

## Coding for variables in the analysis dataset

### Environment and Wellbeing Web Questionnaire, Part A

#### 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.

SCREEN 2

Thinking about the past few months, please indicate how much you agree with the following statements.

		Strongly agree	←————→				Strongly disagree
I am fun to be around.	pcqalifs011/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I have a bad time with my friends.	pcqalifs021/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
There are lots of things I can do well.	pcqalifs031/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I learn a lot at school.	pcqalifs041/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
My family is better than most.	pcqalifs051/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
There are many things about school I don't like.	pcqalifs061/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
My friends will help me if I need it.	pcqalifs071/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I like myself.	pcqalifs081/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
There are lots of fun things to do where I live.	pcqalifs091/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
My friends treat me well.	pcqalifs101/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
Most people like me.	pcqalifs111/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I enjoy being at home with my family.	pcqalifs121/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
My family gets along well together.	pcqalifs131/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
My parents treat me fairly.	pcqalifs141/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I like being in school.	pcqalifs151/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I wish I had different friends.	pcqalifs161/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I enjoy school activities.	pcqalifs171/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I wish I lived in a different house.	pcqalifs181/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I have enough friends.	pcqalifs191/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I wish there were different people in my neighbourhood/area.	pcqalifs201/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I like where I live.	pcqalifs211/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1

VALIDATION RULES for SCREEN 2:

- Require 7 items (1/3) to be answered before moving on.
- If less than 7 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 3

	Excellent	Very good	Good	Fair	Poor
In general, how would you say your health is? <b>pcqaheye11/2</b>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

	No	Yes
Do you have glasses or contact lenses to help you see? <b>pcqaheye21/2</b>	<input type="checkbox"/> 1	<input type="checkbox"/> 2

Please answer the following questions even if you do not wear glasses or contact lenses.

	Not difficult at all	←	→	Extremely difficult
<b>Without</b> glasses or contact lenses, how difficult is it for you to see detail in things that are <b>far away</b> (such as a cinema screen, street signs, or the classroom whiteboard)? <b>pcqaheye31/2</b>	<input type="checkbox"/> 1			<input type="checkbox"/> 5
<b>Without</b> glasses or contact lenses, how difficult is it for you to see detail in things that are <b>close up</b> (such as reading ordinary print in a newspaper, magazine, or on a computer screen)? <b>pcqaheye41/2</b>	<input type="checkbox"/> 1			<input type="checkbox"/> 5

VALIDATION RULES for SCREEN 3:

- Require all 4 items 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."

#### SCREEN 4

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.	pcqachaos11/2	<input type="checkbox"/> 1 0	<input type="checkbox"/> 2 1	<input type="checkbox"/> 3 2
You can't hear yourself think in our home.	pcqachaos21/2	<input type="checkbox"/> 1 0	<input type="checkbox"/> 2 1	<input type="checkbox"/> 3 2
It's a real 'zoo' in our home.	pcqachaos31/2	<input type="checkbox"/> 1 0	<input type="checkbox"/> 2 1	<input type="checkbox"/> 3 2
We are usually able to stay on top of things.	pcqachaos41/2	<input type="checkbox"/> 1 0	<input type="checkbox"/> 2 1	<input type="checkbox"/> 3 2
There is usually a television turned on somewhere in our home.	pcqachaos51/2	<input type="checkbox"/> 1 0	<input type="checkbox"/> 2 1	<input type="checkbox"/> 3 2
The atmosphere in our house is calm.	pcqachaos61/2	<input type="checkbox"/> 1 0	<input type="checkbox"/> 2 1	<input type="checkbox"/> 3 2

#### VALIDATION RULES for SCREEN 4:

- 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 5

**What activities do you do on the computer at home?**

		Never	1-2 times a week	3-4 times a week	More than 4 times a week
Entertainment games – “just for fun”	pcqascrtm11/2	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Educational games - games that help you learn reading, math, or other school subjects	pcqascrtm21/2	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Word processing, graphics, photo editing, typing a letter, story or report	pcqascrtm31/2	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Email	pcqascrtm41/2	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Chat rooms, instant messaging	pcqascrtm51/2	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Using web sites on the Internet for fun	pcqascrtm61/2	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Using web sites on the Internet for schoolwork	pcqascrtm71/2	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Reading an online book, magazine, or newspaper	pcqascrtm81/2	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4

VALIDATION RULES for SCREEN 5:

- Require 4 items (1/2) 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.”

SCREEN 6

The sentences below describe how people think about themselves and how they do things in general. For each sentence, please think about how you are in most situations. Select the box that describes you the best. There are no right or wrong answers.

		All of the time	←—————→				None of the time
I think I am doing pretty well.	pcqahopef11/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I can think of many ways to get the things in life that are most important to me.	pcqahopef21/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I am doing just as well as others my age.	pcqahopef31/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
When I have a problem, I can come up with lots of ways to solve it.	pcqahopef41/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
I think the things I have done in the past will help me in the future.	pcqahopef51/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1
Even when others want to quit, I know that I can find ways to solve the problem.	pcqahopef61/2	<input type="checkbox"/> 1 6	<input type="checkbox"/> 2 5	<input type="checkbox"/> 3 4	<input type="checkbox"/> 4 3	<input type="checkbox"/> 5 2	<input type="checkbox"/> 6 1

VALIDATION RULES for SCREEN 6:

- Require 3 items (1/2) 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."

SCREEN 7

To what extent do you agree with the following statements?

		Strongly agree	←————→					Strongly disagree
I have so much in life to be thankful for.	pcqagratt11/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
If I had to list everything I felt grateful for, it would be a very long list.	pcqagratt21/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
When I look at the world, I don't see much to be grateful for.	pcqagratt31/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
I am grateful to a wide variety of people.	pcqagratt41/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
As I get older I find myself more able to appreciate the people, events, and situations that have been part of my life history.	pcqagratt51/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
Long amounts of time can go by before I feel grateful to something or someone.	pcqagratt61/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
I would describe myself as someone who actively seeks as much information as I can in a new situation.	pcqacuritt11/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
When I am participating in an activity, I tend to get so involved that I lose track of time.	pcqacuritt21/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
I frequently find myself looking for new opportunities to grow as a person (e.g., information, people, resources).	pcqacuritt31/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
I am <i>not</i> the type of person who probes deeply into new situations or things.	pcqacuritt41/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
When I am actively interested in something, it takes a great deal to interrupt me.	pcqacuritt51/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
My friends would describe me as someone who is "extremely intense" when in the middle of doing something.	pcqacuritt61/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1
Everywhere I go, I am looking out for new things or experiences.	pcqacuritt71/2	<input type="checkbox"/> 1 7	<input type="checkbox"/> 2 6	<input type="checkbox"/> 3 5	<input type="checkbox"/> 4 4	<input type="checkbox"/> 5 3	<input type="checkbox"/> 6 2	<input type="checkbox"/> 7 1

VALIDATION RULES for SCREEN 7:

- Require 6 items (1/2) to be answered before moving on.
- If less than 6 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 8

For each of the following statements and/or questions, please select the point on the scale that you feel is most appropriate in describing you.

1. In general, I consider myself: **pcqashs11/2**

1	<b>1</b>	2	<b>2</b>	3	<b>3</b>	4	<b>4</b>	5	<b>5</b>	6	<b>6</b>	7	<b>7</b>
Not a very happy person											A very happy person		

2. Compared to most of my peers, I consider myself: **pcqashs21/2**

1	<b>1</b>	2	<b>2</b>	3	<b>3</b>	4	<b>4</b>	5	<b>5</b>	6	<b>6</b>	7	<b>7</b>
Less happy											More happy		

3. Some people are generally very happy. They enjoy life regardless of what is going on, getting the most out of everything. To what extent does this describe you? **pcqashs31/2**

1	<b>1</b>	2	<b>2</b>	3	<b>3</b>	4	<b>4</b>	5	<b>5</b>	6	<b>6</b>	7	<b>7</b>
Not at all											A great deal		

4. Some people are generally not very happy. Although they are not depressed, they never seem as happy as they might be. To what extent does this describe you? **pcqashs41/2**

1	<b>1</b>	2	<b>2</b>	3	<b>3</b>	4	<b>4</b>	5	<b>5</b>	6	<b>6</b>	7	<b>7</b>
Not at all											A great deal		

### VALIDATION RULES for SCREEN 8:

- Require 2 items (1/2) 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."