Understanding Society
Wave 2 Year 2 and Wave 3 Year 1 Nurse Visit
CAPI Program documentation

HOUSEHOLD LEVEL

Elig

NURSE: The people in this HH who are eligible for a nurse visit are:

No	Name	Sex	Age	DoB	TU Outcome
[number]	[name]	[sex]	[sex]	[sex]	[agreed /refused /unknown]

The following people in the HH are NOT eligible for a nurse visit:

No	Name	Sex	Age	DoB	Reason
[number]	[name]	[sex]	[sex]	[sex]	[aged under 16 /not interviewed in person / not interviewed in English /deceased]

1. Press <1> and <Enter> to continue.

SchDisp

NURSE: To interview each person, press <Ctrl Enter> and select the corresponding nurse schedule as listed below.

No	Name	Sex	Age	DoB	TU Outcome
[number]	[name]	[sex]	[sex]	[sex]	[agreed /refused /unknown]

Press <Ctrl Enter> to select a nurse schedule for the person you want to interview, or to quit this form.

PERSON LEVEL

IF TU Outcome = 1 THEN

   Info
   NURSE: You are in the Nurse Schedule for...
   Person [Respondent Serial Number]
   Name [Respondent Name]
   Can you interview this person? To leave this schedule for now, press <Ctrl Enter>
   1. Yes, I will do the interview now
   2. No, I will not be able to do this interview
   [NODK, NORF]
END OF FILTER

IF TU Outcome = 2 THEN

   RefInfo
   NURSE: [Respondent name] is not recorded as agreeing to a nurse visit. Please first
   check if [he/she] wants to go ahead **.**
   Can you interview this person? To leave this schedule for now, press <Ctrl Enter>.
   1. Yes, [agrees to nurse visit] {change}
   2. No, [refuses nurse visit] {still}
   [NODK, NORF]
END OF FILTER

IF Info = 2 OR RefInfo = 2 THEN

   NurOut
   NURSE: Why were you not able to complete the nurse schedule for person [respondent
   name] [respondent serial number]
   11. Nurse visit conducted - blood sample sent to lab
   12. Nurse visit conducted - no blood sample to lab
   31. Individual has left household
   32. Contact made at household but not with this respondent
   41. Refusal by person at appointment booking stage
   42. Refusal by person at visit stage
   43. Office refusal
   44. Proxy refusal
   45. Broken appointment, no further contact
   46. Ill at home/in hospital/away during f/w period (until Mar 2011)
   51. Physically / mentally unable
   61. Other unproductive
   71. Respondent is pregnant
   72. Respondent has died
   81. Whole household unproductive (refusal/no contact/moved/not covered)
   [NODK, NORF]
END OF FILTER {End of nurse schedule and returns to parallel blocks}

IF Info = 1 OR RefInfo = 1 THEN

StrtNur
NURSE: Enter the start time of the interview in hours and minutes using the 24-hour clock (e.g 17:30).
TIMETYPE
[NODK, NORF]

DateOK
NURSE: Today's date according to the laptop is [automatically recorded date of interview]
Is this the correct date?
1. Yes
2. No
[NODK, NORF]

IF DateOK=2 THEN

NurDate
NURSE: Enter the date of this interview.
DATETYPE
[NODK, NORF]

ENDIF

PCheck
NURSE: CHECK WITH RESPONDENT [respondent name]: 'Can I just check your personal details?' READ OUT DATE OF BIRTH…
Date of birth: [respondent DoB]
Sex: [respondent Sex]
NURSE: If you are in the wrong individual schedule press <Ctrl Enter> and find the correct one.
If the details for this person need amending you can change them here.
Please check carefully: Do these correspond to the person you are about to interview?
1. Yes
2. No, wrong date of birth
3. No, wrong sex
4. No, date of birth and sex are both wrong
[NODK, NORF]

IF PCheck = 2 OR PCheck=4 THEN

NDoB
NURSE: Enter the correct date of birth.
DATETYPE

END OF FILTER

IF PCheck = 3 OR PCheck=4 THEN

NSex
NURSE: Code the correct sex.
1. Male
2. Female

END OF FILTER

COMPUTED VARIABLE

ConfAge

RANGE: 0..120

{Age of respondent based on Nurse entered date of birth and date at time of household interview.}

DispAge

CHECK WITH RESPONDENT: So your age is [ConfAge]?

1. Yes
2. No

IF Info = 1 OR RefInfo = 1 THEN
    IF RSex = 2 THEN

        PregNTJ
        Can I check, are you pregnant at the moment?

        1. Yes
        2. No
    END OF FILTER

    IF PregNTJ = 1 THEN
        PregMes
        NURSE: Respondent is pregnant.
        No interview required.
        Press <1> and <Enter> to continue.
        1. Continue
    END OF FILTER

COMPUTED VARIABLE

NCPregJ

1. Pregnant
2. NotPreg

IF PregNTJ = 1 THEN NCPregJ =1
ELSE NCPregJ =2 ENDIF

    EndReach
    NURSE: End of questionnaire reached.
    Press <1> and <Enter> to continue.
    1. Continue
    [NODK, NORF]
END OF FILTER

BFCK2

Can I check, have you had a pacemaker or an internal defibrillator fitted?

NURSE: If they are fitted with such a device, do not measure weight or body fat.

1. Respondent fitted with pacemaker/internal defibrillator
2. No pacemaker/internal defibrillator

IF BFCK2 = 1 THEN

   SIGNAL

NURSE: You have coded that the respondent has been fitted with a pacemaker. This means that no weight and body fat measurements are to be taken.

Is this correct?

If yes suppress this warning and continue. If no, go back and code 2.

END OF FILTER

Prescribed Medicines

MedCNJD
Are you taking or using any medicines, pills, syrups, ointments, puffers or injections prescribed for you by a doctor or a nurse?
NURSE: If statins have been prescribed by a doctor please code them here.
If they have been bought without a prescription code at the Statins question.
1. Yes
2. No
3. Yes, but unable to code as name of drug(s) not available.

IF (MedCNJD = 1) THEN
> **MedIntro**
> Could I take down the names of the medicines, including pills, syrups, ointments, puffers or injections, prescribed for you by a doctor or a nurse?
> NURSE: Including the contraceptive pill.
> 1. Press <1> and <Enter> to continue.
>
> *LOOP UP TO 22 TIMES*
> > **MedBI**
> > NURSE: Enter name of drug number [1..22].
> > Ask if you can see the containers for all prescribed medicines currently being taken.
> > If Aspirin, record dosage as well as name.
> > STRING[50]
> >
> > **MedBIA**
> > Have you taken/used [MedBI] in the last 7 days?
> > 1. Yes
> > 2. No
> >
> > **MedBIC**
> > NURSE CHECK: Any more drugs to enter?
> > 1. Yes
> > 2. No
> > [NODK, NORF]
> *END OF LOOP*
END OF FILTER

TBMed
Are you currently taking any medications for the treatment of tuberculosis?
1. Yes
2. No

Statins
Can I just check, are you taking statins (drugs to lower cholesterol) bought over the counter
from a pharmacist, without prescription from a doctor?
NURSE: Here are some examples of common statins, which may be bought over the counter:
Atorvastatin (Lipitor)
Fluvastatin (Lescol, Lescol XL)
Pravastatin (Lipostat)
Rosuvastatin (Crestor) and Simvastatin (Zocor)
1. Yes
2. No

IF (Statins = 1) THEN
> **StatinA**
> Have you taken/used statins in the last 7 days?
> 1. Yes
> 2. No

END OF FILTER

IF (Age [18..49]) AND (RSex = Female) THEN
> **Folic**
> At present, are you taking any folic acid supplements such as Solgar folic acid,
> Pregnacare tablets, Sanatogen Pronatal, or Healthy Start, to supplement your diet or
> improve your health?
> 1. Yes
> 2. No

> *IF (PreNTJ = 1 AND Folic = 1) THEN*
> > **FolPreg**
> > Did you start taking folic acid supplements before becoming pregnant?
> > 1. Yes
> > 2. No

> > > *IF (FolPreg = 1) THEN*
> > > > **FolPreg12**
> > > > Have you been taking folic acid supplements for the first 12 weeks of
> > > > your pregnancy?
> > > > 1. Yes
> > > > 2. No
> > > *END OF FILTER*

> *IF (Folic = 1) THEN*
> > **FolPregHR**
> > People can take folic acid for various health reasons. Are you taking folic acid
> > supplements because you hope to become pregnant?
> > 1. Yes
> > 2. No
> *END OF FILTER*
END OF FILTER

IF MedCNJD = 1 THEN

Drug Coding

[ACCESSED THROUGH PARALLEL BLOCK, USUALLY COMPLETED IN RESTING TIME BEFORE BLOOD PRESSURE MEASURED]

LOOP UP TO 22 TIMES

DrC1
NURSE: Enter code for [drug entered at MedBI]
[Enter 999999 if unable to code(fielfd)/ Enter 999996 if unable to code (edit)]
STRING[6]
[NODK, NORF]

IF (first two digits of DrC1 = '02') AND DrC1 <> '021201' AND DrC1 <> '021202'

YTake1
Do you take [drug entered at MedBI] because of a heart problem, high blood pressure or for some other reason?
CODE ALL THAT APPLY
1. Heart problem
2. High blood pressure
3. Other reason

IF YTake= 3

TakeOth1
NURSE: Give full details of reason(s) for taking [drug entered at MedBI].
Press <Esc> when finished.
:OPEN
END OF FILTER
END OF FILTER
END OF LOOP

StrtDrug
: TIMETYPE

EndDrug
: TIMETYPE

DrugMins
Number of minutes to complete drug coding
RANGE: 0..99
NumDrugs
Number of drug codes for this person
RANGE: 0..22

Height

HgtInt
NURSE: Now follows the @IHeight Measurement@I module.
Press <1> and <Enter> to continue
1. Continue

HtIntro
I would now like to measure your height.
NURSE : Press <1> and <Enter> to continue.
1. Continue

HOW TO READ THE QUESTIONAIRE:

RespHts

NURSE: Measure standing height and code below. Include 'disguised' refusals such as 'It will take too long', 'I have to go out' etc. at code 2: Height refused.

1. Height Measured
2. Height refused
3. Height attempted, not obtained
4. Height not attempted
[NODK, NORF]

IF RespHts = 1 THEN

> **Height**
> NURSE: Record standing height (in centimeters).
> Please record height with one decimal digit, using the full stop as decimal point.
> RANGE: 60..244 [NODK, NORF]

> **RelHite**

> NURSE: Code one only.
> 1. No problems experienced, reliable height measurement
> 2. Problems experienced - measurement likely to be reliable
> 3. Problems experienced - measurement likely to be unreliable

> *IF RelHite = 3 THEN*
> > **HiNRel**
> > NURSE: What caused the height measurement to be unreliable?
> > 1. Hairstyle or wig
> > 2. Turban or other religious headgear
> > 3. Respondent stooped
> > 4. Respondent would not stand still
> > 5. Respondent wore shoes
> > 6. Other, please specify

> > *IF HiNRel = 6 THEN*
> > > **OHiNRel**

NURSE: Please specify what caused unreliable height measurement.
STRING[60]
END OF FILTER
END OF FILTER

MBookHt
NURSE: Enter this height measurement on respondent's Measurement Record Card.
Height: [Respondent height in cm] or [Respondent height in feet and inches]
1. Continue
END OF FILTER

IF RespHts = 2 THEN
    ResNHi
    NURSE: Give reasons for refusal.
    1. Cannot see point/Height already known/Doctor has measurement
    2. Too busy/Taken too long already/ No time
    3. Respondent too ill/frail/tired
    4. Considered intrusive information
    5. Respondent too anxious/nervous/ shy/embarrassed
    6. Refused (no other reason given)
    7. Other
    [NODK, NORF]
END OF FILTER

IF RespHts=3 or RespHts=4 THEN
    NoHtBC
    NURSE: Code reason for not obtaining height.
    CODE ALL THAT APPLY.
    1. Respondent is unsteady on feet
    2. Respondent cannot stand upright/too stooped
    3. Respondent is chairbound
    4. Confined to bed
    5. Respondent unable to remove shoes
    6. Ill or in pain
    7. Stadiometer faulty or not available
    8. Other - specify
    [NODK, NORF]

    IF NoHtBC =8 THEN
        NoHitCO
        NURSE: Please specify other reason for not obtaining standing height
        measurement
        STRING[60]
    END OF FILTER
END OF FILTER

IF RespHts = 2 OR RespHts = 3 OR RespHts = 4 THEN
    EHtCh
    NURSE: Ask the respondent for an estimated height.
    Will it be given in metres or in feet and inches?

If respondent doesn't know height use <Ctrl K>,
If respondent isn't willing to give height use <Ctrl R>.
1. Metres
2. Feet and inches

IF EHtCh=1 THEN
> **EHtm**
> NURSE: Please record estimated height in metres:
> RANGE: 0.01..2.44

END OF FILTER

IF EHtCh = 2 THEN
> **EHtFt**
> NURSE: Please record estimated height.
> Enter feet here.
> RANGE: 0..7
>
> **EHtIn**
> NURSE: Please record estimated height.
> Enter inches here.
> RANGE: 0..11

END OF FILTER

END OF FILTER

COMPUTED VARIABLE
EstHt
Final measured or estimated height (cm)
RANGE : 0.0..999.9

Weight and Body Fat

WgtInt
NURSE: Now follows the Weight and Body Fat Measurement module.
Press 1 and Enter to continue.
1. Continue

IF(BFCK2 = 1) THEN
NoWtBdf
I will not take weight or body fat measurements as it is not advisable to use this equipment with
a pacemaker/internal defibrillator.
Press <1> and <Enter> to continue.
1. Continue
END OF FILTER

IF BFCK2=2 THEN
        RespWts
        NURSE: Measure weight and code.
        Include 'disguised' refusals such as 'It will take too long', I have to go out' etc. as a
        refusal.
        1.   Weight and body fat measured
        2.   Weight only measured
        3.   Weight refused
        4.   Weight attempted, not obtained
        5.   Weight not attempted
        [NODK, NORF]

        IF RespWts=1 OR RespWts=2 THEN
                BFIn
                NURSE: If the respondent weighs more than 130 kg (20 ½ stones) do not
                conduct this measurement. Code as Not attempted at the next question.
                Otherwise, enter the following details into the scales about the respondent:
                Age: [Respondent age in years]
                Gender: [Respondent gender]
                Body type: STANDARD
                Height: [Respondent height in cm]
                Press <1> and <Enter> to continue.
                1. Continue

                Weight
                NURSE: Record weight (in kilograms).
                Record weight with one decimal digit, using the full stop as decimal point.
                RANGE : 1.0..130.0
                [NODK, NORF]

                IF RespWts=1 THEN
                        BFPC
                        NURSE: Enter body fat measurement as displayed on the scales.
                        RANGE: 0.0..100.0

WTPC
NURSE: ENTER WATER PERCENTAGE AS DISPLAYED ON THE SCALES.
RANGE: 0.0..100.0

Only year 2

Feet
NURSE: What did the respondent have on their feet?
INCLUDE THIN NYLON SOCKS OR STOCKINGS WITH THIN TIGHTS
1. Barefoot
2. Thin tights
3. Thick tights / socks
4. Other

Only year 2

END OF FILTER

IF RespWts=2 THEN
NOBF
NURSE: Code reason why you were unable to measure body fat.
CODE ALL THAT APPLY
1. Respondent is wearing pacemaker
2. Height not obtained
3. Not able to take measurement for other reason
END OF FILTER

FloorC
NURSE CODE: Scales placed on?
1. Uneven floor
2. Carpet
3. Neither

RelWaitB
NURSE: Code one only.
Reliability of weight measurement
1. No problems experienced, reliable weight measurement obtained
2. Problems arised, measurement likely to be reliable
3. Problems arised, measurement likely to be unreliable

MBookWt
NURSE: Enter the weight measurement and body fat percentage on the Measurement Record Card.
Weight: [Respondent weight in kg] OR [Respondent weight in stones and pounds]
Body Fat: [[Respondent body fat]
Water percentage: [Respondent water percentage]
If weight looks wrong, go back to 'Weight' and re-weigh.
Press 1 and Enter>to continue.

<div style="border:2px solid red; padding:10px; display:inline-block;">

Year 1 BMI computed and healthy body fat categories given as a rough guide

</div>

1. Continue
END OF FILTER

IF RespWts=3 OR RespWts=4 OR RespWts=5 THEN
    IF RespWts=3 THEN
        ResNWt
        NURSE: Give reasons for refusal.
        1. Cannot see point/Weight already known/Doctor has measurement
        2. Too busy/Taken long enough already/No time
        3. Respondent too ill/frail/tired
        4. Considered intrusive information
        5. Respondent too anxious/nervous/shy/embarrassed
        6. Refused (no other reason given)
        7. Other
        [NODK, NORF]
END OF FILTER

    IF RespWts=4 OR RespWts=5 THEN
    NoWtBC
    NURSE: Code reason for not obtaining weight.
    CODE ALL THAT APPLY.
    1. Respondent is unsteady on feet
    2. Respondent cannot stand upright
    3. Respondent is chairbound
    4. Confined to bed
    5. Respondent unable to remove shoes
    6. Respondent weighs more than 130 kg
    7. Ill or in pain
    8. Scales not working
    9. Other – specify
    [NODK, NORF]

    IF NoWtBC=9 THEN
        NoWatCO
        NURSE: Please specify other reason.

STRING[60]
END OF FILTER
END OF FILTER

EWtCh
NURSE: Ask the respondent for an estimated weight.
Will it be given in kilograms or in stones and pounds?
If respondent doesn't know weight use <Ctrl K>.
If respondent isn't willing to give weight use <Ctrl R>.
1. Kilograms
2. Stones and pounds

IF EWtCh = 1 THEN
    EWtkg
    NURSE: Please record estimated weight in kilograms.
    RANGE: 1.0..210.0
END OF FILTER

IF EWtCh = 2 THEN
    EWtSt
    NURSE: Please record estimated weight.
    Enter stones here. (Enter pounds at the next question.)
    RANGE: 0..32

    EWtL
    NURSE: Please record estimated weight.
    Enter pounds here.
    RANGE: 0..13
END OF FILTER
END OF FILTER
EstWt
Final measured or estimated weight (kg), to be fed into household admin
RANGE: 0.0..999.9
END OF FILTER

IF BFCK=2 THEN
    NoWtBdf
I will not take weight or body fat measurements as it is not advisable to use this
equipment with a pacemaker.
Press 1 and Enter to continue.
1. Continue
END OF FILTER

Waist

WHMod
NURSE: Now follows the Waist Circumference Measurement
Press <1>and <Enter> to continue.
1. Continue

WHIntro
I would now like to measure your waist.
NURSE CODE:
1. Respondent agrees to have waist measured
2. Respondent refuses to have waist measured
3. Unable to measure waist for reason other than refusal

IF WHIntro=1 THEN
       LOOP UP TO 3 TIMES
       {IF difference between first two measurements >3 THEN loop for the third time}
              Waist
              NURSE: Measure the waist circumferences to the nearest mm.
              Enter the [first/second/third] waist measurement in centimetres.
              (Remember to include the decimal point.)
              If measurement not obtained, enter '999.9'.
              RANGE: 10.0..1000.0
              [NODK, NORF]
       END OF LOOP
END OF FILTER

IF Waist[1] = 999.9 OR Waist[2] = 999.9 THEN
       YNoWH
       NURSE: Enter reason for not getting both measurements.
       1. Both measurements refused
       2. Attempted but not obtained
       3. Measurement not attempted
END OF FILTER

COMPUTED VARIABLE

RespWH
1. Both obtained
2. One obtained
3. Refused
4. NoTry
[NODK, NORF]

IF WHIntro=2 THEN RespWH=3
IF WHIntro=3 THEN RespWH=4
IF YNoWH = 1 THEN RespWH = 3
IF YNoWH = 2 THEN RespWH = 4
IF YNoWH = 3 THEN RespWH = 4

IF (Waist[1]<>999.9 AND Waist[1]=RESPONSE) OR (Waist[2]<>999.9 AND Waist[2]=RESPONSE)
THEN RespWH = 1
IF (Waist[1]<> 999.9 AND Waist[2]=RESPONSE) OR (Waist[2]<>999.9 AND Waist[1]=RESPONSE)
THEN RespWH=2

IF RespWH= 2 OR RespWH= 3 OR RespWH= 4 OR YNoWH = 1 THEN

WHPNABM

NURSE: Give reason(s) [for refusal/why unable/for not obtaining measurement/for not attempting/why only one measurement obtained]

CODE ALL THAT APPLY.

1. Respondent is in a wheelchair
2. Respondent is confined to bed
3. Respondent is too stooped
4. Respondent did not understand the procedure
5. Respondent is embarrassed/sensitive about their size
6. No time/busy/already spent enough time on this survey
7. Other (SPECIFY AT NEXT QUESTION)

IF (Other IN WHPNABM) THEN

OthWH

NURSE: Give full details of 'other' reason(s) for not getting full waist measurement

STRING[140]

END OF FILTER

END OF FILTER

IF (WAIST[1] <> 999.9 AND WAIST[1]<> EMPTY) OR (WAIST[2] <> 999.9 AND WAIST[2]<>
EMPTY) THEN

WJRel

NURSE: Record any problems with waist measurement (include here restrictions from type of clothing worn such as saris or religious/cultural items worn on the body):

1. No problems experienced, reliable waist measurement
2. Problems experienced - waist measurement likely to be reliable
3. Problems experienced - waist measurement likely to be slightly unreliable
4. Problems experienced - waist measurement likely to be unreliable

IF WJRel=2 OR WJRel=3 OR WJRel=4 THEN

ProbWJ

NURSE: Record whether problems experienced are likely to increase or decrease the waist measurement.

1. Increases measurement (e.g. bulky clothing)
2. Decreases measurement (e.g. very tight clothing)
3. Measurement not affected

END OF FILTER

END OF FILTER

COMPUTED VARIABLE
Winch = *WAIST / 2.54*

IF RespWH=1 or RespWH=2 THEN

      WHRes

      NURSE: Offer to write results of waist measurements, where applicable onto respondent's Measurement Record Card.

      Waist[1]

      Winch[1]

      Waist[2]

      Winch[2]

      Press <1> and <Enter> to continue.

      1. Continue

END OF FILTER

Blood Pressure

BPMod
NURSE: Now follows the Blood Pressure module.
Press <1> and <Enter> to continue.
1. Continue

BPIntro
I would now like to measure your blood pressure, which tells us a lot about cardiovascular health.

Year 1 text: "(As I mentioned earlier) We would like to measure your blood pressure. The analysis of blood pressure readings will tell us a lot about the health of the population.

Press <1> and <Enter> to continue.
1. Continue

BPConst
NURSE: Does the respondent agree to blood pressure measurement?
1. Yes, agrees
2. No, refuses
3. Unable to measure BP for reason other than refusal
[NODK, NORF]

IF BPConst=1 THEN

> **ConSubX**
> May I just check, have you eaten, smoked, drunk alcohol or done any vigorous exercise in the past 30 minutes?
> CODE ALL THAT APPLY.
> 1. Eaten,
> 2. Smoked,
> 3. Drunk alcohol
> 4. Done vigorous exercise
> 5. None of these
>
> **OMRONNo**
> NURSE: Record blood pressure equipment serial number.
> RANGE: 001..999
>
> **CufSize**
> NURSE: Select cuff and attach to the respondent's right arm.
> Ask the respondent to sit still for five minutes.
> READ OUT: 'Before I start the measurement I'd like you to sit quietly and relax for 5 minutes. During that time you shouldn't talk or read and your legs should be uncrossed

with your feet flat on the floor. After the 5 minutes, I will start the monitor. It will automatically take three readings, with a minute between each one. While I am doing these recordings I will not speak to you, and you shouldn't speak to me either. Once I have completed the recordings I will tell you what they are.

I'm just going to record the air temperature whilst we wait.

Record cuff size chosen.

1. Child (15-22 cm)
2. Adult (22-32 cm)
3. Large adult (32-42 cm)

AirTemp

NURSE: Record the ambient air temperature.

Enter the temperature in centigrades to one decimal place.

RANGE: 00.0..40.0

{If drug coding has not yet been completed an option to go to drug coding module appears at this point}

DrCod2

NURSE: To do the drug coding now, press <Ctrl Enter>, select Drugs[^PSeq] with the highlight bar and press <Enter>.

Else, press <1> and <Enter> to continue

1. Continue

BPReady

NURSE: Once respondent has sat still for 5 minutes you are ready to take the measurements.

Ensure the Ready to measure symbol is lit before pressing the Start button to start the measurements.

Press <1> and <Enter> to continue

1. Continue

LOOP 3 TIMES

Map

Take three measurements from right arm. Enter [first/second/third] reading (mmHg).

If reading not obtained, enter 999.

If you are not going to get any bp readings at all enter "996".

RANGE: 001..999

Pulse[1/2/3]

Enter [first/second/third] pulse reading (bpm).

If reading not obtained, enter 999.

RANGE: 001..999

Sys[1/2/3]

Enter [first/second/third] systolic reading (mmHg).

If reading not obtained, enter 999.

RANGE: 001..999

Dias[1/2/3]

Enter [first/second/third] diastolic reading (mmHg).

If reading not obtained, enter 999.

RANGE: 001..999
END OF LOOP

IF NO FULL READING OBTAINED THEN
> **YNoBP**
> NURSE: Enter reason for not recording any full BP readings.
> 1. Blood pressure measurement attempted but not obtained
> 2. Blood pressure measurement not attempted
> 3. Blood pressure measurement refused

END OF FILTER

COMPUTED VARIABLE

RespBPS
1. Three
2. Two
3. One
4. Tried
5. NoTry
6. Refused

IF [3 full readings obtained] THEN RespBPS=3
IF [2 full readings obtained] THEN RespBPS=2
IF [1 full readings obtained] THEN RespBPS=1
IF YNoBP = 1 THEN RespBPS=4
IF YNoBP = 2 THEN RespBPS=5
IF YNoBP = 3 THEN RespBPS=6
IF BPConst = 2 THEN RespBPS=6
IF BPConst = 3 THEN RespBPS=5

IF (RespBPS=2..6) OR BPConst=2 THEN
> **NAttBPD**
> NURSE: Record why ^not_obtained
> CODE ALL THAT APPLY.
> 1. Problems with PC
> 2. Respondent upset/anxious/nervous
> 3. Error reading
> 4. Problems with cuff fitting/painful
> 5. Problems with equipment (not error reading)
> 95. Other reason(s) (specify at next question)

END OF FILTER

IF NAttBPD=95 THEN
> **OthNBP**
> NURSE: Enter full details of other reason(s) for not obtaining/attempting three
> BP readings.
> STRING[140]

END OF FILTER

IF RespBPS=1..3 THEN

    DifBPC

    NURSE: Record any problems taking readings.

    CODE ALL THAT APPLY.

    1. No problems taking blood pressure
    2. Reading taken on left arm because right arm not suitable
    3. Respondent was upset/anxious/nervous
    4. Problems with cuff fitting/painful
    5. Problems with equipment (not error reading)
    6. Error reading
    95. Other problems (specify at next question)

END OF FILTER

IF DifBPC=95 THEN

    OthDifBP

    NURSE: Record full details of other problem(s) taking readings.

    STRING[140]

END OF FILTER

COMPUTED VARIABLES

ConRais

0. Not considerably raised
1. Considerably raised

IF (Sys[1]>179 OR Sys[2]>179) OR (Dias[1]>114 OR Dias[2]>114) THEN ConRais=1 ELSE ConRais=0

ModRais

0. Not moderately raised
1. Moderately raised

IF (Sys[1]=160..179 OR Sys[2]= 160..179) OR (Dias[1]=100..114 OR Dias[2]= 100..114) THEN MidRais=1 ELSE MidRais=0

MilRais

0. Not mildly raised
1. Mildly raised

IF (Sys[1]=140..159 OR Sys[2]= 140..159) OR (Dias[1]=90..99 OR Dias[2]= 90..99) THEN MidRais=1 ELSE MildRais=0

NormBP

1. Normal blood pressure

IF (Sys[1]<140 OR Sys[2] <140) OR (Dias[1] <90 OR Dias[2]<90) THEN NormBP=1 ELSE NormBP=0

IF (RespBPS=1..3) THEN

    BPOffer

    NURSE: Offer blood pressure results to [respondent name]

Systolic	Diastolic	Pulse
Sys[1]	Dias[1]	Pulse[1]
Sys[2]	Dias[2]	Pulse[2]
Sys[3]	Dias[3]	Pulse[3]

    Enter these on [respondent name] Measurement Record Card

    NURSE: Tick the [considerably raised/moderately raised/mildly raised] box and read out to respondent:

    Your blood pressure is high today.

    Blood pressure can vary from day to day and throughout the day so that one high reading does not necessarily mean that you suffer from high blood pressure.

    You are strongly advised to visit your GP within [5 days/two weeks/two months] to have a further blood pressure reading to see whether this is a one off finding or not.

    {If blood pressure is 'considerably raised' the nurse is given a further prompt to contact the survey doctor when they get home.}

    Press <1> and <Enter> to continue

    1. Continue

    END OF FILTER

END OF FILTER

COMPUTED VARIABLE

AvPulse
Derived: average of 2nd and 3rd pulse readings
RANGE: 0..999
[NODK, NORF]

IF ([Blood Pressure Module–BPRead[2]–Pulse]= 1..900) AND ([Blood Pressure Module–BPRead[3]–Pulse]= 1..900) THEN AvPulse= ([Blood Pressure Module–BPRead[2]–Pulse]+[Blood Pressure Module–BPRead[3]–Pulse])/2
ELSE AvPulse=999

Grip Strength

GrInt
NURSE: Now follows the Grip Strength module.
Press <1> and <Enter> to continue.
1. Continue

MMGSDom
Now I would like to assess the strength of your hand in a gripping action.
ASK OR CODE: Are you right or left handed?
1. Right handed
2. Left handed

MMGSSta
Can I just check, have you had a recent hand injury or surgery to either hand within the last six months?
NURSE: If yes, do not attempt grip strength measure with affected hand(s). If respondent cannot use hand(s) for this or any other reason, code below.
Record respondent status.
1. Respondent has the use of both hands
2. Respondent is unable to use [Dominant] hand
3. Respondent is unable to use [Non Dominant] hand
4. Respondent is unable to use either hand

IF (MMGSSta = 4) THEN
>   **MMGSStp**
>   NURSE: No handgrip measurement to be taken.
>   Press <1> and <Enter> to continue with the next section.
>   1. Continue
END OF FILTER

ELSE
>   **MMGSWil**
>   To take the measurement I will count up to three and then ask you to squeeze this handle as hard as you can, just for two or three seconds and then let go.
>   NURSE: Demonstrate.
>   READ OUT: I will take three measurements from each hand, switching hands between each measurement. Are you willing to have your handgrip measured?
>   1. Yes
>   2. No
>   3. Unable to take measurement
>
>   *IF(MMGSWil = 1) THEN*
>   >   **MMGSInt**
>   >   NURSE: Position the respondent correctly. Adjust gripometer to hand size by turning the lever and reset arrow at zero. Explain the procedure once again. Show the respondent how to do the test and let [him/her] practice with one hand.
>   >   Press <1> and <Enter> to continue.
>   >   1. Continue
>   *END OF FILTER*

IF MMGSSta=1 OR MMGSSta=2 THEN

MMGSN1

NURSE: [Non dominant] hand, [first] measurement.

Say: 'One, two, three, squeeze!'

Enter the result to the nearest whole value.

RANGE: 0..100

END OF FILTER

IF MMGSSta=1 OR MMGSSta=3 THEN

MMGSD1

NURSE: [Dominant] hand, [first] measurement.

Say: 'One, two, three, squeeze!'

Enter the result to the nearest whole value.

RANGE: 0..100

END OF FILTER

IF MMGSSta=1 OR MMGSSta=2 THEN

MMGSN2

NURSE: [Non dominant] hand, [second] measurement.

Say: 'One, two, three, squeeze!'

Enter the result to the nearest whole value.

RANGE: 0..100

END OF FILTER

IF MMGSSta=1 OR MMGSSta=3 THEN

MMGSD2

NURSE: [Dominant] hand, [second] measurement.

Say: 'One, two, three, squeeze!'

Enter the result to the nearest whole value.

RANGE: 0..100

END OF FILTER

IF MMGSSta=1 OR MMGSSta=2 THEN

MMGSN3

NURSE: [Non dominant] hand, [third] measurement.

Say: 'One, two, three, squeeze!'

Enter the result to the nearest whole value.

RANGE: 0..100

END OF FILTER

IF MMGSSta=1 OR MMGSSta=3 THEN

MMGSD3

NURSE: [Dominant] hand, [third] measurement.

Say: 'One, two, three, squeeze!'

Enter the result to the nearest whole value.

RANGE: 0..100

END OF FILTER

MMGSTP

NURSE: Record respondent's position.

1. Standing without arm support
2. Sitting without arm support
3. Standing with arm support
4. Sitting with arm support

MMGSRes

NURSE CHECK: Code one only.

1. All measures obtained
2. Some measures obtained
3. No measures obtained

IF MMGSRes=1 THEN

> **MMGSPrX**
> NURSE: Record any problems taking the grip strength measurement.
> Press <Enter> if no problems encountered.
> Press <Alt S> to close the text window and save your answer.
> OPEN

END OF FILTER

IF MMGSRes=2 OR MMGSRes=3 THEN

> **MMGSPrB**
> NURSE: Give reasons why no or only some measures were obtained.
> CODE ALL THAT APPLY.
> 1. Respondent refusal
> 2. Respondent in pain in hand/joints/muscles
> 3. Equipment failure
> 95. Other (specify at next question)
>
> *IF MMGSPrB=95 THEN*
>
> > **MMGSPrO**
> > NURSE: Give details of why no or only some measures obtained.
> > STRING [40]
> *END OF FILTER*
END OF FILTER

END OF FILTER

IF Medicins.TBMed = No AND BPress.AvPulse < 121 AND IF Region<>
Scotland THEN
LUNG FUNCTION (England and Wales)

LungMod
NURSE: Now follows the **Lung Function** module
Press <1> and <Enter> to continue.
1. Continue

LungInt
The next part of my visit is a lung function test. This will involve you breathing out as hard and as fast as you can for as long as you can into a tube. Before I explain more about the test, I need to ask you a couple of questions to make sure it is safe for you to do.
Press <1> and <Enter> to continue.
1. Continue

LungSurg
Can I check, have you had abdominal or chest surgery in the past 3 months?
1. Yes
2. No

IF (LungSurg = 2) THEN
> **LungEye**
> Do you have detached retina or have you had eye or ear surgery in the past 3 months?
> 1. Yes
> 2. No
>
> *IF (LungEye = 2) THEN*
> > **LungHrt**
> > Have you had a heart attack in the past 3 months?
> > 1. Yes
> > 2. No
> >
> > *IF (LungHrt <> 1) THEN*
> > > **LungHosp**
> > > Have you been admitted to hospital with a heart complaint in the past month?
> > > 1. Yes
> > > 2. No
> > *END OF FILTER*
> *END OF FILTER*
END OF FILTER

COMPUTED VARIABLE

LungEx
Excluded from lung function test?
1. Yes
2. No

IF (LungSurg =Yes OR LungEye=Yes OR LungHrt=Yes OR LungHosp=Yes) THEN LungEx=Yes
ELSE LungEx=No

IF LungEx= 1 THEN

NoLungT

NURSE: This respondent is not eligible for a lung function test.

- Explain to the respondent that it will not be safe for them to do the lung function test.

1.   Press <1> and <Enter> to continue.

END OF FILTER

IF LungEx= 2 THEN

LungTest

A 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 it's 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. 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. To get an accurate test you will need to do more than one blow.

Would you be willing to have your lung function measured?

1.   Yes, agrees

2.   No, refuses

3.   Yes but unable to take lung function measurement for reason other than refusal

IF (LungTest= 2 OR LungTest= 3) THEN

NoAttLF

NURSE: Record why unable to take reading.

CODE ALL THAT APPLY.

0.   Problems with PC

1.   Respondent is breathless

2.   Respondent is unwell

3.   Respondent upset/anxious/nervous

4.   Nurse concern over respondent safety

5.   Equipment / software problems

95. Other reason (PLEASE SPECIFY)

IF NoAttLF=95 THEN

NoAttO

NURSE: Give other reason why the respondent did not attempt / refused lung function test.

STRING[250]

END OF FILTER

END OF FILTER

LungSmok

Can I just check, have you smoked in the last 24 hours? This may have been a cigarette, cigar or pipe.

1.   Yes

2.   No

IF LungSmok = 1 THEN

LungSmHr

How many hours ago did you last smoke?

NURSE: Code the number of hours. If less than one hour, code 0.

0..24

END OF FILTER

LungInhl

(Can I just check) have you used an inhaler, puffer or any medication for your breathing in the last 24 hours?

1. Yes
2. No

IF LungInhl = 1 THEN

    LungInHr

    How many hours ago did you last use it?

    NURSE: Code the number of hours. If less than one hour, code 0.

    RANGE: 0..24

END OF FILTER

LungPrac

NURSE: Launch the spirometry program and Explain the manoeuvre to the respondent.

Point out the following:

Tight seal round the spirette

Breathe in as deeply as possible

Straightaway 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 them through

Demonstrate the blow to the respondent

Give the spirometer to the respondent. Ask them to breath normally.

PRESS <1> AND <Enter> TO LAUNCH THE SPIROMETRY SOFTWARE.

1. Yes
2. No

COMPUTED VARIABLES

HTFVC

Highest technically satisfactory value for FVC.

RANGE: 0.00..9.96

PRFVC

Predicted value for FVC.

RANGE: 0.00..9.96

PCFVC

FVC as percentage of predicted FVC.

RANGE: 0..100

HTFEV

Highest technically satisfactory value for FEV.

RANGE: 0.00..9.95

PRFEV

Predicted value for FEV.

RANGE: 0.00..9.95

PCFEV
FEV as percentage of predicted FEV.
RANGE: 0..100

HTPEF
Highest technically satisfactory value for PEF.
RANGE: 0..995

PRPEF
Predicted value for PEF.
RANGE: 0..995

PCPEF
PEF as percentage of predicted PEF.
RANGE: 0..100

Quality
Derived: Outcome from lung function software (A - F).
Testing: Enter quality level letter.
STRING[1]

IF (Quality = 'C' OR Quality = 'D' OR Quality = 'F') THEN
    QualCDF
    Nurse: Code the reason for the session quality for this respondent.
    CODE ALL THAT APPLY.
    0. Problems with PC
    1. Respondent did not understand manoeuvre
    2. Respondent stopped due to discomfort
    3. Respondent did not wish to continue for reason other than discomfort
    4. Nurse concern over respondent safety
    5. Caused coughing / breathlessness in respondent
    6. Maximum number of blows reached
    7. Equipment/software problems
    95. Other (PLEASE SPECIFY) (95)
    [NODK,NORF]

    IF QualCDF = 95) THEN
        QualOth
        NURSE: Please give other reason.
        STRING[250]
    END OF FILTER
END OF FILTER

IF (Quality = 'A' OR Quality = 'B'') THEN
    QualAB
    NURSE: Are there any comments which need to be noted about this
    respondent's lung function test.
    1. Yes
    2. No

IF QualAB = 1 THEN

QualABOt

NURSE: Please note comment about this respondent's spirometry test.

STRING[250]

END OF FILTER

END OF FILTER

IF LungPrac=2 THEN

NullLF

NURSE: Record why you were unable to take any readings.

CODE ALL THAT APPLY.

0. Problems with PC
1. Respondent did not understand manoeuvre
2. Respondent stopped due to discomfort
3. Respondent did not wish to continue for reason other than discomfort
4. Nurse concern over respondent safety
5. Caused coughing / breathlessness in respondent
6. Equipment/software problems
95. Other (PLEASE SPECIFY)

[NODK,NORF]

IF NullLF= 95 THEN

NullLFOt

NURSE: Please specify other reason.

STRING[250]

END OF FILTER

END OF FILTER

END OF FILTER

IF Medicins.TBMed = No AND BPress.AvPulse < 121 AND IF Region = Scotland THEN

LUNG FUNCTION (Scotland)

LFInt
NURSE: Now follows the **Lung Function** module.
Press <1> and <Enter> to continue.
1. Continue

HaSurg
Can I check, have you had abdominal or chest surgery in the past three weeks?
1. Yes
2. No

IF (HaSurg = 2) THEN
> **HaEySurg**
> Can I check, have you had eye surgery in the past **four** weeks?
> 1. Yes
> 2. No
>
> *IF (HaEySurg = 2) THEN*
> > **HaStro**
> > Have you been admitted to hospital for a heart complaint in the past six weeks?
> > 1. Yes
> > 2. No
> >
> > *IF (HaStro = 2) THEN*
> > > **ChestInf**
> > > In the past three weeks, have you had any respiratory infections such as influenza, pneumonia, bronchitis or a severe cold?
> > > 1. Yes
> > > 2. No
> > >
> > > **Inhaler**
> > > Can I just check), have you used an inhaler, puffer or any medication for your breathing in the last 24 hours?
> > > 1. Yes
> > > 2. No
> > >
> > > *IF (Inhaler = 1) THEN*
> > > > **InHalHrs**
> > > > How many hours ago did you use it?
> > > > NURSE: Enter number of hours. If less than one hour, code 0.
> > > > RANGE: 0..24
> > > *END OF FILTER*

LFIntro1
(As I mentioned earlier). We would like to measure your lung function
which will help us to find out more about the health of the population.
1.   Press <1> and <Enter> to continue.

END OF FILTER
END OF FILTER
END OF FILTER

IF (HaSurg = 1) OR (HaEySurg = 1) OR (HaStro = 1) THEN
LFCode2
NURSE: No lung function test to be done.
1.   Press <1> and <Enter> to continue.
END OF FILTER

IF (HaSurg = 2) AND (HaEySurg <> 1) AND (HaStro <> 1) THEN
LFWill
Would you be willing to have your Lung Function measured?
1.   Yes, agrees
2.   No, refuses
3.   Unable to take lung function measurement for reason other than refusal

IF (LFWill = 1) THEN
SpirNo
NURSE: Enter the three-digit Spirometer serial number.
RANGE: 1..999
[NODK, NORF]

LFTemp
NURSE: Record the ambient air temperature.
Enter the temperature in **centigrades** to one decimal place.
RANGE: 0.0..40.0

LFRec
NURSE:
- Explain the procedure and demonstrate the test.
- Record the results of five blows by the respondent in the boxes below.
- Record each blow as it is carried out.
- For each blow, enter all three measures and code whether the technique was
satisfactory.
1.   Press <1> and <Enter> to continue.

LOOP UP TO 5 TIMES
FVC
Enter **FVC** reading.
If no reading obtained enter '0'. [If you are not going to obtain any
readings at all enter 9.95]
RANGE: 0.00..9.96

IF FVC<9.95 THEN

FEV
Enter **FEV** reading.
If no reading obtained enter '0'.
RANGE: 0.00..9.95

PF
Enter **PF** reading.
If no reading obtained enter '0'.
RANGE: 0..995

CL
NURSE: Now press the clear button on the spirometer.
1. Press <1> and <Enter> to continue.

Technique
Was the technique satisfactory?
1. Yes
2. No

END OF FILTER
END OF LOOP
END OF FILTER

COMPUTED VARIABLES

NoRead
Flag for no LF readings: was the first FVC coded 9.95?
1. Yes
2. No

NoRead=No
IF FVC=9.95 THEN NoRead=Yes

NLSatLF
Satisfactory blows?
1. Yes
2. No

NLSatLF=No
If Technique= Yes NLSatLF=Yes

IF NoRead = 1 THEN

YNoLF
NURSE: Code reason for not taking any LF readings.
1. Lung function measurement attempted, not obtained
2. Lung function measurement not attempted
3. Lung function measurement refused
[NODK, NORF]

END OF FILTER

IF NoRead = 2 THEN

LFStand

NURSE: Were the measurements taken while respondent was standing or sitting?

1. Standing
2. Sitting

LFResp

NURSE CHECK: Code one only.

1. All 5 technically satisfactory blows obtained
2. Some blows, but less than 5 technically satisfactory blows obtained
3. Attempted, but no technically satisfactory blows obtained
4. All blows refused
5. None attempted

IF (LFResp = 2) THEN

ProbLF

NURSE: Give reasons why less than 5 blows obtained.

CODE ALL THAT APPLY.

1. Refused to continue
2. Breathlessness
3. Coughing fit
4. Equipment failure
5. Other (SPECIFY AT NEXT QUESTION)

IF ProbLF=5 THEN

OthProb

NURSE: Give details of why less than 5 blows obtained.

STRING[40]

END OF FILTER

END OF FILTER

END OF FILTER

IF (LFWill = 2 OR LFWill = 3) OR (LFResp = 3 OR LFResp = 4 OR LFResp = 5) OR (NoRead = 1) THEN

NoAttLF

NURSE: Give reason why lung function measurements were refused, or not attempted, or not obtained.

CODE ONE ONLY.

1. Temperature of house too cold
2. Temperature of house too hot
3. Equipment failure
4. Breathlessness
5. Unwell
6. Other reason why measurements not attempted/refused (SPECIFY AT NEXT QUESTION)

IF NoAttLF = 6 THEN

    OthNoAt

    NURSE: Give details of why lung function measurements were not attempted/refused.

    STRING[40]

    END OF FILTER

END OF FILTER

COMPUTED VARIABLES

NCGPLF
IMPUTED: whether or not satisfactory blow.
1. No technically satisfactory blow
2. At least one technically satisfactory blow

IF NLSatLF=No NCGPLF= No technically satisfactory blow
IF NLSatLF = Yes NCGPLF= At least one technically satisfactory blow

HTFVC
Highest technically satisfactory value for FVC.
RANGE: 0.00..9.96

HTFEV
Highest technically satisfactory value for FEV.
RANGE: 0.00..9.95

HTPF
Highest technically satisfactory value for PF.
RANGE: 0..995

IF (LFResp = 1 OR LFResp = 2) THEN

    NCIns2

    NURSE: Lung function measured.

    Offer lung function results to respondent.

    Enter their **highest FVC** and **highest FEV** and **highest PF** readings on MRC.

    (Complete new record card if required).

    Highest readings listed below.

    Highest FVC: [HTFVC]

    Highest FEV: [HTFEV]

    Highest PF: [HTPF]

    1. Press <1> and <Enter> to continue.

END OF FILTER

Blood sample

BlIntro
NURSE: Now follows the **Blood Sample** module.
Press <1> and <Enter> to continue.
1. Continue

IF (PPAge IN [16..17)] THEN
       NCGuard
       NURSE CHECK:
       1.   Respondent lives with parent or person with legal responsibility
       2.   Does **not** live with parent or person with legal responsibility
       [NODK, NORF]
END OF FILTER

ClotB
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 I will then explain what is involved.
May I just check, do you have a clotting or bleeding disorder?
1. Yes
2. No

AntiC

Year 2 only

And are you currently on anti-coagulant drugs such as Warfarin?
NURSE: IF RESPONDENT IS TAKING ASPIRIN TO THIN THE BLOOD CODE NO HERE.
PRESS <F9> TO SEE A HELP SCREEN WITH A FULL LIST OF ANTI-COAGULANTS.
DO NOT TAKE A BLOOD SAMPLE IF RESPONDENT IS TAKING:
Warfarin
Sinthrome (Acenocoumarol)
Phenindione
Pradaxa (Dabigatran Etexilate)
Xarelto (Rivaroxaban)
TAKE A BLOOD SAMPLE IF RESPONDENT IS TAKING:
Aspirin (Caprin; Nu-Seals)
Flamasacard
Clopidogrel (Plavix)
Dipyridamole (Persantin, Persantin Retard, Asasantin Retard)
Prasugrel (Efient)
Eptifibatide (Inteligrin)
Tirofiban (Aggrastat)
PRESS <Esc> TO CLOSE.
1.   Yes
2.   No

IF (ClotB = 2) THEN
       Fit
       May I just check, have you had a fit (including epileptic fit, convulsion) in the last five years?

1. Yes
2. No

END OF FILTER
IF (Fit = 2) THEN

BSWill
NURSE: Explain purpose and procedure for taking blood.
Would you be willing to have a blood sample taken?
1. Yes
2. No
3. Respondent unable to give blood sample for reason other than refusal (Please specify)
[NODK, NORF]

IF BSWill = 2 THEN

RefBSC
NURSE: Record why blood sample refused.
CODE ALL THAT APPLY.
1. Previous difficulties with venepuncture
2. Dislike/fear of needles
3. Respondent recently had blood test/health check
4. Refused because of current illness
5. Worried about HIV or AIDS
6. Not receiving feedback on results
7. No information about what blood will be tested for
95. Other (**specify at next question**)

IF RefBSC=95 THEN

OthRefBS
NURSE: Give full details of other reason(s) for refusing blood sample.
STRING[135]
END OF FILTER
END OF FILTER

IF BSWill = 3 THEN

BlNotOb
NURSE: Give full details of reason(s) why blood sample not obtained.
STRING[120]
END OF FILTER

IF BSWill = 1 THEN

BSConsC
NURSE: Explain need for written consent.
Before I can take any blood, I have to obtain written consent from you.
1. Press <1> and <Enter> to continue.

BSCons
NURSE:
- Ask the ^respondent to read and complete point number one in the 'Blood Sample Consent' section of the **yellow** consent booklet.
- Circle consent code **01** on page 2 of the Consent Booklet.
1. Press <1> and <Enter> to continue.

ConStorB
ASK RESPONDENT: May we have your consent to store the blood sample for future analysis?
IF NECESSARY:
Your blood will not be analysed immediately but will be available for scientific research in the future.
- Any analysis will have to be approved by an independent committee.
- The stored blood will **not** be available for commercial purposes.
- The blood will be stored at a secure storage facility; your name and address will not be attached to the sample.
1. Storage consent given
2. Consent refused
[NODK, NORF]

*IF(*ConStorB= *1 THEN*
   ConStor3
   NURSE:
   - Ask the respondent to read and complete point number two in the 'Blood Sample Consent' section of the **yellow** consent booklet.
   - Circle consent code **03** on page 2 of the Consent Booklet.
   1. Press <1> and <Enter> to continue.

   ConDNA
   ASK RESPONDENT: May we have your consent to take a sample of your DNA from your blood, to be stored and used in scientific research?
   1. DNA consent given
   2. Consent refused
   [NODK, NORF]

   IF ConDNA = 1 THEN
      ConDNA5
      NURSE:
      - Ask the respondent to read and complete point number three in the 'Blood Sample Consent' section of the **yellow** consent booklet.
      - Circle consent code **05** on page 2 of the Consent Booklet.
      1. Press <1> and <Enter> to continue.
   END OF FILTER

   IF ConDNA = 2 THEN
      ConDNA6
      NURSE: Circle consent code **06** on page 2 of the **yellow** Consent Booklet.
      1. Press <1> and <Enter> to continue.
   END OF FILTER

TakeSam

NURSE:

- Check you have all applicable signatures.
- Take blood samples:
  - 1 Plain (red) tube
  - 1 citrate (blue) tube
  - [2/3] EDTA (purple) tubes

  [Note: only 4 tubes required for this respondent.]

- Write the serial number and date of birth onto the **yellow** label using a biro (one label per tube):
  - Serial number: [serialno+checkletter+personno]
  - Date of birth: [ddmmyyyy]

- Ask the respondent their date of birth again and check it is the same.
- Stick the **yellow** label over the label which is already on the tube.

Press <1> and <Enter> to continue.

1. Continue

SampF1

NURSE: Code if the plain **red** tube was filled (include partially filled tube).

1. Yes
2. No

[NODK, NORF]

SampF2

NURSE: Code if the citrate **blue** tube was filled (include partially filled tube).

1. Yes
2. No

[NODK, NORF]

SampF3

NURSE: Code if the **first** EDTA **purple** tube was filled (include partially filled tube).

1. Yes
2. No

[NODK, NORF]

SampF4

NURSE: Code if the **second** EDTA **purple** tube was filled (include partially filled tube).

1. Yes
2. No

[NODK, NORF]

IF (ConDNA = 1) THEN
SampF5
> NURSE: Code if the **third** EDTA **purple** tube was filled (include partially filled tube).
> 1. Yes
> 2. No
> [NODK, NORF]

END OF FILTER

COMPUTED VARIABLE

SampTak
Blood sample outcome
1. Blood sample obtained
2. No blood sample obtained

SampTak= No
IF (SampF1 = Yes) OR (SampF2 = Yes) OR (SampF3 = Yes) OR (SampF4 = Yes) OR (SampF5 = Yes) THEN
SampTak= Yes

IF SampTak = 1 THEN
> **SampArm**
> NURSE: Code from which arm the blood was taken.
> 1. Right
> 2. Left
> 3. Both
> [NODK, NORF]
>
> **SamDifC**
> NURSE: Record any problems in taking blood sample.
> CODE ALL THAT APPLY.
> 1. No problem
> 2. Incomplete sample
> 3. Collapsing/poor veins
> 4. Second attempt necessary
> 5. Some blood obtained, but respondent felt faint/fainted
> 6. Unable to use tourniquet
> 95. Other (**specify at next question**)
>
> *IF SamDifC = 95 THEN*
> > **OthBDif**
> > NURSE: Give full details of other problem(s) in taking blood sample.
> > STRING[140]
> *END OF FILTER*

END OF FILTER

IF SampTak = 2 THEN
NoBSM
NURSE: Code reason(s) no blood obtained.
CODE ALL THAT APPLY.
1. No suitable or no palpable vein/collapsed veins
2. Respondent was too anxious/nervous
3. Respondent felt faint/fainted
95. Other (**specify at next question**)

IF NoBSM = 95 THEN
  OthNoBSM
  NURSE: Give full details of reason(s) no blood obtained.
  STRING[140]
END OF FILTER
   END OF FILTER
  END OF FILTER
 END OF FILTER
END OF FILTER

IF ClotB=1 OR ClotB = NONRESPONSE OR Fit = 1 OR Fit = NONRESPONSE OR CBSConst = 2 OR (BSWill = 2 OR BSWil l= 3) THEN
 NoCodes
 NURSE: No blood to be taken.
 Circle consent codes 02, 04 and 06 on page 2 of the Consent Booklet.
 Write the serial number and date of birth onto the yellow Consent Booklet:
 Serial number: [respondent serial number]
 Date of birth: [respondent DoB]
 Press <1> and <Enter> to continue.
  1. Continue
END OF FILTER

IF ConStorB = 2 THEN
 NoCodesB
 NURSE: No blood to be taken.
 EXPLAIN: We are not planning to carry out analysis on the blood sample immediately, and so storage of your blood sample would be necessary. Therefore I will not take a blood sample today.
 NURSE: Circle consent code 04 and 06 on page 2 of the Consent Booklet.
 Write the serial number and date of birth onto the yellow Consent Booklet:
 Serial number: [respondent serial number]
 Date of birth: [respondent DoB]
 Press <1> and <Enter> to continue.
  1. Continue
END OF FILTER

IF Blood.TakeSam = 1 THEN
Venepuncture Checks

VpSys
NURSE: Which system did you use to take blood?
1. Vacutainer needle
2. Butterfly needle

VpHand
NURSE: Was the respondent left handed or right handed?
1. Left handed
2. Right handed

VpArm
NURSE: Which arm did you use to take blood?
1. Right arm
2. Left arm
3. Both

VpSkin
NURSE: Code the skin condition of the arm used.
Skin intact
Skin not intact

VpAlco
NURSE: Did you use an alcohol wipe?
1. Yes
2. No

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

VPPress
NURSE: Code who applied pressure to the puncture site.
CODE ALL THAT APPLY.
1. Nurse
2. Respondent
3. Partner or spouse

VpSens
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)

VpProb
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
2.   Haematoma
3.   Swelling
95. Other (describe at next question)
96. None
[NODK, NORF]

IF (VpProb= 95) THEN
       VpOther
       NURSE: Record the details of the other abnormality fully.
       STRING[135]
END OF FILTER

IF (VpProb<> 96) THEN
       VpDetail
       NURSE: You have coded that an abnormality was noted after 5 minutes.
       Please record the action you took when you noticed this abnormality on the office
       despatch note.
       There is space provided on the inside front cover of the adult consent booklet for you to
       write up these details fully.
       1.   Press <1> and <Enter> to continue.
END OF FILTER

VpCheck
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

VpSTime
Time of answering VpProb
:TIMETYPE

VpSDate
Date of answering VpProb
:DATETYPE

AllCheck

Check before leaving the respondent:

You have all applicable signatures in the consent booklet

The respondent has the relevant carbon copies of the consent form(s)

That you have packed your sharps box

> **Year 1 text: "Check before leaving the respondent:**
> **The Respondent has the relevant copy from the consent booklet.**
> **That all details are completed on front of the Consent Booklet, and that their surname has been recorded and spelt correctly.**
> **All necessary sections of the consent booklet have been initialed and that the respondent has printed their name, signed and dated the consent booklet.**
> **That there (are/is) (one/two/three) appropriate consent codes ringed on page 2 of the Consent Booklet."**

Press <1> and <Enter> to confirm that the interview is complete.

1. Continue

[NODK, NORF]

> *IF(Info=1 OR Refinfo=1) AND (NCPregJ=2) THEN*
> **Thank**
> NURSE: PLEASE ENSURE YOU HAVE GIVEN RESPONDENT THE PROMISSORY NOTE FOR THEIR £10 VOUCHER
> Thank respondent for [his/her] co-operation.
> Then press <1> and <Enter> to finish.
> 1. Continue
> [NODK, NORF]
> *END OF FILTER*

{TIMINGS}

StrtTime

Starttime for: [module name/start of schedule/total length]

Just press <Enter>.

TIMETYPE

Elapsed

Timing for: [module name/start of schedule/total length]

Just press <Enter>.

RANGE: 0.00..1440.00

Admin

NChoice
NURSE: Do you now want to...
1. ..return to the main menu,
5. or, complete the admin details and prepare for return to Head Office?
NURSE: Do not select code 5 until you are sure you wish to send the schedule to head office.

NurOutc
NURSE: Final outcome code.
If already entered, just press <Enter>.
If not correct, please change at it the end of the Nurse Schedule [x].
11. Nurse visit conducted - blood sample sent to lab
12. Nurse visit conducted - no blood sample to lab
31. Individual has left household
32. Contact made at household but not with this respondent
41. Refusal by person at appointment booking stage
42. Refusal by person at visit stage
43. Office refusal
44. Proxy refusal
45. Broken appointment, no further contact
46. Ill at home/in hospital/away during f/w period (until Mar 2011)
51. Physically / mentally unable
61. Other unproductive
71. Respondent is pregnant
72. Respondent has died
81. Whole household unproductive (refusal/no contact/moved/not covered)

IF NurOutc=41 OR NurOutc=42 THEN
> **ReaRef**
> NURSE: Enter reason for refusal...
> 1. Cannot/won't find time
> 2. Feels done enough already
> 3. Recently had health check/GP knows health
> 4. Had enough of medical profession
> 5. Doesn't want to know results/tempt fate
> 6. Frightened of procedures
> 7. Other

END OF FILTER

IF (NurOutc=11 OR NurOutc=12) AND FName=EMPTY THEN
> **NFirst**
> NURSE: Please enter the **first name** of the respondent.
> STRING[20]

END OF FILTER

IF (NurOutc=11 OR NurOutc=12) AND SName=EMPTY THEN

NSurn
NURSE: Please enter the **surname** of the respondent.
STRING[20]
END OF FILTER

NRFAdd
NURSE: Was this interview conducted at the address that is printed on the NRF?
[Address[1]]
[Address[2]]
[Address[3]]
[Address[4]]
[Address[5]]
[Postcode]
1. Yes
2. No
[NODK, NORF]

IF NRFAdd = No THEN

NewAdd1
NURSE: Enter first line of the address. Use initial capitals.
STRING[40]
[NODK, NORF]

NewAdd2
NURSE:Enter second line of the address. Use initial capitals.
If no second line, just press <Enter>.
STRING[40]

NewAdd3
NURSE: Enter third line the address. Use initial capitals.
If no third line, just press <Enter>.
STRING[40]

NewAdd4
NURSE: Enter fourth line of the address. Use initial capitals.
If no third line, just press <Enter>.
STRING[40]

NewAdd5
NURSE: Enter fifth line of the address. Use initial capitals.
If no fifth line, just press <Enter>.
STRING[40]

NewAddPC
NURSE: Enter postcode of the address, if known.
Use capital letters and leave a space between the two parts of the postcode, eg 'TY12 8QQ'.
If postcode not known, use <Ctrl K>
STRING[8]
[NORF]

NewTel
NURSE: Enter new telephone number.
If no new number obtained, just press <Enter>.
STRING[15]
END OF FILTER

IF Page=16 OR Page=17 THEN
NPTitle
NURSE: Enter full name of respondent's parent/guardian.
First code **title** (Mr, Mrs, Miss or Ms).
If already entered: please double check.
 Press <Enter> if correct, or type over to amend.
1. Mr
2. Mrs
3. Miss
4. Ms

NPFirst
NURSE: Now enter **first name** of parent/guardian, using initial capitals (eg 'John', not 'john').
If already entered: please double check.
Press <Enter> if correct, or type over to amend.
STRING[20]

NPSurn
NURSE: Now enter **surname** of parent/guardian, using initial capitals (eg 'Smith', not 'smith').
If already entered: please double check.
Press <Enter> if correct, or type over to amend.
STRING[20]
END OF FILTER

IF (NurOutc=31) THEN
SpltAdOb
NURSE: Were you able to obtain an address for this person?
1. Yes
2. No
[NODK, NORF]

IF (SpltAdOb = Yes) THEN
SpltAdd1
NURSE: Enter first line of the address. Use initial capitals.
STRING[40]
[NODK, NORF]

SpltAdd2
NURSE: Enter second line of the address. Use initial capitals.
If no second line, just press <Enter>.
STRING[40]

SpltAdd3

NURSE: Enter third line the address. Use initial capitals.
If no third line, just press <Enter>.
STRING[40]

SpltAdd4

NURSE: Enter fourth line of the address. Use initial capitals.
If no fourth line, just press <Enter>.
STRING[40]

SpltAdd5

NURSE: Enter fifth line of the address. Use initial capitals.
If no fifth line, just press <Enter>.
STRING[40]

SpltAdPC

NURSE: Enter postcode of the address, if known.
Use capital letters and leave a space between the two parts of the postcode, eg
'TY12 8QQ'.
If postcode not known, use <Ctrl K>
STRING[8]
[NORF]

SpltTel

NURSE: Enter new telephone number.
If no new number obtained, just press <Enter>.
STRING[15]

END OF FILTER

END OF FILTER

IF Blood Pressure = 'Considerably Raised' (systolic>179 OR diastolic>114)

BPRaise

NURSE: Please contact survey doctor Ian Forde on 020 7679 5627 or 07974 228120 and
leave the following information:
Interview conducted for Understanding Society on [nurse visit date]. Considerably raised
blood pressure measured for:
[respondent sex] aged [respondent age]
Systolic: [lowest of the final two systolic readings]
Diastolic: [lowest of the final two diastolic readings]
[Title] [First name] [Surname]
Respondent contact numbers(s): [phone number/s]
The office will send a letter to the respondent advising them to contact their GP
NURSE: Enter the date when you contacted survey doctor.
: DATETYPE

END OF FILTER

COMPUTED VARIABLE

NumSched
Number of completed Nurse schedules.
RANG: 0..12

IF NumSched = 0 THEN
> **Outcome**
> NURSE: You haven't completed any Nurse Schedules for this questionnaire.
> Please enter a summary outcome code:
> 91. All eligible respondents are pregnant
> 93. No contact with anyone in household
> 94. Whole household refusal
> 95. Not covered (ran out of time, past end of field work, told to clear out)
> 96. Whole household moved out of area, follow-up address given
> 97. Whole household moved, no follow-up address
> 98. Unable to locate address (after phoning resp.)
> 99. Office refusal
> RANGE: 91..99
> [NODK, NORF]

END OF FILTER

IF (Outcome = 94) THEN
> **HHRefres**
> NURSE:
> What was the reason for household refusal?
> Code main reason only.
> 1. Cannot/won't find time
> 2. Feels done enough already
> 3. Recently had health check/GP knows health
> 4. Had enough of medical profession
> 5. Doesn't want to know results/tempt fate
> 6. Frightened of procedures
> 7. Other
>
> *IF (HHRefRes = 7) THEN*
> > **HHRfOth**
> > NURSE: What was the other reason for household refusal?
> > STRING[100]
> *END OF FILTER*

END OF FILTER

IF (Outcome = 96) THEN
> **MovAdd1**
> NURSE:
> Enter first line of the new address. Use initial capitals.
> STRING[40]
> [NORF]
> **MovAdd2**

NURSE:
Enter second line of the new address. Use initial capitals.
If no second line, just press <Enter>.
STRING[40]

MovAdd3
NURSE:
Enter third line the new address. Use initial capitals.
If no third line, just press <Enter>.
STRING[40]

MovAdd4
NURSE:
Enter fourth line of the new address. Use initial capitals.
If no fourth line, just press <Enter>.
STRING[40]

MovAdd5
NURSE:
Enter fifth line of the new address. Use initial capitals.
If no third line, just press <Enter>.
STRING[40]

MovAddPC
NURSE: Enter postcode of the new address, if known.
Use capital letters and leave a space between the two parts of the postcode, eg 'TY12 8QQ'.
If postcode not known, use <Ctrl K>
STRING[8]
[NORF]

MovTel
NURSE:
Enter new telephone number.
If no new number obtained, just press <Enter>.
STRING[15]
END OF FILTER

SupFlag
NURSE: Have you been accompanied by a supervisor for any work at this household?
1. Yes
2. No

SchDone
NURSE: Have you finished this questionnaire?
Code 1 (Yes) signals that this questionnaire is ready for return to the Head Office.
1. Yes
2. No

NDone

NURSE: That completes the Admin details.

Press <Enter> to leave the questionnaire.