Appendix 2: Additional questions on the touchscreen questionnaire

### Additional questions on depression & bipolar disorder

<table>
<thead>
<tr>
<th>Qu. No</th>
<th>Question</th>
<th>Responses</th>
<th>Allowable values</th>
<th>Action branches</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>P6</td>
<td>Looking back over your life, have you ever had a time where you were feeling depressed or down for at least seven days in a row?</td>
<td>Select from - YE Yes - NO No - UN Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>If yes go to P6A. Otherwise go to P6C</td>
</tr>
<tr>
<td>P6A</td>
<td>How many days was the longest period where you were feeling depressed or down?</td>
<td>Enter number OR UN Do not know OR DA Prefer not to answer</td>
<td>Minimum value of 7 required'</td>
<td>Go to P6B</td>
</tr>
<tr>
<td>P6B</td>
<td>How many periods have you had where you were feeling depressed or down for at least seven days in a row?</td>
<td>Enter number OR UN Do not know OR DA Prefer not to answer</td>
<td>Minimum value of 1 required</td>
<td>Go to P6E</td>
</tr>
<tr>
<td>P6C</td>
<td>Have you ever had a time when you were uninterested in things or unable to enjoy the things you used to?</td>
<td>Select from - YE Yes - NO No - UN Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>If yes go to P6D. Otherwise go to P7</td>
</tr>
<tr>
<td>P6D</td>
<td>How many days was the longest period when you were uninterested in things or unable to enjoy the things you used to?</td>
<td>Enter number OR UN Do not know OR DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to P6E</td>
</tr>
<tr>
<td>P6E</td>
<td>How many periods have you had when you were uninterested in things or unable to enjoy the things you used to?</td>
<td>Enter number OR UN Do not know OR DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to P7</td>
</tr>
<tr>
<td>P7</td>
<td>Have you ever had a period of time lasting at least two days when you were feeling so good, &quot;high&quot;, excited or &quot;hyper&quot; that other people thought you were not your normal self or you were so &quot;hyper&quot; that you got into trouble?</td>
<td>Select from - YE Yes - NO No - UN Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to P8</td>
</tr>
<tr>
<td>P8</td>
<td>What about a period of time lasting at least two days when you were so irritable that you found yourself shouting at people or starting fights or arguments?</td>
<td>Select from - YE Yes - NO No - UN Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>If yes to P7 and/or P8 go to P8A. If no go to P8B</td>
</tr>
<tr>
<td>P8A</td>
<td>Please try to remember a period when you were in a &quot;high&quot; or &quot;irritable&quot; state and select which of the following apply</td>
<td>Select: - I was more active than usual - I was more talkative than usual - I needed less sleep than usual - I was more creative or had more ideas than usual - All of the above - None of the above</td>
<td>Not null</td>
<td>Go to P8B</td>
</tr>
<tr>
<td>Page</td>
<td>Question</td>
<td>Options</td>
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<tr>
<td>P8B</td>
<td>What is the longest time period that these “high” or “irritable periods have lasted?</td>
<td>Select from - At least two days, but less than a week - Less than a week - A week or more - UN Do not know - DA Prefer not to answer</td>
<td>Not nul</td>
<td>Go to PBC</td>
</tr>
<tr>
<td>P8C</td>
<td>How much of a problem have these tight or ‘irritable’ periods caused you?</td>
<td>Select from - No Problems - Needed treatment or caused problems with work, relationships, finances, the law or other aspects of life. - UN Do not know - DA Prefer not to answer</td>
<td>Not nul</td>
<td>Go to E1</td>
</tr>
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</table>

Questions on self-reported happiness

<table>
<thead>
<tr>
<th>Page</th>
<th>Question</th>
<th>Options</th>
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</thead>
<tbody>
<tr>
<td>P31</td>
<td>In general how happy are you?</td>
<td>Select from - Extremely happy - Very happy - Moderately happy - Moderately unhappy - Very unhappy - UN Do not know - DA Prefer not to answer</td>
<td>Not nul</td>
<td>Go to P31A</td>
</tr>
<tr>
<td>P31A</td>
<td>In general how satisfied are you with the WORK that you do?</td>
<td>Select from - 01 Extremely happy - 02 Very happy - 03 Moderately happy - 04 Moderately unhappy - 05 Very unhappy - 06 Extremely unhappy - 07 I am not employed - UN Do not know - DA Prefer not to answer</td>
<td>Not nul</td>
<td>Go to P31A</td>
</tr>
<tr>
<td>P313</td>
<td>In general how satisfied are you with your HEALTH?</td>
<td>Select from - 01 Extremely happy - 02 Very happy - 03 Moderately happy - 04 Moderately unhappy - 05 Very unhappy - 06 Extremely unhappy - UN Do not know - DA Prefer not to answer</td>
<td>Not nul</td>
<td>Go to P31C</td>
</tr>
<tr>
<td>P31C</td>
<td>In general how satisfied are you with your FAMILY RELATIONSHIPS?</td>
<td>Select from - 01 Extremely happy - 02 Very happy - 03 Moderately happy - 04 Moderately unhappy - 05 Very unhappy - 06 Extremely unhappy - UN Do not know - DA Prefer not to answer</td>
<td>Not nul</td>
<td>Go to P31D</td>
</tr>
<tr>
<td>P31D</td>
<td>In general how satisfied are you with your FRIENDSHIPS?</td>
<td>Select from - 01 Extremely happy - 02 Very happy - 03 Moderately happy - 04 Moderately unhappy - 05 Very unhappy - 06 Extremely unhappy - UN Do not know - DA Prefer not to answer</td>
<td>Not nul</td>
<td>End of section</td>
</tr>
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</table>
### Question on domestic heating

<table>
<thead>
<tr>
<th>Question</th>
<th>Responses</th>
<th>Allowable values</th>
<th>Action branches</th>
</tr>
</thead>
<tbody>
<tr>
<td>How is your home mainly heated? (You can select more than one answer)</td>
<td>Select from:  - 01 Gas Central Heating  - 02 Electric Storage Heaters  - 03 Oil (Kerosene) central heating  - 04 Portable gas or paraffin heaters  - 05 Solid fuel central heating  - 06 Open fire without central heating  - NN None of the above  - UN Do not know  - DA Prefer not to answer</td>
<td>If 06 do not allow 01, 02, 03, 05. If 01, 02, 03, 04, 05 do not allow 06. NN, UN, DA can only occur by themselves.</td>
<td>End of section</td>
</tr>
</tbody>
</table>

### Question on use of private healthcare

<table>
<thead>
<tr>
<th>Qu. No</th>
<th>Question</th>
<th>Responses</th>
<th>Allowable values</th>
<th>Action branches</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-14B</td>
<td>Do you use private healthcare?</td>
<td>- 01 Yes, all of the time  - 02 Yes, most of the time  - 03 Yes, sometimes  - 04 No, never  - UN Do not know  - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to H5</td>
</tr>
</tbody>
</table>

### Questions on intermittent claudication

<table>
<thead>
<tr>
<th>Qu. No</th>
<th>Question</th>
<th>Responses</th>
<th>Allowable values</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SY3</td>
<td>Do you get short of breath walking with people of your own age on level ground?</td>
<td>Select from  - YE Yes  - NO No  - UN Do not know  - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SY4</td>
</tr>
<tr>
<td>SY4</td>
<td>Do you get a pain in either leg on walking?</td>
<td>Select from  - YE Yes  - NO No  - UN Do not know  - DA Prefer not to answer</td>
<td>Not null</td>
<td>If yes go to SY4A, if no go to SY5</td>
</tr>
<tr>
<td>SY4A</td>
<td>Does this pain ever begin when you are standing still or sitting?</td>
<td>Select from  - YE Yes  - NO No  - UN Do not know  - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SY4B</td>
</tr>
<tr>
<td>SY413</td>
<td>Do you get this pain in your calf (calves)?</td>
<td>Select from  - YE Yes  - NO No  - UN Do not know  - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SY4C</td>
</tr>
<tr>
<td>SY4C</td>
<td>Do you get pain when you walk uphill or hurry?</td>
<td>Select from  - YE Yes  - NO No  - UN Do not know  - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SY40</td>
</tr>
<tr>
<td>SY4D</td>
<td>Do you get pain when you walk at an ordinary pace on the level?</td>
<td>Select from  - YE Yes  - NO No  - UN Do not know  - DA Prefer not to answer</td>
<td>Not null</td>
<td>If yes go to SY4E, otherwise go to SY4F</td>
</tr>
<tr>
<td>SY4E</td>
<td>Does the pain ever disappear when you are still walking?</td>
<td>Select from  - YE Yes  - NO No  - UN Do not know  - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SY4F</td>
</tr>
<tr>
<td>Question</td>
<td>Options</td>
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<td>Page Go to</td>
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</tr>
<tr>
<td>SY4F What you do if you get pain when you are walking?</td>
<td>Select from - 01 Stop - 02 Slow down - 03 Continue at same pace - 04 Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SY4G</td>
<td></td>
</tr>
<tr>
<td>SY4G What happened to the pain if you stand still?</td>
<td>Select from - 01 Pain usually continues for more than 10 minutes - 02 Pain usually disappears in less than 10 minutes - 03 Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SY4H</td>
<td></td>
</tr>
<tr>
<td>SY4H Have you ever had surgery on the arteries of your legs (other than for varicose veins)?</td>
<td>Select from - YE Yes - NO No - 04 Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SY4I</td>
<td></td>
</tr>
<tr>
<td>SY4I Have you ever had surgery to remove any of the following?</td>
<td>Select from - 01 Toes - 02 Leg below the knee - 03 Leg above the knee - 04 Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to SYS</td>
<td></td>
</tr>
<tr>
<td>Question on sudden death</td>
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<tr>
<td>Y22 Have any of your mother, father, brothers or sisters died suddenly from a non-accidental cause? (Do not include half-, step- or adopted brothers and sisters)</td>
<td>Select from - YE Yes - NO No - 04 Do not know - DA Prefer not to answer</td>
<td>Not null</td>
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</tr>
<tr>
<td>Additional questions on hearing</td>
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</tr>
<tr>
<td>H7A Do you use a hearing aid most of the time?</td>
<td>Select one from - YE Yes - NO No - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to H7B</td>
<td></td>
</tr>
<tr>
<td>H7B Do you have a cochlear implant?</td>
<td>Select one from - YE Yes - NO No - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to H11</td>
<td></td>
</tr>
<tr>
<td>H11 Do you get or have you had noises (such as ringing or buzzing) in your head or in one or both ears that lasts for more than five minutes at a time?</td>
<td>Select one from - 11 Yes, now most or all of the time - 12 Yes, now a lot of the time - 13 Yes, now some of the time - 14 Yes, but not now, but have in the past - NO No, never - UN Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>If yes go to I-111A; Otherwise go to H12</td>
<td></td>
</tr>
<tr>
<td>H11A How much do these noises worry, annoy or upset you when they are at their worst?</td>
<td>Select one from - 11 Severely - 12 Moderately - 13 Slightly - 04 Not at all - UN Do not lax* - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to H12</td>
<td></td>
</tr>
<tr>
<td>Question</td>
<td>Options</td>
<td>Not null</td>
<td>Go to</td>
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<tr>
<td>H12</td>
<td>Have you ever worked in a noisy place where you had to shout to be heard?</td>
<td>Select one from - 11 Yes, for more than 5 years - 12 Yes, for around 1-5 years - 13 Yes, for less than a year - NO No - UN Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to H13</td>
</tr>
<tr>
<td>H13</td>
<td>Have you ever listened to music for more than 3 hours per week at a volume which you would need to shout to be heard or, if wearing headphones, someone else would need to shout for you to hear them?</td>
<td>Select one from - 11 Yes, for more than 5 years - 12 Yes, for around 1-5 years - 13 Yes, for less than a year - NO No - UN Do not know - DA Prefer not to answer</td>
<td>Not null</td>
<td>Go to H1</td>
</tr>
</tbody>
</table>

Additional questions to assess cognitive function

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
<th>Not null</th>
<th>Go to</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Display: In this next test we will show you a number to remember and then hide it. After a short wait, we will ask you to enter the number in reverse using the number pad on the screen. The numbers will grow longer as the test continues. When ready press Next to begin test! Begin check</td>
<td>Select: - Next - I am unable to try this</td>
<td>- I am unable to try this</td>
</tr>
<tr>
<td>14</td>
<td>Display: 'In this next test you will have a maximum of two minutes to answer as many questions as possible. Don't spend too long on any one question and you can skip any question if you wish. Select next when you are ready to begin! Begin check</td>
<td>Select: - Next - I am unable to try this</td>
<td>- I am unable to try this</td>
</tr>
<tr>
<td>IQ1</td>
<td>Add the following numbers together, 1 2 3 4 5— is the answer?</td>
<td>Select from: - 13 - 14 - 15 - 16 - 17 - Do not know - Prefer not to answer</td>
<td>Not null</td>
</tr>
</tbody>
</table>

Abandon selected go to step 15
<table>
<thead>
<tr>
<th>Step</th>
<th>Question</th>
<th>Options</th>
<th>Answer</th>
<th>Next Step</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>Which number is the largest?</td>
<td>- 642 - 308 - 987 - 714 - 253 - Do not know - Prefer not to answer</td>
<td>Not null</td>
<td>Go to IQ3 unless 2 minutes have elapsed in which case go to step 15 Abandon selected go to step 15</td>
</tr>
<tr>
<td>103</td>
<td>Bud is to flower as child is to?</td>
<td>- Crow - Develop - Improve - Adult - Old - Do not know - Prefer not to answer</td>
<td>Not null</td>
<td>Go to IQ4 unless 2 minutes have elapsed in which case go to step 15 Abandon selected go to step 15</td>
</tr>
<tr>
<td>104</td>
<td>Divide the sixth number to the right of twelve by three. Is the answer?</td>
<td>- 5 - 6 - 7 - 8 - Do not know - Prefer not to answer</td>
<td>Not null</td>
<td>Go to IQ5 unless 2 minutes have elapsed in which case go to step 15 Abandon selected go to step 15</td>
</tr>
<tr>
<td>105</td>
<td>If Truda’s mother’s brother is Tim’s sister’s father, what relation is Truda to Tim?</td>
<td>- Aunt - Sister - Niece - Cousin - No relation - Do not know - Prefer not to answer</td>
<td>Not null</td>
<td>Go to IQ6 unless 2 minutes have elapsed in which case go to step 15 Abandon selected go to step 15</td>
</tr>
<tr>
<td>106</td>
<td>If sixty is more than half of seventy-five, multiply twenty-three by three. If not subtract 15 from eighty-five. Is the answer?</td>
<td>- 68 - 69 - 70 - 71 - 72 - Do not know - Prefer not to answer</td>
<td>Not null</td>
<td>Go to IQ7 unless 2 minutes have elapsed in which case go to step 15 Abandon selected go to step 15</td>
</tr>
<tr>
<td>107</td>
<td>Stop means the same as?</td>
<td>- Pause - Close - Cease - Break - Rest - Do not know - Prefer not to answer</td>
<td>Not null</td>
<td>Go to IQ8 unless 2 minutes have elapsed in which case go to step 15 Abandon selected go to step 15</td>
</tr>
<tr>
<td>Step</td>
<td>Question</td>
<td>Options</td>
<td>Answer</td>
<td>Next Step</td>
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<tr>
<td>108</td>
<td>If David is twenty-one and Owen is nineteen and Daniel is nine years younger than David, what is half their combined age?</td>
<td>25, 26, 27, 28, 29, Do not know, Prefer not to answer</td>
<td>Not null</td>
<td>Go to step 109 unless 2 minutes have elapsed, Abandon if selected, go to step 15</td>
</tr>
<tr>
<td>109</td>
<td>Age is to years as height is to?</td>
<td>Long, Deep, Top, Metres, Tall, Do not know, Prefer not to answer</td>
<td>Not null</td>
<td>Go to step 110 unless 2 minutes have elapsed, Abandon if selected, go to step 15</td>
</tr>
<tr>
<td>1Q10</td>
<td>150...137...125...114...104... What comes next?</td>
<td>96, 95, 94, 93, 92, Do not know, Prefer not to answer</td>
<td>Not null</td>
<td>Go to step 111 unless 2 minutes have elapsed, Abandon if selected, go to step 15</td>
</tr>
<tr>
<td>1Q11</td>
<td>Relaxed means the opposite of?</td>
<td>Calm, Anxious, Cool, Worried, Tense, Do not know, Prefer not to answer</td>
<td>Not null</td>
<td>Go to step 112 unless 2 minutes have elapsed, Abandon if selected, go to step 15</td>
</tr>
<tr>
<td>1Q12</td>
<td>100...99...95...86...70... What comes next?</td>
<td>50, 49, 48, 47, 46, 45, Do not know, Prefer not to answer</td>
<td>Not null</td>
<td>Go to step 113 unless 2 minutes have elapsed, Abandon if selected, go to step 15</td>
</tr>
</tbody>
</table>