UK Biobank touch-screen questionnaire: final version

<table>
<thead>
<tr>
<th>Unique Name</th>
<th>Question Stem</th>
<th>Responses</th>
<th>Validations</th>
<th>Actions</th>
<th>Hints</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRO1</td>
<td>You are now ready to start the touch screen interview.</td>
<td>INFO</td>
<td></td>
<td>Goto INTRO1D</td>
<td>The HELP button will provide you with some additional information to help you answer each question. If you still need help after reading the information provided, do not hesitate to ask a UK Biobank staff member.</td>
</tr>
<tr>
<td></td>
<td>Please be reassured that all of your answers will be treated with absolute confidentiality. The information you give us will have your name and address removed, so that no individual could ever be identified by researchers using the data.</td>
<td></td>
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<tr>
<td></td>
<td>Press the NEXT button on the screen to continue.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>INTRO1D</td>
<td>If you do not wish to answer a question you can select 'Prefer not to answer'.</td>
<td>INFO</td>
<td></td>
<td>Goto INTRO1E</td>
<td>The HELP button will provide you with some additional information to help you answer each question. If you still need help after reading the information provided, do not hesitate to ask a UK Biobank staff member.</td>
</tr>
<tr>
<td></td>
<td>If you want to see previous questions and change your answers, use the BACK button.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>If you have any difficulties with completing this, you can use the HELP button or ask a staff member for assistance.</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Remember, if you cannot find an exact answer, please select the closest response.</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>INTRO1E</td>
<td>The touch screen interview will start by asking you some questions about your home and personal details.</td>
<td>INFO</td>
<td></td>
<td>Goto CONFIRM_ID</td>
<td>The HELP button will provide you with some additional information to help you answer each question. If you still need help after reading the information provided, do not hesitate to ask a UK Biobank staff member.</td>
</tr>
</tbody>
</table>

1
<table>
<thead>
<tr>
<th>Step</th>
<th>Prompt</th>
<th>Options</th>
<th>Default</th>
<th>Exception</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONFIRM_ID</td>
<td>Please confirm your identity. Your name is:</td>
<td>SELECT one of 2 from 1: Yes 0: No</td>
<td>Default D4 except: 0: BADNAME</td>
<td>[NULL]</td>
</tr>
<tr>
<td>BADNAME</td>
<td>Please tell one of the assessment centre staff that the Key has got someone else's name on it.</td>
<td>INFO</td>
<td>Goto <em>ENA</em></td>
<td>[NULL]</td>
</tr>
<tr>
<td>EM_CHECK</td>
<td>Please check carefully. Is your email address</td>
<td>SELECT one of 2 from 1: Yes 0: No</td>
<td>Default D4 except: 0: EM_CHAN</td>
<td>Email addresses are often tricky to enter, so we want to be certain that we haven't made a mistake with yours. Please check the spelling very carefully. If there is a mistake then answer No and it will be corrected during the next stage of your visit.</td>
</tr>
<tr>
<td>EM_GET</td>
<td>We do not have an email address for you. Are you willing/able to help us by giving one?</td>
<td>SELECT one of 2 from 1: Yes 0: No</td>
<td>Default D4 except: 1: EM_CHAN</td>
<td>Giving your email address is quite handy for us!</td>
</tr>
<tr>
<td>EM_CHANGE</td>
<td>A member of staff will record your email address before the end your visit</td>
<td>INFO</td>
<td>Goto D4</td>
<td></td>
</tr>
<tr>
<td>D4</td>
<td>What type of accommodation do you live in?</td>
<td>SELECT one of 7 from 1: A house or bungalow 2: A flat, maisonette or apartment 3: Mobile or temporary structure (i.e. caravan) 4: Sheltered accommodation 5: Care home</td>
<td>Default D5 except: 4: D5A 5: D5A</td>
<td>Please select: A house or bungalow for any whole, detached, semi-detached or terraced (including end-terrace) house or bungalow. A flat, maisonette, or apartment for any purpose-built block of flats or tenement,</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>D5</th>
<th>Do you own or rent the accommodation that you live in?</th>
<th>SELECT one of 8 from</th>
<th>Goto D5A</th>
<th>Please select:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- 1: Own outright (by you or someone in your household)</td>
<td>2: Own with a mortgage</td>
<td></td>
<td>- Own outright if you or someone in your household owns the accommodation that you live in.</td>
</tr>
<tr>
<td></td>
<td>- 3: Rent - from local authority, local council, housing association</td>
<td>4: Rent - from private landlord or letting agency</td>
<td></td>
<td>- Own with mortgage if you or someone in your household has a mortgage on the accommodation that you live in.</td>
</tr>
<tr>
<td></td>
<td>- 5: Pay part rent and part mortgage (shared ownership)</td>
<td>6: Live in accommodation rent free</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- 7: None of the above</td>
<td>-3: Prefer not to answer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D5A</th>
<th>Do you have any of the following in your home? (You can select more than one answer)</th>
<th>TOGGLE of 6 choices</th>
<th>Require ≥1 choices</th>
<th>Goto D5A1</th>
<th>Solid fuel refers to wood or coal. Regular use is when you use this for most days of the week in the winter time.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- 1: A gas hob or gas cooker</td>
<td>-7: is exclusive</td>
<td>-7: is exclusive</td>
<td>Solid fuel refers to wood or coal. Regular use is when you use this for most days of the week in the winter time.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- 2: A gas fire that you use regularly in winter time</td>
<td>-1: is exclusive</td>
<td>-1: is exclusive</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- 3: An open solid fuel fire that you use regularly in winter time</td>
<td>-3: is exclusive</td>
<td>-3: is exclusive</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Question</th>
<th>Details</th>
</tr>
</thead>
</table>
| **D5A1** | How is your home mainly heated? (You can select more than one answer)  
TOGGLE of 9 choices  
1: Gas central heating  
2: Electric storage heaters  
3: Oil (kerosene) central heating  
4: Portable gas or paraffin heaters  
5: Solid fuel central heating  
6: Open fire without central heating  
-7: None of the above  
-1: Do not know  
-3: Prefer not to answer | Require ≥1 choices  
-7: is exclusive  
-1: is exclusive  
-3: is exclusive  
Goto D5B  
Solid fuel refers to wood or coal. Regular use is when you use this for most days of the week in the winter time. |

| **D5B** | How many years have you lived at your current address?  
Enter INTEGER OR  
-10: Less than a year  
-1: Do not know  
-3: Prefer not to answer | Require: ≥1, ≤129  
Expect: undefined  
Units: years  
Goto D7  
If you have lived there for less than one year select Less than a year.  
If you are unsure, please provide an estimate or select Do not know.  
If you have lived at your current address at different times, add up the total number of years you lived there. For instance if you lived at your current address for 3 years, moved overseas for one year and returned to your current address for another 5 years, then you would enter 8 years. |

| **D7** | Including yourself, how many people are living together in your household?  
(Include those who usually live in the house such as students living away)  
Enter INTEGER OR  
-1: Do not know | Require: ≥1, ≤100  
Expect: ≤12  
Goto D7A  
If you live alone, enter 1. Include those who usually live in the house such as students living away |
<table>
<thead>
<tr>
<th>Question</th>
<th>Choices</th>
<th>Units: people</th>
<th>Notes</th>
</tr>
</thead>
</table>
| How are the other people who live with you related to you? (You can select more than one answer) | TOGGLE of 9 choices  
1. Husband, wife or partner  
2. Son and/or daughter (include step-children)  
3. Brother and/or sister  
4. Mother and/or father  
5. Grandparent  
6. Grandchild  
7. Other related  
8. Other unrelated  
-3: Prefer not to answer | Require ≥1 choices  
-3: is exclusive | Goto D8  
Please select all the options that apply. Answer this question considering all the people who you counted in the household in response to the previous question. |
| How many cars or vans are owned, or available for use, by you or members of your household? (Please include company vehicles if available for private use) | SELECT one of 7 from  
1. None  
2. One  
3. Two  
4. Three  
5. Four or more  
-1. Do not know  
-3: Prefer not to answer | | Goto D10  
Do not include motorcycles. |
| What is the average total income before tax received by your HOUSEHOLD?  | SELECT one of 7 from  
1. Less than £18,000  
2. £18,000 to £30,999  
3. £31,000 to £51,999  
4. £52,000 to £100,000  
5. Greater than £100,000  
-3: Prefer not to answer | | Goto D9 |
<table>
<thead>
<tr>
<th>D9</th>
<th>Which of the following describes your current situation? (You can select more than one answer)</th>
<th>TOGGLE of 9 choices</th>
<th>Require ≥1 choices</th>
<th>Goto D12</th>
<th>If more than one situation applies, select all that are appropriate.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1: In paid employment or self-employed</td>
<td>-7: is exclusive</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>2: Retired</td>
<td>-3: is exclusive</td>
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<td></td>
<td></td>
<td>3: Looking after home and/or family</td>
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<td>4: Unable to work because of sickness or disability</td>
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<td>5: Unemployed</td>
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<td></td>
<td></td>
<td>6: Doing unpaid or voluntary work</td>
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<td></td>
<td>7: Full or part-time student</td>
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<td>-7: None of the above</td>
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<td></td>
<td></td>
<td>-3: Prefer not to answer</td>
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<tr>
<td>D9AA</td>
<td>How many years have you worked in your current job? (If you have more than one job please answer this, and the following questions on work, for your MAIN job only)</td>
<td>Enter INTEGER OR</td>
<td>Require: ≥ 1,</td>
<td>Goto D9A</td>
<td>If you have more than one 'current job' then answer this question for your MAIN job only (ie: the job that you spend most of your time doing). If you have been with the same employer, but have changed jobs whilst you have worked for them, then only give the number of years that you have been in your current job (not the number of years that you have been employed by the same company). For instance, if you have worked as mail-room sorter but then been promoted to manager of the mail-room, please give the number of years you have worked as the mail-room manager only.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-10: Less than a year OR</td>
<td>≤ 119</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>-1: Do not know OR</td>
<td>Expect: ≤ 113</td>
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<tr>
<td></td>
<td></td>
<td>-3: Prefer not to answer OR</td>
<td>Units: years</td>
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</tbody>
</table>
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<table>
<thead>
<tr>
<th>D9A</th>
<th>In a typical WEEK, how many hours do you spend at work? (Do not include hours travelling to and from work)</th>
<th>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</th>
<th>Require: ≤ 160 Expect: ≥ 1, ≤ 74 Units: hours</th>
<th>If you have more than one 'current job' then answer this question for your MAIN job only.</th>
</tr>
</thead>
<tbody>
<tr>
<td>D9G</td>
<td>How many times a WEEK do you travel from home to your main work? (count outward journeys only; put 0 if you always work from home)</td>
<td>Enter INTEGER OR -10 : Less than once a week OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 999 Expect: ≤ 99 Units: times</td>
<td>If the number of times varies each week, take an average over the last 4 weeks. If you only work from home please enter 0</td>
</tr>
<tr>
<td>D9E</td>
<td>What types of transport do you use to get to and from work? (You can select more than one answer)</td>
<td>TOGGLE of 6 choices 1 : Car/motor vehicle 2 : Walk 3 : Public transport 4 : Cycle -7 : None of the above -3 : Prefer not to answer</td>
<td>Require ≥1 choices -7 : is exclusive -3 : is exclusive</td>
<td>If you have more than one 'current job' then answer this question for your MAIN job only. If you use more than one form of transport then select all that apply</td>
</tr>
<tr>
<td>D9F</td>
<td>About how many miles is it between your home and your work?</td>
<td>Enter INTEGER OR -10 : Less than one mile OR -1 : Do not know OR</td>
<td>Require: ≥ 0, ≤ 9999 Expect: ≤ 70 Units: miles</td>
<td>If you have more than one 'current job' then answer this question for your MAIN job only. If you are unsure, please provide an estimate or select Do not know. If you only work from home please enter 0</td>
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<td></td>
</tr>
</tbody>
</table>
|**UK Biobank touch-screen questionnaire: final version**|**D9B** | Does your work involve walking or standing for most of the time? | SELECT one of 6 from  
1 : Never/rarely  
2 : Sometimes  
3 : Usually  
4 : Always  
-1 : Do not know  
-3 : Prefer not to answer | Goto D9C | If you have more than one 'current job' then answer this question your MAIN job only. |
|**D9C** | Does your work involve heavy manual or physical work? | SELECT one of 6 from  
1 : Never/rarely  
2 : Sometimes  
3 : Usually  
4 : Always  
-1 : Do not know  
-3 : Prefer not to answer | Goto D9D | If you have more than one 'current job' then answer this question for your MAIN job only. Physical work includes work that involves handling of heavy objects and use of heavy tools. |
|**D9D** | Does your work involve shift work? | SELECT one of 6 from  
1 : Never/rarely  
2 : Sometimes  
3 : Usually  
4 : Always  
-1 : Do not know  
-3 : Prefer not to answer | Default D9DA except:  
1 : D12 | If you have more than one 'current job' then answer this question for your MAIN job only. Shift work is a work schedule that falls outside of the normal daytime working hours of 9am-5pm. This may involve working afternoons, evenings or nights or rotating through these kinds of shifts. |
|**D9DA** | Does your work involve night shifts? | SELECT one of 6 from  
1 : Never/rarely  
2 : Sometimes  
3 : Usually  
4 : Always  
-1 : Do not know | Goto D12 | If you have more than one 'current job' then answer this question for your MAIN job only. Night shifts are a work schedule that involves working through the normal sleeping hours, for instance working through the hours from 12am to 6am. |
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<p>| | | | |</p>
<table>
<thead>
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</thead>
<tbody>
<tr>
<td><strong>D12</strong></td>
<td><em>Which of the following qualifications do you have?</em> <em>(You can select more than one)</em></td>
<td>TOGGLE of 8 choices</td>
<td>Require ≥1 choices</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 : College or University degree</td>
<td>-7 : is exclusive</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 : A levels/AS levels or equivalent</td>
<td>-3 : is exclusive</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 : O levels/GCSEs or equivalent</td>
<td>Goto D11 A levels/AS levels and equivalent includes the Higher School Certificate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 : CSEs or equivalent</td>
<td>O levels/GCSEs and equivalent includes the School Certificate.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 : NVQ or HND or HNC or equivalent</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 : Other professional qualifications eg: nursing, teaching</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-7 : None of the above</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td></td>
</tr>
<tr>
<td><strong>D11</strong></td>
<td><em>At what age did you complete your continuous full time education?</em></td>
<td>Enter INTEGER OR</td>
<td>Require: ≥ 5, ≤ 129 Expect: ≤ 40 Units: years</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-2 : Never went to school OR</td>
<td>Goto INTRO2 Please give the age that you completed 'continuous' full time education. For example, if you stopped your studies when you were 17 years old with the intention that you had completed your studies but then returned to full time studies when you were 24, enter 17. However if you only temporarily stopped your studies at 17 with the intention that you would return to studies (for instance a gap year) and then completed your full time education at 21, enter 21.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1 : Do not know OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td></td>
</tr>
<tr>
<td><strong>INTRO2</strong></td>
<td><em>Next are some questions about your day to day activities.</em></td>
<td>INFO</td>
<td>Goto WP1 If you are unsure, please provide an estimate or select Do not know. Answer these questions thinking about</td>
</tr>
</tbody>
</table>
We know it may be difficult to answer some of these questions exactly, but an approximate answer is better than none.

The first few questions ask about the time you have spent being physically active in the last 4 weeks. To answer these questions, think about all the activities that you do at work, as part of your house work, to get from place to place and in your leisure time.

Please touch 'next' to continue.

<table>
<thead>
<tr>
<th>WP1</th>
<th>In a typical WEEK, on how many days did you walk for at least 10 minutes at a time? (Include walking that you do at work, travelling to and from work, and for sport or leisure)</th>
<th>Enter INTEGER OR -1 : Do not know OR -2 : Unable to walk OR -3 : Prefer not to answer</th>
<th>Require: ≥ 0, ≤ 7 Expect: undefined Units: days</th>
<th>Goto WP1A</th>
<th>Count the number of days in a week that you walk for at least 10 minutes continuously at a time.</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP1A</td>
<td>How many minutes did you usually spend walking on a typical DAY?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 1440 Expect: ≥ 10, ≤ 300 Units: minutes</td>
<td>Goto WP2</td>
<td>Count the number of minutes that you usually spend walking in one day. If the time you usually spend walking on each day of the week varies a lot, give an average of the time you spend walking. For instance if on one day of the week you usually walk for 4 hours but on the other day you walk 2 hours then give the average - that is 3 hours.</td>
</tr>
<tr>
<td>WP2</td>
<td>In a typical WEEK, on how many days did you do 10 minutes or more of moderate physical activities like carrying light loads, cycling at normal pace? (Do not include walking)</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 7 Expect: undefined Units: days</td>
<td>Goto WP2A</td>
<td>Count the number of days in a week that you do moderate physical activities for at least 10 minutes continuously at a time. Remember to include activities that you do for work, leisure, travel and</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Question</th>
<th>Response Options</th>
<th>Constraints</th>
<th>Goto</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP2A How many minutes did you usually spend doing moderate activities on a typical DAY?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: $\geq 0$, $\leq 1440$ Expect: $\geq 10$, $\leq 300$ Units: minutes</td>
<td>Goto WP3</td>
<td>If the time you usually spend doing moderate physical activity on each day of the week varies a lot, give an average of the time you spend doing moderate physical activity.</td>
</tr>
<tr>
<td>WP3 In a typical WEEK, how many days did you do 10 minutes or more of vigorous physical activity?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: $\geq 0$, $\leq 7$ Expect: undefined Units: days</td>
<td>Goto WP3A</td>
<td>Count the number of days in a week that you do vigorous physical activities for at least 10 minutes continuously at a time. Remember to include activities that you do for work, leisure, travel and around the house.</td>
</tr>
<tr>
<td>WP3A How many minutes did you usually spend doing vigorous activities on a typical DAY?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: $\geq 0$, $\leq 1440$ Expect: $\geq 10$, $\leq 300$</td>
<td>Goto WP4</td>
<td>If the time you usually spend doing vigorous physical activity on each day of the week varies a lot, give an average of the time you spend doing vigorous physical activity.</td>
</tr>
<tr>
<td>WP4 How would you describe your usual walking pace?</td>
<td>SELECT one of 5 from 1 : Slow pace 2 : Steady average pace 3 : Brisk pace 7 : None of the above -3 : Prefer not to answer</td>
<td></td>
<td>Goto INTROWP4</td>
<td>Slow pace is defined as less than 3 miles per hour. Steady average pace is defined as between 3-4 miles per hour. Fast pace is defined as more than 4 miles per hour.</td>
</tr>
<tr>
<td>INTROWP4 The next few questions ask you about the time you spend being active at home and in your leisure time only. Please touch NEXT to continue.</td>
<td>INFO</td>
<td>Goto WP4A</td>
<td></td>
<td>Remember only to think about activities you do at home and in your leisure time.</td>
</tr>
<tr>
<td>WP4A At home, during the last 4 weeks, about how many times a DAY do you climb a flight of stairs? (approx 10 steps)</td>
<td>SELECT one of 8 from 0 : None 1 : 1-5 times a day</td>
<td></td>
<td>Goto WP4AA</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>WP4AA</th>
<th>In the last 4 weeks, which forms of transport have you used most often to get about? (Not including any journeys to and from work; you can select more than one answer)</th>
<th>TOGGLE of 6 choices 1: Car/motor vehicle 2: Walk 3: Public transport 4: Cycle -7: None of the above -3: Prefer not to answer</th>
<th>Require ≥1 choices -7: is exclusive -3: is exclusive</th>
<th>Goto WP4B1</th>
<th>Remember not to include journeys to and from work.</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP4B1</td>
<td>In the last 4 weeks did you spend any time doing the following? (You can select more than one answer)</td>
<td>TOGGLE of 7 choices 1: Walking for pleasure (not as a means of transport) 2: Other exercises (eg: swimming, cycling, keep fit, bowling) 3: Strenuous sports 4: Light DIY (eg: pruning, watering the lawn) 5: Heavy DIY (eg: weeding, lawn mowing, carpentry, digging) -7: None of the above -3: Prefer not to answer</td>
<td>Require ≥1 choices -7: is exclusive -3: is exclusive</td>
<td>Goto WP4C</td>
<td>Strenuous sports include sports that make you sweat or breathe hard. Heavy DIY includes chopping wood, home or car maintenance, lifting heavy objects or using heavy tools.</td>
</tr>
<tr>
<td>WP4C1</td>
<td>How many times in the last 4 weeks did you go walking for pleasure?</td>
<td>SELECT one of 8 from 1: Once in the last 4 weeks</td>
<td></td>
<td>Goto WP4E1</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
</tbody>
</table>
### WP4E1
**Each time you went walking for pleasure, about how long did you spend doing it?**

**SELECT one of 9 from**
- 1 : Less than 15 minutes
- 2 : Between 15 and 30 minutes
- 3 : Between 30 minutes and 1 hour
- 4 : Between 1 hour and 1½ hours
- 5 : Between 1½ hours and 2 hours
- 6 : Between 2 and 3 hours
- 7 : Over 3 hours
- -1 : Do not know
- -3 : Prefer not to answer

Goto WP11

If you are unsure, please provide an estimate or select Do not know.

### WP4C2
**How many times in the last 4 weeks did you do other exercises such as swimming, cycling, keep fit?**

**SELECT one of 8 from**
- 1 : Once in the last 4 weeks
- 2 : 2-3 times in the last 4 weeks
- 3 : Once a week
- 4 : 2-3 times a week
- 5 : 4-5 times a week
- -1 : Do not know
- -3 : Prefer not to answer

Goto WP4E2

If you are unsure, please provide an estimate or select Do not know.
<table>
<thead>
<tr>
<th>WP</th>
<th>Question</th>
<th>Options</th>
<th>Goto</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP4E2</td>
<td>Each time you did other exercises such as swimming, cycling, keep fit, about how long did you spend doing them?</td>
<td>SELECT one of 9 from 1: Less than 15 minutes, 2: Between 15 and 30 minutes, 3: Between 30 minutes and 1 hour, 4: Between 1 hour and 1½ hours, 5: Between 1½ hours and 2 hours, 6: Between 2 and 3 hours, 7: Over 3 hours, -1: Do not know, -3: Prefer not to answer</td>
<td>WP11</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>WP4C3</td>
<td>How many times in the last 4 weeks did you do strenuous sports?</td>
<td>SELECT one of 8 from 1: Once in the last 4 weeks, 2: 2-3 times in the last 4 weeks, 3: Once a week, 4: 2-3 times a week, 5: 4-5 times a week, 6: Every day, -1: Do not know, -3: Prefer not to answer</td>
<td>WP4E3</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>WP4E3</td>
<td>Each time you did strenuous sports, about how long did you spend doing it?</td>
<td>SELECT one of 9 from 1: Less than 15 minutes, 2: Between 15 and 30 minutes, 3: Between 30 minutes and 1 hour, 4: Between 1 hour and 1½ hours, 5: Between 1½ hours and 2 hours, 6: Between 2 and 3 hours, 7: Over 3 hours, -1: Do not know, -3: Prefer not to answer</td>
<td>WP11</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>WP4C4</td>
<td>How many times in the last 4 weeks did you do light DIY?</td>
<td>SELECT one of 8 from</td>
<td>Goto WP4E4</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
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<td></td>
<td></td>
<td>1 : Once in the last 4 weeks</td>
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<td>2 : 2-3 times in the last 4 weeks</td>
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<td>3 : Once a week</td>
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<td>4 : 2-3 times a week</td>
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<td>5 : 4-5 times a week</td>
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<td></td>
<td>6 : Every day</td>
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<td></td>
<td>-1 : Do not know</td>
<td></td>
<td></td>
</tr>
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<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>WP4E4</th>
<th>Each time you did light DIY, about how long did you spend doing it?</th>
<th>SELECT one of 9 from</th>
<th>Goto WP11</th>
<th>If you are unsure, please provide an estimate or select Do not know.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 : Less than 15 minutes</td>
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<td></td>
<td></td>
<td>2 : Between 15 and 30 minutes</td>
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<td>3 : Between 30 minutes and 1 hour</td>
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<td>4 : Between 1 hour and 1½ hours</td>
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<td>5 : Between 1½ hours and 2 hours</td>
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<td>6 : Between 2 and 3 hours</td>
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<td>7 : Over 3 hours</td>
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<td>-1 : Do not know</td>
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<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td></td>
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</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>WP4C5</th>
<th>How many times in the last 4 weeks did you do heavy DIY?</th>
<th>SELECT one of 8 from</th>
<th>Goto WP4E5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SELECT one of 8 from</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 : Once in the last 4 weeks</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>2 : 2-3 times in the last 4 weeks</td>
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<tr>
<td></td>
<td>3 : Once a week</td>
<td></td>
<td></td>
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<td>4 : 2-3 times a week</td>
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<td></td>
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<td></td>
<td>5 : 4-5 times a week</td>
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<tr>
<td></td>
<td>6 : Every day</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-1 : Do not know</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-3 : Prefer not to answer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If you are unsure, please provide an estimate or select Do not know.

<table>
<thead>
<tr>
<th>WP4E5</th>
<th>Each time you did heavy DIY, about how long did you spend doing it?</th>
<th>SELECT one of 9 from</th>
<th>Goto WP11</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SELECT one of 9 from</td>
<td></td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>1 : Less than 15 minutes</td>
<td></td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>2 : Between 15 and 30 minutes</td>
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<td>3 : Between 30 minutes and 1 hour</td>
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</tr>
<tr>
<td></td>
<td>4 : Between 1 hour and 1½ hours</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>5 : Between 1½ hours and 2 hours</td>
<td></td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>6 : Between 2 and 3 hours</td>
<td></td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>7 : Over 3 hours</td>
<td></td>
<td>-----------</td>
</tr>
</tbody>
</table>

If you are unsure, please provide an estimate or select Do not know.
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| WP11 | How often do you visit friends or family or have them visit you? | SELECT one of 9 from  
1 : Almost daily  
2 : 2-4 times a week  
3 : About once a week  
4 : About once a month  
5 : Once every few months  
6 : Never or almost never  
7 : No friends/family outside household  
-1 : Do not know  
-3 : Prefer not to answer | Goto WP12 | If this varies, please give an average of how often you visit or have had visits in the last year. Include meeting with friends or family in environments outside of the home such as in the park, at a sports field, at a restaurant or pub. |
| WP12 | Which of the following do you attend once a week or more often? (You can select more than one) | TOGGLE of 7 choices  
1 : Sports club or gym  
2 : Pub or social club  
3 : Religious group  
4 : Adult education class  
5 : Other group activity  
7 : None of the above  
-7 : None of the above  
-3 : Prefer not to answer | Require ≥1 choices  
-7 : is exclusive  
-3 : is exclusive | Goto WP12A | If this varies, please think about activities in the last year. |
| WP12A | In a typical DAY in summer, how many hours do you spend outdoors? | Enter INTEGER  
OR  
-10 : Less than an hour a day  
-1 : Do not know  
-3 : Prefer not to answer | Require: ≥ 0, ≤ 24  
Expect: ≤ 10  
Units: hours | Goto WP12B | If the time you spend outdoors in summer varies a lot, give the average time per day. For example if you spend 1 hour a day on each weekday and 4 hours a day on the weekend, the total hours in a week is 13 \((5 + 8)\), so you spend approximately 2 hours a day. |
| WP12B | In a typical DAY in winter, how many hours do you spend outdoors? | Enter INTEGER | Require: ≥ 0, ≤  | Goto WP5 | If the time you spend outdoors in winter |
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<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
<th>Units</th>
<th>Expectation</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>hours do you spend outdoors?</td>
<td>OR&lt;br&gt;-10 : Less than an hour a day&lt;br&gt;-1 : Do not know&lt;br&gt;-3 : Prefer not to answer</td>
<td>24</td>
<td>≤ 10</td>
<td>Varies a lot, give the average time per day. For example if you spend 1 hour a day on each weekday and 4 hours a day on the weekend, the total hours in a week is 13 (5 + 8), so you spend approximately 2 hours a day.</td>
</tr>
<tr>
<td>WP5 In a typical DAY, how many hours do you spend watching TV?</td>
<td>Enter INTEGER&lt;br&gt;-10 : Less than an hour a day&lt;br&gt;-1 : Do not know&lt;br&gt;-3 : Prefer not to answer</td>
<td>≥ 0, ≤ 24</td>
<td>≤ 8</td>
<td>If the time you spend watching TV varies a lot, give the average time for a 24 hour day in the last 4 weeks.</td>
</tr>
<tr>
<td>WP5A In a typical DAY, how many hours do you spend using the computer?</td>
<td>Enter INTEGER&lt;br&gt;-10 : Less than an hour a day&lt;br&gt;-1 : Do not know&lt;br&gt;-3 : Prefer not to answer</td>
<td>≥ 0, ≤ 24</td>
<td>≤ 6</td>
<td>If the time you spend on the computer varies a lot, give the average time for a 24 hour day in the last 4 weeks. Remember not to include time spent on a computer at work.</td>
</tr>
<tr>
<td>WP7 In a typical DAY, how many hours do you spend driving?</td>
<td>Enter INTEGER&lt;br&gt;-10 : Less than an hour a day&lt;br&gt;-1 : Do not know&lt;br&gt;-3 : Prefer not to answer</td>
<td>≥ 0, ≤ 24</td>
<td>≤ 6</td>
<td>If the time you spend driving varies a lot, give the average time for a 24 hour day in the last 4 weeks. Include driving a car, bus, motorcycle, boat, truck etc. Include all the driving that you do as part of work, getting to work or outside of work. If you do not drive please enter 0.</td>
</tr>
<tr>
<td>WP8 How often do you drive faster than the speed limit on the motorway?</td>
<td>SELECT one of 7 from&lt;br&gt;1 : Never/rarely&lt;br&gt;2 : Sometimes&lt;br&gt;3 : Often&lt;br&gt;4 : Most of the time</td>
<td></td>
<td></td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>MB1</th>
<th>SELECT one of 7 from</th>
<th>Default MB2 except:</th>
<th>Do not include time spent text messaging. If you are unsure, please provide an estimate or select Do not know.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For approximately how many years have you been using a mobile phone at least once per week to make or receive calls?</td>
<td>0: Never used mobile phone at least once per week 1: One year or less 2: Two to four years 3: Five to eight years 4: More than eight years -1: Do not know -3: Prefer not to answer</td>
<td>0: SL1 -3: SL1</td>
<td>0: SL1 -3: SL1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MB2</th>
<th>SELECT one of 8 from</th>
<th>Goto MB2A</th>
<th>If you are unsure, please provide an estimate or select Do not know.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Over the last 3 months, on average how much time per week did you spend making or receiving calls on a mobile phone?</td>
<td>0: Less than 5mins 1: 5-29 mins 2: 30-59 mins 3: 1-3 hours 4: 4-6 hours 5: More than 6 hours -1: Do not know -3: Prefer not to answer</td>
<td>Goto MB2A</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MB2A</th>
<th>SELECT one of 7 from</th>
<th>Goto MB3</th>
<th>If you are unsure, please provide an estimate or select Do not know.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Over the last 3 months, how often have you used a hands-free device/speakerphone when making or receiving calls on your mobile?</td>
<td>0: Never or almost never 1: Less than half the time 2: About half the time 3: More than half the time</td>
<td>Goto MB3</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>MB3</td>
<td>Is there any difference between your mobile phone use now compared to two years ago?</td>
<td>SELECT one of 6 from 0 : No 1 : Yes, use is now less frequent 2 : Yes, use is now more frequent 3 : I didn't use a mobile phone two years ago -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto MB3A</td>
</tr>
<tr>
<td>------</td>
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<td>---------------------------------------------------------------</td>
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</tr>
<tr>
<td>MB3A</td>
<td>On what side of the head do you usually use a mobile phone?</td>
<td>SELECT one of 5 from 1 : Left 2 : Right 3 : Equally left and right -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto SL1</td>
</tr>
<tr>
<td>SL1</td>
<td>About how many hours sleep do you get in every 24 hours? (please include naps)</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 1, ≤ 23 Expect: ≥ 3, ≤ 12 Units: hours</td>
</tr>
<tr>
<td>SL1AA</td>
<td>On an average day, how easy do you find getting up in the morning?</td>
<td>SELECT one of 6 from 1 : Not at all easy 2 : Not very easy 3 : Fairly easy 4 : Very easy</td>
<td>Goto SL1AB</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>SL1AB</th>
<th>Do you consider yourself to be?</th>
<th>SELECT one of 6 from 1: Definitely a 'morning' person 2: More a 'morning' than 'evening' person 3: More an 'evening' than a 'morning' person 4: Definitely an 'evening' person -1: Do not know -3: Prefer not to answer</th>
<th>Goto SL1A</th>
<th>If this varies a lot, answer this question in relation to the last 4 weeks.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL1A</td>
<td>Do you have a nap during the day?</td>
<td>SELECT one of 4 from 1: Never/rarely 2: Sometimes 3: Usually -3: Prefer not to answer</td>
<td>Goto SL2</td>
<td>If this varies a lot, answer this question in relation to the last 4 weeks.</td>
</tr>
<tr>
<td>SL2</td>
<td>Do you have trouble falling asleep at night or do you wake up in the middle of the night?</td>
<td>SELECT one of 4 from 1: Never/rarely 2: Sometimes 3: Usually -3: Prefer not to answer</td>
<td>Goto SL3</td>
<td>If this varies a lot, answer this question in relation to the last 4 weeks.</td>
</tr>
<tr>
<td>SL3</td>
<td>Does your partner or a close relative or friend complain about your snoring?</td>
<td>SELECT one of 4 from 1: Yes 2: No -1: Do not know -3: Prefer not to answer</td>
<td>Goto SL4</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>SL4</td>
<td>How likely are you to doze off or fall asleep during the daytime when you don't mean to? (e.g. when working, reading or driving)</td>
<td>SELECT one of 5 from 0 : Never/rarely 1 : Sometimes 2 : Often -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto INTRO3</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
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<td>-------------------------------------------------------------------</td>
</tr>
<tr>
<td>INTRO3</td>
<td>Now we would like to ask some questions about smoking. Please touch 'next' to continue</td>
<td>INFO</td>
<td>Goto S1</td>
<td></td>
</tr>
<tr>
<td>S1</td>
<td>Do you smoke tobacco now?</td>
<td>SELECT one of 4 from 1 : Yes, on most or all days 2 : Only occasionally 0 : No -3 : Prefer not to answer</td>
<td>Default S2 except: 1 : S3</td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td>In the past, how often have you smoked tobacco?</td>
<td>SELECT one of 5 from 1 : Smoked on most or all days 2 : Smoked occasionally 3 : Just tried once or twice 4 : I have never smoked -3 : Prefer not to answer</td>
<td>Default S2A except: 1 : S6 4 : S11 -3 : S11</td>
<td></td>
</tr>
<tr>
<td>S2A</td>
<td>In your lifetime, have you smoked a total of at least 100 times?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto S11</td>
<td></td>
</tr>
<tr>
<td>S3</td>
<td>How old were you when you first started smoking on most days?</td>
<td>Enter INTEGER OR -1 : Do not know</td>
<td>Require: ≥ 5, ≤ 129 Expect: ≥ 12</td>
<td>Goto S4</td>
</tr>
</tbody>
</table>
### S4
What type of tobacco do you mainly smoke?
- SELECT one of 5 from
  - 1: Manufactured cigarettes
  - 2: Hand-rolled cigarettes
  - 3: Cigars or pipes
  - 7: None of the above
  - 3: Prefer not to answer

Units: years
Default S5 except:
- 1: S4A
- 2: S4A
- 3: S4AA

If you smoke cigarettes and cigars and pipes, please select the type of cigarette you smoke. If you smoke both hand-rolled and manufactured cigarettes select the one that you smoke more of.

### S4AA
Did you previously smoke cigarettes on most or all days?
- SELECT one of 3 from
  - 1: Yes
  - 0: No
  - 3: Prefer not to answer

Default S5 except:
- 1: S4AB

### S4AB
About how many cigarettes did you smoke on average each day?
Enter INTEGER
OR
- 10: Less than one a day
OR
- 1: Do not know

Require: \( \geq 1, \leq 150 \)
Expect: \( \leq 100 \)
Goto S4AC

### S4AC
How old were you when you last smoked cigarettes on most days?
Enter INTEGER
OR
- 1: Do not know
OR
- 3: Prefer not to answer

Require: \( \geq 5 \)
Expect: \( \geq 12 \)
Goto S5

### S4A
About how many cigarettes do you smoke on average each day?
Enter INTEGER
OR
- 10: Less than one a day
OR
- 1: Do not know
OR
- 3: Prefer not to answer

Require: \( \geq 1, \leq 150 \)
Expect: \( \leq 100 \)
Units: cigarettes
Goto S4B

Count the total number of cigarettes (including both hand-rolled and manufactured cigarettes if both are smoked)
For hand-rolled cigarettes:
- One ounce of tobacco makes about 30 cigarettes
- One gram of tobacco makes about 1 cigarette
| S4B       | How soon after waking do you smoke your first cigarette of the day? | SELECT one of 7 from  
1 : Less than 5 minutes  
2 : Between 5-15 minutes  
3 : Between 30 minutes - 1 hour  
4 : Between 1 and 2 hours  
5 : Longer than 2 hours  
-1 : Do not know  
-3 : Prefer not to answer | Goto S4C |
|-----------|------------------------------------------------------------------|----------|------------|
| S4C       | How easy or difficult would you find it to go without smoking for a whole day? | SELECT one of 5 from  
1 : Very easy  
2 : Fairly easy  
3 : Fairly difficult  
4 : Very difficult  
-3 : Prefer not to answer | Goto S5 |
| S5        | Have you tried to give up smoking? | SELECT one of 4 from  
1 : Yes, tried but was not able to stop or stopped for less than 6 months  
2 : Yes, tried and stopped for at least 6 months  
0 : No  
-3 : Prefer not to answer | Goto S5AA |
| S5AA      | Do you want to stop smoking? | SELECT one of 5 from  
1 : Yes, definitely  
2 : Yes, probably  
3 : No, probably not  
4 : No, definitely not  
-3 : Prefer not to answer | Goto S5A |
<table>
<thead>
<tr>
<th>S5A</th>
<th>Compared to 10 years ago do you smoke...</th>
<th>SELECT one of 4 from</th>
<th>Default DT1 except:</th>
<th>S5B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1: More nowadays?</td>
<td>3: S5B</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: About the same?</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Less nowadays?</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3: Prefer not to answer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S5B</th>
<th>Why did you reduce your smoking? (You can select more than one answer)</th>
<th>TOGGLE of 7 choices</th>
<th>Require ≥1 choices</th>
<th>Goto DT1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1: Illness or ill health</td>
<td>-7: is exclusive</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: Doctor's advice</td>
<td>-1: is exclusive</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Health precaution</td>
<td>-3: is exclusive</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Financial reasons</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-7: None of the above</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1: Do not know</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3: Prefer not to answer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S6</th>
<th>How old were you when you first started smoking on most days?</th>
<th>Enter INTEGER OR</th>
<th>Require: ≥ 5, ≤ 129</th>
<th>Goto S7</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>-1: Do not know OR</td>
<td>Expect: ≥ 12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3: Prefer not to answer</td>
<td>Units: years</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S7</th>
<th>What type of tobacco did you usually smoke?</th>
<th>SELECT one of 5 from</th>
<th>Default S8 except:</th>
<th>S7A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1: Manufactured cigarettes</td>
<td>1: S7A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: Hand-rolled cigarettes</td>
<td>2: S7A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Cigars or pipes</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-7: None of the above</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3: Prefer not to answer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S7A</th>
<th>About how many cigarettes did you smoke on average each day?</th>
<th>Enter INTEGER OR</th>
<th>Require: ≥ 1, ≤ 150</th>
<th>Goto S8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>-10: Less than one a day OR</td>
<td>Expect: ≤ 100</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1: Do not know</td>
<td>Units: cigarettes</td>
<td></td>
</tr>
</tbody>
</table>

Count the total number of cigarettes (including both hand-rolled and manufactured cigarettes if both were smoked)
For hand-rolled cigarettes:
- One ounce of tobacco makes about 30
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<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th>cigarettes - One gram of tobacco makes about 1 cigarette</th>
</tr>
</thead>
<tbody>
<tr>
<td>S8</td>
<td>How old were you when you last smoked on most days?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ≥ 5, ≤ 129 Expect: ≥ 12 Units: years</td>
<td>Goto S9</td>
</tr>
<tr>
<td>S9</td>
<td>In the time that you smoked, did you ever stop for more than 6 months?</td>
<td>SELECT one of 4 from 1: Yes 0: No -1: Do not know -3: Prefer not to answer</td>
<td></td>
<td>Goto S10</td>
</tr>
<tr>
<td>S10</td>
<td>Why did you stop smoking? (You can select more than one answer)</td>
<td>TOGGLE of 7 choices 1: Illness or ill health 2: Doctor's advice 3: Health precaution 4: Financial reasons -7: None of the above -1: Do not know -3: Prefer not to answer</td>
<td>Require ≥1 choices -7: is exclusive -1: is exclusive -3: is exclusive</td>
<td>Goto S10A</td>
</tr>
<tr>
<td>S10A</td>
<td>How many times did you try to give up smoking before you were successful?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 200 Expect: ≤ 20</td>
<td>Goto S10B If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>S10B</td>
<td>Do you think you may start smoking again?</td>
<td>SELECT one of 6 from 1: Yes, definitely 2: Yes, probably 3: No, probably not</td>
<td></td>
<td>Goto S11</td>
</tr>
<tr>
<td>Question</td>
<td>Instructions</td>
<td>Options</td>
<td>Goto</td>
<td></td>
</tr>
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<td>--------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
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<td></td>
</tr>
<tr>
<td>S11 Does anyone in your household smoke?</td>
<td>SELECT one of 4 from 1: Yes, one household member smokes</td>
<td>4: No, definitely not</td>
<td>Goto S12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2: Yes, more than one household member smokes</td>
<td>-1: Do not know</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0: No</td>
<td>-3: Prefer not to answer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3: Prefer not to answer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S12 At home, about how many hours per WEEK are you exposed to other people's tobacco smoke?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ( \geq 0, \leq 168 )</td>
<td>Goto S13</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Expect: ( \leq 100 ) Units: hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S13 Outside of your home, about how many hours per WEEK are you exposed to other people's tobacco smoke?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ( \geq 0, \leq 168 )</td>
<td>Goto DT1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Expect: ( \leq 100 ) Units: hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT1 On average how many heaped tablespoons of COOKED vegetables would you eat per DAY?</td>
<td>Enter INTEGER OR -10: Less than one OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ( \leq 50 ) Expect: undefined Units: tablespoons</td>
<td>Goto DT2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Do not include potatoes; put '0' if you do not eat any)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT2 On average how many heaped tablespoons of SALAD or RAW vegetables would you eat per DAY?</td>
<td>Enter INTEGER OR -10: Less than one OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ( \leq 50 ) Expect: undefined</td>
<td>Goto DT3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Do not include potatoes; put '0' if you do not eat any)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Question</td>
<td>Response Options</td>
<td>Units</td>
<td>Notes</td>
<td></td>
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<tr>
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<td></td>
</tr>
<tr>
<td>DT3</td>
<td>About how many pieces of FRESH fruit would you eat per DAY?</td>
<td>Enter INTEGER OR -10 : Less than one OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≤ 50 Expect: undefined Units: pieces</td>
<td>Goto DT2A</td>
</tr>
<tr>
<td>DT2A</td>
<td>About how many pieces of DRIED fruit would you eat per DAY?</td>
<td>Enter INTEGER OR -10 : Less than one OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≤ 100 Expect: undefined Units: pieces</td>
<td>Goto DT4</td>
</tr>
<tr>
<td>DT4</td>
<td>How often do you eat oily fish? (e.g. sardines, salmon, mackerel, herring)</td>
<td>SELECT one of 8 from 0 : Never 1 : Less than once a week 2 : Once a week 3 : 2-4 times a week 4 : 5-6 times a week 5 : Once or more daily -1 : Do not know -3 : Prefer not to answer</td>
<td></td>
<td>Goto DT5</td>
</tr>
<tr>
<td>DT5</td>
<td>How often do you eat other types of fish? (e.g. cod, tinned tuna, haddock)</td>
<td>SELECT one of 8 from 0 : Never 1 : Less than once a week 2 : Once a week</td>
<td></td>
<td>Goto DT8</td>
</tr>
</tbody>
</table>

(Include lettuce, tomato in sandwiches; put '0' if you do not eat any) OR -1 : Do not know OR -3 : Prefer not to answer. If you have less than one tablespoon a day select Less than one.

Please provide an average considering your intake over the last year. If you are unsure, please provide an estimate or select Do not know.

Units: tablespoons

Expect: undefined

Estimate or select Do not know.

Units: tablespoons

Oily fish include: Salmon, Anchovies, Trout, Swordfish, Mackerel, Bloater, Herring, Cacha, Sardines, Carp, Pilchards, Hilsa, Kipper, Jack fish, Eel, Katla, Whitebait, Orange roughy, Tuna (fresh only), Pangas, Sprats.
<table>
<thead>
<tr>
<th></th>
<th>DT8</th>
<th>DT6</th>
<th>DT7</th>
</tr>
</thead>
</table>
| **UK Biobank touch-screen questionnaire: final version** | 3 : 2-4 times a week  
4 : 5-6 times a week  
5 : Once or more daily  
-1 : Do not know  
-3 : Prefer not to answer | SELECT one of 8 from  
0 : Never  
1 : Less than once a week  
2 : Once a week  
3 : 2-4 times a week  
4 : 5-6 times a week  
5 : Once or more daily  
-1 : Do not know  
-3 : Prefer not to answer | SELECT one of 8 from  
0 : Never  
1 : Less than once a week  
2 : Once a week  
3 : 2-4 times a week  
4 : 5-6 times a week  
5 : Once or more daily  
-1 : Do not know  
-3 : Prefer not to answer |
| How often do you eat processed meats (such as bacon, ham, sausages, meat pies, kebabs, burgers, chicken nuggets)? | SELECT one of 8 from  
0 : Never  
1 : Less than once a week  
2 : Once a week  
3 : 2-4 times a week  
4 : 5-6 times a week  
5 : Once or more daily  
-1 : Do not know  
-3 : Prefer not to answer | Goto DT6 | Please provide an average considering your intake over the last year  
If you are unsure, please provide an estimate or select Do not know. |
| How often do you eat chicken, turkey or other poultry? (Do not count processed meats) | SELECT one of 8 from  
0 : Never  
1 : Less than once a week  
2 : Once a week  
3 : 2-4 times a week  
4 : 5-6 times a week  
5 : Once or more daily  
-1 : Do not know  
-3 : Prefer not to answer | Goto DT6 | Please provide an average considering your intake over the last year  
If you are unsure, please provide an estimate or select Do not know. |
| How often do you eat beef? (Do not count processed meats) | SELECT one of 8 from  
0 : Never  
1 : Less than once a week  
2 : Once a week  
3 : 2-4 times a week | Goto DT7 | Please provide an average considering your intake over the last year  
If you are unsure, please provide an estimate or select Do not know. |
| DT7A | How often do you eat lamb/mutton? (Do not count processed meats) | SELECT one of 8 from
- 0 : Never
- 1 : Less than once a week
- 2 : Once a week
- 3 : 2-4 times a week
- 4 : 5-6 times a week
- 5 : Once or more daily
- 1 : Do not know
- 3 : Prefer not to answer | Goto DT7B |
| DT7B | How often do you eat pork? (Do not count processed meats such as bacon or ham) | SELECT one of 8 from
- 0 : Never
- 1 : Less than once a week
- 2 : Once a week
- 3 : 2-4 times a week
- 4 : 5-6 times a week
- 5 : Once or more daily
- 1 : Do not know
- 3 : Prefer not to answer | Goto DT8 |
| DT8A | How old were you when you last ate any kind of meat? (Enter "0" if you have never eaten meat in your lifetime) | Enter INTEGER
- 1 : Do not know
- 3 : Prefer not to answer | Goto DT8B |
| DT8B | Which of the following do you NEVER eat? | TOGGLE of 6 choices
- 1 : Eggs or foods containing | Goto DT9 |
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<table>
<thead>
<tr>
<th>DT9</th>
<th>How often do you eat cheese? (Include cheese in pizzas, quiches, cheese sauce etc)</th>
<th>SELECT one of 8 from 0 : Never 1 : Less than once a week 2 : Once a week 3 : 2-4 times a week 4 : 5-6 times a week 5 : Once or more daily -1 : Do not know -3 : Prefer not to answer</th>
<th>Goto DT10 Please provide an average considering your intake over the last year If you are unsure, please provide an estimate or select Do not know.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT10</td>
<td>What type of milk do you mainly use?</td>
<td>SELECT one of 8 from 1 : Full cream 2 : Semi-skimmed 3 : Skimmed 4 : Soya 5 : Other type of milk 6 : Never/rarely have milk -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto DT10A If you use more than one type of milk, please select the one that you drink the most. If you are unsure, select Do not know.</td>
</tr>
<tr>
<td>DT10A</td>
<td>What type of spread do you mainly use?</td>
<td>SELECT one of 5 from 1 : Butter/spreadable butter 3 : Other type of</td>
<td>Default DT10B except: 3 : DT10AA If you use more than one type of spread, please select the one that you use the most. If you are unsure, select Do not know.</td>
</tr>
<tr>
<td>Table</td>
<td>Section</td>
<td>Question</td>
<td>Options</td>
</tr>
<tr>
<td>-------</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>What type of spread do you mainly use?</td>
<td>SELECT one of 9 from 4: Soft (tub) margarine 5: Hard (block) margarine 6: Olive oil based spread (eg: Bertolli) 7: Polyunsaturated/sunflower oil based spread (eg: Flora) 2: Flora Pro-Active or Benecol 8: Other low or reduced fat spread 9: Other type of spread/margarine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>How many slices of bread do you eat each WEEK?</td>
<td>Enter INTEGER OR -10: Less than one OR -1: Do not know OR -3: Prefer not to answer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>What type of bread do you mainly eat?</td>
<td>SELECT one of 6 from 1: White 2: Brown</td>
</tr>
<tr>
<td>Question</td>
<td>Option</td>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
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<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>How many bowls of cereal do you eat a WEEK?</td>
<td>Enter INTEGER OR 10 : Less than one OR 1 : Do not know OR 3 : Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 99 Expect: ≤ 14 Units: bowls Goto DT11A Please provide an average considering your intake over the last year. If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>What type of cereal do you mainly eat?</td>
<td>SELECT one of 7 from 1 : Bran cereal (e.g. All Bran, Branflakes) 2 : Biscuit cereal (e.g. Weetabix) 3 : Oat cereal (e.g. Ready Brek, porridge) 4 : Muesli 5 : Other (e.g. Cornflakes, Frosties) 1 : Do not know 3 : Prefer not to answer</td>
<td>Goto DT11B If you eat more than one type of cereal, please select the one that you eat the most. If you are unsure, select Do not know.</td>
<td></td>
</tr>
<tr>
<td>Do you add salt to your food? (Do not include salt used in cooking)</td>
<td>SELECT one of 5 from 1 : Never/rarely 2 : Sometimes 3 : Usually 4 : Always 3 : Prefer not to answer</td>
<td>Goto DT12 Please provide an average considering your intake over the last year If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>How many cups of tea do you drink each</td>
<td>Enter INTEGER Require: ≥ 0, ≤ Goto DT13 Please provide an average considering</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>DAY? (Include black and green tea)</th>
<th>OR: -10: Less than one OR -1: Do not know OR -3: Prefer not to answer</th>
<th>99 Expect: ≤ 20 Units: cups</th>
<th>your intake over the last year. If you are unsure, please provide an estimate or select Do not know.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT13 How many cups of coffee do you drink each DAY? (Include decaffeinated coffee)</td>
<td>Enter INTEGER OR -10: Less than one OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 99 Expect: ≤ 10 Units: cups</td>
<td>Goto DT13A Please provide an average considering your intake over the last year. If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>DT13AA What type of coffee do you usually drink?</td>
<td>SELECT one of 6 from 1: Decaffeinated coffee (any type) 2: Instant coffee 3: Ground coffee (include espresso, filter etc) 4: Other type of coffee -1: Do not know -3: Prefer not to answer</td>
<td>Goto DT13A If you drink more than one type of coffee, please select the one that you drink the most. If you are unsure, select Do not know.</td>
<td></td>
</tr>
<tr>
<td>DT13A How do you like your hot drinks? (Such as coffee or tea)</td>
<td>SELECT one of 5 from 1: Very hot 2: Hot 3: Warm -2: Do not drink hot drinks -3: Prefer not to answer</td>
<td>Goto DT14</td>
<td></td>
</tr>
<tr>
<td>DT14 How many glasses of water do you drink each DAY?</td>
<td>Enter INTEGER OR -10: Less than one</td>
<td>Require: ≥ 0, ≤ 99 Expect: ≤ 10</td>
<td>Goto DT15 Please provide an average considering your intake over the last year. If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>DT15</td>
<td>Have you made any major changes to your diet in the last 5 years?</td>
<td>SELECT one of 4 from 0 : No 1 : Yes, because of illness 2 : Yes, because of other reasons -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto DT16</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>DT16</td>
<td>Does your diet vary much from week to week?</td>
<td>SELECT one of 5 from 1 : Never/rarely 2 : Sometimes 3 : Often -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto A1</td>
</tr>
<tr>
<td>A1</td>
<td>About how often do you drink alcohol?</td>
<td>SELECT one of 7 from 1 : Daily or almost daily 2 : Three or four times a week 3 : Once or twice a week 4 : One to three times a month 5 : Special occasions only 6 : Never -1 : Do not know -3 : Prefer not to answer</td>
<td>Default A3B except: 4 : A2B 5 : A2B 6 : A1A -3 : INTRO5 If this varies a lot, please provide an average considering your intake over the last year</td>
</tr>
<tr>
<td>A1A</td>
<td>Did you previously drink alcohol?</td>
<td>SELECT one of 3 from 1 : Yes 0 : No</td>
<td>Default A7A except: 0 : INTRO5</td>
</tr>
</tbody>
</table>
A2B In an average MONTH, how many glasses of RED wine would you drink? (There are six glasses in an average bottle) Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer Require: ≥ 0, ≤ 250 Expect: ≤ 10 Units: glasses Goto A2C
Please include sparkling red wine here.

A2C In an average MONTH, how many glasses of WHITE wine or champagne would you drink? (There are six glasses in an average bottle) Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer Require: ≥ 0, ≤ 250 Expect: ≤ 10 Units: glasses Goto A2E
Please include sparkling white wine here.

A2E In an average MONTH, how many pints of beer or cider would you drink? (Include bitter, lager, stout, ale, Guinness) Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer Require: ≥ 0, ≤ 250 Expect: ≤ 10 Units: pints Goto A2A

A2A In an average MONTH, how many measures of spirits or liqueurs would you drink? (there are 25 standard measures in a normal sized bottle; spirits include drinks such as whisky, gin, rum, vodka, brandy) Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer Require: ≥ 0, ≤ 250 Expect: ≤ 10 Units: measures Goto A2F

A2F In an average MONTH, how many glasses of fortified wine would you drink? (There are 12 glasses in an average bottle) (Fortified wines include drinks such as sherry, port, vermouth) Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer Require: ≥ 0, ≤ 250 Expect: ≤ 10 Units: glasses Goto A2G
Fortified wines include: Sherry, Port, Vermouth, Muscat, Madeira, Malaga, Tokay, Frontignan, Frontignac.

A2G In an average MONTH, how many glasses of other alcoholic drinks (such as alcopops) would you drink? Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer Require: ≥ 0 Expect: undefined Units: glasses Goto A5

A3B In an average WEEK, how many glasses Enter INTEGER Require: ≥ 0, ≤ 250 Goto A3C Please include sparkling red wine here.
<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
<th>Unit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>of RED wine would you drink?</td>
<td>OR 1 : Do not know OR 3 : Prefer not to answer</td>
<td>glasses</td>
<td>Expect: ≤ 100</td>
</tr>
<tr>
<td>(There are six glasses in an average bottle)</td>
<td>250 Expect: ≤ 100 Units: glasses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In an average WEEK, how many glasses of WHITE wine or champagne would</td>
<td>Enter INTEGER OR 1 : Do not know OR 3 : Prefer not to answer</td>
<td>glasses</td>
<td>Please include sparkling white wine here.</td>
</tr>
<tr>
<td>you drink?</td>
<td>Require: ≥ 0, ≤ 250 Expect: ≤ 100 Units: glasses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In an average WEEK, how many pints of beer or cider would you drink?</td>
<td>Enter INTEGER OR 1 : Do not know OR 3 : Prefer not to answer</td>
<td>pints</td>
<td>For mixed drinks that contain spirits or liqueurs, count one bottle as</td>
</tr>
<tr>
<td>(Include bitter, lager, stout, ale, Guinness)</td>
<td>Require: ≥ 0, ≤ 250 Expect: ≤ 100 Units: pints</td>
<td></td>
<td>one measure. There is a question later on alcopops</td>
</tr>
<tr>
<td>In an average WEEK, how many measures of spirits or liqueurs would you</td>
<td>Enter INTEGER OR 1 : Do not know OR 3 : Prefer not to answer</td>
<td>measures</td>
<td></td>
</tr>
<tr>
<td>drink? (there are 25 standard measures in a normal sized bottle; spirits</td>
<td>Require: ≥ 0, ≤ 250 Expect: ≤ 100 Units: measures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>include drinks such as whisky, gin, rum, vodka, brandy)</td>
<td>Goto A3F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In an average WEEK, how many glasses of fortified wine would you drink?</td>
<td>Enter INTEGER OR 1 : Do not know OR 3 : Prefer not to answer</td>
<td>glasses</td>
<td>Fortified wines include: Sherry, Port, Vermouth, Muscat, Madeira,</td>
</tr>
<tr>
<td>(There are 12 glasses in an average bottle; Fortified wines include</td>
<td>Require: ≥ 0, ≤ 250 Expect: ≤ 100 Units: glasses</td>
<td></td>
<td>Malaga, Tokay, Frontignan, Frontignac.</td>
</tr>
<tr>
<td>drinks such as sherry, port, vermouth)</td>
<td>Goto A3G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In an average WEEK, how many glasses of other alcoholic drinks (such as</td>
<td>Enter INTEGER OR 1 : Do not know OR 3 : Prefer not to answer</td>
<td>glasses</td>
<td></td>
</tr>
<tr>
<td>alcopops) would you drink?</td>
<td>Require: ≥ 0 Expect: undefined Units: glasses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>When you drink alcohol is it usually with meals?</td>
<td>SELECT one of 5 from 1 : Yes 0 : No</td>
<td></td>
<td>Got A5</td>
</tr>
<tr>
<td></td>
<td>Goto A6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
UK Biobank touch-screen questionnaire: final version

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</tbody>
</table>

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A6  Compared to 10 years ago, do you drink?  SELECT one of 5 from 1: More nowadays 2: About the same 3: Less nowadays -1: Do not know -3: Prefer not to answer

Default INTRO5 except: 3 : A7

A7  Why did you reduce the amount you drank?  SELECT one of 7 from 1: Illness or ill health 2: Doctor's advice 3: Health precaution 4: Financial reasons 5: Other reason -1: Do not know -3: Prefer not to answer

Goto INTRO5

A7A Why did you stop drinking alcohol?  SELECT one of 7 from 1: Illness or ill health 2: Doctor's advice 3: Health precaution 4: Financial reasons 5: Other reason -1: Do not know -3: Prefer not to answer

Goto INTRO5

INTRO5 Now, some questions about you and your family.  INFO

Goto D2
<table>
<thead>
<tr>
<th>Touch 'next' to continue.</th>
<th>SELECT one of 8 from 1 : England 2 : Wales 3 : Scotland 4 : Northern Ireland 5 : Republic of Ireland 6 : Elsewhere -1 : Do not know -3 : Prefer not to answer</th>
<th>Default YE1 except: 5 : D2A 6 : D2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2 Where were you born?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ANY Expect: undefined</td>
</tr>
<tr>
<td>D2A What year did you first come to live in the United Kingdom?</td>
<td>Goto YE1</td>
<td>Please give the year that you FIRST came to live in the United Kingdom. Do not count years if you came to holiday or visit friends or family.</td>
</tr>
<tr>
<td>YE1 What is your ethnic group?</td>
<td>SELECT one of 8 from 1 : White 2 : Mixed 3 : Asian or Asian British 4 : Black or Black British 5 : Chinese 6 : Other ethnic group -1 : Do not know -3 : Prefer not to answer</td>
<td>Default Y3 except: 1 : YE1A 2 : YE1B 3 : YE1C 4 : YE1D</td>
</tr>
<tr>
<td>YE1A What is your ethnic background?</td>
<td>Goto Y3</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td>Question</td>
<td>Options</td>
<td>Code</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>YE1B What is your ethnic background?</td>
<td>SELECT one of 5 from 1: White and Black Caribbean, 2: White and Black African, 3: White and Asian, 4: Any other mixed background, -3: Prefer not to answer</td>
<td>-3</td>
</tr>
<tr>
<td>YE1C What is your ethnic background?</td>
<td>SELECT one of 5 from 1: Indian, 2: Pakistani, 3: Bangladeshi, 4: Any other Asian background, -3: Prefer not to answer</td>
<td>-3</td>
</tr>
<tr>
<td>YE1D What is your ethnic background?</td>
<td>SELECT one of 4 from 1: Caribbean, 2: African, 3: Any other Black background, -3: Prefer not to answer</td>
<td>-3</td>
</tr>
<tr>
<td>Y3 Were you breastfed when you were a baby?</td>
<td>SELECT one of 4 from 1: Yes, 0: No, -1: Do not know, -3: Prefer not to answer</td>
<td>-3</td>
</tr>
<tr>
<td>Y4 When you were 10 years old, compared to</td>
<td>SELECT one of 5 from</td>
<td></td>
</tr>
<tr>
<td>Section</td>
<td>Question</td>
<td>Options</td>
</tr>
<tr>
<td>---------</td>
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<td>---------</td>
</tr>
<tr>
<td>Y5</td>
<td>When you were 10 years old, compared to average would you describe yourself as:</td>
<td>SELECT one of 5 from 1 : Shorter 2 : Taller 3 : About average -1 : Do not know -3 : Prefer not to answer</td>
</tr>
<tr>
<td>Y6</td>
<td>Are you right or left handed?</td>
<td>SELECT one of 4 from 1 : Right-handed 2 : Left-handed 3 : Use both right and left hands equally -3 : Prefer not to answer</td>
</tr>
<tr>
<td>Y6A</td>
<td>What best describes the colour of your skin without tanning?</td>
<td>SELECT one of 8 from 1 : Very fair 2 : Fair 3 : Light olive 4 : Dark olive 5 : Brown 6 : Black -1 : Do not know -3 : Prefer not to answer</td>
</tr>
<tr>
<td>Y6AA</td>
<td>What would happen to your skin if it was repeatedly exposed to bright sunlight</td>
<td>SELECT one of 6 from 1 : Get very tanned</td>
</tr>
<tr>
<td>Question</td>
<td>Options</td>
<td>Validation</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>before the age of 15, how many times did you suffer sunburn that was</td>
<td>2: Get moderately tanned</td>
<td>Require: ( \geq 0, \leq 999 ) Expect: ( \leq 20 ) Units: times</td>
</tr>
<tr>
<td>painful for at least 2 days or caused blistering?</td>
<td>3: Get mildly or occasionally tanned</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4: Never tan, only burn</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-1: Do not know</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-3: Prefer not to answer</td>
<td></td>
</tr>
<tr>
<td>Y5A</td>
<td>Before the age of 15, how many times did you suffer sunburn that was painful for at least 2 days or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>caused blistering?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Enter INTEGER OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-1: Do not know OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-3: Prefer not to answer</td>
<td></td>
</tr>
<tr>
<td>Y6B</td>
<td>What best describes your natural hair colour?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(If your hair colour is grey, the colour before you went grey)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SELECT one of 8 from</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1: Blonde</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2: Red</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3: Light brown</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4: Dark brown</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5: Black</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6: Other</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-1: Do not know OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-3: Prefer not to answer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>If you are unsure, please select the colour closest to your natural adult hair colour or select Do</td>
<td></td>
</tr>
<tr>
<td></td>
<td>do not know.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Goto Y6C</td>
<td></td>
</tr>
<tr>
<td>Y6C</td>
<td>Do people say that you look:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SELECT one of 5 from</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1: Younger than you are</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2: Older than you are</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3: About your age</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-1: Do not know OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-3: Prefer not to answer</td>
<td></td>
</tr>
<tr>
<td>Y1</td>
<td>Were you adopted as a child?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SELECT one of 4 from</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1: Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0: No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Default Y1A except:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1: Y13AD</td>
<td></td>
</tr>
<tr>
<td>Y1A</td>
<td>Are you a twin, triplet or other multiple birth?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
</tr>
<tr>
<td>-----</td>
<td>---------------------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Y7</td>
<td>Did your mother smoke regularly around the time when you were born?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
</tr>
<tr>
<td>Y13</td>
<td>Is your father still alive?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
</tr>
<tr>
<td>Y13AD</td>
<td>Is your ADOPTED father still alive?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
</tr>
<tr>
<td>Y13A</td>
<td>What is his age now?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
</tr>
<tr>
<td>Y13B</td>
<td>What was his age when he died?</td>
<td>Enter INTEGER OR</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Y13D</th>
<th>Has/did your father ever suffer from? (You can select more than one answer)</th>
<th>TOGGLE of 9 choices</th>
<th>Require ≥1 choices</th>
<th>Goto Y13E</th>
<th>Answer this question for blood relations only. If you are not sure if your father suffered from any of the listed illnesses please select Do not know. If you know your father suffered from certain listed illnesses but are unsure about others, only select the ones you are sure about.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-1 : Do not know OR -3 : Prefer not to answer</td>
<td>Expect: ≥ 15, ≤ 105 Units: years</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y13DAD Has/did your ADOPTED father ever suffer from? (You can select more than one answer)</td>
<td>TOGGLE of 9 choices</td>
<td>Require ≥1 choices</td>
<td>Goto Y13EAD</td>
<td>Answer this question for your adopted father only. If you are not sure if your adopted father suffered from any of the listed illnesses please select Do not know. If you know your adopted father suffered from certain listed illnesses but are unsure about others, only select the ones you are sure about.</td>
</tr>
<tr>
<td></td>
<td>-1 : Do not know OR -3 : Prefer not to answer</td>
<td>Expect: ≥ 15, ≤ 105 Units: years</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Y13E Has/did your father ever suffer from? (You can select more than one answer)</td>
<td>TOGGLE of 8 choices</td>
<td>Require ≥1 choices</td>
<td>Goto Y16</td>
<td>Answer this question for blood relations only. If you are not sure if your father suffered</td>
</tr>
<tr>
<td></td>
<td>-1 : Do not know OR -3 : Prefer not to answer</td>
<td>Expect: ≥ 15, ≤ 105 Units: years</td>
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</tbody>
</table>
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<table>
<thead>
<tr>
<th>Y13EAD</th>
<th>Has/did your ADOPTED father ever suffer from? (You can select more than one answer)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TOGGLE of 8 choices</td>
</tr>
<tr>
<td></td>
<td>11: Parkinson's disease</td>
</tr>
<tr>
<td></td>
<td>12: Severe depression</td>
</tr>
<tr>
<td></td>
<td>3: Lung cancer</td>
</tr>
<tr>
<td></td>
<td>4: Bowel cancer</td>
</tr>
<tr>
<td></td>
<td>13: Prostate cancer</td>
</tr>
<tr>
<td></td>
<td>-7: None of the above</td>
</tr>
<tr>
<td></td>
<td>-1: Do not know</td>
</tr>
<tr>
<td></td>
<td>-3: Prefer not to answer</td>
</tr>
<tr>
<td></td>
<td>Require ≥1 choices</td>
</tr>
<tr>
<td></td>
<td>-7: is exclusive</td>
</tr>
<tr>
<td></td>
<td>-1: is exclusive</td>
</tr>
<tr>
<td></td>
<td>-3: is exclusive</td>
</tr>
<tr>
<td></td>
<td>Goto Y16AD</td>
</tr>
</tbody>
</table>

Answer this question for your adopted father only. If you are not sure if your adopted father suffered from any of the listed illnesses please select Do not know. If you know your adopted father suffered from certain listed illnesses but are unsure about others, only select the ones you are sure about.

<table>
<thead>
<tr>
<th>Y16</th>
<th>Is your mother still alive?</th>
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<tbody>
<tr>
<td></td>
<td>SELECT one of 4 from</td>
</tr>
<tr>
<td></td>
<td>1: Yes</td>
</tr>
<tr>
<td></td>
<td>0: No</td>
</tr>
<tr>
<td></td>
<td>-1: Do not know</td>
</tr>
<tr>
<td></td>
<td>-3: Prefer not to answer</td>
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<td></td>
<td>Branch</td>
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<tr>
<td></td>
<td>1: Y16A</td>
</tr>
<tr>
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<td>0: Y16B</td>
</tr>
<tr>
<td></td>
<td>-1: Y17</td>
</tr>
<tr>
<td></td>
<td>-3: Y17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Y16AD</th>
<th>Is your ADOPTED mother still alive?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SELECT one of 4 from</td>
</tr>
<tr>
<td></td>
<td>1: Yes</td>
</tr>
<tr>
<td></td>
<td>0: No</td>
</tr>
<tr>
<td></td>
<td>-1: Do not know</td>
</tr>
<tr>
<td></td>
<td>-3: Prefer not to answer</td>
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<td></td>
<td>Default</td>
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<td></td>
<td>Y17AD except:</td>
</tr>
<tr>
<td></td>
<td>1: Y16A</td>
</tr>
<tr>
<td></td>
<td>0: Y16B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Y16A</th>
<th>What is her age now?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Enter INTEGER OR</td>
</tr>
<tr>
<td></td>
<td>Require: ≥139, ≤122</td>
</tr>
<tr>
<td></td>
<td>Goto Y16D</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Y16B</th>
<th>What was her age when she died?</th>
<th>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</th>
<th>Require: ( \geq 10, \leq 122 ) Expect: ( \geq 144, \leq 105 ) Units: years</th>
<th>Goto Y16D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y16D</td>
<td>Has/did your mother ever suffer from? (You can select more than one answer)</td>
<td>TOGGLE of 9 choices 1 : Heart disease 2 : Stroke 8 : High blood pressure 9 : Diabetes 6 : Chronic bronchitis/emphysema 1 : Alzheimer's disease/dementia -7 : None of the above -1 : Do not know -3 : Prefer not to answer</td>
<td>Require ( \geq 1 ) choices -7 : is exclusive -1 : is exclusive -3 : is exclusive</td>
<td>Goto Y16E</td>
</tr>
<tr>
<td>Y16DAD</td>
<td>Has/did your ADOPTED mother ever suffer from? (You can select more than one answer)</td>
<td>TOGGLE of 9 choices 1 : Heart disease 2 : Stroke 8 : High blood pressure 9 : Diabetes 6 : Chronic bronchitis/emphysema 1 : Alzheimer's disease/dementia -7 : None of the above</td>
<td>Require ( \geq 1 ) choices -7 : is exclusive -1 : is exclusive -3 : is exclusive</td>
<td>Goto Y16EAD</td>
</tr>
</tbody>
</table>

Answer this question for blood relations only. If you are not sure if your mother suffered from any of the listed illnesses please select Do not know. If you know your mother suffered from certain listed illnesses but are unsure about others, only select the ones you are sure about.

Answer this question for your adopted mother only. If you are not sure if your adopted mother suffered from any of the listed illnesses please select Do not know. If you know your adopted mother suffered from certain listed illnesses but are unsure about others, only select the ones you are sure about.
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer Options</th>
<th>Instructions</th>
<th>Goto</th>
</tr>
</thead>
</table>
| **Y16E** Has/did your mother ever suffer from? (You can select more than one answer) | TOGGLE of 8 choices  
11: Parkinson's disease  
12: Severe depression  
3: Lung cancer  
4: Bowel cancer  
5: Breast cancer  
-7: None of the above  
-1: Do not know  
-3: Prefer not to answer | Require ≥1 choices  
-7: is exclusive  
-1: is exclusive  
-3: is exclusive | Goto Y17 | Answer this question for blood relations only.  
If you are not sure if your mother suffered from any of the listed illnesses please select Do not know.  
If you know your mother suffered from certain listed illnesses but are unsure about others, only select the ones you are sure about. |
| **Y16EAD** Has/did your ADOPTED mother ever suffer from? (You can select more than one answer) | TOGGLE of 8 choices  
11: Parkinson's disease  
12: Severe depression  
3: Lung cancer  
4: Bowel cancer  
5: Breast cancer  
-7: None of the above  
-1: Do not know  
-3: Prefer not to answer | Require ≥1 choices  
-7: is exclusive  
-1: is exclusive  
-3: is exclusive | Goto Y17AD | Answer this question for your adopted mother only.  
If you are not sure if your adopted mother suffered from any of the listed illnesses please select Do not know.  
If you know your adopted mother suffered from certain listed illnesses but are unsure about others, only select the ones you are sure about. |
| **Y17** How many brothers do you have? (Please include those who have died, and twin brothers. Do not include half-brothers, step-brothers or adopted brothers) | Enter INTEGER  
OR  
-1: Do not know  
OR  
-3: Prefer not to answer | Require: ≥ 0, ≤ 25  
Expect: ≤ 10 | Goto Y18 |  |
| **Y17AD** How many ADOPTED brothers do you have? (Please include those who have died) | Enter INTEGER  
OR  
-1: Do not know  
OR  
-3: Prefer not to answer | Require: ≥ 0, ≤ 25  
Expect: ≤ 10 | Goto Y18AD |  |
<table>
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<th>Requirement</th>
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<tr>
<td><strong>Y18</strong> How many sisters do you have? (Please include those who have died, and twin sisters. Do not include half-sisters, step-sisters or adopted sisters)</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: $\geq 0, \leq 25$ Expect: $\leq 10$</td>
<td>Y19</td>
<td></td>
</tr>
<tr>
<td><strong>Y18AD</strong> How many ADOPTED sisters do you have? (Please include those who have died)</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: $\geq 0, \leq 25$ Expect: $\leq 10$</td>
<td>Y19AD</td>
<td></td>
</tr>
<tr>
<td><strong>Y19</strong> Have any of your brothers or sisters suffered from any of the following illnesses? (You can select more than one answer)</td>
<td>TOGGLE of 9 choices 1 : Heart disease 2 : Stroke 8 : High blood pressure 9 : Diabetes 6 : Chronic bronchitis/emphysema 1 : Alzheimer's disease/dementia -7 : None of the above -1 : Do not know -3 : Prefer not to answer</td>
<td>Require $\geq 1$ choices -7 : is exclusive -1 : is exclusive -3 : is exclusive</td>
<td>Y20</td>
<td>Answer this question for blood relations only. Include any sisters or brothers who have died. If you are not sure if your sisters or brothers suffered from any of the listed illnesses please select Do not know. If more than one sister or brother has suffered from any of the listed illnesses, you only need to select the illness once.</td>
</tr>
<tr>
<td><strong>Y19AD</strong> Have any of your ADOPTED brothers or sisters suffered from any of the following illnesses? (You can select more than one answer)</td>
<td>TOGGLE of 9 choices 1 : Heart disease 2 : Stroke 8 : High blood pressure 9 : Diabetes 6 : Chronic bronchitis/emphysema</td>
<td>Require $\geq 1$ choices -7 : is exclusive -1 : is exclusive -3 : is exclusive</td>
<td>Y20AD</td>
<td>Answer this question for adopted brothers and sisters only. Include any adopted brothers or sisters who have died. If you are not sure if your adopted brothers or sisters suffered from any of the listed illnesses please select Do not know. If more than one adopted brother or sister has suffered from any of the listed illnesses, you only need to select one.</td>
</tr>
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<tr>
<td><strong>Y20</strong> Have any or your brothers or sisters suffered from any of the following illnesses? (You can select more than one answer)</td>
<td>1: Alzheimer's disease/dementia 0: None of the above -1: Do not know -3: Prefer not to answer</td>
<td>Require ≥1 choices -7: is exclusive -1: is exclusive -3: is exclusive</td>
<td>Y21</td>
</tr>
<tr>
<td>Goto Y21 Answer this question for blood relations only. Include any sisters or brothers who have died. If you are not sure if your sisters or brothers suffered from any of the listed illnesses please select Do not know. If more than one sister or brother has suffered from any of the listed illnesses, you only need to select the illness once.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Y20AD</strong> Have any or your ADOPTED brothers or sisters suffered from any of the following illnesses? (You can select more than one answer)</td>
<td>11: Parkinson's disease 12: Severe depression 3: Lung cancer 4: Bowel cancer 5: Breast cancer 13: Prostate cancer -7: None of the above -1: Do not know -3: Prefer not to answer</td>
<td>Require ≥1 choices -7: is exclusive -1: is exclusive -3: is exclusive</td>
<td>Y21</td>
</tr>
<tr>
<td>Goto Y21 Answer this question for adopted brothers and sisters only. Include any adopted brothers or sisters who have died. If you are not sure if your adopted brothers or sisters suffered from any of the listed illnesses please select Do not know. If more than one adopted brother or sister has suffered from any of the listed illnesses, you only need to select the illness once.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Y21</strong> How many OLDER brothers/sisters do you have? (Please include those who have died, and twins. Do not include half-, step- or</td>
<td>Enter INTEGER OR -1: Do not know OR</td>
<td>Require: ≥ 0, ≤ 25 Expect: ≤ 10</td>
<td>Y22</td>
</tr>
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</table>
adopted brothers and sisters) -3 : Prefer not to answer

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) SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer Goto INTRO6

INTRO6 Now some questions about your feelings and your mood. Work quickly and do not think about the exact meaning of the question. Touch 'next' to continue.

INFO Work through these questions quickly and do not think about the exact meaning of the question

P18 Does your mood often go up and down? SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer Goto P19

P19 Do you ever feel 'just miserable' for no reason? SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer Goto P20

P20 Are you an irritable person? SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer Goto P21

P21 Are your feelings easily hurt? SELECT one of 4 from 1 : Yes Goto P22

Work through these questions quickly and do not think about the exact meaning of the question.
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<tr>
<td>P22</td>
<td>Do you often feel 'fed-up'?</td>
<td>SELECT one of 4 from 1 : Yes, 0 : No, -1 : Do not know, -3 : Prefer not to answer</td>
<td>Goto P23</td>
<td>Work through these questions quickly and do not think about the exact meaning of the question</td>
</tr>
<tr>
<td>P23</td>
<td>Would you call yourself a nervous person?</td>
<td>SELECT one of 4 from 1 : Yes, 0 : No, -1 : Do not know, -3 : Prefer not to answer</td>
<td>Goto P24</td>
<td>Work through these questions quickly and do not think about the exact meaning of the question</td>
</tr>
<tr>
<td>P24</td>
<td>Are you a worrier?</td>
<td>SELECT one of 4 from 1 : Yes, 0 : No, -1 : Do not know, -3 : Prefer not to answer</td>
<td>Goto P25</td>
<td>Work through these questions quickly and do not think about the exact meaning of the question</td>
</tr>
<tr>
<td>P25</td>
<td>Would you call yourself tense or 'highly strung'?</td>
<td>SELECT one of 4 from 1 : Yes, 0 : No, -1 : Do not know, -3 : Prefer not to answer</td>
<td>Goto P26</td>
<td>Work through these questions quickly and do not think about the exact meaning of the question</td>
</tr>
<tr>
<td>P26</td>
<td>Do you worry too long after an embarrassing experience?</td>
<td>SELECT one of 4 from 1 : Yes, 0 : No, -1 : Do not know, -3 : Prefer not to answer</td>
<td>Goto P27</td>
<td>Work through these questions quickly and do not think about the exact meaning of the question</td>
</tr>
<tr>
<td>Page</td>
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<td>Answer Options</td>
<td>Goto</td>
<td>Instructions</td>
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</tbody>
</table>
| P27  | Do you suffer from 'nerves'?
|      | SELECT one of 4 from
|      | 1 : Yes
|      | 0 : No
|      | -1 : Do not know
|      | -3 : Prefer not to answer |
|      | Goto P28 | Work through these questions quickly and do not think about the exact meaning of the question |
| P28  | Do you often feel lonely?
|      | SELECT one of 4 from
|      | 1 : Yes
|      | 0 : No
|      | -1 : Do not know
|      | -3 : Prefer not to answer |
|      | Goto P29 | Work through these questions quickly and do not think about the exact meaning of the question |
| P29  | Are you often troubled by feelings of guilt?
|      | SELECT one of 4 from
|      | 1 : Yes
|      | 0 : No
|      | -1 : Do not know
|      | -3 : Prefer not to answer |
|      | Goto P30 | Work through these questions quickly and do not think about the exact meaning of the question |
| P30  | Would you describe yourself as someone who takes risks?
|      | SELECT one of 4 from
|      | 1 : Yes
|      | 0 : No
|      | -1 : Do not know
|      | -3 : Prefer not to answer |
|      | Goto P31 | Work through these questions quickly and do not think about the exact meaning of the question |
| P31  | In general how happy are you?
|      | SELECT one of 8 from
|      | 1 : Extremely happy
|      | 2 : Very happy
|      | 3 : Moderately happy
|      | 4 : Moderately unhappy
|      | 5 : Very unhappy
|      | 6 : Extremely unhappy
|      | -1 : Do not know
<p>|      | Goto P31A |</p>
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<th>Question</th>
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<tr>
<td>P31A</td>
<td>In general how satisfied are you with the WORK that you do?</td>
<td>SELECT one of 9 from 1 : Extremely happy 2 : Very happy 3 : Moderately happy 4 : Moderately unhappy 5 : Very unhappy 6 : Extremely unhappy 7 : I am not employed 8 : Do not know 9 : Prefer not to answer</td>
<td>Goto P31B</td>
</tr>
<tr>
<td>P31B</td>
<td>In general how satisfied are you with your HEALTH?</td>
<td>SELECT one of 8 from 1 : Extremely happy 2 : Very happy 3 : Moderately happy 4 : Moderately unhappy 5 : Very unhappy 6 : Extremely unhappy 7 : I am not employed 8 : Do not know 9 : Prefer not to answer</td>
<td>Goto P31C</td>
</tr>
<tr>
<td>P31C</td>
<td>In general how satisfied are you with your FAMILY RELATIONSHIPS?</td>
<td>SELECT one of 8 from 1 : Extremely happy 2 : Very happy 3 : Moderately happy 4 : Moderately unhappy 5 : Very unhappy 6 : Extremely unhappy 7 : I am not employed 8 : Do not know 9 : Prefer not to answer</td>
<td>Goto P31D</td>
</tr>
<tr>
<td>Page</td>
<td>Question</td>
<td>Options</td>
<td>Next Page</td>
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</tr>
<tr>
<td>P31D</td>
<td>In general how satisfied are you with your FRIENDSHIPS?</td>
<td>SELECT one of 8 from 1: Extremely happy 2: Very happy 3: Moderately happy 4: Moderately unhappy 5: Very unhappy 6: Extremely unhappy -1: Do not know -3: Prefer not to answer</td>
<td>Goto P31E</td>
</tr>
<tr>
<td>P31E</td>
<td>In general how satisfied are you with your FINANCIAL SITUATION?</td>
<td>SELECT one of 8 from 1: Extremely happy 2: Very happy 3: Moderately happy 4: Moderately unhappy 5: Very unhappy 6: Extremely unhappy -1: Do not know -3: Prefer not to answer</td>
<td>Goto P1</td>
</tr>
<tr>
<td>P1</td>
<td>Over the past two weeks, how often have you felt down, depressed or hopeless?</td>
<td>SELECT one of 6 from 1: Not at all 2: Several days 3: More than half the days 4: Nearly every day -1: Do not know -3: Prefer not to answer</td>
<td>Goto P1A</td>
</tr>
<tr>
<td>P1A</td>
<td>Over the past two weeks, how often have you had little interest or pleasure in doing</td>
<td>SELECT one of 6 from 1: Not at all</td>
<td>Goto P2</td>
</tr>
</tbody>
</table>
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<tbody>
<tr>
<td>P2</td>
<td>Over the past two weeks, how often have you felt tense, fidgety or restless?</td>
<td>SELECT one of 6 from 1: Not at all 2: Several days 3: More than half the days 4: Nearly every day -1: Do not know -3: Prefer not to answer</td>
<td></td>
<td>Answer this question thinking about the past 2 weeks. If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>P3</td>
<td>Over the past two weeks, how often have you felt tired or had little energy?</td>
<td>SELECT one of 6 from 1: Not at all 2: Several days 3: More than half the days 4: Nearly every day -1: Do not know -3: Prefer not to answer</td>
<td></td>
<td>Answer this question thinking about the past 2 weeks. If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>P4</td>
<td>Have you ever seen a general practitioner (GP) for nerves, anxiety, tension or depression?</td>
<td>SELECT one of 4 from 1: Yes 0: No -1: Do not know -3: Prefer not to answer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P5</td>
<td>Have you ever seen a psychiatrist for nerves, anxiety, tension or depression?</td>
<td>SELECT one of 4 from 1: Yes 0: No -1: Do not know</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P6</td>
<td>Looking back over your life, have you ever had a time when you were feeling depressed or down for at least a whole week?</td>
<td>SELECT one of 4 from</td>
<td>Default P6C except:</td>
<td>1 : P6A</td>
</tr>
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</tr>
<tr>
<td>P6A</td>
<td>How many weeks was the longest period when you were feeling depressed or down?</td>
<td>Enter INTEGER OR</td>
<td>Require: ≥ 1, ≤ 999</td>
<td>Goto P6B</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1 : Do not know OR</td>
<td>Expect: undefined</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td>Units: weeks</td>
<td></td>
</tr>
<tr>
<td>P6B</td>
<td>How many periods have you had when you were feeling depressed or down for at least a whole week?</td>
<td>Enter INTEGER OR</td>
<td>Require: ≥ 1, ≤ 9999</td>
<td>Goto P6C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1 : Do not know OR</td>
<td>Expect: undefined</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td>Units: periods</td>
<td></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 for at least a whole week?</td>
<td>SELECT one of 4 from</td>
<td>Default P7 except:</td>
<td>1 : P6D</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 : Yes</td>
<td>1 : P6A</td>
<td></td>
</tr>
<tr>
<td>P6D</td>
<td>How many weeks was the longest period when you were uninterested in things or unable to enjoy the things you used to?</td>
<td>Enter INTEGER OR</td>
<td>Require: ≥ 1, ≤ 999</td>
<td>Goto P6E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1 : Do not know OR</td>
<td>Expect: undefined</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td>Units: weeks</td>
<td></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 for at least a whole week?</td>
<td>Enter INTEGER OR</td>
<td>Require: ≥ 1, ≤ 999</td>
<td>Goto P7</td>
</tr>
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<td></td>
<td></td>
<td>-1 : Do not know OR</td>
<td>Expect: undefined</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td>Units: periods</td>
<td></td>
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</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 one of 4 from 1: Yes 0: No -1: Do not know -3: Prefer not to answer</td>
<td>Goto P8</td>
<td></td>
</tr>
<tr>
<td>P8</td>
<td>Have you ever had 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 one of 4 from 1: Yes 0: No -1: Do not know -3: Prefer not to answer</td>
<td>Goto E1</td>
<td></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>TOGGLE of 6 choices 1: I was more active than usual 1: I was more talkative than usual 1: I needed less sleep than usual 1: I was more creative or had more ideas than usual 1: All of the above 5: None of the above</td>
<td>Require ≥1 choices 15: is exclusive -7: is exclusive Goto P8B</td>
<td></td>
</tr>
<tr>
<td>P8B</td>
<td>What is the longest time period that these &quot;high&quot; or &quot;irritable&quot; periods have lasted?</td>
<td>SELECT one of 5 from 1: At least two days, but less than a week 1: Less than a week 2 1: A week or more 3</td>
<td>Goto P8C</td>
<td></td>
</tr>
</tbody>
</table>
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| P8C | How much of a problem have these "high" or "irritable" periods caused you? | SELECT one of 4 from  
1 : No problems  
1 : Needed treatment or caused problems with work, relationships, finances, the law or other aspects of life  
-1 : Do not know  
-3 : Prefer not to answer | Go to E1 |
|-----|-------------------------------------------------------------------------|-----------|----------------|
| E1  | How often are you able to confide in someone close to you?              | SELECT one of 8 from  
5 : Almost daily  
4 : 2-4 times a week  
3 : About once a week  
2 : About once a month  
1 : Once every few months  
0 : Never or almost never  
-1 : Do not know  
-3 : Prefer not to answer | Go to E2 |
| E2  | In the last 2 years have you experienced any of the following? (You can select more than one answer) | TOGGLE of 8 choices  
1 : Serious illness, injury or assault to yourself  
2 : Serious illness, injury or assault of a close relative  
3 : Death of a close relative  
4 : Death of a spouse or partner  
5 : Marital  
Require ≥1 choices  
-7 : is exclusive  
-3 : is exclusive | Go to INTRO7 |
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<tr>
<th>INTRO7</th>
<th>The next section contains questions about your sexual history. If you feel that a question is too sensitive, you can skip the question or skip the entire section if you prefer.</th>
<th>SELECT one of 2 from 1 : Continue 2 : Skip this section</th>
<th>Default SE1 except: 2 : INTRO8</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE1</td>
<td>What was your age when you first had sexual intercourse? (Sexual intercourse includes vaginal, oral or anal intercourse)</td>
<td>Enter INTEGER OR 1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 3, ≤ 129 Expect: ≥ 12 Units: years Goto SE1A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sexual intercourse includes vaginal, oral or anal intercourse. If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>SE1A</td>
<td>About how many sexual partners have you had in your lifetime?</td>
<td>Enter INTEGER OR 1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 1, ≤ 99997 Expect: ≤ 99 Goto SE2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sexual intercourse includes vaginal, oral or anal intercourse. If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>SE2</td>
<td>Have you ever had sexual intercourse with someone of the same sex?</td>
<td>SELECT one of 3 from 1 : Yes 0 : No -3 : Prefer not to answer</td>
<td>Default SE2A except: 0 : INTRO8 -3 : INTRO8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sexual intercourse includes vaginal, oral or anal intercourse.</td>
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</tr>
<tr>
<td>SE2A</td>
<td>How many sexual partners of the same sex have you had in your lifetime?</td>
<td>Enter INTEGER OR 1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 1, ≤ 99997 Expect: ≤ 99 Goto INTRO8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sexual intercourse includes vaginal, oral or anal intercourse. If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>INTRO8</td>
<td>Now some questions about your health.</td>
<td>INFO</td>
<td>Goto H3</td>
</tr>
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</thead>
<tbody>
<tr>
<td><strong>H3</strong></td>
<td><strong>In general how would you rate your overall health?</strong></td>
<td>SELECT one of 6 from 1 : Excellent 2 : Good 3 : Fair 4 : Poor -1 : Do not know -3 : Prefer not to answer</td>
<td></td>
<td></td>
<td>Goto H4</td>
</tr>
<tr>
<td><strong>H4</strong></td>
<td><strong>Do you have any long-standing illness, disability or infirmity?</strong></td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td></td>
<td></td>
<td>Goto H4A</td>
</tr>
<tr>
<td><strong>H4A</strong></td>
<td><strong>Do you receive any of the following? (You can select more than one answer)</strong></td>
<td>TOGGLE of 6 choices 1 : Attendance allowance 2 : Disability living allowance 3 : Blue badge -7 : None of the above -1 : Do not know -3 : Prefer not to answer</td>
<td>Require ≥1 choices -7 : is exclusive -1 : is exclusive -3 : is exclusive</td>
<td>Goto H4B</td>
<td>Only select a response if you personally receive the benefit. Do not include if your spouse or someone in your household receives one of these benefits.</td>
</tr>
<tr>
<td><strong>H4B</strong></td>
<td><strong>Do you use private healthcare?</strong></td>
<td>SELECT one of 6 from 1 : Yes, all of the time 2 : Yes, most of the time 3 : Yes, sometimes 4 : No, never -1 : Do not know -3 : Prefer not to answer</td>
<td></td>
<td></td>
<td>Goto H5</td>
</tr>
<tr>
<td>H5</td>
<td>Do you wear glasses or contact lenses to correct your vision?</td>
<td>SELECT one of 3 from 1 : Yes 0 : No -3 : Prefer not to answer</td>
<td>Default H5A except: 1 : H5AA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H5AA</td>
<td>What age did you first start to wear glasses or contact lenses?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: $\geq 1, \leq 129$ Expect: $\geq 4$ Goto H5AB If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H5AB</td>
<td>Why were you prescribed glasses/contacts? (You can select more than one answer)</td>
<td>TOGGLE of 9 choices 1 : For short-sightedness, i.e. only or mainly for distance viewing such as driving, cinema etc (called 'myopia') 2 : For long-sightedness, i.e. for distance and near, but particularly for near tasks like reading (called 'hypermetropia') 3 : For just reading/near work as you are getting older (called 'presbyopia') 4 : For 'astigmatism' 5 : For a 'squint' or 'turn' in an eye since childhood (called 'strabismus') 6 : For a 'lazy' eye or an eye with poor vision since childhood (called 'amblyopia')</td>
<td>Require $\geq 1$ choices -1 : is exclusive -3 : is exclusive Goto FUNC()</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>H5AB1</strong></td>
<td>Which eye(s) are affected by myopia (short sight)?</td>
<td>SELECT one of 3 from 1 : Right eye 2 : Left eye 3 : Both eyes</td>
<td>Goto FUNC()</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>H5AB2</strong></td>
<td>Which eye(s) are affected by hypermetropia (long sight)?</td>
<td>SELECT one of 3 from 1 : Right eye 2 : Left eye 3 : Both eyes</td>
<td>Goto FUNC()</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>H5AB3</strong></td>
<td>Which eye(s) are affected by presbyopia?</td>
<td>SELECT one of 3 from 1 : Right eye 2 : Left eye 3 : Both eyes</td>
<td>Goto FUNC()</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>H5AB4</strong></td>
<td>Which eye(s) are affected by astigmatism?</td>
<td>SELECT one of 3 from 1 : Right eye 2 : Left eye 3 : Both eyes</td>
<td>Goto FUNC()</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>H5AB5</strong></td>
<td>Which eye(s) are affected by strabismus (squint)?</td>
<td>SELECT one of 3 from 1 : Right eye 2 : Left eye 3 : Both eyes</td>
<td>Goto FUNC()</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>H5AB6</strong></td>
<td>Which eye(s) are affected by amblyopia (lazy eye)?</td>
<td>SELECT one of 3 from 1 : Right eye 2 : Left eye 3 : Both eyes</td>
<td>Goto FUNC()</td>
<td></td>
<td></td>
</tr>
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</table>
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<table>
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<tr>
<th>H5AB7</th>
<th>Which eye(s) are affected by your other eye condition?</th>
<th>SELECT one of 3 from 1: Right eye 2: Left eye 3: Both eyes</th>
<th>Goto FUNC()</th>
<th>[NULL]</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5A</td>
<td>Do you have any other problems with your eyes or eyesight?</td>
<td>SELECT one of 3 from 1: Yes 0: No -3: Prefer not to answer</td>
<td>Goto H5C</td>
<td></td>
</tr>
<tr>
<td>H5C</td>
<td>Has a doctor told you that you have any of the following problems with your eyes? (You can select more than one answer)</td>
<td>TOGGLE of 9 choices 1: Diabetes related eye disease 2: Glaucoma 3: Injury or trauma resulting in loss of vision 4: Cataract 5: Macular degeneration 6: Other serious eye condition -7: None of the above -3: Prefer not to answer -1: Do not know</td>
<td>Require ≥1 choices -7: is exclusive -3: is exclusive -1: is exclusive</td>
<td>Goto Y6AB</td>
</tr>
<tr>
<td>H5E1</td>
<td>Which eye(s) are affected by diabetes related eye disease?</td>
<td>SELECT one of 3 from 1: Right eye 2: Left eye 3: Both eyes</td>
<td>Goto FUNC()</td>
<td></td>
</tr>
<tr>
<td>H5D1</td>
<td>What was your age when diabetes related eye disease was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69</td>
<td>Goto Y6AB</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>Question</td>
<td>Response Options</td>
<td>Units: years</td>
<td>Notes</td>
<td></td>
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<tr>
<td>-------------------------------------------------------------------------</td>
<td>-------------------------------------------------------</td>
<td>------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Which eye(s) are affected by glaucoma?</td>
<td>SELECT one of 3 from 1: Right eye, 2: Left eye, 3: Both eyes</td>
<td></td>
<td>Goto FUNC()</td>
<td></td>
</tr>
<tr>
<td>What was your age when glaucoma was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69</td>
<td>Goto Y6AB If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>Which eye(s) are affected by injury or trauma resulting in loss of vision?</td>
<td>SELECT one of 3 from 1: Right eye, 2: Left eye, 3: Both eyes</td>
<td></td>
<td>Goto FUNC()</td>
<td></td>
</tr>
<tr>
<td>What was your age when injury or trauma resulting in loss of vision was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69</td>
<td>Goto Y6AB If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>Which eye(s) are affected by a cataract?</td>
<td>SELECT one of 3 from 1: Right eye, 2: Left eye, 3: Both eyes</td>
<td></td>
<td>Goto FUNC()</td>
<td></td>
</tr>
<tr>
<td>What was your age when a cataract was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69</td>
<td>Goto Y6AB If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>Which eye(s) are affected by macular degeneration?</td>
<td>SELECT one of 3 from 1: Right eye</td>
<td></td>
<td>Goto FUNC()</td>
<td></td>
</tr>
<tr>
<td>Question</td>
<td>Instructions</td>
<td>Validations</td>
<td>Goto</td>
<td>Notes</td>
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<td>-------------------------------------------------------------------------</td>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>H5D5 What was your age when macular degeneration was first diagnosed?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69 Units: years</td>
<td>Goto Y6AB</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>H5E6 Which eye(s) are affected by the other serious eye condition?</td>
<td>SELECT one of 3 from 1 : Right eye 2 : Left eye 3 : Both eyes</td>
<td></td>
<td>Goto FUNC()</td>
<td></td>
</tr>
<tr>
<td>H5D6 What was your age when the other serious eye condition was first</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69 Units: years</td>
<td>Goto Y6AB</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>Y6AB Do you wear sun protection (e.g. sunscreen lotion, hat) when you</td>
<td>SELECT one of 7 from 1 : Never/rarely 2 : Sometimes 3 : Most of the time 4:</td>
<td></td>
<td>Goto Y6AC</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>spend time outdoors in the summer?</td>
<td>Always 5 : Do not go out in sunshine -1 : Do not know -3 : Prefer not to answer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y6AC How many times a year would you use a solarium or sunlamp?</td>
<td>Enter INTEGER OR -10 : Less than once a year OR -1 : Do not know OR</td>
<td>Require: ≤ 9999 Expect: ≤ 400</td>
<td>Goto H7C</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td></td>
<td>Question</td>
<td>Options</td>
<td>Requirement</td>
<td>Goto</td>
</tr>
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</tr>
</tbody>
</table>
| H7C | Do you have any of the following? (You can select more than one answer) | TOGGLE of 8 choices  
1 : Mouth ulcers  
2 : Painful gums  
3 : Bleeding gums  
4 : Loose teeth  
5 : Toothache  
6 : Dentures  
-7 : None of the above  
-3 : Prefer not to answer | Require  1 choice  
-7 : is exclusive  
-3 : is exclusive | H8   | Answer this question thinking about the past year.                                             |
| H8  | In the last year have you had any falls?                                | SELECT one of 4 from  
1 : No falls  
2 : Only one fall  
3 : More than one fall  
-3 : Prefer not to answer |                           | H9   |                                                                                                  |
| H9  | Compared with one year ago, has your weight changed?                    | SELECT one of 5 from  
0   : No - weigh about the same  
2   : Yes - gained weight  
3   : Yes - lost weight  
-1  : Do not know  
-3  : Prefer not to answer |                           | SY2  |                                                                                                  |
| SY2 | In the last year have you ever had wheeze or whistling in the chest?    | SELECT one of 4 from  
1   : Yes  
0   : No  
-1  : Do not know  
-3  : Prefer not to answer |                           | SY3  |                                                                                                  |
| SY3 | Do you get short of breath walking with                                 | SELECT one of 4 from  
0 : No  
-1 : Do not know  
-3 : Prefer not to answer |                           | SY4  |                                                                                                  |
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<tr>
<th>Question</th>
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<th>Next Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you get a pain in either leg on walking?</td>
<td>Select one of 4 from 1: Yes, 0: No, -1: Do not know, -3: Prefer not to answer</td>
<td>Default SY5 except: 1: SY4A</td>
</tr>
<tr>
<td>Does this pain ever begin when you are standing still or sitting?</td>
<td>Select one of 4 from 1: Yes, 0: No, -1: Do not know, -3: Prefer not to answer</td>
<td>Goto SY4B</td>
</tr>
<tr>
<td>Do you get this pain in your calf (calves)?</td>
<td>Select one of 4 from 1: Yes, 0: No, -1: Do not know, -3: Prefer not to answer</td>
<td>Goto SY4C</td>
</tr>
<tr>
<td>Do you get pain when you walk uphill or hurry?</td>
<td>Select one of 4 from 1: Yes, 0: No, -1: Do not know, -3: Prefer not to answer</td>
<td>Goto SY4D</td>
</tr>
<tr>
<td>Do you get pain when you walk at an ordinary pace on the level?</td>
<td>Select one of 4 from 1: Yes, 0: No, -1: Do not know</td>
<td>Default SY4F except: 1: SY4E</td>
</tr>
<tr>
<td>Question</td>
<td>Options</td>
<td>Code</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
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<td>-------------------------------------------</td>
</tr>
</tbody>
</table>
| Does the pain you get while walking ever disappear when you continue walking?                                                              | SELECT one of 4 from  
1 : Yes  
0 : No  
-1 : Do not know  
-3 : Prefer not to answer                                                  |                                           | SY4F     |
| What do you do if you get pain when you are walking?                                                                                     | SELECT one of 5 from  
1 : Stop  
2 : Slow down  
3 : Continue at same pace  
-1 : Do not know  
-3 : Prefer not to answer                                                  |                                           | SY4G     |
| What happens to the pain you get while walking if you stand still?                                                                         | SELECT one of 4 from  
1 : Pain usually continues for more than 10 minutes  
2 : Pain usually disappears in less than 10 minutes  
-1 : Do not know  
-3 : Prefer not to answer                                                  |                                           | SY4H     |
| Have you ever had surgery on the arteries of your legs (other than for varicose veins)?                                                   | SELECT one of 4 from  
1 : Yes  
0 : No  
-1 : Do not know  
-3 : Prefer not to answer                                                  |                                           | SY4I     |
| Have you ever had surgery to remove any of the following?                                                                                 | SELECT one of 6 from  
0 : No  
1 : Yes, toes                                                             |                                           | SY5      |
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<p>| | | |</p>
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<tr>
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</thead>
</table>
|   |   | 2 : Yes, leg below the knee  
|   |   | 3 : Yes, leg above the knee   
|   |   | -1 : Do not know  
|   |   | -3 : Prefer not to answer  

<table>
<thead>
<tr>
<th>SY5</th>
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</thead>
</table>
|     | In the last month have you experienced any of the following that interfered with your usual activities? (You can select more than one answer) | TOGGLE of 10 choices  
|     |   | 1 : Headache  
|     |   | 2 : Facial pain  
|     |   | 3 : Neck or shoulder pain  
|     |   | 4 : Back pain  
|     |   | 5 : Stomach or abdominal pain  
|     |   | 6 : Hip pain  
|     |   | 7 : Knee pain  
|     |   | 8 : Pain all over the body  
|   |   | -7 : None of the above  
|   |   | -3 : Prefer not to answer  
|   |   | Require ≥1 choices  
|   |   | 8 : is exclusive  
|   |   | -7 : is exclusive  
|   |   | -3 : is exclusive  
|   |   | Goto SY1  

<table>
<thead>
<tr>
<th>SY5B1</th>
<th></th>
<th></th>
</tr>
</thead>
</table>
|     | Have you had headaches for more than 3 months? | SELECT one of 4 from  
|     |   | 1 : Yes  
|     |   | 0 : No  
|     |   | -1 : Do not know  
|     |   | -3 : Prefer not to answer  
|   |   | Goto SY1  

<table>
<thead>
<tr>
<th>SY5B2</th>
<th></th>
<th></th>
</tr>
</thead>
</table>
|     | Have you had facial pains for more than 3 months? | SELECT one of 4 from  
|     |   | 1 : Yes  
|     |   | 0 : No  
|     |   | -1 : Do not know  
|     |   | -3 : Prefer not to answer  
|   |   | Goto SY1  

<table>
<thead>
<tr>
<th>SY5B3</th>
<th></th>
<th></th>
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</thead>
</table>
|     | Have you had neck or shoulder pains for more than 3 months? | SELECT one of 4 from  
|     |   | 1 : Yes  
|   |   | Goto SY1  

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<th>Details</th>
<th>Options</th>
<th>Action</th>
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<tbody>
<tr>
<td>SY5B4</td>
<td>Have you had back pains for more than 3 months?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto SY1</td>
</tr>
<tr>
<td>SY5B5</td>
<td>Have you had stomach or abdominal pains for more than 3 months?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto SY1</td>
</tr>
<tr>
<td>SY5B6</td>
<td>Have you had hip pains for more than 3 months?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto SY1</td>
</tr>
<tr>
<td>SY5B7</td>
<td>Have you had knee pains for more than 3 months?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto SY1</td>
</tr>
<tr>
<td>SY5B8</td>
<td>Have you had pains all over the body for more than 3 months?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto SY1</td>
</tr>
</tbody>
</table>
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<th>Default Answer</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SY1  Do you ever have any pain or discomfort in your chest?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Default H10 except: 1 : SY1A</td>
<td></td>
</tr>
<tr>
<td>SY1A Do you get this pain or discomfort when you walk at an ordinary pace on the level?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Unable to walk on the level -3 : Prefer not to answer</td>
<td>Default H10 except: 1 : SY1C 0 : SY1B</td>
<td></td>
</tr>
<tr>
<td>SY1B Do you get this pain or discomfort when you walk uphill or hurry?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Unable to walk up hills or to hurry -3 : Prefer not to answer</td>
<td>Default H10 except: 1 : SY1C</td>
<td></td>
</tr>
<tr>
<td>SY1C Does this chest pain go away when you stand still?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Goto H10</td>
<td>[NULL]</td>
</tr>
<tr>
<td>H10 Have you ever had a screening test for bowel (colorectal) cancer?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Default FUNC() except: 1 : H10A</td>
<td>Screening tests for bowel or colorectal cancer include: - FOBT (faecal occult blood test) - this is when you are given a set of cards and asked to smear a part of your stool on three separate occasions onto the cards and then return the cards to be tested for blood.</td>
</tr>
</tbody>
</table>

Default FUNC() for other H10s
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- Sigmoidoscopy - a tube is used to examine the lower bowel. This is usually done in a doctor's office without pain relief.
- Colonoscopy - a long tube is used to examine the whole large bowel; you would usually have to drink a large amount of special liquid to prepare the bowel, and you would be given a sedative medication for the procedure.

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<tr>
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<th>Require:</th>
<th>Default</th>
<th>Goto</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>H10A How many years ago was the most recent one of these tests?</td>
<td>Enter INTEGER OR -10: Less than 1 year ago OR -1: Do not know OR -3: Prefer not to answer</td>
<td>≥ 0, ≤ 124 Expect: ≤ 20 Units: years</td>
<td>Func()</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>MH2 Have you ever had a blood test for prostate cancer (prostate specific antigen or PSA test)?</td>
<td>SELECT one of 4 from 1: Yes, 0: No, -1: Do not know, -3: Prefer not to answer</td>
<td>Default MH4 except: 1: MH3</td>
<td>MH4</td>
<td>If you are unsure, select Do not know.</td>
<td></td>
</tr>
<tr>
<td>MH3 How many years ago was your last test?</td>
<td>Enter INTEGER OR -10: Less than a year ago OR -1: Do not know OR -3: Prefer not to answer</td>
<td>≥ 0, ≤ 114 Expect: ≤ 20 Units: years</td>
<td>MH4</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>MH4 When did you start to grow facial hair?</td>
<td>SELECT one of 5 from 1: Younger than average, 2: About average age</td>
<td></td>
<td>MH5</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
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<tr>
<th>Question</th>
<th>Options</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MH5 When did your voice break?</td>
<td>SELECT one of 5 from 1: Younger than average 2: About average age 3: Older than average -1: Do not know -3: Prefer not to answer</td>
<td>Goto MH6 If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>MH6 Which of the following best describes your hair/balding pattern?</td>
<td>SELECT one of 6 from 1: Pattern 1 2: Pattern 2 3: Pattern 3 4: Pattern 4 -1: Do not know -3: Prefer not to answer</td>
<td>Goto MH7 If you are unsure, please provide an estimate or select Do not know. [Illustrations presented in this question have been adapted from Giles et al. 2002 Cancer Epidemiol Biomarkers Prev]</td>
</tr>
<tr>
<td>MH7 How many children have you fathered?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer Require: ≥ 0, ≤ 200 Expect: ≤ 15</td>
<td>Goto OP1M If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>FH7 Have you ever been for breast cancer screening (a mammogram)?</td>
<td>SELECT one of 4 from 1: Yes 0: No -1: Do not know -3: Prefer not to answer</td>
<td>Default FH8 except: 1: FH7A</td>
</tr>
<tr>
<td>FH7A How many years ago was your last screen?</td>
<td>Enter INTEGER OR -10: Less than 1 year ago Require: ≥ 0, ≤ 114 Expect: ≤ 15</td>
<td>Goto FH8 If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>Step</td>
<td>Question</td>
<td>Options Provided</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>FH8</td>
<td>Have you ever had a cervical smear test?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
</tr>
<tr>
<td>FH8B</td>
<td>How many years ago was your last cervical smear test?</td>
<td>Enter INTEGER OR -10 : Less than a year ago OR -1 : Do not know OR -3 : Prefer not to answer</td>
</tr>
<tr>
<td>FH1</td>
<td>How old were you when your periods started?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
</tr>
<tr>
<td>FH2</td>
<td>Have you had your menopause (periods stopped)?</td>
<td>SELECT one of 5 from 1 : Yes 0 : No 2 : Not sure - had a hysterectomy 3 : Not sure - other reason -3 : Prefer not to answer</td>
</tr>
<tr>
<td>FH2A</td>
<td>How old were you when your periods stopped?</td>
<td>Enter INTEGER OR -1 : Do not know</td>
</tr>
<tr>
<td>Question</td>
<td>Type</td>
<td>Options</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
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<td>----------------------------------------------</td>
</tr>
<tr>
<td>How many days since your last menstrual period?</td>
<td>Enter INTEGER</td>
<td>OR</td>
</tr>
<tr>
<td>How many days is your usual menstrual cycle? (The number of days between each menstrual period)</td>
<td>Enter INTEGER</td>
<td>OR</td>
</tr>
<tr>
<td>Are you menstruating today? (We are asking this as it may affect the urine sample that you have been asked to provide)</td>
<td>SELECT one from</td>
<td>1: Yes, 0: No, -1: Do not know, -3: Prefer not to answer</td>
</tr>
<tr>
<td>How many children have you given birth to? (Please include live births only)</td>
<td>Enter INTEGER</td>
<td>OR</td>
</tr>
<tr>
<td>What was the birth weight of your first child in pounds? (do not include twins)</td>
<td>Enter INTEGER</td>
<td>OR</td>
</tr>
<tr>
<td></td>
<td>-1: Do not know, -2: Only had twins, -3: Prefer not to answer</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: 907, 3: 1361, 4: 1814, 5: 2268</td>
</tr>
</tbody>
</table>
An exact answer is not necessary. Please enter the birth weight to the closest pound. If your first birth was twins or other multiple birth, enter the birth weight of the first singleton birth. If you have only had twins or other multiple births then select Only twins.

<table>
<thead>
<tr>
<th></th>
<th>Birth Weight (pounds)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>2721</td>
<td>2.72</td>
</tr>
<tr>
<td>7</td>
<td>3175</td>
<td>3.18</td>
</tr>
<tr>
<td>8</td>
<td>3629</td>
<td>3.63</td>
</tr>
<tr>
<td>9</td>
<td>4082</td>
<td>4.08</td>
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<tr>
<td>10</td>
<td>4536</td>
<td>4.54</td>
</tr>
<tr>
<td>11</td>
<td>4990</td>
<td>4.99</td>
</tr>
<tr>
<td>12</td>
<td>5443</td>
<td>5.44</td>
</tr>
<tr>
<td>13</td>
<td>5897</td>
<td>5.90</td>
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<tr>
<td>14</td>
<td>6350</td>
<td>6.35</td>
</tr>
<tr>
<td>15</td>
<td>6804</td>
<td>6.80</td>
</tr>
</tbody>
</table>

**FH3B**  How old were you when you had your child?

Enter INTEGER OR
-4 : Do not remember
OR
-3 : Prefer not to answer

Require: ≥ 8, ≥ FUNC, ≤ 129, ≤ 65
Expect: ≥ 12, ≤ 48, ≤ FUNC
Units: years

Goto FH4

**FH3C**  How old were you when you had your FIRST child?

Enter INTEGER OR
-4 : Do not remember
OR
-3 : Prefer not to answer

Require: ≥ 8, ≥ FUNC, ≤ 65, ≤ 129
Expect: ≥ 12, ≤ 48, ≤ FUNC
Units: years

Goto FH3D

**FH3D**  How old were you when you had your LAST child?

Enter INTEGER OR
-4 : Do not remember
OR

Require: ≥ 8, ≥ FUNC, ≤ 65, ≤ 129
Expect: ≥ 12, ≤
<table>
<thead>
<tr>
<th></th>
<th>Question</th>
<th>Option</th>
<th>Requirement</th>
<th>Goto</th>
</tr>
</thead>
<tbody>
<tr>
<td>FH4</td>
<td>Have you ever had any stillbirths, spontaneous miscarriages or terminations?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>48, ≤ FUNC Units: years</td>
<td>Default FH5 except: 1 : FH4A</td>
</tr>
<tr>
<td>FH4A</td>
<td>How many stillbirths? (enter 0 if none)</td>
<td>Enter INTEGER OR -3 : Prefer not to answer OR -1 : Do not know</td>
<td>Require: ≥ 0, ≤ 15 Expect: ≤ 5 Goto FH4B</td>
<td></td>
</tr>
<tr>
<td>FH4B</td>
<td>How many spontaneous miscarriages? (enter 0 if none)</td>
<td>Enter INTEGER OR -3 : Prefer not to answer OR -1 : Do not know</td>
<td>Require: ≥ 0, ≤ 35 Expect: ≤ 11 Goto FH4C</td>
<td></td>
</tr>
<tr>
<td>FH4C</td>
<td>How many terminations? (enter 0 if none)</td>
<td>Enter INTEGER OR -3 : Prefer not to answer OR -1 : Do not know</td>
<td>Require: ≥ 0, ≤ 35 Expect: ≤ 11 Goto FH5</td>
<td></td>
</tr>
<tr>
<td>FH5</td>
<td>Have you ever taken the contraceptive pill? (include the 'mini-pill')</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>Default FH6 except: 1 : FH5A</td>
<td></td>
</tr>
<tr>
<td>FH5A</td>
<td>About how old were you when you first went on the contraceptive pill?</td>
<td>Enter INTEGER OR -1 : Do not know OR</td>
<td>Require: ≥ 5, ≤ 129 Expect: ≥ 10, ≤ 50 Goto FH5B If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
</tr>
<tr>
<td>Question</td>
<td>Response Options</td>
<td>Units: years</td>
<td>Goto</td>
<td>Notes</td>
</tr>
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<td>-------------------------------------------------------------------------</td>
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<td>-----------------------------------------------------------------------------</td>
<td>------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>FH5B How old were you when you last used the contraceptive pill?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ≥ 5, ≤ 129 Expect: ≥ 10, ≤ 60 Units: years</td>
<td>Goto FH6</td>
<td>If you are currently taking the pill select Still taking the pill. If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>FH6 Have you ever used hormone replacement therapy (HRT)?</td>
<td>SELECT one of 4 from 1: Yes 0: No -1: Do not know -3: Prefer not to answer</td>
<td></td>
<td>Goto FUNC()</td>
<td></td>
</tr>
<tr>
<td>FH6A How old were you when you first used HRT?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: ≥ 16, ≤ 129 Expect: ≥ 35, ≤ 65 Units: years</td>
<td>Goto FH6B</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>FH6B How old were you when you last used HRT?</td>
<td>Enter INTEGER OR -1: Do not know OR -11: Still taking HRT OR -3: Prefer not to answer</td>
<td>Require: ≥ 20, ≤ 129 Expect: ≥ 35, ≤ 65 Units: years</td>
<td>Goto FH9</td>
<td>If you are currently using HRT select Still taking HRT. If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>FH9 Have you had a hysterectomy (womb removed)?</td>
<td>SELECT one of 4 from 1: Yes 0: No -5: Not sure -3: Prefer not to answer</td>
<td>Default FH10 except: 1: FH9A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH9A How old were you when you had your</td>
<td>Enter INTEGER</td>
<td>Require: ≥ 0, ≤</td>
<td>Goto FH10</td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
</tr>
<tr>
<td>Question</td>
<td>Options</td>
<td>Instructions</td>
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<tr>
<td>-------------------------------------------------------------------------</td>
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<td></td>
</tr>
<tr>
<td>Hysterectomy?</td>
<td>OR 1: Do not know, OR 3: Prefer not to answer</td>
<td>129 Expect: ( \geq 35, \geq \text{FUNC}, \leq 69 ) Units: years estimate or select Do not know.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH10 Have you had BOTH ovaries removed?</td>
<td>SELECT one of 4 from 1: Yes, 0: No, -5: Not sure, -3: Prefer not to answer</td>
<td>Default OP1W except: 1: FH10A Only enter Yes if you have had both ovaries removed. If you have only had one ovary removed you will be able to let the interviewer know later in the visit. If you are unsure of whether both ovaries have been removed, select Do not know.</td>
<td></td>
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</tr>
<tr>
<td>FH10A How old were you when you had BOTH ovaries removed?</td>
<td>Enter INTEGER OR 1: Do not know OR 3: Prefer not to answer</td>
<td>Require: ( \geq 0, \leq 129 ) Expect: ( \geq 35, \leq 69 ) Units: years Goto OP1W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OP1M Have you had any major operations?</td>
<td>SELECT one of 4 from 1: Yes - you will be asked about this later by an interviewer, 0: No, -1: Do not know, -3: Prefer not to answer</td>
<td>Goto L1 If you are unsure if you have had a 'major' operation select Do not know and you will be asked about this by an interviewer later during this visit.</td>
<td></td>
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</tr>
<tr>
<td>OP1W Have you had any other major operations?</td>
<td>SELECT one of 4 from 1: Yes - you will be asked about this later by an interviewer, 0: No, -1: Do not know, -3: Prefer not to answer</td>
<td>Goto L1 If you are unsure if you have had a 'major' operation select Do not know and you will be asked about this by an interviewer later during this visit.</td>
<td></td>
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</tr>
<tr>
<td>L1 Has a doctor ever told you that you have had any of the following conditions? (You TOGGLE of 6 choices)</td>
<td>Require ( \geq 1 ) Goto L2 If you do not know if you have had any of the listed conditions, enter None of</td>
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<td></td>
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<tr>
<td>can select more than one answer)</td>
<td>1 : Heart attack</td>
<td>choices -7 : is exclusive</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 : Angina</td>
<td>-3 : is exclusive</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 : Stroke</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 : High blood pressure</td>
<td></td>
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<td></td>
<td>5 : None of the above</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>-7 : Prefer not to answer</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>7 : None of the above</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 : Prefer not to answer</td>
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<tr>
<td>the above. You can check this with an interviewer later in the visit.</td>
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</tr>
<tr>
<td>L1A1</td>
<td>What was your age when the heart attack was first diagnosed?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69 Units: years</td>
<td>Goto L2</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
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</tr>
<tr>
<td>L1A2</td>
<td>What was your age when the angina was first diagnosed?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69 Units: years</td>
<td>Goto L2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
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</tr>
<tr>
<td>L1A3</td>
<td>What was your age when the stroke was first diagnosed?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69 Units: years</td>
<td>Goto L2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L1A4</td>
<td>What was your age when the high blood pressure was first diagnosed?</td>
<td>Enter INTEGER OR -1 : Do not know OR -3 : Prefer not to answer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Require: ≥ 0, ≤ 129 Expect: ≥ 40, ≤ 69 Units: years</td>
<td>Goto L2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L2</td>
<td>Has a doctor ever told you that you have had any of the following conditions? (You can select more than one answer)</td>
<td>TOGGLE of 7 choices -7 : is exclusive</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 : Blood clot in the leg (DVT)</td>
<td>-3 : is exclusive</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>7 : Blood clot in the lung</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>6 : Emphysema/chronic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Require ≥1 choices</td>
<td>Goto L3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>If you do not know if you have had any of the listed conditions, enter None of the above. You can check this with an interviewer later in the visit.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L2A5</td>
<td>What was your age when the blood clot in the leg (DVT) was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: $\geq 0$, $\leq 129$ Expect: $\geq 40$, $\leq 69$ Units: years</td>
<td>Goto L3</td>
</tr>
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</tr>
<tr>
<td>L2A7</td>
<td>What was your age when the blood clot in the lung was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: $\geq 0$, $\leq 129$ Expect: $\geq 40$, $\leq 69$ Units: years</td>
<td>Goto L3</td>
</tr>
<tr>
<td>L2A6</td>
<td>What was your age when the emphysema/chronic bronchitis was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: $\geq 0$, $\leq 129$ Expect: $\geq 40$, $\leq 69$ Units: years</td>
<td>Goto L3</td>
</tr>
<tr>
<td>L2A8</td>
<td>What was your age when the asthma was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: $\geq 0$, $\leq 129$ Expect: $\geq 10$, $\leq 69$ Units: years</td>
<td>Goto L3</td>
</tr>
<tr>
<td>L2A9</td>
<td>What was your age when the hayfever, rhinitis or eczema was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: $\geq 0$, $\leq 129$ Expect: $\geq 10$, $\leq 69$ Units: years</td>
<td>Goto L3</td>
</tr>
<tr>
<td>L3</td>
<td>Has a doctor ever told you that you have</td>
<td>SELECT one of 4 from</td>
<td></td>
<td>Goto L4</td>
</tr>
</tbody>
</table>
### UK Biobank touch-screen questionnaire: final version

<table>
<thead>
<tr>
<th>Question</th>
<th>Option 1</th>
<th>Option 2</th>
<th>Option 3</th>
<th>Option 4</th>
<th>Default</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diabetes?</strong></td>
<td>1: Yes</td>
<td>0: No</td>
<td>-1: Do not know</td>
<td>-3: Prefer not to answer</td>
<td>you had diabetes, select Do not know and you will be asked about this by an interviewer later during this visit.</td>
<td></td>
</tr>
<tr>
<td><strong>L3A</strong> Did you only have diabetes during pregnancy?</td>
<td>SELECT one of 5 from 1: Yes 0: No -2: Not applicable -1: Do not know -3: Prefer not to answer</td>
<td>Default L3B except: 1: L4</td>
<td></td>
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</tr>
<tr>
<td><strong>L3B</strong> What was your age when the diabetes was first diagnosed?</td>
<td>Enter INTEGER OR -1: Do not know OR -3: Prefer not to answer</td>
<td>Require: $\geq 0, \leq 129$ Expect: $\geq 10, \leq 69$ Units: years</td>
<td>Goto L3C If you are unsure, please provide an estimate or select Do not know.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>L3C</strong> Did you start insulin within one year of your diagnosis of diabetes?</td>
<td>SELECT one of 4 from 1: Yes 0: No -1: Do not know -3: Prefer not to answer</td>
<td>Goto L4</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>L4</strong> Has a doctor ever told you that you have had cancer?</td>
<td>SELECT one of 4 from 1: Yes - you will be asked about this later by an interviewer 0: No -1: Do not know -3: Prefer not to answer</td>
<td>Goto L5 If you are unsure if you have been told you had cancer, select Do not know and you will be asked about this by an interviewer later during this visit.</td>
<td></td>
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</tr>
<tr>
<td><strong>L5</strong> Have you fractured/broken any bones in the last 5 years?</td>
<td>SELECT one of 4 from 1: Yes</td>
<td>Default L5C except:</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Question</td>
<td>Response Options</td>
<td>Goto</td>
<td>Notes</td>
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<td>------------------------------------------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Which bones did you fracture/break? (You can select more than one answer)</td>
<td>TOGGLE of 9 choices</td>
<td>L5A</td>
<td>Require ≥1 choices -1 : is exclusive -3 : is exclusive Goto L5B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Did the fracture result from a simple fall (i.e. from standing height)?</td>
<td>SELECT one of 4 from 1 : Yes 0 : No -1 : Do not know -3 : Prefer not to answer</td>
<td>L5B</td>
<td>A simple fall is any fall from standing height or lower. For example if you trip and fall over, this is a simple fall. Falls from a stool or chair that you are sitting on are also counted as simple. Falls from anything higher ie: down a flight of stairs, from a ladder, from standing on a stool or chair are NOT simple falls. If you have had more than one fracture in the last 5 years, select YES if any one of the fractures resulted from a simple fall. Goto L5C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Has a doctor ever told you that you have had any other serious medical conditions or disabilities?</td>
<td>SELECT one of 4 from 1 : Yes - you will be asked about this later by an interviewer 0 : No</td>
<td>L5C</td>
<td>If you are not sure if you have a serious illness or you are not sure that you have had one of the conditions listed previously, enter Do not know and you will be asked about this by an interviewer later in this visit. Goto L6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### L5DM
Do you regularly take any of the following medications? (you can select more than one answer)

-1 : Do not know  
-3 : Prefer not to answer

<table>
<thead>
<tr>
<th>TOGGLE of 6 choices</th>
<th>Require ≥1 choices</th>
<th>Goto L6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 : Cholesterol lowering medication</td>
<td>-7 : is exclusive</td>
<td>If you are not sure if you take any of the types of medications, enter Do not know. You will be asked to provide all of the medications that you take later in the visit.</td>
</tr>
<tr>
<td>2 : Blood pressure medication</td>
<td>-1 : is exclusive</td>
<td></td>
</tr>
<tr>
<td>3 : Insulin</td>
<td>-3 : is exclusive</td>
<td></td>
</tr>
<tr>
<td>-7 : None of the above</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-1 : Do not know</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-3 : Prefer not to answer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Goto L6C

### L5DF
Do you regularly take any of the following medications? (You can select more than one answer)

-1 : Do not know  
-3 : Prefer not to answer

<table>
<thead>
<tr>
<th>TOGGLE of 8 choices</th>
<th>Require ≥1 choices</th>
<th>Goto L6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 : Cholesterol lowering medication</td>
<td>-7 : is exclusive</td>
<td>If you are not sure if you take any of the types of medications, enter Do not know. You will be asked to provide all of the medications that you take later in the visit.</td>
</tr>
<tr>
<td>2 : Blood pressure medication</td>
<td>-1 : is exclusive</td>
<td></td>
</tr>
<tr>
<td>3 : Insulin</td>
<td>-3 : is exclusive</td>
<td></td>
</tr>
<tr>
<td>4 : Hormone replacement therapy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 : Oral contraceptive pill or minipill</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-7 : None of the above</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-1 : Do not know</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-3 : Prefer not to answer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### L6
Do you regularly take any other PRESCRIPTION medications? (Do not forget medications such as puffers or patches)

-1 : Yes - you will be asked about this later by an interviewer  
0 : No

Goto L6C
### L6C

<table>
<thead>
<tr>
<th>Do you regularly take any of the following? (You can select more than one answer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1: Do not know</td>
</tr>
<tr>
<td>TOGGLE of 9 choices</td>
</tr>
<tr>
<td>1: Aspirin</td>
</tr>
<tr>
<td>2: Ibuprofen (e.g. Nurofen)</td>
</tr>
<tr>
<td>3: Paracetamol</td>
</tr>
<tr>
<td>4: Ranitidine (e.g. Zantac)</td>
</tr>
<tr>
<td>5: Omeprazole (e.g. Zanprol)</td>
</tr>
<tr>
<td>6: Laxatives (e.g. Dulcolax, Senokot)</td>
</tr>
<tr>
<td>-7: None of the above</td>
</tr>
<tr>
<td>-1: Do not know</td>
</tr>
<tr>
<td>-3: Prefer not to answer</td>
</tr>
</tbody>
</table>

Require ≥1 choices
-7: is exclusive
-1: is exclusive
-3: is exclusive
Goto L7

Some over the counter medicines are known by other names. Please enter the corresponding name if you take any of the following REGULARLY (that is, most days of the week for the last 4 weeks):

Aspirin: Alka Rapid Crystals, Alka-Seltzer XS, Anadin Extra, Anadin Original, Askit powders, Aspro Clear, Codis 500, Disprin, Disprin Extra

Ibuprofen: Anadin Ultra, Anadin Ibuprofen, Cuprofen Plus, Nurofen, Solpaflex, Ibuleve

Paracetamol: Anadin Extra, Hedex Extra, Panadol, Paracodol, Paramol, Solpadeine, Syndol, Veganin, Feminax, Midrid, Migraleve

Codeine: Codis 500, Cuprofen Plus, Nurofen Plus, Panadol Ultra, Paracodol, Paramol, Solpadeine Max, Solpadeine Plus, Solpafex, Syndol, Veganin, Feminax, Migraleve

### L7

<table>
<thead>
<tr>
<th>Do you regularly take any of the following? (You can select more than one answer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1: Do not know</td>
</tr>
<tr>
<td>TOGGLE of 9 choices</td>
</tr>
<tr>
<td>1: Vitamin A</td>
</tr>
<tr>
<td>2: Vitamin B</td>
</tr>
<tr>
<td>3: Vitamin C</td>
</tr>
<tr>
<td>4: Vitamin D</td>
</tr>
</tbody>
</table>

Require ≥1 choices
-7: is exclusive
-3: is exclusive
Goto L7A
<table>
<thead>
<tr>
<th>Column</th>
<th>Question</th>
<th>Options</th>
<th>Instructions</th>
</tr>
</thead>
</table>
| L7A             | Do you regularly take any of the following? (You can select more than one answer) | 1: Fish oil (including cod liver oil)  
2: Glucosamine  
3: Calcium  
4: Zinc  
5: Iron  
6: Selenium  
-7: None of the above  
-3: Prefer not to answer | Require ≥1 choices  
-7: is exclusive  
-3: is exclusive | Goto H_INTRO |
| H_INTRO         | We would now like find out about your hearing | INFO | Goto H6 |
| H6              | Do you have any difficulty with your hearing? | SELECT one of 5 from  
1: Yes  
0: No  
99: I am completely deaf  
-1: Do not know  
-3: Prefer not to answer | Default H7  
except:  
99: F1 | |
| H7              | Do you find it difficult to follow a conversation if there is background noise (such as TV, radio, children playing)? | SELECT one of 4 from  
1: Yes  
0: No  
-1: Do not know | Goto H7A |
<table>
<thead>
<tr>
<th></th>
<th>Question</th>
<th>Option 1</th>
<th>Option 2</th>
<th>Option 3</th>
<th>Goto</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7A</td>
<td>Do you use a hearing aid most of the time?</td>
<td>SELECT one of 3 from 1 : Yes 0 : No -3 : Prefer not to answer</td>
<td></td>
<td>Goto H7B</td>
<td></td>
</tr>
<tr>
<td>H7B</td>
<td>Do you have a cochlear implant?</td>
<td>SELECT one of 3 from 1 : Yes 0 : No -3 : Prefer not to answer</td>
<td></td>
<td>Goto H11</td>
<td></td>
</tr>
<tr>
<td>H11</td>
<td>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 of 7 from 1 : Yes, now most or all of the time 1 : Yes, now a lot of the time 2 1 : Yes, now some of the time 3 1 : Yes, but not now, but have in the past 4 : No, never 0 : Do not know -1 : Do not know -3 : Prefer not to answer</td>
<td></td>
<td>Default H12 except: 11 : H11A 12 : H11A 13 : H11A 14 : H11A</td>
<td></td>
</tr>
<tr>
<td>H11A</td>
<td>How much do these noises worry, annoy or upset you when they are at their worst?</td>
<td>SELECT one of 6 from 11 : Severely 12 : Moderately 13 : Slightly 4 : Not at all -1 : Do not know -3 : Prefer not to answer</td>
<td></td>
<td>Goto H12</td>
<td></td>
</tr>
<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 of 6 from 11: Yes, for more than 5 years 12: Yes, for around 1-5 years 13: Yes, for less than a year 0: No -1: Do not know -3: Prefer not to answer</td>
<td>Goto H13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------</td>
<td></td>
<td></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 of 6 from 11: Yes, for more than 5 years 12: Yes, for around 1-5 years 13: Yes, for less than a year 0: No -1: Do not know -3: Prefer not to answer</td>
<td>Goto F1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1</td>
<td>Do you play computer games?</td>
<td>SELECT one of 4 from 0: Never/rarely 1: Sometimes 2: Often -3: Prefer not to answer</td>
<td>Goto FINISH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FINISH</td>
<td>Thank you. You have now completed the touch screen questions.</td>
<td>INFO</td>
<td>Goto FUNC()</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HT_CANDO</td>
<td>We would now like to measure your hearing using the headphones provided.</td>
<td>SELECT one of 4 from 0: Never/rarely 1: Sometimes 2: Often -3: Prefer not to answer</td>
<td>Default HT_FIRST</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Are you happy to do this?

(If you are wearing a hearing aid, please remove it before putting the headphones on. If you cannot find the headphones, or need assistance putting them on, then please ask a member of staff.)

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>1</td>
<td>I can only hear on the right side</td>
</tr>
<tr>
<td>1</td>
<td>I can only hear on the left side</td>
</tr>
<tr>
<td>0</td>
<td>No, I am unable to do this</td>
</tr>
</tbody>
</table>

### HT_FIRST

Touch the Back button if you want to watch the instruction video again.

Remember, whenever the numbers are unclear to you, just guess.

Please ensure you have the Red tagged ear-piece on your Right-side ear. If you have any problems with the headphones, please ask a member of staff for assistance.

When you are wearing the headphones, touch Next.

### HT_OTHER

Now we would like to measure your hearing on the other side

When you are wearing the headphones, touch Next

### HT_END

Thank you. The hearing test is now complete.

Please remove the headphones.

### COG_INIT

Now we would like to check your memory and reaction times by getting you to play some short games

SELECT one of 2 from

1: Begin games
2: I am unable to try this
At the end of the games we will show you four coloured symbols and ask you to touch the Blue Square. However, to test your memory, we want you to actually touch the Orange Circle instead.

First, we'd like you to play 2 games of Pairs

In this section you will be shown a set of picture cards. Please try to remember as many of them as you can.

The pictures will then be turned over. Please identify each pair of pictures by touching them on the screen. Please continue until all the pairs have been correctly identified.

Press 'Next' for a short video demonstration.

Touch the Back button if you want to watch the instruction video again.

The first game will have 3 pairs.

When you're ready to begin, touch the Next button.

In the next section you will be shown 6 pairs of cards. Please identify the pairs again by touching the screen.
Press Next when you are ready to begin
This game will have 6 pairs of cards.

**FL_INTRO**
In this next game you will have two minutes to do as many puzzle questions as possible.
Don’t spend too long on any one puzzle - you can skip any puzzle if you wish.

**FL_1**
Add the following numbers together: 1 2 3 4 5 – is the answer?

**FL_2**
Which number is the largest?

**FL_3**
Bud is to Flower as Child is to?
<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
<th>Branch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FI_4</strong> 11 12 13 14 15 16 17 18 Divide the sixth number to the right of twelve by three. Is the answer?</td>
<td>SELECT one of 6 from 5 : 5, 6 : 6, 7 : 7, 8 : 8, -1 : Do not know, -3 : Prefer not to answer</td>
<td>Branch</td>
</tr>
<tr>
<td><strong>FI_5</strong> If Truda’s mother’s brother is Tim’s sister’s father, what relation is Truda to Tim?</td>
<td>SELECT one of 7 from 1 : Aunt, 2 : Sister, 3 : Niece, 4 : Cousin, 5 : No relation, -1 : Do not know, -3 : Prefer not to answer</td>
<td>Branch</td>
</tr>
<tr>
<td><strong>FI_6</strong> 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>SELECT one of 7 from 68 : 68, 69 : 69, 70 : 70, 71 : 71, 72 : 72, -1 : Do not know, -3 : Prefer not to answer</td>
<td>Branch</td>
</tr>
<tr>
<td><strong>FI_7</strong> Stop means the same as?</td>
<td>SELECT one of 7 from</td>
<td>Branch</td>
</tr>
</tbody>
</table>
UK Biobank touch-screen questionnaire: final version

<table>
<thead>
<tr>
<th>FL_8</th>
<th>If David is twenty-one and Owen is nineteen and Daniel is nine years younger than David, what is half their combined age?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SELECT one of 7 from 25 : 25, 26 : 26, 27 : 27, 28 : 28, 29 : 29, -1 : Do not know, -3 : Prefer not to answer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FL_9</th>
<th>Age is to Years as Height is to?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SELECT one of 7 from 1 : Long, 2 : Deep, 3 : Top, 4 : Metres, 5 : Tall, -1 : Do not know, -3 : Prefer not to answer</td>
</tr>
<tr>
<td></td>
<td>Branch 1 : FUNC(), 2 : FUNC(), 3 : FUNC(), 4 : FUNC(), 5 : FUNC(), -1 : FUNC(), -3 : FUNC()</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FL_10</th>
<th>150 ... 137 ... 125 ... 114 ... 104 ... What comes next?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SELECT one of 7 from 96 : 96, 95 : 95, 94 : 94, 93 : 93</td>
</tr>
<tr>
<td></td>
<td>Branch 96 : FUNC(), 95 : FUNC(), 94 : FUNC(), 93 : FUNC()</td>
</tr>
</tbody>
</table>
UK Biobank touch-screen questionnaire: final version

<table>
<thead>
<tr>
<th>FL_11</th>
<th>Relaxed means the opposite of?</th>
<th>SELECT one of 7 from</th>
<th>Branch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 : Calm</td>
<td>1 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 : Anxious</td>
<td>2 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 : Cool</td>
<td>3 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 : Worried</td>
<td>4 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 : Tense</td>
<td>5 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1 : Do not know</td>
<td>-1 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td>-3 : FUNC()</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FL_12</th>
<th>100 … 99 … 95 … 86 … 70 … What comes next?</th>
<th>SELECT one of 8 from</th>
<th>Branch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>50 : 50</td>
<td>50 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>49 : 49</td>
<td>49 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>48 : 48</td>
<td>48 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>47 : 47</td>
<td>47 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>46 : 46</td>
<td>46 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45 : 45</td>
<td>45 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1 : Do not know</td>
<td>-1 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td>-3 : FUNC()</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FL_13</th>
<th>If some flinks are plinks and some plinks are stinks then some flinks are definitely stinks?</th>
<th>SELECT one of 6 from</th>
<th>Branch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 : False</td>
<td>1 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 : True</td>
<td>2 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 : Neither true nor false</td>
<td>3 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-5 : Not sure</td>
<td>-5 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-1 : Do not know</td>
<td>-1 : FUNC()</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-3 : Prefer not to answer</td>
<td>-3 : FUNC()</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COG_SNI</th>
<th>Lastly, we'd like you to play Snap!</th>
<th>INFO</th>
<th>Goto</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The final game involves the use of a Button-Box (pictured below), which you should find on the table in front of you. If you cannot see it, please ask a member of staff for assistance.

The aim of this exercise is to record your reaction time. You will be shown two cards at a time. If both cards are the same, then press the button as quickly as possible!

Press Next for a short demonstration video.

<table>
<thead>
<tr>
<th>COG_SNP</th>
<th>Touch the Back button if you want to watch the instruction video again. When you're ready to begin, then touch the Next button and get ready to press the Button-Box. (there will be 12 sets of cards in total)</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM_TEST</td>
<td>That's the last game. Just one more thing left to do...</td>
<td>INFO</td>
</tr>
<tr>
<td>COG_THANK</td>
<td>We hope you enjoyed playing the games! You have now finished this section of the visit. Please contact a member of UK Biobank staff who will explain what is to happen next.</td>
<td>INFO</td>
</tr>
<tr>
<td>TOUCH_ONLY</td>
<td>If you are sure you cannot try the memory and reaction checks, please contact a member of UK Biobank staff who will explain what is to happen next.</td>
<td>INFO</td>
</tr>
<tr>
<td>If you wish to re-consider, please touch the BACK button.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>