven't answered enough of the questions on this page. Please try to complete some more before moving on."

Below are words that describe personality traits. Please select where you fall on the scale from high to low.


| Dutifulness: (rigid, reliable, dependable) | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | (casual, undependable, <br> unethical) pcqdpers271/2 |
| :--- | :---: | :---: | :---: | :---: | :---: | :--- |
| Achievement: (workaholic, ambitious) | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | (aimless, desultory) pcqdpers281/2 |
| Self-Discipline: (dogged, devoted) | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | (hedonistic, negligent) pcqdpers291/2 |
| Deliberation: (cautious, ruminative, reflective) | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | (hasty, careless, rash) pcqdpers 301/2 |
|  | 1 | 2 | 3 | 4 | 5 |  |
|  | 5 | 4 | 3 | 2 | 1 |  |

This next item is placed right at the bottom of the page away from the other items:
I would prefer not to answer these questions $\square$
Not in dataset. Coded $1=$ ticked $0=$ not ticked in raw data.
VALIDATION RULES for SCREEN 5:

- Require 10 items ( $1 / 3$ ) to be answered before moving on.
- OR require that the final item (prefer not to answer) is ticked.
- If less than 10 items are answered AND 'prefer not to answer' item is not ticked, present the following pop-up text: "You haven't answered enough of the questions on this page. Please try to complete some more before moving on, or select ' prefer not to answer'."


## SCREEN 6

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 teenagers to go through these physical changes at different times, we are interested in learning whether you are experiencing any of these changes.

How tall are you? EITHER select height in centimetres: [drop down list with integer values ranging from 100 cm to 200 cm ]

OR select height in feet and inches:
[drop down list with integer values ranging from 3 feet 0 inches up to 6 feet and 11 inches]
pcqdhtcm1/2: integer number of centimetres
[Feet/inch measurements are immediately converted into centimetres, rounding to the nearest integer, and all responses are stored as integer numbers of centimetres. If both metric and imperial responses are given, the metric response is accepted and the imperial response is ignored.]

How much do you weigh? EITHER select weight in kilograms:

OR select weight in stones and pounds:
[drop down list with integer values ranging from 20 kg to 160 kg ]
[drop down list with integer values ranging from 3 stone 0 pounds up to 24 stone 13 pounds]
pcqdwtkg1/2: integer number of kilograms
[Stone/pound measurements are immediately converted into kilograms, rounding to the nearest integer, and all responses are stored as integer numbers of kilograms. If both metric and imperial responses are given, the metric response is accepted and the imperial response is ignored.]

In questions below (pcqdpub01, $02,03,06,09,10$ ), the 'not sure' response has code value 5 in the raw data but this is recoded to missing in the dataset.

|  |  | Not yet begun | Barely begun | Definitely begun | Completed | Not sure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Would you say that your growth spurt (more growth than usual) has | pcqdpub011/2 | $\square 1$ | $\square 2$ | $\square 3$ | $\square 4$ | $\square$ |
| Would you say that your body hair (underarm \& pubic) growth has | pcqdpub021/2 | $\square 1$ | $\square 2$ | $\square 3$ | $\square 4$ | $\square$ |
| Has your skin begun to change | pcqdpub031/2 | $\square 1$ | $\square 2$ | $\square 3$ | $\square 4$ | $\square$ |


|  | Male | Female |
| :--- | :---: | :---: |
| Please tick the box to show whether you are male or female |  |  |
| Coded 1=male 2=female in raw data. Dropped from dataset |  |  |
| because it has been verified that it matches the main twin | $\square$ | $\square$ |
| sex variable (sex1). |  |  |

This next item is placed right at the bottom of the page away from the other items:
I would prefer not to answer these questions $\square$
Not in dataset. Coded $1=$ ticked $0=$ not ticked in raw data.

## VALIDATION RULES for SCREEN 6:

- Require 3 items (1/2) to be answered before moving on. One of these items MUST be the male/female item.
- OR require that the final item (prefer not to answer) is ticked.
- If less than 3 items are answered AND 'prefer not to answer' item is not ticked, present the following pop-up text: "You haven't answered enough of the questions on this page. Please try to complete some more before moving on, or select ' prefer not to answer'."
- If 'prefer not to answer' is ticked, end this activity without proceeding to screen 7 or 8.


## BRANCHING FROM THIS PAGE:

- If the answer to the male/female question is 'female', proceed to screen 7.
- If the answer to the male/female question is 'male', proceed to screen 8.

|  | Not yet <br> begun | Barely <br> begun | Definitely <br> begun | Completed | Not <br> sure |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Have your breasts begun |  |  |  |  |  |
| to grow? | pcqdpub061/2 | $\square 1$ | $\square 2$ | $\square$ | $\square$ |



This next item is placed right at the bottom of the page away from the other items:
I would prefer not to answer these questions $\square$
Not in dataset. Coded $1=$ ticked $0=$ not ticked in raw data.
[In the raw data, this same variable is used for the girls' tick box here on screen 7 and for the boys' tick box on screen 8, because each twin would only have seen one of these tick boxes]

## VALIDATION RULES for SCREEN 7:

- Require 1 item (1/4) to be answered before moving on.
- OR require that the final item (prefer not to answer) is ticked.
- If less than 1 item is answered AND 'prefer not to answer' item is not ticked, present the following pop-up text: "You haven't answered enough of the questions on this page. Please try to complete some more before moving on, or select ' prefer not to answer'."

END OF ACTIVITY (FOR GIRLS) - DO NOT PROCEED TO PAGE 8.
\(\left.$$
\begin{array}{llllccc} & \begin{array}{c}\text { Not yet } \\
\text { begun }\end{array} & \begin{array}{c}\text { Barely } \\
\text { begun }\end{array} & \begin{array}{c}\text { Definitely } \\
\text { begun }\end{array} & \begin{array}{c}\text { Completed }\end{array} & \begin{array}{c}\text { Not } \\
\text { sure }\end{array}
$$ <br>
\begin{array}{l}Has your voice begun to <br>

change (deepen)?\end{array} \& pcqdpub091/2 \& \square 1 \& \square 2 \& \square \& \square \& \square\end{array}\right]\)| $\square$ |
| :--- |
| Have you begun to grow <br> hair on your face? |
| pcqdpub101/2 |

This next item is placed right at the bottom of the page away from the other items:
I would prefer not to answer these questions
pcqdpub111/2: 1=ticked, $0=$ not ticked
[this same variable is used for the boys' tick box here on screen 8 and for the girls' tick box on screen 7, because each twin would only have seen one of these tick boxes]

## VALIDATION RULES for SCREEN 8:

- Require 1 item ( $1 / 2$ ) to be answered before moving on.
- OR require that the final item (prefer not to answer) is ticked.
- If less than 1 item is answered AND 'prefer not to answer' item is not ticked, present the following pop-up text: "You haven't answered enough of the questions on this page. Please try to complete some more before moving on, or select ' prefer not to answer'."

END OF ACTIVITY (FOR BOYS)

