

STRICTLY CONFIDENTIAL

MRC NATIONAL SURVEY OF HEALTH AND DEVELOPMENT

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Nurse Home Schedule

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CAPI VERSION for SKYLARK

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Consent

NURSE:

1. Explain purpose of visit
2. Ask if participant has read the information pamphlet
3. Ask if they have any questions about the study

READ OUT: We need to obtain your consent to be interviewed and measured today and to use information collected and at previous times for research. Even having given consent you can still decline to do any part of the interview or examination.

The results of some tests (blood pressure, lung function, anthropometry and bloods) will be sent within 8 weeks.

We will be asking you to consent to send results to your GP which may be useful for your health care and this will be explained at the relevant parts of the examination.

1a. *Are any sections of the general consent form on IPAD not consented to?*

- | | | |
|-------------------|-----|-----------------------------|
| CONFCTR23x | Yes | 1 |
| | No | 0 → go to Q3
(CONHGP23x) |

b. What sections have been not consented to on IPAD?

If the participant does not want their GP to receive results which have an immediate impact on health (Duty of care – GP results), ask them answer the clinical advisor questions on IPAD.

If the participant has does not agree to their GP being sent the other tests (Other measures – GP results), the other tests can still be carried out, but we won't send a report to their GP.

Select all that apply

- | | | |
|---------------------|-------------------------------|--------------|
| CONFCTR23x_1 | Read PIS | 1 → No visit |
| CONFCTR23x_2 | Access to notes | 2 → go to Q3 |
| CONFCTR23x_3 | GP and administration records | 3 → go to Q3 |
| CONFCTR23x_4 | Duty of care – GP results | 4 → go to Q2 |
| CONFCTR23x_5 | DNA and Data sharing | 5 → go to Q3 |
| CONFCTR23x_6 | Data Controller | 6 → No visit |
| CONFCTR23x_7 | GP results and other measures | 7 → go to Q3 |
| CONFCTR23x_8 | Take part in study | 8 → No visit |

2. The participant does not want results sent to GP, ask them to sign the clinical advisor consent questions on the IPAD.

Explain that if this consent is not given, a blood sample cannot be drawn.

Has the clinical advisor consent section been signed?

- | | | |
|------------------|-----|-----------------------------|
| ACONFS23x | Yes | 1 → Bloods can be taken |
| | No | 2 → Bloods cannot be taken. |

3. READ OUT: We may need to obtain additional details about your health from your hospital and GP records.

NURSE: Participant should now read and sign the paper hospital and GP consent form. Then record whether the participant has signed this form

CONHGP23x Hospital and GP consent signed 1 → go to GP details
Hospital and GP consent NOT signed 2 → go to GP details

4. Final outcome for household interview – at age 77 years

Outcome23x 810 – Successful interview
820 – No contact made
830 - Refusal of named person
840 - Proxy refusal
850 - Deceased

Medical review

MEDICATION

1. Are you regularly taking any medicines or tablets prescribed by a doctor?
Yes 1
No 0 *go to end of module*
MEDN23x
2. NURSE: Enter name of medicine or drug. Ask if you can see the containers for all prescribed medicines currently being taken.
medbi23x_1
3. Medication taken (BNF code) **bnf_code23x_1 – bnf_code23x_20**
4. Medication taken (Name) **bnf_name23x_1 – bnf_name23x_20**
5. Medication taken (Strength) **bnf_strength23x_1 – bnf_strength23x_20**
6. Type in the name and all the details you have for this medication
medunc23x_1 – medunc23x_20
7. What is the frequency you take this medication? **medfreq23x_1 – medfreq23x_20**
8. Have you taken this medication in the last 24 hours?
1 Yes
2 No
medlastday23x_1 - medlastday23x_20
9. NURSE CHECK: Any more drugs to enter?
1 Yes → *repeat loop bnf_code to MEDLastDay*
2 No → *go to next question*
medbi23x_2 – medbi23x_20
10. **Total number of medications taken**
numeds23x
11. **Overall, how satisfied are you with your life nowadays, where 0 means 'not at all' and 10 means 'completely'?**
Numeric [range 0 to 10]
SATLIFE23x
12. **How is your health in general?**
1 Excellent
2 Very good
3 Good
4 Fair
5 Poor
GHI23x

Blood Pressure

1. Would you be willing to have your blood pressure taken?
BPCNST23x Yes – 1 → go to Q1b
No 2 → go to Q2a
Unable for health reasons 3 → go to Q2a
Unable, other (eg equipment not available) 4 → go to next module

- 1 (b) If BPCNST23x = 1 Yes – seated and standing or 2 - Seating only
NURSE: Put the blood pressure cuff on the participants left arm and then read out.

READ OUT: I would now like to take your blood pressure.

Previously we have measured blood pressure while you have been seated. For this study, we would like to assess how your blood pressure might change in different positions so we would like to take three measurements while you are sitting, and two measurements while you are standing after you have stood still for 1 and 3 minutes.

First, I am going to leave you to sit for three minutes. During that time you must not read or do anything and your legs are to remain uncrossed. When the time is up I will carry out three recordings with a minute in between them. During this time I will not speak to you and you must not speak to me. I will then ask you to stand up and then take two blood pressure measurements at 1 minute and 3 minutes whilst you are standing still. Once I have completed all of the recordings I will tell you what they are.

The only time I will talk to you is to tell you to stand up.

Would you be willing to have your blood pressure taken seated and standing?
Yes – Seated and standing 1 → go to Q3
Yes- seating only 2 → go to Q2b then 3
No – Not taken 3 → go to Q2a
BPSTSTAN23x

2. (2a) IF BPCNST23x = 2 (No) OR 3 (Unable for health reasons) Or
BPSTSTAN23x = 3
NURSE: Please record the reason why participant is unable/unwilling: → go to next module
BPCNSTR23x

-
2. (2b) IF BPSTSTAN23x = 2
NURSE: Please record the reason why participant is unable/unwilling to have their standing blood pressure taken: → go to 3 but do not ask for standing blood pressures
BPCNSTRSTAN23x

3. IF BPSTSTAN23x = 1 or 2
NURSE: Enter ambient room temperature in Celsius to the nearest degree.

Any measure with a .5 or over should be rounded up. Any measure with a .4 or under should be rounded down (e.g. 24.5 = 25 and 24.4 = 24).

RTEMP23x

Soft check if value above 40 or below 10. "NURSE: Please confirm, outside expected range"

If good measurement at any seated blood pressure **bpifgoodseated23x**

1. Yes
2. No

If 999 at any seated blood pressure **bpif999seated23x**

1. Yes
2. No

If good measurement at any standing blood pressure **bpifgoodstanding23x**

1. Yes
2. No

If 999 at any standing blood pressure **bpif999standing23x**

1. Yes
2. No

4. IF BP STSTAN23 = 1 or 2

Blood pressure reading

a. First reading:

(left arm)

NURSE: Enter the reading for systolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 240 (and not 999) or below 65. "NURSE: Systolic reading should be between 65 and 240 or 999."

SBP123x

First reading:

(left arm)

NURSE: Enter the reading for diastolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 125 (and not 999) or below 30. "NURSE: Diastolic reading should be between 30 and 125 or 999."

Soft check if value above SBP123 value. "NURSE: The systolic reading must be greater than the diastolic reading."

DBP123x

First reading:

(left arm)

NURSE: Take pulse and enter reading.

If successful reading not obtained enter 999.

Soft check if value above 135 (and not 999) or below 20. "NURSE: Pulse reading should be between 20 and 135 or 999."

PULSE123x

- b. IF BPSTSTAN23 = 1 or 2

Second reading:

(left arm)

NURSE: Enter the reading for systolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 240 (and not 999) or below 65. "NURSE: Systolic reading should be between 65 and 240 or 999."

SBP223x

Second reading:

(left arm)

NURSE: Enter the reading for diastolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 125 (and not 999) or below 30. "NURSE: Diastolic reading should be between 30 and 125 or 999."

Soft check if value above SBP223 value. "NURSE: The systolic reading must be greater than the diastolic reading."

DBP223x

Second reading:

(left arm)

NURSE: Take pulse and enter reading.

If successful reading not obtained enter 999.

Soft check if value above 135 (and not 999) or below 20. "NURSE: Pulse reading should be between 20 and 135 or 999."

PULSE223x

- c. IF BP STSTAN23 = 1 or 2

Third reading:

(left arm)

NURSE: Enter the reading for systolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 240 (and not 999) or below 65. "NURSE: Systolic reading should be between 65 and 240 or 999."

SBP323x

Third reading:

(left arm)

NURSE: Enter the reading for diastolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 125 (and not 999) or below 30. "NURSE: Diastolic reading should be between 30 and 125 or 999."

Soft check if value above SBP323 value. "NURSE: The systolic reading must be greater than the diastolic reading."

DBP323x

Third reading:

(left arm)

NURSE: Take pulse and enter reading.

If successful reading not obtained enter 999.

Soft check if value above 135 (and not 999) or below 20. "NURSE: Pulse reading should be between 20 and 135 or 999."

PULSE323x

d. ASK IF (BP STSTAN23 = 1)

STANDING READING:

(1 min - left arm)

NURSE: Enter the reading for systolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 240 (and not 999) or below 65. "NURSE: Systolic reading should be between 65 and 240 or 999."

SBPST123x

STANDING READING:

(1 min - left arm)

NURSE: Enter the reading for diastolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 125 (and not 999) or below 30. "NURSE: Diastolic reading should be between 30 and 125 or 999."

Soft check if value above SBP423 value. "NURSE: The systolic reading must be greater than the diastolic reading."

DBPST123x

STANDING READING:

(1 min - left arm)

NURSE: Take pulse and enter reading.

If successful reading not obtained enter 999.

Soft check if value above 135 (and not 999) or below 20. "NURSE: Pulse reading should be between 20 and 135 or 999."

PULSEST123x

e. ASK IF (BP STSTAN23 = 1)

Second standing reading:

(3min - left arm)

NURSE: Enter the reading for systolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 240 (and not 999) or below 65. "NURSE: Systolic reading should be between 65 and 240 or 999."

SBPST223x

Second standing reading:

(3min - left arm)

NURSE: Enter the reading for diastolic blood pressure.

If successful reading not obtained enter 999.

Soft check if value above 125 (and not 999) or below 30. "NURSE: Diastolic reading should be between 30 and 125 or 999."

Soft check if value above SBP523 value. "NURSE: The systolic reading must be greater than the diastolic reading."

DBPST223x

Second standing reading:

(3min - left arm)

NURSE: Take pulse and enter reading.

If successful reading not obtained enter 999.

Soft check if value above 135 (and not 999) or below 20. "NURSE: Pulse reading should be between 20 and 135 or 999."

PULSEST223x

5. NURSE: What was the outcome of automated blood pressure measurement?
Select all that apply
BPAU23x_1 Usable BP reading obtained 1 → go to Q7
BPAU23x_2 Device error notification 2 → go to Q6
BPAU23x_3 Arrhythmia detected by device 3 → go to Q7
6. **Select the correct device error code received**
Er1, Er2, Er3, Er4, Er5, Er6, Er7, Er8, Er9
BPERR23x
7. **ASK IF 999 in any(SBP123, DBP123, PULSE1, SBP223, DBP223, PULSE2, SBP323, DBP323, PULSE3, SBPST123, DBPST123, PULSEST123, SBPST223, DBPST223, PULSEST223)**
If you could not take all the readings, why was this?
BPDISC23x Participant did not want to continue 1 → go to next module
Participant did not want to stand 2 → go to next module
Device error 3 → go to next module
Other 4 → go to Q8
8. If you could not take all the readings, what was the other reason? **BPDISCO23x**

Progress reporting DVs

{Seated Blood pressure outcome. SEBP_OC23x}

IF (BPCNST23x=2, 3,4,) or (BPSTSTAN23x =3) then SeBP_OC23x=4 'declined/unable'
ELSEIF (BPSTSTAN23x=1,2) and NOT 999 in any of (SBP123x, DBP123x, PULSE123x, SBP223x, DBP223x, PULSE223x, SBP323x, DBP323x, PULSE323x) then
SeBP_OC23x=1 'all three readings taken'
ELSEIF (BPSTSTAN23x=1,2) and 999 *in ANY BUT NOT ALL OF* (SBP123x, DBP123x, PULSE123x, SBP223x, DBP223x, PULSE223x, SBP323x, DBP323x, PULSE323x) then
SeBP_OC23x=2 'not all readings taken'
ELSE IF ALL OF (SBP123x, DBP123x, PULSE123x, SBP223x, DBP223x, PULSE223x, SBP323x, DBP323x, PULSE323x=999) then SeBP_OC23x=3 'No reading taken'

{Standing Blood pressure outcome. STBP_OC23x}

IF (BPCNST23x=2,3,4,) OR (BPSTSTAN23x=2,3) then StBP_OC23x=4 'declined/unable'
ELSEIF (BPSTSTAN23x=1) and NOT 999 in any of (SBPST123x, DBPST123x, PULSEST123x, SBPST223x, DBPST223x, PULSEST223x) then StBP_OC23x=1 'all two readings taken'
ELSEIF (BPSTSTAN23x=1) AND 999 *in ANY BUT NOT ALL OF* (SBPST123x, DBPST123x, PULSEST123x, SBPST223x, DBPST223x, PULSEST223x) then
StBP_OC23x=2 'not all readings taken'
ELSE IF ALL OF (SBPST123x, DBPST123x, PULSEST123x, SBPST223x, DBPST223x, PULSEST223x=999) then StBP_OC23x=3 'No reading taken'

Blood Sample

*If participant has not consented for GP to be sent the results nor for the clinical advisor to contact them - No blood sample to be taken - go to next module
If CONFCTR23_4 = 1 And ACONFS23 = 2 No - go to next module*

Date when started blood sample module

bsdates23x

Time when started blood sample module

bsdatet23x

Time (minutes since midnight when started blood sample module

bsdatetm23x

Have you given a blood sample before?

BSBEF23x

Yes

1→ go to BSPROB23x

No

2→ go to ClotB

Were there any problems (e.g. fainting)?

BSPROB23x

Yes

1→ go to BSPROB23x

No

2→ go to ClotB

Please specify what the problem was **BSPROBR23**

{ASK IF not taking anti-coagulant drugs: ALL DRC<>WARFARIN, SINTHROME, PHENINDIONE, PRADAXA, XARELTO}

CLOTB23x

The next part of my visit is a blood sample. Before I can take blood, I need to ask you a couple of questions and then I will explain what is involved.

May I just check, do you have a clotting or bleeding disorder?

1. Yes
2. No

{ASK IF Respondent does not have a clotting disorder: ClotB23x=2}

FIT23x

May I just check, have you had a fit (including epileptic fit or convulsion) in the last five years?

1. Yes
2. No

BSWILL23x

Would you be willing to have a blood sample taken?

1. Yes
2. No
3. Unable to

{ASK IF respondent is willing to give blood: BSWILL23x = Yes}

SAMPF23x_1

NURSE: Code if the 5ml **ORANGE** tube was filled:

1. Yes, completely filled (over $\frac{3}{4}$)
2. Yes, partially filled (under $\frac{3}{4}$)
3. No

{ASK IF respondent is willing to give blood: BSWILL23x = Yes}

SAMPF23x_2

NURSE: Code if the 5ml **GOLD** tube was filled:

1. Yes, completely filled
2. Yes, partially filled
3. No

{ASK IF respondent is willing to give blood: BSWILL23x = Yes}

SAMPF23x_3

NURSE: Code if the 4ml **SMALL PURPLE** EDTA tube was filled:

1. Yes, completely filled
2. Yes, partially filled
3. No

{ASK IF respondent is willing to give blood: BSWILL23x = Yes}

SAMPF23x_4

NURSE: Code if the 6ml **BIG PURPLE** EDTA tube was filled:

1. Yes, completely filled
2. Yes, partially filled
3. No

{ASK IF respondent is willing to give blood: BSWILL23x = Yes}

SAMPF23x_5

NURSE: Code if the 5ml **WHITE** tube was filled:

1. Yes, completely filled (over $\frac{3}{4}$)
2. Yes, partially filled (under $\frac{3}{4}$)
3. No

{ASK ALL: DERIVED VARIABLE}

SampTak23x

Whether a blood sample was obtained

1. Yes
2. No

COMPUTE:

IF (SAMPF123x = 1 or 2) OR (SAMPF223x = 1 or 2) OR (SAMPF323x = 1 or 2) OR
(SAMPF423x = 1 or 2) OR (SAMPF523x = 1 or 2): SampTak23x=1
IF ELSE: SampTak23x=2

{ASK IF respondent's blood sample obtained: SampTak = 1}

BSArm23x

NURSE: Which arm did you use to take blood?

1. Right
2. Left
3. Both

{ASK IF blood sample was obtained: SampTak=1}

NURSE: Record any problems in taking blood sample.

CODE ALL THAT APPLY.

1. No problem [EXCLUSIVE CODE] **SAMDIF23x_1**
2. Incomplete sample **SAMDIF23x_2**
3. Collapsing / poor veins **SAMDIF23x_3**
4. Second attempt necessary **SAMDIF23x_4**
5. Some blood obtained, but respondent felt faint/fainted **SAMDIF23x_5**
6. Unable to use tourniquet **SAMDIF23x_6**
7. Other (specify at next question) **SAMDIF23x_7**

SOFT CHECK: {IF (orange tube was not filled OR gold tube was not filled OR small EDTA purple tube was not filled OR big EDTA purple tube was not filled OR PPT EDTA white tube was not filled) AND no problem reported taking blood sample: (SampF1 = 2,3 OR SampF2 = 2,3 OR SampF3 = 2,3 OR SampF4 = 2,3 OR SampF5 = 2,3) AND SAMDIF=1}: You should not code 'No problems' as you did not completely fill all applicable tubes. Please amend or explain in a note CTRL+M.

{ASK IF there were other problems obtaining blood sample: SamDif=7}

OTHBDIF23x

NURSE: Give full details of other problem(s) in taking blood sample.

{ASK IF blood samples were not obtained: SampTak=2}

NURSE: Code reason(s) no blood obtained.

CODE ALL THAT APPLY.

1. No suitable or no palpable vein / collapsed veins **NOBSM23x_1**
2. Respondent was too anxious / nervous **NOBSM23x_2**
3. Respondent felt faint / fainted **NOBSM23x_3**
4. Other **NOBSM23x_4**

{ASK IF other reason no blood obtained: NOBSM=4}

OTHNOBSM23x

NURSE: Give full details of reason(s) no blood obtained.

VARLAB: Other reasons for no blood obtained.

{ASK IF respondent is not willing to give blood: BSWill=2,3}

NURSE: Record why blood sample refused.

CODE ALL THAT APPLY.

1. Previous difficulties with venipuncture **REFBSC23x_1**
2. Dislike / fear of needles **REFBSC23x_2**
3. Respondent recently had blood test / health check **REFBSC23x_3**
4. Refused because of current illness **REFBSC23x_4**
5. Worried about HIV or AIDS **REFBSC23x_5**
6. Other **REFBSC23x_6**

{ASK IF other reasons why blood sample refused: REFBSC=6}

OTHREFBS23x

NURSE: Give full details of other reason(s) for refusing blood sample.

VARLAB: Other reason why blood sample was refused.

Blood Sample date – **blood2datein_23x**

Blood Sample time – **blood2timein_23x**

Venepuncture Checklist

{ASK IF attempted to take blood AND not mentioned “No suitable or palpable vein/collapsed vein” OR “Anxious” as reason for not taking blood: TakeSa1 = 1 and NOBSM <> 1 And NOBSM <> 2}

NURSE: Which system did you use to take blood? **VPSYS23x**

1. Vacutainer needle
2. Butterfly needle

{ASK IF attempted to take blood AND not mentioned “No suitable or palpable vein/collapsed vein” OR “Anxious” as reason for not taking blood: TakeSa1 = 1 and NOBSM <> 1 And NOBSM <> 2}

NURSE: Code the skin condition of the arm used. **VPSKIN23x**

1. Skin intact
2. Skin not intact

{ASK IF attempted to take blood AND not mentioned “No suitable or palpable vein/collapsed vein” OR “Anxious” as reason for not taking blood: (TakeSa1 = 1 and (NOBSM <> 1 And NOBSM <> 2))}

NURSE: Did you use an alcohol wipe? **VPALCO23x**

1. Yes

2. No - water-based wipe used
3. No wipe used

{ASK IF no alcohol wipe used: VPALCOx = 2,3}

NURSE: Why was alcohol wipe not used? **VPALCONO23x**

{ASK IF attempted to take blood AND not mentioned “No suitable or palpable vein/collapsed vein” OR “Anxious” as reason for not taking blood: TakeSa1 = 1 and NOBSM <> 1 And NOBSM <> 2}

NURSE: Code the number of attempts made to take blood. **VPSAM23x**

1. Sample taken on first attempt
2. Sample taken on second attempt
3. Both attempts failed
4. First attempt failed, did not make second attempt

{ASK IF attempted to take blood AND not mentioned “No suitable or palpable vein/collapsed vein” OR “Anxious” as reason for not taking blood: TakeSa1 = 1 and NOBSM <> 1 And NOBSM <> 2}

NURSE: Code who applied pressure to the puncture site.
CODE ALL THAT APPLY.

1. Nurse **VPPRESS23x_1**
2. Respondent **VPPRESS23x_2**
3. Partner or spouse (or any another third person) **VPPRESS23x_3**

{ASK IF attempted to take blood AND not mentioned “No suitable or palpable vein/collapsed vein” OR “Anxious” as reason for not taking blood: TakeSa1 = 1 and NOBSM <> 1 And NOBSM <> 2}

VPSENS23x

NURSE: Was the respondent sensitive to the tape or plaster?

1. Sensitive to tape/plaster
2. Not sensitive to tape/plaster
3. Did not check

{ASK IF attempted to take blood AND not mentioned “No suitable or palpable vein/collapsed vein” OR “Anxious” as reason for not taking blood: TakeSa1 = 1 and NOBSM <> 1 And NOBSM <> 2}

NURSE: Was there any abnormality noted after 5 minutes?

Please remember to recheck the site after completion of the blood sample module.

CODE ALL THAT APPLY.

1. Sensory deficit **VPPROB23x_1**
2. Haematoma **VPPROB23x_2**
3. Swelling **VPPROB23x_3**
4. Other (describe at next question) **VPPROB23x_4**
5. None **VPPROB23x_5**

{ASK IF Other Abnormality noted after 5 minutes: VpProb=OTHER}

VPOTHER23x

NURSE: Record the details of the other abnormality fully.

{ASK IF Any Abnormality noted after 5 minutes: VPPROB <> None}

VPDETAIL23x

NURSE: You have coded that an abnormality was noted after 5 minutes.

Please record the action you took when you noticed this.

{ASK IF blood sample was obtained: SampTak23x=1}

The research team will write to you to tell you when the results of the blood tests have been sent to your {If CONFCT23 = 2 OR CONFCTR23 <>4 or 7 "GP", If ACONFS23 = 1 Yes "clinical advisor"

Do you want to receive a copy of the blood results?

BSR23x

Yes

1 → go to BSRGP23

No

2 → go to next module

{ASK IF attempted to take blood AND not mentioned "No suitable or palpable vein/collapsed vein" OR "Anxious" as reason for not taking blood: TakeSa1 = 1 and NOBSM <> 1 And NOBSM <> 2}

VPCHECK23x

NURSE: Did you re-check the puncture site after completion of the blood sample module?

1. Yes, site was re-checked
2. No, site was not re-checked

Date when ended blood sample module

bsdatee23x

Time when ended blood sample module

bsdateet23x

Time (minutes since midnight when ended blood sample module

bsdateetm23x

Total time (min) taken to complete the blood sample module

Bstottm23x

Progress report DV

{Blood sampling outcome. BS_OC23x}

If (CONFCTR23x_4 = 1 And ACONFS23x= 1) THEN BS_OC23x=-1 'ineligible due to consent'

ELSEIF (BSWILL23x=2) then BS_OC23x=4 'declined'
ELSEIF (BSWILL23x=3) then BS_OC23x=5 'Unable'
ELSEIF (BSWILL23x=1 AND (SAMPF123x = 1) AND (SAMPF223x = 1) AND (SAMPF323x
= 1) AND (SAMPF423x = 1) AND (SAMPF523x = 1) then BS_OC23x=1 'full sample'
ELSEIF (BSWILL23x=1) AND SampTak23x = 1 then BS_OC23x=2 'partial sample'
ELSEIF (BSWILL23x=1 AND SampTak23x = 2 then BS_OC23x=3 'no sample'

Self-Completion

Date at start of self completion module - **scdates23x**

Time at start of self completion module - **sctimes23x**

Time (minutes since midnight) at start of self completion module - **sctimems23x**

We would like to ask you to complete a questionnaire on this computer. This questionnaire asks questions about your general health and how you are feeling. It will take about 15 minutes to complete and there are 28 questions. If you have any questions or if you are concerned about anything while you are completing the questionnaire, I will be here to help.

Would you be willing to complete this questionnaire?

- | | |
|--|-------------|
| SCY23x Yes | 1→ go to Q3 |
| No | 2→ go to Q2 |
| Unable for health reasons | 3→ go to Q2 |
| Unable, other (e.g. equipment not available) | 4→ go to Q2 |

Please record the reason why participant is unable/unwilling

→go to next module **SCYR23x**

HAVE YOU RECENTLY:

1. Been feeling perfectly well and in good health?

ghq0123x

- | | |
|-----------------------|---|
| Better than usual | 1 |
| Same as usual | 2 |
| Worse than usual | 3 |
| Much worse than usual | 4 |

2. Been feeling in need of a good tonic?

ghq0223x

- | | |
|------------------------|---|
| Not at all | 1 |
| No more than usual | 2 |
| Rather more than usual | 3 |
| Much more than usual | 4 |

3. Been feeling run down and out of sorts?

ghq0323x

- | | |
|------------------------|---|
| Not at all | 1 |
| No more than usual | 2 |
| Rather more than usual | 3 |
| Much more than usual | 4 |

4. Felt that you are ill?

ghq0423x

- | | |
|------------------------|---|
| Not at all | 1 |
| No more than usual | 2 |
| Rather more than usual | 3 |
| Much more than usual | 4 |

5. Been getting any pains in your head?
ghq0523x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
6. Been getting a feeling of tightness or pressure in your head?
ghq0623x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
7. Been having hot or cold spells?
ghq0723x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
8. Lost much sleep over worry?
ghq0823x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
9. Had difficulty staying asleep once you are off?
ghq0923x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
10. Been managing to keep yourself busy and occupied?
ghq1023x
 More so than usual 1
 Same as usual 2
 Rather less than usual 3
 Much less than usual 4
11. Been taking longer over the things you do?
ghq1123x
 Quicker than usual 1
 Same as usual 2
 Longer than usual 3
 Much longer than usual 4
12. Felt on the whole you were doing things well?
ghq1223x
 Better than usual 1

- | | | |
|------------|---|---|
| | About the same as usual | 2 |
| | Less well than usual | 3 |
| | Much less well | 4 |
| 13. | Been satisfied with the way you've carried out your task? | |
| | ghq1323x | |
| | More satisfied | 1 |
| | About the same as usual | 2 |
| | Less satisfied than usual | 3 |
| | Much less satisfied | 4 |
| 14. | Felt that you are playing a useful part in things? | |
| | ghq1423x | |
| | More so than usual | 1 |
| | Same as usual | 2 |
| | Less useful than usual | 3 |
| | Much less useful | 4 |
| 15. | Felt capable of making decisions about things? | |
| | ghq1523x | |
| | More so than usual | 1 |
| | Same as usual | 2 |
| | Less so than usual | 3 |
| | Much less capable | 4 |
| 16. | Felt constantly under strain? | |
| | ghq1623x | |
| | Not at all | 1 |
| | No more than usual | 2 |
| | Rather more than usual | 3 |
| | Much more than usual | 4 |
| 17. | Been able to enjoy your normal day-to-day activities? | |
| | ghq1723x | |
| | More so than usual | 1 |
| | Same as usual | 2 |
| | Less so than usual | 3 |
| | Much less than usual | 4 |
| 18. | Been getting edgy and bad-tempered? | |
| | ghq1823x | |
| | Not at all | 1 |
| | No more than usual | 2 |
| | Rather more than usual | 3 |
| | Much more than usual | 4 |
| 19. | Been getting scared or panicky for no good reason? | |
| | ghq1923x | |
| | Not at all | 1 |
| | No more than usual | 2 |
| | Rather more than usual | 3 |
| | Much more than usual | 4 |

20. Found everything getting on top of you?
ghq2023x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
21. Been thinking of yourself as a worthless person?
ghq2123x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
22. Felt that life is entirely hopeless?
ghq2223x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
23. Been feeling nervous and strung-up all the time?
ghq2323x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
24. Felt that life isn't worth living?
ghq2423x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
25. Thought of the possibility that you might make away with yourself?
ghq2523x
 Definitely not 1
 I don't think so 2
 Has crossed my mind 3
 Definitely have 4
26. Found at times you couldn't do anything because your nerves were too bad?
ghq2623x
 Not at all 1
 No more than usual 2
 Rather more than usual 3
 Much more than usual 4
27. Found yourself wishing you were dead and away from it all?
ghq2723x
 Not at all 1
 No more than usual 2
 Rather more than usual 3

Much more than usual 4
28. Found that the idea of taking your life kept coming into your mind?

ghq2823x

Definitely not	1
I don't think so	2
Has crossed my mind	3
Definitely has	4

Please record whether the participant required any assistance completing the self-completion?

SCEND23x	Self-completion completed independently	1
	Self-completion completed with assistance from interviewer	2
	Self-completion completed with assistance from someone else	3

ASK IF (GHQ2723x = 3 or 4) OR (GHQ2823x = 3 or 4)

NURSE DO NOT READ OUT: Please be aware that the participant responded in the following way to the questions at the end of the questionnaire:

IF (GHQ2723x = 3 or 4) "Have you recently found yourself wishing you were dead and away from it all?"

IF (GHQ2723x = 3) "Rather more than usual"

IF (GHQ2723x = 4) "Much more than usual"

IF (GHQ2823x = 3 or 4) "Have you recently found that the idea of taking your own life kept coming into your mind?"

IF (GHQ2823x = 3) "Has crossed my mind"

IF (GHQ2823x = 4) "Definitely have"

Before we move on, I just want to check that you are ok?

Guidance to nurses:

If the participant is upset, you can suggest to the participant that they discuss these feelings with their GP.

If the participant does not want to involve the GP for whatever reason, you can leave them a leaflet summarising relevant care services.

Use your judgement about what is the best approach and be guided by how upset the participant appears to be.

Was a leaflet given to the participant?

1 Yes

2 No

SCADV23x

ASK IF (SCADV23 = 2 No)

Why was a leaflet NOT given to the participant?

noleaflet23x

Progress reporting DV

{General Knowledge questionnaire outcome. **GKQ_OC23x**}

IF (SCY23x=2,3,4) then GKC_OC23x=4 'declined/unable'
ELSEIF (SCY23x=1) and (GHQ2823x=RESPONSE,DK,REF) then GKQ_OC23x=1 'fully completed'
ELSEIF (SCY23x=1) and (GHQ0123x=RESPONSE,DK,REF) then then GKQ_OC23x=2 'partially completed'
ELSEIF (SCY23x=1) then GKQ_OC23x=3 'not completed'

Date at end of self completion module - **scdates23x**

Time at end of self completion module - **sctimes23x**

Time (minutes since midnight) at end of self completion module - **sctimems23x**

Total time of self completion module - **sctotm23x**

Addenbrooke's Cognitive Examination (ACE) (via iPad)

Date at start of ACEIII module - **acedates23x**

Time at start of ACEIII module - **acetimes23x**

Time (minutes since midnight) at start of ACEIII module - **acetimts23x**

1. Do you feel that you have more difficulties with your memory than other people of a similar age?
MEMDIFF23x

Yes	1 → go to Q2
No	2 → go to Q3
2. Would you ask a doctor about these difficulties?
DOCDIFF23x

Yes	1
No	2
3. Would you be willing to carry out a short test using the iPad?
ACE23x

Yes	1
No	2 → go to Q4
Unable for health reasons	3 → go to Q4
Unable, other (e.g. equipment not available)	4 → go to Q4
4. Please record reason the participant is unable/unwilling → go to next module
ACER23x

READ OUT: This assessment will explore your thinking skills such as memory. Some of the questions are basic whereas others are more difficult. It is entirely normal to find some questions hard or to even make mistakes.

5. Was the ACEIII completed successfully
ACECOMP23x
6. Have you emailed the report to research@inuvi.co.uk?
ACETRNS23x

Yes	1 → go to Q7
Partially completed	2 → go to Q7
Not completed	3
7. Why was the ACEIII not completed?
ace3nocomp23x

Progress reporting DVs

{Addenbrooke's Cognitive Examination outcome. **ACE_OC23x**}

IF (ACE23x=2,3,4) then ACE_OC23x=4 'declined/unable'

ELSEIF (ACE23x=1 and ACER23Comp=1) then ACE_OC23x=1 'fully completed'

ELSEIF (ACE 23x=1 and ACER23Comp=2) then then ACE_OC23x=2 'partially completed'

ELSEIF (ACE 23x=1 and ACER23Comp=3) then ACE_OC23x=3 'not completed'

Date at end of ACEIII module - **acedatee23x**
Time at end of ACEIII module - **acetimee23x**
Time (minutes since midnight) at end of ACEIII module - **acetimte23x**
Total time of ACEIII module - **acetot23x**

Anthropometry

Date at start of anthropometry module - **anthdats23x**

Time at start of anthropometry module - **anthtimes23x**

Time (minutes since midnight) at start of anthropometry module - **anthtimts23x**

I would now like to take different types of measurements.

These cover height, weight, and waist and hip measurements.

Would you be willing to be measured and weighed? **MESOK23x**

Yes 1 → go to MESHTNStand23x

No 2 → go to MESOKR23x

Unable, other (e.g. equipment not available) 3 → go to MESOKR23x

Please give reason: → go to next module

MESOKR23x

NURSE: Is the participant able to stand? If they are unable to stand they will not be able to have their height measured.

1 Participant able to stand

2 Participant NOT able to stand

MESHTNStand23x

ASK IF MESHTNStand23x = Yes

Measure standing height (round up to the higher mm). **HTN23x**

Enter height in centimetres (e.g 140.3cm)

If for any reason you are unable to take a measurement, enter 999

Soft Check: IF NOT((SEX = Female AND HEIGHT between 135 and 180) OR (SEX = Male AND HEIGHT between 135 and 199)) "Please confirm height is [HEIGHT]cm"

Hard Check: IF HEIGHT <> 999 AND MISSING 1DP "Please enter height in centimetres to the nearest millimetre. If the height is exactly [HEIGHT]cm, please enter [HEIGHT].0cm"

ASK IF MESOK23x = Yes

Measure weight **WTN23x**

Enter weight in kg (read of from scales) to the nearest 100 grams (e.g. 72.4kg)

If for any reason you are unable to take a measurement, enter 999

Soft Check: IF NOT((SEX = Female AND WEIGHT between 36 and 140) OR (SEX = Male AND WEIGHT between 45..150)) "Please confirm weight is [WEIGHT]kg"

Hard Check: IF WEIGHT <> 999 AND MISSING 1DP "Please enter weight in kilograms to the nearest 100 grams. If the hight is exactly [WEIGHT]cm, please enter [WEIGHT].0kg"

Measure the waist circumference (round up to the higher mm). **ABC23x**

Enter measurement in centimetres (e.g 140.3cm)

If for any reason you are unable to take a measurement, enter 999

Soft Check: IF NOT((SEX = Female AND WAIST between 50 and 140) OR (SEX = Male AND WAIST between 55 and 150)) "Please confirm waist circumference is [WAIST]cm"

Hard Check: IF WAIST <> 999 AND MISSING 1DP "Please enter waist circumference in centimetres to the nearest millimetre. If the waist circumference is exactly [WAIST]cm, please enter [WAIST].0cm"

Measure the hip circumference(round up to the higher mm) **HIPC23x**

Enter measurement in centimetres (e.g 140.3cm)

If for any reason you are unable to take a measurement, enter 999

Soft Check: IF NOT((SEX = Female AND HIP between 70 and 150) OR (SEX = Male AND HIP between 80 and 150)) "Please confirm hip circumference is [WAIST]cm"

Hard Check: IF HIP <> 999 AND MISSING 1DP "Please enter hip circumference in centimetres to the nearest millimetre. If the hip circumference is exactly [HIP]cm, please enter [HIP].0cm"

ASK IF 999 in (HTN23x, HTN23x, ABC23x, HIPC23x)

Please record reasons why measure(s) were not taken **ANTHNO23x**

ASK IF ABC23 <> 999

NURSE (DO NOT ASK): Was the waist measurement taken:

ANTHW23x	On skin	1
	Light clothes	2
	Other (Specify, e.g. heavy clothes)	3

If ANTHW23x = Other

Please specify: **ANTOTH23x**

Progress reporting DVs

{Height outcome. Hei_OC23x}

IF MESOK23x=2 then Hei_OC23x=4 'declined'

IF MESOK23x=3 then Hei_OC23x=5 'unable'

ELSEIF (MESOK23x = 1) AND (MESHTNStand23x=1) AND (HTN23x <>999) THEN Hei_OC23x= 1 'height measured'

ELSEIF (MESOK23x = 1) AND (MESHTNStand23x=1) AND (HTN23x =999) THEN Hei_OC23x= 2 'height not measured'

ELSEIF (MESHTNStand23x=2) then Hei_OC23x=3 'ineligible -unable to stand'

{Weight outcome. Wei_OC23x}

IF (MESOK23x=2,3) then Wei_OC23x=4 'declined/unable'

ELSEIF (MESOK23x = 1) AND (WTN23x <>999) THEN Wei_OC23x= 1 'weight measured'

ELSEIF (MESOK23x = 1) AND (WTN23x =999) THEN Wei_OC23x= 3 'weight not measured'

Date at end of anthropometry module - **anthdate23x**

Time at end of anthropometry module - **anthtime23x**

Time (minutes since midnight) at end of anthropometry module - **anthtimte23x**

Total time of anthropometry module - **anthtot23x**

Chair Rises

Do module if (SBP123x OR SBP223x OR SBP323x < 200) OR (DBP123x OR DBP223x OR DBP323x < 120)

I would now like you to do 10 chair rises.

First I will ask you to fold your arms and, after I say, 'And Go', stand up from your chair and sit down again 10 times like this, as quickly as possible (NURSE: DEMONSTRATE).

1. Are you willing to do this test?

- | | | |
|-----------|--|----------------------|
| CHARST23x | Yes | 1 |
| | No | 2 → go to CHARSTR23x |
| | Unable for health reasons | 3 → go to CHARSTR23x |
| | Unable, other (e.g. equipment not available) | 4 → go to CHARSTR23x |

2. Please record the reason why unable/unwilling → go to CHARST523x
CHARSTR23x

3. NUSRE: Let the participant practice one or two rise. Then record time for chair rise test. Enter time EXACTLY as on the stopwatch (eg. 0:32:28)
Make sure the participant is able to have their feet flat on the floor and possibly sits towards the front of the chair. Check they have suitable footwear (no high heels).

If participant attempts 10 rises but does not complete the full test, please record a time and, at the next question, the number of rises completed

:MIN CHRSTM23x
:SEC CHRSTS23x
:MSEC CHRSTMS23x

Were 10 rises completed?

- | | |
|-----|-------------------------|
| Yes | 1 → go to end of module |
| No | 2 |

CHARSTOK23x

ASK IF CHARSTOK23x = No

How many rises were completed → go to end of module

CHARSTN23x

ASK IF FOR THOSE THAT ARE UNABLE OR UNWILLING TO DO TEN RISES
(CHARST23x = 2, 3 or 4):

Although you are unable to do 10 chair rises, would you be willing to do a test of 5 rises instead?

- | | | |
|------------|--|-----------------------|
| CHARST523x | Yes | 1 |
| | No | 2 → go to CHARSTR523x |
| | Unable for health reasons | 3 → go to CHARSTR523x |
| | Unable, other (e.g. equipment not available) | 4 → go to CHARSTR523x |

Please record the reason why unable/unwilling → go to next module

CHARSTR523x

First I will ask you to fold your arms and, after I say, 'And Go', stand up from your chair and sit down again 5 times like this, as quickly as possible (NURSE: demonstrate).

NURSE: Let the participant practice then record time for chair rise test. Enter time EXACTLY as on the stopwatch (eg. 0:32:28)

If participant attempts 5 rises but does not complete the full test, please record a time and, at the next question, the number of rises completed

:MIN CHRSTM523x

:SEC CHRSTS523x

:MSEC CHRSTMS523x

Were 5 rises completed?

CHARSTOK523x

Yes 1

No 2

ASK IF CHARSTOK523 = No

How many rises were completed?

CHARSTN523x

Progress reporting DVs

{Chair rises Outcome. Chair_OC23x}

IF (CHARST23 = 1 AND CHARSTOK23=1) THEN Chair_OC= 1 '10 rises attempted/completed'

ELSEIF (CHARST23=2,3,4 AND CHARST523=1 AND CHARSTOK523 = 1) then Chair_OC=2 '5 rises attempted/completed'

ELSEIF (CHARST23=2,3,4 AND CHARST523=2,3,4) then Chair_OC=3 'declined/unable'

Balance and Co-ordination

I would now like to assess your balance and co-ordination.

First, I will ask you to fold your arms and, after I say 'And Go', stand on your preferred leg, and raise your other foot off the floor like this (NURSE: *DEMONSTRATE*). I will ask you to hold this position for as long as you can or until I tell you to stop. Then I want you to repeat the test with your eyes closed.

Nurse: Time for 30 seconds maximum.

1. Are you willing to do this test with your eyes open?

BALINT23x Yes 1 → go to Q3
 No 2 → go to Q2
 Unable for health reasons 3 → go to Q2
 Unable, other (e.g. equipment not available) 4 → go to Q2

2. Please record the reason why unable/unwilling → go to next module

BALINTR23x

- 3a. Nurse: Carry out test with participant's **eyes open**. Allow the participant to practice. Record time for balance test with eyes open up to 30 seconds. Do the test in a corner if possible, so there are 2 walls to grab if required. Did the participant balance for 30 seconds?

Yes 1 → go to Q4

No 2

LEGBPFULL23x

- 3b. If **LEGBPFULL23x** = 2 No

Nurse: Enter time EXACTLY as on the stopwatch if under 30 seconds (eg. 0:25:28).

If the participant fell over straight away please enter 00 minutes, 00 seconds and 00 milliseconds and confirm that the participant fell over straight away and the next question

Enter time EXACTLY as on the stopwatch if under 30 seconds (eg. 0:25:28).

Minutes **LEGBPM23x**

Seconds **LEGBPS23x**

Milliseconds **LEGBPMS23x**

Soft check if outside range check 0-30s (excluding 99). "Nurse: Are you sure? Please confirm this is the correct time"

- 3c. {If **LEGBP23**= 00}

Nurse: Did the participant fall over straight away?

Yes 1 → go to next module

No 2

LEGFO23x

4. ASK IF **LEGFO23** <> Yes

Are you willing to do this test with your eyes closed?

BALINTO23x Yes 1 → go to Q6
 No 2 → go to Q5
 Unable for health reasons 3 → go to Q5
 Unable, other (e.g. equipment not available) 4 → go to Q5

5. Please record the reason why unable/unwilling → go to next module

BALINTOR23x

- 6a.** Nurse: Carry out test with participant's **eyes closed**. Allow the participant to practice. Record time for balance test with eyes closed up to 30 seconds. Did the participant balance for 30 seconds?

Yes 1

LEGBCFULL23x

No 2

- 6b** If LEGBC23FULL = 2 No

Nurse: Enter time EXACTLY as on the stopwatch if under 30 seconds (eg. 0:25:28). If the participant fell over straight away please enter 00 minutes, 00 seconds and 00 milliseconds and confirm that the participant fell over straight away and the next question Enter time EXACTLY as on the stopwatch if under 30 seconds (eg. 0:25:28).

Seconds LEGBCS23x

Milliseconds LEGBCMS23x

Soft check if outside range check 0-30s (excluding 99). "Nurse: Are you sure? Please confirm this is the correct time"

- 6c.** {If LEGBC23= 00}

Nurse: Did the participant fall over straight away? LEGFO223x

Yes 1 → go to next module

No 1

Progress reporting DVs

{Balance Outcome Bal_OC23x}

IF (BALINTR23x = 1 AND LEGBP23x <> 99) AND (BALINTO23x = 1 AND LEGBC23x <> 99) THEN Bal_OC23x= 1 'Eyes open and closed test completed'

IF (BALINTR23x = 1 AND LEGBP23x <> 99) AND (BALINTO23x = 2,3,4 OR LEGBC23x = 99) THEN Bal_OC23x= 2 'Only eyes open test completed'

IF (BALINTR23x = 1 AND LEGBP23x = 99) THEN Bal_OC23x= 3 Attempted, not completed'

ELSEIF (BALINTR23x =2,3,4) then Bal_OC23x=4 'declined/unable'

Walking Speed

I would now like to time you while you walk a short distance at your usual walking pace, just as if you were walking down the street to go to the shops. Walking aids are permitted but help from another person is not. (NURSE: DEMONSTRATE)

IF ASKED: Walking course is 2.44m (8ft)

1. Are you willing to do this test?

TGUG23x

Yes	1 → go to Q3
No	2 → go to Q2
Unable for health reasons	3 → go to Q2
Unable, other (e.g. equipment not available)	4 → go to Q2

2. Please record the reason why unable/unwilling → go to next module

TGUGR123x

-
3. Are you able to walk without another person's help?
- | | |
|-----|-----------------------|
| Yes | 1 → go to Q4 |
| No | 2 → go to next module |

WNHLP23x

4. Do you use walking aid?
- | | |
|-----|---------------|
| Yes | 1 → go to Q5a |
| No | 2 → go to Q6 |

WAID23x

- 5a. Please specify type of walking aid
- | | |
|-----------------|---------------|
| Walking stick | 1 → go to Q6 |
| Walking frame | 2 → go to Q6 |
| Leg brace | 3 → go to Q6 |
| Crutch/crutches | 4 → go to Q6 |
| Other | 5 → go to Q5b |

WATYP23x

- 5b. Please specify "Other" type of walking aid

WATYPO23x

Nurse: Walking speed should be measured over a clearly marked 8ft (2.44m) walking course. Walking aids are permitted but help from another person is not. Please set up the measurement for this distance and ask the participant to complete their first walk.

- 6a. Record time taken to complete walk 1. Enter time EXACTLY as on the stopwatch (eg. 0:02:28). If the participant did not complete the walk over straight away please enter 99 minutes, 99 seconds and 99 milliseconds and confirm that at the next question

:Minutes **WNATM123x**

:Seconds **WNATS123x**

:Milliseconds **WNATMS123x**

Soft check if outside range check 0-30s (excluding 99). "Nurse: Are you sure? Please confirm this is the correct time"

- 7a. ASK If WNAT123 <> 99

Nurse: Ask the participant to complete their second walk. Record time taken to complete walk 2. Enter time EXACTLY as on the stopwatch (eg. 0:02:28).

If the participant did not complete the walk over straight away please enter 99 minutes, 99 seconds and 99 milliseconds and confirm that the participant fell over straight away at the next question

:Minutes **WNATM223x**
:Seconds **WNATS223x**
:Milliseconds **WNATMS223x**

8. *Why was the timed walk not completed?*

WNONE23x

Progress reporting DVs

{Walking speed outcome. Walk_OC23x}

IF (TGUG23=2,3,4) OR (TGUG23=1 AND WNHL23<> Yes) then Walk_OC23x=4
'declined/unable'

ELSEIF (WNAT123<>99 AND WNAT223<>99) then Walk_OC23x = 1 'completed both walks'

ELSEIF (WNAT123<>99 AND WNAT223=99) then Walk_OC23x = 2 'completed only one walk'

ELSEIF (WNAT123=99) then Walk_OC = 3 'not completed'

Hand Grip

Now I would like to assess the strength of your hand in a gripping action. After I say 'And Go' I want you to squeeze this handle as hard as you can, just for a couple of seconds and then let go (NURSE: DEMONSTRATE).

Are you willing to do this test?

GRPINT23x	Yes	1 → go to WOTATT23x
	No	2 → go to GRPINTR23x
	Unable for health reasons	3 → go to GRPINTR23x
	Unable, other (e.g. equipment not available)	4 → go to GRPINTR23x

Please record the reason why unable/unwilling → go to next module

GRPINTR23x

If possible I would like to take 2 measurements from each hand. Do you have use of both hands?

Record one only.	Participant has the use of both hands	1
WOTATT23x	Participant is unable to use right hand	2
	Participant is unable to use left hand	3
	Participant is unable to use either hand	4 → go to next module

Which is your dominant hand?

This is the dominant hand they were born with even if they can no longer use that hand.

HNLR23x	Right hand	1
	Left hand	2

Nurse: Position the participant correctly and select the correct hand grip distance. Explain the procedure once again. The next page will ask you to record the first measurement.

Nurse: you will be asked to record the measure in kilograms

Nurse: Make sure arm is resting on the arm of the chair, with their wrist just over the end of the arm.

If WOTATT23 = 1 or 2

LEFT hand - first measurement GRPL123x

Enter the results in kilograms to one decimal place.

Enter 999 if the measurement was not completed.

Soft Check: IF NOT((GRPL123 between 10 and 80) OR 999) "Please confirm grip measurement is [GRPL123]kg"

Hard Check: IF GRPL123<> 999 AND MISSING 1DP "Please enter the measurement to the nearest one decimal place. If the measurement is a whole number, please enter [GRPL123].0kg"

If WOTATT23 = 1 or 3

RIGHT hand - first measurement GRPR123x

Enter the results in kilograms to one decimal place.

Enter 999 if the measurement was not completed.

Soft Check: IF NOT((GRPR123 between 10 and 80) OR 999) "Please confirm grip measurement is [GRPR123]kg"

Hard Check: IF GRPR123<> 999 AND MISSING 1DP "Please enter the measurement to the nearest one decimal place. If the measurement is a whole number, please enter [GRPR123].0kg"

If WOTATT23 = 1 or 2

LEFT hand - second measurement GRPL223x

Enter the results in kilograms to one decimal place.

Enter 999 if the measurement was not completed.

Soft Check: IF NOT((GRPL223 between 10 and 80) OR 999) "Please confirm grip measurement is [GRPL223]kg"

Hard Check: IF GRPL223<> 999 AND MISSING 1DP "Please enter the measurement to the nearest one decimal place. If the measurement is a whole number, please enter [GRPL223].0kg"

If WOTATT23 = 1 or 3

RIGHT hand - second measurement GRPR223x

Enter the results in kilograms to one decimal place.

Enter 999 if the measurement was not completed.

Soft Check: IF NOT((GRPR223 between 10 and 80) OR 999) "Please confirm grip measurement is [GRPR223]kg"

Hard Check: IF GRPL123<> 999 AND MISSING 1DP "Please enter the measurement to the nearest one decimal place. If the measurement is a whole number, please enter [GRPR223].0kg"

Progress reporting DVs

{Hand grip outcome. Grip_OC23x}

IF (GRPINT23x=2,3,4) OR WOTAtt23x = 4 then Grip_OC23x=4 'declined/unable'
ELSEIF (GRPINT23x=1) AND ((WOTAtt23x = 1 AND (GRPR123x <> 999 AND GRPR223x <> 999 AND GRPL123x <> 999 AND GRPL223x <> 999)) OR (WOTAtt23x = 3 AND (GRPR123x<> 999 AND GRPR223x<> 999)) OR (WOTAtt23x= 2 AND (GRPL123x<> 999 AND GRPL223x<> 999))) THEN Grip_OC23x = 1 'completed'
ELSEIF (GRPINT23x=1) AND ((WOTAtt23x = 1 AND ((GRPR123x = 999 OR GRPR223x = 999 OR GRPL123x = 999 OR GRPL223x = 999) AND (GRPR123x <> 999 AND GRPR223x <> 999 AND GRPL123x <> 999 AND GRPL223x <> 999))) OR (WOTAtt23x = 3 AND ((GRPR123x = 999 OR GRPR223x= 999) AND (GRPR123x<> 999 AND GRPR223x<> 999))) OR (WOTAtt23x= 2 AND ((GRPL123x= 999 OR GRPL223x= 999) AND (GRPL123x<> 999 AND GRPL223x<> 999))) THEN Grp_OC23x = 2 'partially completed'
ELSEIF (GRPINT23x=1) AND (GRPR123x= 999 OR -1) AND (GRPR223x= 999 OR -1) AND (GRPL123x= 999 OR -1) AND (GRPL223x= 999 OR -1) THEN Grp_OC23x = 3 'not completed'

Lung Function

Tell Participant: The lung function test tells us how well people's lungs are working. It measures the amount of air you can blow out of your lungs and how fast you can blow the air out. On its own this test can't tell me if there are any problems with your lungs so if you have any concerns about your lungs you should talk to your GP.

Are you okay to continue with the lung function test?

- 1 Yes (agreed to continue)
- 2 No (declined to continue)
- 3 Skip module

LMod23x

Reason why the lung function was skipped

LSkip23x

- 1 Equipment issues
- 2 Not enough time
- 3 Other, please specify

Other reason why lung function was skipped

LSkipO23

Before I explain more about the test, I need to ask you a few questions to make sure it is safe for you to do so.

Have you had or experienced any of the following...

Recently coughing up blood of unknown origin? haexc23x_1

Ever been diagnosed with aneurysm in chest, brain or stomach? haexc23x_2

Medication for TB? haexc23x_3

Raised intraocular pressure? haexc23x_4

None of the above haexc23x_5

Mentioned 1
Not mentioned 0

In the past 12 months, have you had or experienced a collapsed or punctured lung?

halung23x

Yes 1
No 2

In the past 3 months, have you experience any of the following?

A blood clot in the lung haexc23x_3m1

Abdominal or chest surgery haexc23x_3m2

A detached retina haexc23x_3m3

Ear or eye surgery haexc23x_3m4

None of the above haexc23x_3m5

Mentioned 1
Not mentioned 0

In the past 6 weeks, have you had:

A heart attack / MI or heart complaint **haexc23x_6w1**

A stroke **haexc23x_6w1**

None of the above **haexc23x_6w1**

Mentioned	1
Not mentioned	0

Are you willing to do this test?

LFWILL23x	Yes	1 → go to CHSTNF23x
	No	2 → go to LFWILLR23x
	Unable for health reasons	3 → go to LFWILLR23x
	Unable, other (e.g. equipment not available)	4 → go to LFWILLR23x

Please record the reason why unable/unwilling → go to next module

LFWILLR23x

In the past three weeks, have you had any respiratory infections such as influenza, pneumonia, bronchitis or a severe cold?

CHSTNF23x	Yes	1
	No	2

Do you suffer from asthma or hayfever?

ASTHYF23x	Yes	1
	No	2

Now I would like to measure your lung function. You will need to stand up for this test. First you will need to take as full and as deep a breath as you can so as to fill your lungs to capacity. Then make a tight seal, with your lips around the tube, place your tongue under the mouthpiece, and blow out as hard, as fast and as long as you can, until no more air can come out and you are instructed to stop. You will be doing this at least 3 times in order to make sure that we obtain similar results. You may feel slightly lightheaded whilst doing this.

READ OUT: To do the test you will need to blow out into a tube as hard and as fast as you can for as long as you can. I will also be encouraging you to blow for as long as possible (NURSE DEMONSTRATE

NURSE: Demonstrate the blow to the participant (not connected to the laptop) and make sure the participant is happy to do the test.

Plug the spirometer into the USB port before launching software.

Instructions

Plug the spirometer into the USB port before launching the software.

Demonstrate the blow to the participant (not connected to the laptop) and make sure the participant is happy to do the test.

Insert the spirette

Nurse: Launch the spirometry program and explain the manoeuvre to the respondent.

Point out the following:

- Test should be done standing
- Tight seal round the spirette
- Breathe in as deeply as possible
- Straight away blast the air out as hard as they can and as fast as they can and keep going for as long as possible
- Need a few blows, will guide and encourage to breathe normally.

NURSE: ASK PARTICIPANT TO PRACTICE PRIOR TO LAUNCHING SOFTWARE.

Then do the test- a maximum of 5 blows

htfvc23x Maximum technically satisfactory value for FVC

prfvc23x Predicted value for FVC

pcfvc23x FVC as a percentage of predicted FVC

htfev23x Maximum technically satisfactory value for FEV

prfev23x Predicted value for FEV

pcfev23x FEV as a percentage of predicted FEV

htpef23x Maximum technically satisfactory value for PEF

prpef23x Predicted value for PEF

pcpef23x PEF as a percentage of predicted PEF

Derived: Outcome from lung function software (A-F)

Quality23x

Explain the reason for the session quality (Quality C, D, F)

Qualcdf23x

Are there any comments which need to be noted about this respondents lung function (Quality C, D, F) **cdfcom123x**

Yes 1

No 2

Please note comments which need to be noted about this respondent function (Quality C, D, F)

Cdfcom223x

Are there any comments which need to be noted about this respondents lung function (Quality A, B) **qualab23x**

Yes 1

No 2

Please note comments which need to be noted about this respondent (Quality A, B)

qualabot23x

Did the participant stand or sit down for the spirometry?

ifstand23x

Stand for all blows 1

Sit for all blows 2

Start standing, then sit for later blows 3

How many blows did the participant attempt?

Include all blows except practice one, even if technically not acceptable

Soft Check: > 5 "Please confirm, there should have been no more than 5 attempts"

Soft Check: < 3 "Please confirm, there would normally be 3-5 attempts"

Soft Check: 11 <= 1 AND 10 <> blank "Session quality should be blank if there were no more than 1 attempt, please check."

ifblowno23x

Reason why unable to take readings

noattlf23x_1

Respondent is breathless

noattlf23x_2

Respondent is unwell

noattlf23x_3

Respondent is

noattlf23x_95

upset/anxious/nervous

Other reason

Other reason why the respondent did not attempt / refused lung function test

noattof23x

Record why you were unable to take any readings

nullfl23x

Progress reporting DVs

{Lung function outcome. Lung_OC23x}

IF (HASURG23x=1 OR HASTR23x=1 OR HAEXC23x=1..9) then LUNG_OC23x=-1
'ineligible'

ELSEIF (LFWILL23x=2,3,4) then Lung_OC23x=4 'declined/unable'

ELSEIF (LFWILL23x=1) AND (LNGDONE23x = 1) then Lung_OC23x=1 'readings taken'

ELSEIF (LFWILL23x=1) AND (LNGDONE23x = 2) then Lung_OC23x=2 'readings not taken'

Cognitive

Now I'm going to give you some mental tasks. They are designed so that no-one gets the maximum score on all of them. So please just do the best that you can; as long as you do your best that is what we want you to do.

First, I want to see how well you remember a list of fifteen words. I will show you a video which will show one word at a time. When the video reaches the end of the word list you have ONE MINUTE to write down as many words as you can. Please write the words in any order you like. It is best not to talk to anyone while you are doing this. We will repeat this test a couple of times.

1. Are you willing to do this test?

WLREF23x	Yes	1→ go to Q3
	No	2→ go to Q2
	Unable for health reasons	3→ go to Q2
	Unable, other (e.g. equipment not available)	4→ go to Q2

2. Please record the reason why unable/unwilling → go to Q5

WLREFR223

3. NURSE: FOR EACH TRIAL: If the participant is still writing, tell them to stop when prompted by the video. Make sure the test is carried out in the quiet room, free from distractions.

NURSE: Open the video word list on your iPad.

USE WORD LIST A or B

Conduct **first** word list trial

Turn paper test booklet to word list 1, handover to participant and make sure the participant has a pencil. Show the words video. If the video is not working use the word list flashcards and show the words at two second intervals. Make sure the last word is shown for two seconds.

Conduct **second** word list trial

Turn booklet to word list 2. Show the words again.

Conduct **third** word list trial

Turn booklet to word list 3. Show the words again.

4. Please record whether the word list trials were completed. Code one only.

WLDONE23x	All 3 trials were attempted	1
	2 out of the 3 trials were attempted	2
	Only one trial was attempted	3
	None of the trials were attempted	4

VISUAL SEARCH TASK

I would now like to see how quickly you can work through this list, crossing out the P's and W's.

5. Are you willing to do this test? **VSDONE23x**
- | | |
|--|---------------------|
| Yes | 1→ go to RVSA23x |
| No | 2→ go to VSDONER23x |
| Unable for health reasons | 3→ go to VSDONER23x |
| Unable, other (e.g. equipment not available) | 4→ go to VSDONER23x |
6. Please record the reason why unable/unwilling → go to end of module **VSDONER23x**

Start at the top left and work along the row from left to right, then go to the beginning of the next row and work from left to right again, like reading a page. Carry on this way crossing out any P's and W's with one mark of the pencil like this. (*NURSE: Demonstrate*). Carry on until I tell you to stop. Work as quickly and as accurately as you can.

Nurse: Tell participant to start. Start the stopwatch and time for ONE MINUTE then tell the participant to finish. Tell participant to underline the letter on which they finish.

7. Please record whether the letter search was attempted. Code one only. **RVSA23x**
- | | |
|-----------------------------|---|
| Letter search attempted | 1 |
| Letter search not attempted | 2 |
8. Nurse (DO NOT ASK): Did the survey member have **visual** difficulty during testing? **SEET23**
- | | |
|-------------------|---|
| No difficulty | 1 |
| Mild difficulty | 2 |
| Severe difficulty | 3 |
| No tests done | 4 |
9. Nurse (DO NOT ASK): Did the survey member have **hearing** difficulty during testing? **HET23x**
- | | |
|-------------------|---|
| No difficulty | 1 |
| Mild difficulty | 2 |
| Severe difficulty | 3 |
| No tests done | 4 |

Progress reporting DVs

{Cognitive examination (Word Search). **WordS_OC23x**}

IF (WLREF23x=2,3,4) then WordS_OC23x=4 'declined/unable'

ELSEIF (WLREF23x=1) AND (WLDONE23x= 1) then WordS_OC23x=1 'all attempted'

ELSEIF (WLREF23x=1) AND (WLDONE23x= 2,3) then WordS_OC23x=2 'some, not all attempted'

ELSEIF (WLREF23x=1) AND (WLDONE23x= 4) then WordS_OC23x=3 'not attempted'

{Cognitive examination (Visual Search). **VisualS_OC23x**}

IF (VSDONE23x=2,3,4) then VisualS_OC23x=4 'declined/unable'

ELSEIF (VSDONE23x=1) AND (RVSA23x= 1) then VisualS_OC23x=1 'attempted'

ELSEIF (VSDONE23x=1) AND (RVSA23x= 2) then VisualS_OC23x=1 'not attempted'

Future Consent Form

Date at start of future consent module - **fcdats23x**

Time at start of future consent module - **fctims23x**

Time (minutes since midnight) at start of future consent module - **fctimts23x**

1. If previously nominated someone

We have previously asked you whether, in the future when we wish to contact you again, if we found that we were unable to contact you personally, for example if you had a long-term illness or were unable to speak to us, would you be prepared for us to collect information about your circumstances from your husband/wife/partner or from a close friend? If you were, we would not intentionally approach someone if you were on holiday or temporarily ill. We would only approach them if you were too sick, either physically or mentally, to make a decision for yourself.

You previously consented to nominating a personal consultee and nominated the following individual. Please can I check whether you are still willing for this individual to be your personal consultee and if so whether all their contact details are still correct and your willingness to continue to take part in the study?

1 Still willing, and contact details have not changed (Future Consent Form does not need completing) → *go to end of module*

2 Still willing but nominated individual or their contact details have changed

3 No longer willing to have consultee

CFPYesChange23x

3. If did not previously nominate someone

We have previously asked you whether, in the future when we wish to contact you again, if we found that we were unable to contact you personally, for example if you had a long-term illness or were unable to speak to us, would you be prepared for us to collect information about your circumstances from your husband/wife/partner or from a close friend? If you were, we would not intentionally approach someone if you were on holiday or temporarily ill. We would only approach them if you were too sick, either physically or mentally, to make a decision for yourself.

You previously did not consent to nominating a personal consultee. Please can I check whether you still do not wish to nominate a personal consultee?

1 Still unwilling (Future Consent Form does not need completing) → *go to end of module*

2 Now willing to nominate individual

CFPNoChange23x

4. ASK IF (CFPYesChange23x = 2 or 3) OR (CFPNoChange23x = 3) OR (FFConsultNo23x = 2 and FFConsultYes23x =2)

“In the future when we wish to contact you again, if we found that we were unable to contact you personally, for example if you had a long-term illness or were unable to speak to us, would you be prepared for us to collect information about your circumstances from your husband/wife/partner or from a close friend? If you were, we would not intentionally approach someone if you were on holiday or temporarily ill. We would only approach them if you were too sick, either physically or mentally, to make a decision for yourself.”

NURSE: ASK THE PARTICIPANT TO REVIEW AND FILL IN THE FUTURE CONSENT FORM

Has the consent form been completed and signed? **CFSIGNED23x**

Yes	1
No	2

Date at end of future consent module - **fcdte23x**

Time at end of future consent module - **fctime23x**

Time (minutes since midnight) at end of future consent module - **fctimte23x**

Total time of future consent module - **fctot23x**

Socioeconomic Circumstances

The next few questions are about your economic circumstances as this study and others show that things like income and your level of financial security can affect health in a number of ways.

1. SHOW CARD A

Which of the letters on the **SHOWCARD A** represents your total net household income? Please include your own and your partner's earned income (after deduction for income tax and national insurance), any state benefits and any other sources of income such as pension, interest and rental income. Please also include contributions from other members of your household (such as children). Please choose the period (annual, monthly or weekly) that is most convenient for you to use. Then, find the amount in pounds which represents your net household income and state the corresponding letter.

INCHN23

Annual		Monthly	Weekly
Less than £6,000	A = 1	less than £500	Less than £116
£6,000 - £7,999	B = 2	£500 - £666	£116 - £153
£8,000 - £9,999	C = 3	£667 - £833	£154 - £192
£10,000 - £11,999	D = 4	£834- £999	£193 - £230
£12,000 - £14,999	E = 5	£1,000 - £1,249	£231 - £288
£15,000 - £17,999	F = 6	£1,250 - £1,499	£289 - £346
£18,000 - £20,999	G = 7	£1,500 - £1,749	£347 - £403
£21,000 - £23,999	H = 8	£1,750 - £1,999	£404 - £461
£24,000 - £26,999	I = 9	£2,000 - £2,249	£462 - £519
£27,000 - £29,999	J = 10	£2,250 - £2,499	£520 - £576
£30,000 - £39,999	K = 11	£2,500 - £3,333	£577 - £769
£40,000 - £79,999	L = 12	£3,334 - £6,666	£770 - £1,538
£80,000 or more	M = 13	£6,667 or more	£1,539 or more

Refused to answer = 14

2. On your present household income do you find

READ OUT...

INCMN23x

- | | |
|--|---|
| That it's really quite hard to manage? | 1 |
| That you manage fairly well? | 2 |
| That you manage comfortably? | 3 |

3. Have you or your family had to go without things you really needed in the last year because you were short of money?

READ OUT...

INCGWN23x

- | | |
|----------------|---|
| Yes, often | 1 |
| Yes, sometimes | 2 |
| No | 3 |

4. Have you found you have been unable to pay the bills in the last year because you were short of money?

READ OUT...

INCUBN23x	Yes, often	1
	Yes, sometimes	2
	No	3

5. Thinking of the next ten years, how financially secure do you feel?

READ OUT...

INCSEC23x	Secure	1
	Fairly secure	2
	Neither secure nor insecure	3
	Fairly insecure	4
	Insecure	5

SHOW CARD B

6. If you sold all the assets you own in your household, for example, your house, car, caravan, and jewellery, cashed in your savings and investments, and paid off any debts you have (including your mortgage), how much money do you think you would have? Please find the amount in pounds which represents the total amount and state the corresponding letter.

INCASS23

	Total wealth
A=1	Less than £12,500
B=2	£12,500 to £39,999
C=3	£40,000 to £99,999
D=4	£100,000 to £199,999
E=5	£200,000 to £299,999
F=6	£300,000 to £399,999
G=7	£400,000 to £499,999
H=8	£500,000 to £599,999
I=9	£600,000 to £699,999
J=10	£700,000 to £799,999
K=11	£800,000 to £899,999
L=12	£900,000 to £999,999
M=13	£1,000,000 or £1,999,999
N=14	£2,000,000 or more
15	Refused to answer

Social Care:

ASK ALL PARTICIPANTS

Is there anyone LIVING WITH YOU who is sick, frail, or has a disability whom you look after or give special help to (for example, a sick, disabled, or older relative/husband/wife/ friend, etc.)? **AFT23x**

No 0 → go to PROV23x
Yes 1

Who do you look after or help that lives with you?

List all that apply

Wife/Husband/Partner	1 AFT123x_1
Mother/mother-in-law	2 AFT123x_2
Father/father-in-law	3 AFT123x_3
Son/daughter (incl. stepchildren)	4 AFT123x_4
Grandchild/ren	5 AFT123x_5
Friend	6 AFT123x_6
Other	7 AFT123x_7

If AFT123_07 = Selected

Please specify

AFTOTH23x

SHOW CARD C

In total, how many hours do you spend each week looking after or helping these people? **AFTH23x**

0-4 hours per week	1
5-9 hours per week	2
10-19 hours per week	3
20-34 hours per week	4
35-49 hours per week	5
50-99 hours per week	6
100 or more hours per week/continuous care	7
Varies under 20 hours	8
Varies 20 hours or more	9
Other	10

If AFTH23x = _10

Please specify

AFTHOTH23x

Do you provide some regular service or help for any sick, disabled or older person NOT LIVING WITH YOU? **PROV23x**

No 0 → go to SOCCARE23x
Yes 1

Who do you help that does not live with you?

List all that apply

Volunteer (e.g. hospice/Samaritans)	1 PROV123x_1
-------------------------------------	---------------------

Mother/mother-in-law/stepmother	2	PROV123x_2
Father/father-in-law/stepfather	3	PROV123x_3
Son/daughter/stepson/stepdaughter	4	PROV123x_4
Aunt/uncle	5	PROV123x_5
Sister/brother	6	PROV123x_6
Neighbour/s	7	PROV123x_7
Friend/s	8	PROV123x_8
Ex-Wife/Ex-Husband/Ex-Partner	9	PROV123x_9
Other	10	PROV123x_10

IF PROV123_10 = Selected

Please specify

PROVOTH123x

SHOW CARD C

In total, how many hours do you spend each week looking after or helping this person/these people?

0-4 hours per week	1
5-9 hours per week	2
10-19 hours per week	3
20-34 hours per week	4
35-49 hours per week	5
50-99 hours per week	6
100 or more hours per week/continuous care	7
Varies under 20 hours	8
Varies 20 hours or more	9
Other	10

PROVHO23x

IF PROVHO23 = 10

Please specify

PROVHOTH23x

SHOW CARD D

If you (and your spouse) needed help with daily activities because of sickness, frailty or disability, who would be most likely to provide help? SOCCARE23

Son (including stepson, adopted son or son in law)	1
Daughter (including stepdaughter, adopted daughter, daughter in law)	2
Other family member	3
Friend or neighbour (including voluntary helper)	4
Paid/professional help	5
Other, please specify	6

IF SOCCARE23_O6 = Selected

Please specify

SOCCAREO23x

AD8 - To be asked to a family member or friend

Date at start of ad8 module – **ad8dats23x**

Time at start of ad8 module – **ad8tims23x**

Time (minutes since midnight) at start of ad8 module - **ad8timts23x**

Ask nurse: Did the participant say they did not wish to do the AD8 during the booking phone call? **ad8present23x**

1 Yes → *go to end of module*

2 No

ASK IF AD8Present = 1

During the booking of the visit, we talked about asking some questions to someone who knows you very well to get an independent view on your memory. This is something which is commonly used in research to assess someone's memory. This should take around two or three minutes. Would this be acceptable to you?

1 Yes

2 No → *go to end of module*

AD8Willing23x

Is a person available now in person or on the phone?

NURSE: If a person is not available now you will be asked to collect name, relationship, phone number and any information about availability of this person.

1 Yes (in person)

2 Yes, (over phone)

3 No → *go to end of module*

AD8Present2_23x

ASK IF AD8Present2_23x = 1 or 2

Does this person live with you? **AD8live23x**

1 Yes

2 No

ASK IF AD8Present2_23x = 1 or 2

What is your relationship to the individual who will answer these questions about your memory?

- | | | |
|---|-----------|--------------------------------|
| 1 | Spouse | "Spouse" |
| 2 | CivilP | "Civil partner" |
| 3 | Cohabitee | "Cohabiting partner " |
| 4 | Child | "Son/daughter (incl. adopted)" |
| 6 | FChild | "Foster child" |
| 7 | StChild | "Stepson/stepdaughter" |
| 8 | ILChild | "Son-in-law/daughter-in-"aw" |

9	Parent2	"Parent/guardian"
11	FParent	"Foster parent"
12	StParent	"Step-parent"
13	ILParent	"Parent-in-"aw"
14	Sib	"Brother/sister"
16	StSib	"Step-brother/sister"
18	FSib	"Foster brother/sister"
19	ILSib	"Brother/sister-in-"aw"
20	GChild	"Grand-child"
21	GParent	"Grand-parent"
22	OthRel	"Other relative"
23	NonRel	"Other non-relative"

AD8Rel23x

ASK IF AD8Present2_23x = 1 or 2

NURSE: If it is in person, the interview should ideally take place in a different room from the participant

FOR INFORMANT: I would like to ask you some questions about {participant name}. They have said they are happy for me to ask you these questions. Are you happy to proceed? It should take no more than two to three minutes to complete. The answers are in the strictest confidence and I will not be able to let {participants name} know what you have said.

1 Yes

2 No → *go to end of module*

AD8ProxWill23

I will now ask you some questions about how {Forenames} performs some day to day activities. Please consider each question in the context of whether there has been a change in {Forenames}'s behaviour over the past several years. Answering "Yes, a change" indicates that there has been a change in the last several years caused by cognitive (thinking and memory) problems.

1. Problems with judgement (e.g. problems making decisions, bad financial decisions, problems with thinking)?

1 Yes, a change

2 No, no change

3 Don't know

AD8_judgement23

2. Less interest in hobbies/activities?

1 Yes, a change

2 No, no change

3 Don't know

AD8_interests23

3. Repeats the same things over and over (questions, stories, or statements)?

1 Yes, a change

2 No, no change

3 Don't know
AD8_repetition23

4. Trouble learning how to use a tool, appliance, or gadget (e.g., VCR, computer, microwave, remote control)?

1 Yes, a change
2 No, no change
3 Don't know
AD8_learning23

5. Forgets correct month or year?

1 Yes, a change
2 No, no change
3 Don't know
AD8_mmyy23x

6. Trouble handling complicated financial affairs (e.g., balancing checkbook, income taxes, paying bills)?

1 Yes, a change
2 No, no change
3 Don't know
AD8_financial23x

7. Trouble remembering appointments

1 Yes, a change
2 No, no change
3 Don't know
AD8_appointments23x

8. **Daily** problems with thinking and/or memory?

1 Yes, a change
2 No, no change
3 Don't know
AD8_daily_mem23x

Total AD8 Score = Count number of "1 Yes, a change" AD8_judgement23 to
AD8_daily_memory23
Ad8_totrec23

Progress reporting DVs

{AD8 – consultee phone call. AD8_OC23x}

IF (AD8Present2-23x = No) then AD8_OC23x= 4 'No one present during interview'

ELSEIF (AD8Willing23x=No) then AD8_OC23x= 3'Participant not willing'

ELSEIF (AD8Present2_23x =1 or 2) AND (AD8Willing23x=Yes AND AD8ProxWill23x=Yes)
then AD8_OC23x= 1'willing - completed'

ELSEIF (AD8Present2_23x =1 or 2) AND (AD8Willing23x=Yes AND AD8ProxWill23x<>Yes) then AD8_OC23x= 2 'Participant willing but family member/friend not willing – not completed'

Date at end of ad8 module – **ad8date23x**

Time at end of ad8 module – **ad8time23x**

Time (minutes since midnight) at end of ad8 module - **ad8timte23x**

Total time of ad8 module - **ad8tot23x**