

3 HEALTH MODULE (HE)

HEHELP

Now I would like to ask you some questions about your health. **Would you say your health is...**

INTERVIEWER: READ OUT

1. excellent,
2. very good,
3. good,
4. fair,
5. or, poor?

限制活动

HELL*

[^Do you / Does [^name]] have any long-standing illness, disability or infirmity? By long-standing I mean anything that has troubled [^you / [^name]] over a period of time, or that is likely to affect [^you / [^name]] over a period of time.

1. Yes
2. No

IF whether has long-standing illness = yes

| [HeIll = 1]

HELIM*

(Does this / Do these) illness(es) or disability(ies) limit [^your / [^name's]] activities in any way?

1. Yes
2. No

END OF FILTER

HELWK

Do you have any health problem or disability that limits the kind or amount of paid work you could do, should you want to?

1. Yes
2. No

IF whether health limits paid work = yes

| [HeLWk = 1]

HETEMP

Is this a health problem or disability that you expect to last less than three months?

1. Yes
2. No

END OF FILTER

COVID – 19

The next few questions are about the coronavirus (Covid-19) outbreak that began in February 2020.

INTERVIEWER: Press 1 and [Enter] to continue.

IF not had positive test in either covid study

[(IFFW[spno].CvTestB <> 1)]

HECvTstA

[^Have you/has [^Name]] had any kind of coronavirus (Covid-19) test?

INTERVIEWER PLEASE EXCLUDE ANY ANTIBODY TESTS FOR ADDITIONAL INFORMATION PLEASE PRESS F9

F9: An antibody test is a blood test to check if you've had coronavirus (COVID-19) before or been vaccinated. The test detects your body's response to the virus or vaccination but cannot tell you if you had COVID-19 infection at the time of the test. In the past, you may have been invited to a 'serology study' aiming to collect information on exposure to COVID-19. This study involved study members providing a blood sample which was then tested for COVID-19 antibodies. Please do not answer this question based on the results of a serology study or any other antibody test you may have done.

1. Yes
2. No

END OF FILTER

IF had Covid test [(HECvTestA=1)]

HECvTstB

What was the result of [^your/[Name]'s] coronavirus (Covid-19) test?"

INTERVIEWER: WHERE MORE THAN ONE TEST, CODE 'POSITIVE' IF ANY WERE POSITIVE.

READ OUT IF NECESSARY

1. Positive
2. Negative
3. Inconclusive
4. Waiting for results

END OF FILTER

If had Covid in COVID surveys

[(IFFW[spno].CvTestB=1)]

HECvConf

Our records show that [^you/he/she] [^have/has] told us before that [^you/he/she] [^have/has] had a positive test for coronavirus (Covid-19).

CODE 1 BELOW UNLESS RESPONDENT SPONTANEOUSLY DISPUTES THIS RECORD.

1. Yes
2. No

END OF FILTER

IF confirmed that had COVID in COVID surveys or had a positive test since

[HeCvTstb = 1 or HECvconf=1]

HECvSym

When [^you/[^Name]] had COVID-19, did [^you/he/she] have symptoms?

1. Yes
2. No

HECvHosp

[^Have you/Has he/ Has she] had to stay in hospital for treatment due to coronavirus (Covid-19)?"

1. Yes
2. No

END OF FILTER

IF confirmed that had symptoms

[HECvSym = 1]

HECvSymE

SHOW CARD C1

Which of the following would best describe [^your/his/her] experience of symptoms?
INTERVIEWER: If they have caught COVID-19 more than once, please ask them to answer about the longest episode of illness they experienced.

1. My symptoms were worse at the beginning (the first 1-2 weeks) and then got better
2. My symptoms were worse at the beginning (the first 1-2 weeks) and then mostly got better but some lingered
3. After the first 1-2 weeks, my symptoms got better but then the same symptoms kept/ keep coming back
4. After the first 1-2 weeks, my symptoms got better but I then developed new symptoms
5. Most of my symptoms lasted for 2-3 weeks
6. Most of my symptoms lasted for 4-12 weeks
7. Most of my symptoms lasted for more than 12 weeks
8. SPONTANEOUS: Had COVID very recently so cannot answer |

END OF FILTER

HECvLong

Have [^you/he/she] been told by a doctor that [^you/he/she] [^have/has] any long-standing illness or disability caused by coronavirus (COVID-19)?

INTERVIEWER: IF QUERIED BY RESPONDENT WHY WE ARE ASKING THIS:
"COVID-19 has been linked to several long-lasting conditions despite the severity of the infection (whether someone was symptomatic or asymptomatic)"

1. Yes
2. No

IF have any long-standing illness or disability caused by COVID

[(HECvLong=1)]

HECvLCon

SHOW CARD C2

Please indicate what new condition, illness or disability [^your/his/her] doctor has linked to coronavirus/COVID-19?

1. Fatigue
2. A blood clot in the leg, heart lung or brain
3. Cough
4. Shortness of breath
5. Chest tightness
6. A lung condition
7. Loss of sense of smell
8. Difficulty concentrating

9. Brain fog
10. Headaches
11. Depression and anxiety
12. A heart condition
13. Another condition affecting the mind or brain
14. A condition affecting the nervous system excluding the brain
15. Joint pains
16. Diarrhoea
17. Other – please specify _____

[Code maximum 17 out of 17 possible responses]

Description	Variable	Archive
Fatigue	HECvLCon	HECvLConFA
A blood clot in the leg, heart lung or brain	HECvLCo2	HECvLConBC
Cough	HECvLCo3	HECvLConCG
Shortness of breath	HECvLCo4	HECvLConSB
Chest tightness	HECvLCo5	HECvLConCT
A lung condition	HECvLCo6	HECvLConLC
Loss of sense of smell	HECvLCo7	HECvLConLS
Difficulty concentrating	HECvLCo8	HECvLConDC
Brain fog	HECvLCo9	HECvLConBF
Headaches	HECvLC10	HECvLConHD
Depression and anxiety	HECvLC11	HECvLConDE
A heart condition	HECvLC12	HECvLConHC
Another condition affecting the mind or brain	HECvLC13	HECvLConMB
A condition affecting the nervous system excluding the brain	HECvLC14	HECvLConNS
Joint pains	HECvLC15	HECvLConJP
Diarrhoea	HECvLC16	HECvLConDH
Other	HECvLC17	HECvLConOT

IF type of condition = other
[(HECvLongCon = Other)]

HECvLCnO

INTERVIEWER: Enter name of other condition, illness or disability.
 String 1000

END OF FILTER

HECvLLim

Does this illness or disability limit [[^]your/his/her] activities in any way?

1. Yes
2. No

END OF FILTER

HECvVac

[[^]Have you/ has he/ has she] been offered a vaccine for coronavirus/COVID-19?

INTERVIEWER: CODE (1) EVEN IF ONLY HAD 1 DOSE OF VACCINE SO FAR.

1. Yes, I have been vaccinated
2. Yes, but I am waiting to be vaccinated
3. Yes, but I have decided not to be vaccinated
4. No, I have not been offered a vaccination

IF Yes, I have been vaccinated

[(IF HECvVac=1)]

HECvBVac

[^Have you/ has he/ has she] received a booster vaccine for coronavirus/COVID-19?

1. Yes
2. No

END OF FILTER

Difficulty walking

HEFINT* @

The next question asks about difficulties [^you/[^Name]] may have walking a quarter of a mile because of a health problem. By health problem we mean any long-term physical, mental or emotional problem or illness.

1. Press [1] and [Enter] to continue.

HEFUNC*

By [^yourself / himself / herself] and without using any special equipment, how much difficulty [^do you / does [^name]] have walking for a quarter of a mile? [^Do you / Does he / Does she] have...

INTERVIEWER: READ OUT

1. ...no difficulty,
2. some difficulty,
3. much difficulty,
4. or, [^are you / is he / is she] unable to do this?

Eyesight

HEEYE*

Is [^your / [^name's]] eyesight (using glasses or corrective lens if [^you use / he uses / she uses] them)...

INTERVIEWER: READ OUT

1. ...excellent,
2. very good,
3. good,
4. fair,
5. or, poor?
6. SPONTANEOUS: Registered or legally blind

IF eyesight is fair, poor, or blind [HEEYE = 4, 5, or 6]

HEEYEA*

[^Are/Is] [^you/[^Name]] registered with your local council as partially sighted (also known as sight impaired), or blind (also known as severely sight impaired)?

1. Partially sighted (also known as sight impaired)
2. Blind (also known as severely sight impaired)
3. Not registered as being sight impaired

END OF FILTER

IF (eyesight condition <> blind) [Heeye <> 6]

HEFRND*

How good is [[^]your / [[^]name's]] eyesight for seeing things at a distance, like recognising a friend across the street (using glasses or corrective lenses if [[^]you use / he uses / she uses] them)? Would you say

it is...

INTERVIEWER: READ OUT

1. ...excellent,
2. very good,
3. good,
4. fair,
5. or, poor?

HEPAP*

How good is [[^]your / [[^]name's]] eyesight for seeing things up close, like reading ordinary newspaper print (using glasses or corrective lenses if [[^]you use / he uses / she uses] them)? Would you say

it is...

INTERVIEWER: READ OUT

1. ...excellent,
2. very good,
3. good,
4. fair,
5. or, poor?

END OF FILTER

Eye conditions

Glaucoma

HEEverGL*

If glaucoma recorded in feedforward data (FFHeEverGL = 1) and NOT proxy interview:

[[^]Our records show that you have been told by a doctor, optician or other health professional that you have or have had glaucoma or suspected glaucoma (or you are taking medication or treatment to control glaucoma).

Just to confirm, have you ever had glaucoma or suspected glaucoma?]

If condition not recorded in feedforward (FFHeEverGL = 0) or proxy interview:

[[^]Has a doctor, optician or other health professional ever told [[^]you/[Name]] that [[^]you have /he has /she has] (or [[^]have/has] had) glaucoma or suspected glaucoma?

01 Yes

02 No

If glaucoma recorded in feed forward and respondent says never had glaucoma (FFHeEverGL = 1 AND HEEverGL = No) AND NOT proxy interview

HENvrGL

Just to check, we have a record that when we spoke to you [[^]previously /in [^]FFHEYearGL] you told us you had been diagnosed with glaucoma (or suspected glaucoma). Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,

3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If record incorrect for another reason (HENvrGL = 4)

HENvOtGL

INTERVIEWER: Enter other reason
: STRING

END OF FILTER

END OF FILTER

ASK IF glaucoma is a new condition

[HEEverGL = Yes and FFHeEverGL =0]

HEMthGL* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor, optician or other health professional that [^you/he/she] had glaucoma?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrGL* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range: 1900..2200

END OF FILTER

ASK IF glaucoma is an existing condition

[((HEEverGL = Yes) OR (HEEverGL = No and HENvrGL = 1)) AND FFHeEverGL =1]]

HEAgeGL* (archived under SL/SA)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor, optician or other health professional that [^you /he /she] had glaucoma?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

Ask if ever had glaucoma

[(HEEverGL = Yes) OR (HENvrGL = 1)]

HEHaveGL*

[^Do you/Does [Name]... READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

- 1.... still have glaucoma but [^you are/ she is / he is] **not** taking medication or treatment for it,
2. or, [^do you/ does [Name]] still have glaucoma and [^you are /he is/ she is]] taking medication or treatment for it,
3. or [^do you/does [Name]] no longer have glaucoma?

END OF FILTER

Diabetic Eye Disease

HEEverDE*

If diabetic eye disease recorded in feedforward data (FFHeEverDE = 1) and NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor, optician or other health professional that you have or have had diabetic eye disease (or you are taking medication or treatment to control diabetic eye disease). Just to confirm, have you ever had diabetic eye disease?]

If condition not recorded in feedforward (FFHeEverDE = 0) or proxy interview:

[^Has a doctor, optician or other health professional ever told [^you/[Name]] that [^you have /he has /she has] (or [^have/has] had) diabetic eye disease?]

01 Yes

02 No

If diabetic eye disease recorded in feed forward and respondent says never had diabetic eye disease

[[(FFHeEverDE = 1 AND HEEverDE = No) AND NOT proxy interview]

HENvrDE

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearDE] you told us you had been diagnosed with diabetic eye disease. Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If record incorrect for another reason (HENvrDE = 4)

HENvOtDE

INTERVIEWER: Enter other reason
: STRING

END OF FILTER

END OF FILTER

ASK IF diabetic eye condition is a new condition

[[*(HEEverDI = Yes and FFHeEverDI =0)*]]

HEMthDE* (archived under SL/SA)

When [*^were you / was ^Name*] first told by a doctor, optician or other health professional that [*^you/he/she*] had diabetic eye disease?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrDE* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF diabetic eye condition is an existing condition

[[*((((HEEverDI = Yes) OR (HEEverDI = No and HENvrDI = 1)) AND FFHeEverDI =1))*]]

HEAgeDE* (archived under SL/SA)

Approximately how old [*^were you /was ^name*] when [*^you were /he was /she was*] first told by a doctor, optician or other health professional that [*^you /he /she*] had diabetic eye condition?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

Ask if ever had diabetic eye disease

[[*(HEEverDE = Yes) OR (HENvrDE = 1)*]]

HEHaveDE*

[*^Do you/Does [Name]...READ OUT...*

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

- 1.... still have diabetic eye disease but [*^you are/ she is / he is*] **not** taking medication or treatment for it,
2. or, [*^do you/ does [Name]*] still have diabetic eye disease and [*^you are /he is/ she is*] taking medication or treatment for it,
3. or [*^do you/does [Name]*] no longer have diabetic eye disease]?

END OF FILTER

Macular degeneration

HEEverMD*

If macular degeneration recorded in feedforward data (FFHeEverMD = 1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor, optician or other health professional that you have or have had macular degeneration (or you are taking medication or treatment to control macular degeneration).

Just to confirm, have you ever had macular degeneration?]

If macular degeneration not recorded in feedforward (FFHeEverMD = 0) OR proxy interview:

[^Has a doctor, optician or other health professional ever told [^you/[Name]] that [^you have /he has /she has] (or [^have/has] had) macular degeneration?]

01 Yes

02 No

If macular degeneration recorded in feed forward and respondent says never had macular degeneration

| [(FFHeEverMD = 1 AND HEEverMD = No) AND NOT proxy interview]

HENvrMD

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearMD] you told us you had been diagnosed with macular degeneration. Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If record incorrect for another reason

| [(HENvrMD = 4)]

HENvOtMD

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF macular degeneration is a new condition

| [(HEEverMD = Yes and FFHeEverMD =0)]

HEMthMD* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor, optician or other health professional that [^you/he/she] had macular degeneration?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August
09 September
10 October
11 November
12 December

HEYrMD* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF macular degeneration is an existing condition

*[(((HEEverMD = Yes) OR (HEEverMD = No and HENvrMD = 1)) AND
FFHeEverMD=1))]*

HEAgeMD* (archived under SL/SA)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor, optician or other health professional that [^you /he /she] had macular degeneration?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

Ask if ever had macular degeneration

[(HEEverMD = Yes) OR (HENvrMD = 1)]

HEHaveMD*

[^Do you/Does[^Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

- 1.... still have macular degeneration but [^you are/ she is / he is] **not** taking medication or treatment for it,
2. or, [^do you/ does [Name]] still have macular degeneration and [^you are /he is/ she is] taking medication or treatment for it,
3. or [^do you/does [Name]] no longer have macular degeneration]?

END OF FILTER

Cataracts

HEEverCT*

If cataracts recorded in feedforward data (FFHeEverCT = 1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor, optician or other health professional that you have or have had cataracts (or you are taking medication or treatment to control cataracts).

Just to confirm, have you ever had cataracts?]

If cataracts not recorded in feedforward (FFHeEverCT = 0) OR proxy interview:

[^Has a doctor, optician or other health professional ever told [^you/[Name]] that [^you have /he has /she has] (or [^have/has] had) cataracts?]

01 Yes

02 No

If cataracts recorded in feed forward and respondent says never had cataracts
| *[(FFHeEverCT = 1 AND HEEverCT = No) AND NOT proxy interview]*

HENvrCT

Just to check, we have a record that when we spoke to you [*^previously /in
^FFHEYearCT*] you told us you had been diagnosed with cataracts. Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If record incorrect for another reason (HENvrCT = 4)

HENvOtCT

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF cataracts is a new condition

| *[(HEEverCT = Yes and FFHeEverCT =0)]*

HEMthCT* (archived under SL/SA)

When [*^were you / was ^Name*] first told by a doctor, optician or other health professional that [*^you/he/she*] had cataracts?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrCT* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range: 1900..2200

END OF FILTER

ASK IF cataracts is an existing condition

| *[(HEEverCT = Yes) OR (HEEverCT = No and HENvrCT = 1)] AND FFHeEverCT =1]*

HEAgeCT* (archived under SL/SA)

Approximately how old [*^were you /was ^Name*] when [*^you were /he was /she was*] first told by a doctor, optician or health professional that [*^you /he /she*] had cataracts?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

Ask if ever had cataracts

[[*(HEEverCT = Yes) OR (HENvrCT = 1)*]]

HEHaveCT*

[^Do you/Does [Name]] currently have cataracts?

01 Yes

02 No

END OF FILTER

Ask if ever had cataracts

[[*(HEEverCT = Yes) OR (HENvrCT = 1)*]]

HEDREYE* (archive: HEDREYR)

Text fill if *FFHeEverCT = 1* and NOT proxy interview [^Can I check for our records, has]

Text fill if *FFHeEverCT = 0* OR previously had condition and proxy interview

(*FFHEEverCT = 1 AND proxy*: [^Has] a doctor, optician or other health professional ever recommended that [^you/he/she] [^have/has] your cataracts removed?)

INTERVIEWER: IF RESPONDENT HAS ONLY BEEN TOLD THAT THEIR CATARACTS MIGHT NEED TO BE REMOVED IN THE FUTURE PLEASE CODE

NO

01 Yes

02 No

If ever recommended to have cataracts = Yes

[[*(HEDREYE = Yes)*]]

HECAT*

[^Have you / Has [Name]] ever had cataract surgery?

01 Yes

02 No

IF has had cataract surgery

[[*(HeCat = 1)*]]

HECATN*

Was [^your/[^name's]] cataract surgery paid for privately or by the NHS?

INTERVIEWER: COUNT AS NHS IF THE OPERATION WAS ON PRIVATE PREMISES BUT PAID FOR BY THE. COUNT AS PRIVATE IF THE OPERATION WAS ON NHS PREMISES BUT PAID FOR PRIVATELY. INTERVIEWER: RECORD MOST RECENT IF MORE THAN ONE SURGERY.

1. Privately/Insurance

2. NHS

3. Both

END OF FILTER

END OF FILTER

END OF FILTER

Hearing/ Smell / Taste

HEHEAR*

Is [^your / [^name's]] hearing (using a hearing aid if [^you use / he uses / she uses] one)...

INTERVIEWER: READ OUT

1. ...excellent,
2. very good,
3. good,
4. fair,
5. or, poor?

HEHRA

Do you find it difficult to follow a conversation if there is background noise, such as TV, radio or children playing (using a hearing aid as usual)?

1. Yes
2. No

HESSME*

Is [^your/ [Name]'s] sense of smell...

INTERVIEWER: READ OUT

01. Excellent
02. Very good
03. Good
04. Fair
05. Poor

HESTAS*

Is [^your/ [Name]'s] sense of taste...

INTERVIEWER: READ OUT

01. Excellent
02. Very good
03. Good
04. Fair
05. Poor

Dental

HEDNTA*

Would you say [^your/ [Name]'s] dental health (mouth, teeth and/or dentures) is

INTERVIEWER: READ OUT

- 1....excellent,
- 2....very good,
- 3....good,
- 4....fair,
5. or, poor?

HEDNTB*

SHOW CARD C3

In the past 6 months, have any problems with [^your/ [Name]'s] mouth, teeth or dentures caused [^you/him/her] to have any of the following?

INTERVIEWER: CODE ALL THAT APPLY.

1. Difficulty eating food
2. Difficulty speaking clearly
3. Problems with smiling, laughing and showing teeth without embarrassment

4. Problems with emotional stability, for example, becoming more easily upset than usual
5. Problems enjoying the company of other people such as family, friends or neighbours
96. None of these

[Code maximum 5 out of 6 possible responses]

Description	Variable	Archive
Difficulty eating food	Hedntb1	HeDntB1
Difficulty speaking clearly	Hedntb2	HeDntB2
Problems with smiling, laughing and showing teeth without embarrassment	Hedntb3	HeDntB3
Problems with emotional stability	Hedntb4	HeDntB4
Problems enjoying the company of other people	Hedntb5	HeDntB5
None of these	Hedntb96	HeDntB96

Weight

HESWGH

Given your age and height, would you say that you are...

INTERVIEWER: READ OUT

01. About the right weight
02. Too heavy
03. Too light

HESWGHA

At the present time, are you...

INTERVIEWER: READ OUT

01. Trying to lose weight
02. Tring to gain weight
03. Not trying to change your weight

IF (age >= 65)

HEBPCHK

In the past year, has any doctor or nurse checked your blood pressure?

1. Yes
2. No

END OF FILTER

疾病史

HEIntro @

The next set of questions ask about health conditions.

Text fill if existing ELSA sample member [^We would like to check the information we have collected about you previously to ensure our records are correct.]

Text fill if refreshment sample [^We would like to check the information we have about you from the Health Survey for England is correct.]

: Press 1 to continue

High Blood Pressure

HEEverBP*

If high blood pressure recorded in feedforward data (FFHeEverBP =1) AND NOT proxy interview:

[^Our records show that you have been told by a doctor or other health professional that you have, or have had, high blood pressure or hypertension (or you are taking medication or treatment to control high blood pressure or hypertension). Just to confirm, have you ever had high blood pressure or hypertension?]

If condition not recorded in feedforward (FFHeEverBP =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, high blood pressure or hypertension?]

- 01 Yes
- 02 No

If high blood pressure recorded in feed forward and respondent says never had high blood pressure

| [(FFHeEverBP = 1 AND HEEverBP = No) AND NOT proxy interview]

HENvrBP

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearBP] you told us you had been diagnosed with high blood pressure or hypertension. Is this...

READ OUT

- 1. ...correct, you were diagnosed with this condition,
- 2. incorrect, you have never been diagnosed with this condition,
- 3. incorrect as you were misdiagnosed, or
- 4. incorrect for another reason (please specify)?

If incorrect for another reason

| [(HENvrBP = 4)]

HENvOtBP

INTERVIEWER: Enter other reason
: STRING

END OF FILTER

END OF FILTER

ASK IF high blood pressure is a new condition

| [(HEEverBP = Yes and FFHeEverBP =0)]

HEMthBP* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had high | blood pressure or hypertension?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.
ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October

11 November
12 December

HEYrBP* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF high blood pressure is an existing condition

[(((HEEverBP = Yes) OR (HEEverBP = No and HENvrBP = 1)) AND FFHeEverBP =1))]

HEAgeBP* (archived under SL/SA)

Approximately how old [[^]were you /was [[^]name]] when [[^]you were /he was /she was] first told by a doctor or other health professional that [[^]you /he /she] had high blood pressure or hypertension?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with high blood pressure

[((HEEverBP = Yes) OR (HEEverBP = No and HENvrBP = 1))]

HEHaveBP*

[[^]Do you/Does [[^]Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1.... still have high blood pressure or hypertension but [[^]you are/he is/she is] **not** taking medication or treatment for it,

2.or do [[^]you/[^]Name]] still have high blood pressure or hypertension and [[^]you are/ he is/ she is] taking medication or treatment for it,

3.or [[^]do you/does [[^]Name]] no longer have high blood pressure or hypertension?

END OF FILTER

Angina

HEEverAN*

If angina recorded in feedforward data (FFHeEverAN =1) AND NOT proxy interview:

[[^]Our records [[^]also] show that you have been told by a doctor or other health professional that you have, or have had, angina (or you are taking medication or treatment to control angina).

Just to confirm, have you ever had angina?]

If angina not recorded in feedforward (FFHeEverAN =0) OR proxy interview:

[[^]Has a doctor or other health professional ever told [[^]you/Name] that [[^]you have /he has/ she has], or [[^]have/has] had, angina?]

01 Yes

02 No

If angina recorded in feed forward and respondent says never had angina

[[*(FFHeEverAN = 1 AND HEEverAN = No)* AND NOT proxy interview]

HENvrAN

Textfill if date of diagnosis for angina = RESPONSE (FFHEDataYAN = Response):

[^Just to check, we have a record that you were diagnosed with angina [in ^ FFHEDateMAN FFHEDateYAN], is this...]

Textfill if no date of diagnosis in feedforward (FFHEDataYAN AND FFHEDataMAN <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeAN = Response): [^Just

to check, we have a record that you were diagnosed with angina aged [^FFHEAgeAN], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearAN], you told us you had been diagnosed with angina. Is this...

READ OUT]

- 1...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason

| [[*(HENvrAN = 4)*]

HENvOtAN

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF angina is a new condition

| [[*(HEEverAN = Yes and FFHeEverAN =0)*]

HEMthAN* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had angina?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrAN* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF angina is an existing condition and no date of diagnosis in feedforward

| [(((HEEverAN = Yes) OR (HEEverAN = No and HENvrAN = 1)) and FFHeEverAN =1) AND (FFHEDateMAN <> RESPONSE AND FFHEDateYAN <> RESPONSE)]

HEAgeAN* (archived under SL and SA as heaga)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had angina?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with angina

| [((HEEverAN = Yes) OR (HEEverAN = No and HENvrAN = 1))]

HEHaveAN*

[^Do you/Does [^Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1.... still have angina but [^you are/he is/she is] **not** taking medication or treatment for it,

2.or do [^you/[^Name]] still have angina and [^you are/ he is/ she is] taking medication or treatment for it,

3.or [^do you/does [^Name]] no longer have angina?

END OF FILTER

Heart Attack

ASK ALL

HEEverMI*

If heart attack recorded in feedforward data (FFHeEverMI =1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have had a heart attack (including myocardial infarction / or coronary thrombosis)?

Just to confirm, have you ever had a heart attack (including myocardial infarction or coronary thrombosis)?]

If heart attack not recorded in feedforward (FFHeEverMI =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has] had a heart attack (including myocardial infarction / or coronary thrombosis)?]

01 Yes

02 No

If heart attack recorded in feed forward and respondent says never had a heart attack

| [(FFHeEverMI = 1 AND HEEverMI = No) AND NOT proxy interview]

HENvrMI

Textfill if date of diagnosis for heart attack = RESPONSE (FFHEDateYMI =

Response): [^Just to check, we have a record that you were diagnosed with a heart attack [in ^ FFHEDateMMI FFHEDateYMI], is this...]

Textfill if no date of diagnosis in feedforward (*FFHEDateYMI AND FFHEDateMMI <> RESPONSE*) AND age of diagnosis in feedforward (*FFHEAgeMI = Response*): [^Just to check, we have a record that you were diagnosed with a heart attack aged [^FFHEAgeMI], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearMI], you told us you had been diagnosed with a heart attack. Is this...]

READ OUT

- 1 ...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason

[(HENvrMI = 4)]

HENvOtMI

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF heart attack is a new condition

[(HEEverMI = Yes and FFHeEverMI =0)]

HEMthMI* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had had a | heart attack (including myocardial infarction or coronary thrombosis)?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrMI* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range: 1900..2200

END OF FILTER

ASK IF heart attack is an existing condition and no date of diagnosis in feedforward
| [(((HEEverMI = Yes) OR (HEEverMI = No and HENvrMI = 1)) and FFHeEverMI =1)
| AND [(FFHEDateMMI <> RESPONSE AND FFHEDateYMI <> RESPONSE)]]

HEAgeMI* (archived under SL and SA as heagb)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had had a heart attack (including myocardial infarction or coronary thrombosis)?
INTERVIEWER: ENTER AGE IN YEARS.
Range: 0..110

END OF FILTER

ASK IF heart attack in feedforward and ever diagnosed with heart attack
[(FFHeEverMI =1 AND (HEEverMI = Yes OR (HEEverMI = No AND HENvrMI = 1) and NOT Proxy]

HEOthHA

Since the last heart attack you told us about [(if date of heart attack = RESPONSE): in ^FFHEDateMMI ^FFHEDateYMI], has a doctor or other health professional told you that you have had another heart attack?

- 01 Yes
- 02 No

END OF FILTER

ASK IF ever diagnosed with heart attack
[(HEEverMI = Yes OR (HEEverMI = No AND HENvrMI = 1)]

HEMedHA*

[^Are you/ Is [^Name]] currently taking any prescribed medication or treatment for [^your/his/her] heart attack?

- 01 Yes
- 02 No

END OF FILTER

Congestive Heart Failure

HEEverHF*

If congestive heart failure recorded in feedforward data (FFHeEverHF =1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, congestive heart failure (or you are taking medication or treatment to control congestive heart failure).
Just to confirm, have you ever had congestive heart failure?]

If congestive heart failure not recorded in feedforward (FFHeEverHF =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, congestive heart failure?]

- 01 Yes
- 02 No

If congestive heart failure recorded in feed forward and respondent says never had congestive heart failure

[(FFHeEverHF = 1 AND HEEverHF = No) AND NOT proxy interview]

HENvrHF

Textfill if date of diagnosis for congestive heart failure = RESPONSE (FFHEDateYHF = Response): [^Just to check, we have a record that you were diagnosed with congestive heart failure [in ^ FFHEDateMHF FFHEDateYHF], is this...]

Textfill if no date of diagnosis in feedforward (FFHEDateYHF AND FFHEDateMHF <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeHF = Response):

[^Just to check, we have a record that you were diagnosed with congestive heart failure aged [^FFHEAgeHF], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearHF], you told us you had been diagnosed with congestive heart failure. Is this...]

READ OUT

- 1 ...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason

| [(HENvrHF = 4)]

HENvOthF

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF congestive heart failure is a new condition

| [(HEEverHF = Yes and FFHeEverHF =0)]

HEMthHF* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had | congestive heart failure?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrHF* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF congestive heart failure is an existing condition and no date of diagnosis in feedforward

| [(((HEEverHF = Yes) OR (HEEverHF = No and HENvrHF = 1)) and FFHeEverHF =1)
| AND (FFHEDateMHF <> RESPONSE AND FFHEDateYHF <> RESPONSE)]

HEAgeHF* (archived under SL and SA as heagc)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was]
first told by a doctor or other health professional that [^you /he /she] had congestive
heart failure?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with congestive heart failure

| [((HEEverHF = Yes) OR (HEEverHF = No and HENvrHF = 1))]

HEHaveHF*

| [^Do you/Does [^Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION
BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE
CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR
TREATMENT FOR IT'.

1... still have congestive heart failure but [^you are/he is/she is] **not** taking medication
or treatment for it,

2 or do [^you/[^Name]] still have congestive heart failure and [^you are/ he is/ she is]
taking medication or treatment for it,

3 or [^do you/does [^Name]] no longer have congestive heart failure?

END OF FILTER

Heart Murmur

HEEverHM*

*If heart murmur recorded in feedforward data (FFHeEverHM =1) AND NOT proxy
interview:*

[^Our records [^also] show that you have been told by a doctor or other health
professional that you have, or have had, a heart murmur (or you are taking medication
or treatment to control a heart murmur).

Just to confirm, have you ever had a heart murmur?]

If heart murmur not recorded in feedforward (FFHeEverHM =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he
has/ she has], or [^have/has] had, a heart murmur?]

| 01 Yes

| 02 No

If heart murmur recorded in feed forward and respondent says never had heart murmur

| [(FFHeEverHM = 1 AND HEEverHM = No) AND NOT proxy interview]

HENvrHM

Just to check, we have a record that when we spoke to you [^previously /in
^FFHEYearHM] you told us you had been diagnosed with a heart murmur. Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If incorrect for another reason

[(HENvrHM = 4)]

HENvOtHM

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF heart murmur is a new condition

[(HEEverHM = Yes and FFHeEverHM =0)]

HEMthHM* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had a heart murmur?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEYrHM* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF heart murmur is an existing condition

[(((HEEverHM = Yes) OR (HEEverHM = No and HENvrHM = 1)) and FFHeEverHM =1)]

HEAgeHM* (archived under SL/SA)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had a heart murmur?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with high murmur

[(HEEverHM = Yes) OR (HEEverHM = No and HENvrHM = 1)]

HEHaveHM*

[^Do you/Does [^Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1... still have a heart murmur but [^you are/he is/she is] **not** taking medication or treatment for it,

2 or do [^you/[Name]] still have a heart murmur and [^you are/ he is/ she is] taking medication or treatment for it,

3 or [^do you/does [^Name]] no longer have a heart murmur?

W

END OF FILTER

Abnormal Heart Rhythm

HEEverAH*

If abnormal heart rhythm recorded in feedforward data (FFHeEverAH =1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, an abnormal heart rhythm (or you are taking medication or treatment to control an abnormal heart rhythm).

Just to confirm, have you ever had an abnormal heart rhythm?]

If abnormal heart rhythm not recorded in feedforward (FFHeEverAH =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, an abnormal heart rhythm?]

01 Yes

02 No

If abnormal heart rhythm recorded in feed forward and respondent says never had abnormal heart rhythm

[(FFHeEverAH = 1 AND HEEverAH = No) AND NOT proxy interview]

HENvrAH

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearAH] you told us you had been diagnosed with an abnormal heart rhythm.

Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If incorrect for another reason

[(HENvrAH = 4)]

HENvOtAH

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF abnormal heart rhythm is a new condition

[[*(HEEverAH = Yes and FFHeEverAH =0)*]]

HEMthAH* (archived under SL/SA)

When [*^were you / was ^Name*]] first told by a doctor or other health professional that [*^you/he/she*] had an abnormal heart rhythm?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.
ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrAH* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.
Range:1900..2200

END OF FILTER

ASK IF abnormal heart rhythm is an existing condition

[[*((HEEverAH = Yes) OR (HEEverAH = No and HENvrAH = 1)) and FFHeEverAH =1*]]

HEAgeAH* (archived under SL/SA)

Approximately how old [*^were you /was ^name*]] when [*^you were /he was /she was*] first told by a doctor or other health professional that [*^you /he /she*] had an abnormal heart rhythm?

INTERVIEWER: ENTER AGE IN YEARS.
Range: 0..110

END OF FILTER

ASK IF ever diagnosed with abnormal heart rhythm

[[*(HEEverAH = Yes) OR (HEEverAH = No and HENvrAH = 1)*]]

HEHaveAH*

[*^Do you/Does ^Name*]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1... still have an abnormal heart rhythm but [*^you are/he is/she is*] **not** taking medication or treatment for it,

2 or do [*^you/^Name*] still have an abnormal heart rhythm and [*^you are/ he is/ she is*] taking medication or treatment for it,

3 or [*^do you/does ^Name*]] no longer have abnormal heart rhythm?

END OF FILTER

Stroke

HEEverST*

If stroke recorded in feedforward data (*FFHeEverST = 1*) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have had a stroke.

Just to confirm, have you ever had a stroke?]

If stroke not recorded in feedforward (*FFHeEverST = 0*) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has] had a stroke?]

01 Yes

02 No

If stroke recorded in feed forward and respondent says never had a stroke

| [(*FFHeEverST = 1 AND HEEverST = No*) AND NOT proxy interview]

HENvrST

Textfill if date of diagnosis for a stroke = RESPONSE (*FFHEDataYST = Response*):

[^Just to check, we have a record that you were diagnosed with a stroke [in ^FFHEDateMST FFHEDateYST], is this...]

Textfill if no date of diagnosis in feedforward (*FFHEDataYST AND FFHEDataMST*)

<> RESPONSE) AND age of diagnosis in feedforward (*FFHEAgeST = Response*):

[^Just to check, we have a record that you were diagnosed with a stroke aged [^FFHEAgeST], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearST], you told us you had been diagnosed with a stroke. Is this...]

READ OUT

- 1 ...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason

| [(*HENvrST = 4*)]

HENvOtST

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF stroke is a new condition

| [(*HEEverST = Yes and FFHeEverST = 0*)]

HEMthST* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had had a | stroke?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

01 January

02 February

03 March

04 April

05 May

06 June

07 July
08 August
09 September
10 October
11 November
12 December

HEYrST* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.
Range: 1900..2200

END OF FILTER

ASK IF stroke is an existing condition and no date of diagnosis in feedforward
[[(((HEEverST = Yes) OR (HEEverST = No and HENvrST = 1)) and FFHeEverST =1)
AND (FFHEDateMST <> RESPONSE AND FFHEDateYST <> RESPONSE)]

HEAgeST* (archived under SL and SA as heage)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was]
first told by a doctor or other health professional that [^you /he /she] had had a
stroke?

INTERVIEWER: ENTER AGE IN YEARS.
Range: 0..110

END OF FILTER

ASK IF stroke in feedforward and ever diagnosed with stroke
[[FFHeEverST =1 AND (HEEverST = Yes OR (HEEverST = No AND HENvrST = 1)
and NOT Proxy]

HEOthST

Since the last stroke you told us about [(if date of diagnosis = RESPONSE) in
^FFHEDATEMST ^FFHEDATEYST], has a doctor or other health professional told
you that you have had another | stroke?

01 Yes
02 No

END OF FILTER

ASK IF ever diagnosed with stroke

[[HEEverST = Yes OR (HEEverST = No AND HENvrST = 1)]

HEMedST* (Archived as hemda1)

[^Are you/Is [^Name]] currently taking any prescribed medication or treatment for
your stroke?

01 Yes
02 No

END OF FILTER

ASK IF ever diagnosed with stroke

[[HEEverST = Yes OR (HEEverST = No AND HENvrST = 1)]

HEPBS*

[^Do you/Does [^Name]] have any remaining problems because of [^your/his/her]
stroke(s)?

01 Yes
02 No

END OF FILTER

High Cholesterol

ASK ALL

HEEverHC*

If high cholesterol recorded in feedforward data (*FFHeEverCH = 1*) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, high cholesterol (or you are taking medication or treatment to control high cholesterol).

Just to confirm, have you ever had high cholesterol?]

If high cholesterol not recorded in feedforward (*FFHeEverCH = 0*) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, high cholesterol?]

01 Yes

02 No

If high cholesterol recorded in feed forward and respondent says never had high cholesterol

[(*FFHeEverCH = 1 AND HEEverCH = No*) AND NOT proxy interview]

HENvrHC

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearCH] you told us you had been diagnosed with high cholesterol. Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If incorrect for another reason

[(*HENvrHC = 4*)]

HENvOtHC

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF high cholesterol is a new condition

[(*HEEverHC = Yes and FFHeEverCH = 0*)]

HEMthHC* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had high | cholesterol?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

01 January

02 February
03 March
04 April
05 May
06 June
07 July
08 August
09 September
10 October
11 November
12 December

HEYrHC* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF high cholesterol is an existing condition

[[(((HEEverHC = Yes) OR (HEEverHC = No and HENvrHC = 1)) and FFHeEverHC =1)]

HEAgeHC* (archived under SL/SA)

Approximately how old [[^]were you /was [[^]name]] when [[^]you were /he was /she was] first told by a doctor or other health professional that [[^]you /he /she] had high cholesterol?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with high cholesterol

[[((HEEverHC = Yes) OR (HEEverHC = No and HENvrHC = 1))]]

HEHaveHC*

[[^]Do you/Does [[^]Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1... still have high cholesterol but [[^]you are/he is/she is] **not** taking medication or treatment for it,

2 or do [[^]you/[^]Name]] still have high cholesterol and [[^]you are/ he is/ she is] taking medication or treatment for it,

3 or [[^]do you/does [[^]Name]] no longer have high cholesterol?

END OF FILTER

Other Heart Condition

HEEverOH*

If other heart condition recorded in feedforward data (FFHeEverOH =1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, another heart condition (or you are taking medication or treatment to control another heart condition). Just to confirm, have you ever had another heart condition?]

If other heart condition not recorded in feedforward (FFHeEverOH =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, another heart condition?]

01 Yes

02 No

If other heart condition recorded in feed forward and respondent says never had another heart condition

| [(FFHeEverOH = 1 AND HEEverOH = No) AND NOT proxy interview]

HENvrOH

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearOH] you told us you had been diagnosed with another heart condition. Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If incorrect for another reason

| [(HENvrOH = 4)]

HENvOtOH

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

If have been diagnosed with other heart condition and name of other heart condition not recorded in FF

| [(HEEverOH = yes or HENvrOH = 1) AND (FFHEOthHeart <> RESPONSE)]

HEOthCVD*

INTERVIEWER: Enter name of other heart condition

: STRING

END OF FILTER

ASK IF other heart condition is a new condition

| [(HEEverOH = Yes and FFHeEverOH =0)]

HEMthOH* (archived under SL/SA)

| When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had another | heart condition?

| INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

| ENTER THE MONTH AT THIS QUESTION.

01 January

02 February

03 March
04 April
05 May
06 June
07 July
08 August
09 September
10 October
11 November
12 December

HEYrOH* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.
Range:1900..2200

END OF FILTER

ASK IF other heart condition is an existing condition

[[(((HEEverOH = Yes) OR (HEEverOH = No and HENvrOH = 1)) and FFHeEverOH =1)]

HEAgeOH* (archived under SL/SA)

Approximately how old [[^]were you /was [[^]name]] when [[^]you were /he was /she was] first told by a doctor or other health professional that [[^]you /he /she] had another heart condition?

INTERVIEWER: ENTER AGE IN YEARS.
Range: 0..110

END OF FILTER

ASK IF ever diagnosed with other heart condition

[[((HEEverOH = Yes) OR (HEEverOH = No and HENvrOH = 1))]]

HEHaveOH*

[[^]Do you/Does [Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1... still have another heart condition but [[^]you are/he is/she is] **not** taking medication or treatment for it,

2 or do [[^]you/[^]Name] still have another heart condition and [[^]you are/ he is/ she is] taking medication or treatment for it,

3 or [[^]do you/does [[^]Name]] no longer have another heart condition?

END OF FILTER

IF ((age >=55 AND age <=75) OR Sex =female AND age >=47 AND age <=73)) then

HESCRE @

I would like to ask you about any screening you may have had to check for different types of cancer.

1. Press [1] and [Enter] to continue

IF age >= 55 AND age <= 75) then

HEBOWD

Have you ever completed the NHS bowel cancer screening test using the home test kit?

- 1. Yes
- 2. No

IF completed the NHS bowel cancer screening test

[HEBowD = Yes]

HEYBOWT (archive: HEBOWTY, archived under SL and SA)

How long ago was your most recent bowel cancer screening test?

INTERVIEWER: ENTER THE **YEAR** HERE.

: 1900..2050

[Responses are recoded in HEBOWTY]

HEMOWT (archive: HEBOWTM, (archived under SL/SA)

How long ago was your most recent bowel cancer screening test?

INTERVIEWER: ENTER THE **MONTH** HERE.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

END OF FILTER

END OF FILTER

IF (sex = female AND age >= 47 AND age <= 73)

[IF (ISex[Pnum] = Female AND IAgeOf[Pnum] >= 47 AND IAgeOf[Pnum] <= 73)]

HEMAMB

Have you ever had breast cancer screening (a mammogram or x-ray of your breasts) as part of the NHS breast screening programme?

- 1. Yes
- 2. No

IF breast cancer screening as part of NHS programme=yes

[HeMamB=1]

HEYMAMT (ARCHIVED UNDER SL/SA)

How long ago was your most recent breast screening mammogram?

INTERVIEWER: ENTER THE **YEAR** HERE.

: 1900..2050

HEMMAMT (ARCHIVED UNDER SL/SA)

How long ago was your most recent breast screening mammogram?

INTERVIEWER: ENTER THE **MONTH** HERE.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

END OF FILTER

END OF FILTER

IF sex = male [IF ISex[PNum] = Male]

HEPRO

Have you ever had a prostate-specific antigen (PSA) blood test or other examination to screen for prostate cancer?

- 1. Yes
- 2. No

IF PSA blood test or examination to screen for prostate cancer =yes [HePro=1]

HEYPROT (ARCHIVED UNDER SL/SA)

How long ago was your most recent PSA test or other examination?
INTERVIEWER: ENTER THE **YEAR** HERE."

/"When was most recent PSA test"
: 1900..2050

HEMPROT (ARCHIVED UNDER SL/SA)

How long ago was your most recent PSA test or other examination?
INTERVIEWER: ENTER THE **MONTH** HERE.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

END OF FILTER

END OF FILTER

END OF FILTER

ASK ALL

HEIntro2 @

I'd now like to ask you about other health conditions.

: Press 1 to continue

Chronic lung disease such as chronic bronchitis or emphysema

HEEverCL*

If chronic lung disease recorded in feedforward data (FFHeEverCL =1) AND NOT proxy interview:

[^Our records show that you have been told by a doctor or other health professional that you have, or have had, chronic lung disease such as chronic bronchitis or emphysema (or you are taking medication or treatment to control chronic lung disease).

Just to confirm, have you ever had chronic lung disease?]

If chronic lung disease not recorded in feedforward (FFHeEverCL =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, chronic lung disease such as chronic bronchitis chronic lung disease?]

01 Yes

02 No

If chronic lung disease recorded in feed forward and respondent says never had chronic lung disease

| [(FFHeEverCL = 1 AND HEEverCL = No) AND NOT proxy interview]

HENvrCL

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearCL] you told us you had been diagnosed with chronic lung disease. Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If incorrect for another reason

| [(HENvrCL = 4)]

HENvOtCL

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF other chronic lung disease is a new condition

| [(HEEverCL = Yes and FFHeEverCL =0)]

HEMthCL* (archived under SL/SA)

| When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had chronic lung disease?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrCL*(archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF chronic lung disease is an existing condition

| [(((HEEverCL = Yes) OR (HEEverCL = No and HENvrCL = 1)) and FFHeEverCL =1)))]

HEAgeCL* (archived under SL/SA)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had chronic lung disease?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with chronic lung disease

| [((HEEverCL = Yes) OR (HEEverCL = No and HENvrCL = 1)))]

HEHaveCL*

[^Do you/Does [Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have chronic lung disease but [^you are/he is/she is] **not** taking medication or treatment for it,

2 or do [^you/[^Name]] still have chronic lung disease and [^you are/ he is/ she is] taking medication or treatment for it,

3 or [^do you/does [^Name]] no longer have chronic lung disease?

END OF FILTER

Asthma

HEEverAS*

If asthma recorded in feedforward data (*FFHeEverAS =1*) AND NOT proxy interview:
[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, asthma (or you are taking medication or treatment to control asthma).
Just to confirm, have you ever had asthma?]

If asthma not recorded in feedforward (*FFHeEverAS =0*) OR proxy interview:
[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, asthma?]
01 Yes
02 No

If asthma recorded in feed forward and respondent says never had asthma
(*FFHeEverAS = 1 AND HEEEverAS = No*) AND NOT proxy interview

HENvrAS

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearAS] you told us you had been diagnosed with asthma. Is this...

READ OUT

1. ...correct, you were diagnosed with this condition,
2. incorrect, you have never been diagnosed with this condition,
3. incorrect as you were misdiagnosed, or
4. incorrect for another reason (please specify)?

If incorrect for another reason

| [(HENvrAS = 4)]

HENvOtAS

INTERVIEWER: Enter other reason
: STRING

END OF FILTER

END OF FILTER

ASK IF asthma is a new condition

| [(HEEEverAS = Yes and FFHeEverAS =0)]

HEMthAS*(archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had asthma?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrAS*

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF asthma is an existing condition

[[(((HEEverAS = Yes) OR (HEEverAS = No and HENvrAS = 1)) and FFHeEverAS = 1))]]

HEAgeAS* (archived under SL/SA)

Approximately how old [[^]were you /was [[^]name]] when [[^]you were /he was /she was] first told by a doctor or other health professional that [[^]you /he /she] had asthma?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with asthma

[[((HEEverAS = Yes) OR (HEEverAS = No and HENvrAS = 1))]]

HEHaveAS* (archived under SL/SA)

[[^]Do you/Does [[^]Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have asthma but [[^]you are/he is/she is] **not** taking medication or treatment for it,

2 or do [[^]you/[^]Name] still have asthma and [[^]you are/ he is/ she is] taking medication or treatment for it,

3 or [[^]do you/does [[^]Name]] no longer have asthma?

END OF FILTER

Arthritis (including osteoarthritis, or rheumatism)

HEEverAR*

If arthritis recorded in feedforward data (FFHeEverAR = 1) AND NOT proxy interview:

[[^]Our records [[^]also] show that you have been told by a doctor or other health professional that you have, or have had, arthritis (including osteoarthritis or rheumatism) (or you are taking medication or treatment to control arthritis). Just to confirm, have you ever had arthritis?]

If arthritis not recorded in feedforward (FFHeEverAR = 0) OR proxy interview:

[[^]Has a doctor or other health professional ever told [[^]you/Name] that [[^]you have /he has/ she has], or [[^]have/has] had, arthritis?]

01 Yes

02 No

If arthritis recorded in feed forward and respondent says never had arthritis

[[(FFHeEverAR = 1 AND HEEverAR = No) AND NOT proxy interview

HENvrAR

Textfill if date of diagnosis for arthritis = RESPONSE (FFHEDataYAR = Response):
 [^Just to check, we have a record that you were diagnosed with arthritis [in ^
 FFHEDateMAR FFHEDateYAR], is this...]
*Textfill if no date of diagnosis in feedforward (FFHEDataYAR AND FFHEDataMAR
 <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeAR = Response):*
 [^Just to check, we have a record that you were diagnosed with arthritis aged
 [^FFHEAgeAR], is this...]
Else textfill: [^Just to check, we have a record that when we spoke to you [^previously
 /in ^FFHEYearAR], you told us you had been diagnosed with arthritis. Is this...]
 READ OUT
 1 ...correct, you were diagnosed with this condition,
 2 incorrect, you have never been diagnosed with this condition,
 3 incorrect as you were misdiagnosed, or
 4 incorrect for another reason (please specify)?

If incorrect for another reason
 | [(HENvrAR = 4)]
 |
 | **HENvOtAR**
 | INTERVIEWER: Enter other reason
 | : STRING
 |
 | END OF FILTER
 END OF FILTER

ASK IF ever had arthritis

((HEEverAR = Yes) OR (HEEverAR = NO AND HENvrAR = 1))

HEART *

May I check, which type or types of arthritis [^do you / does [^name]] have...
 INTERVIEWER: READ OUT EACH IN TURN AND CODE ALL THAT APPLY.
 IF NO LONGER HAS ARTHRITIS, CODE TYPE OF ARTHRITIS THE
 RESPONDENT PREVIOUSLY HAD.
 PRESS [F9] FOR MORE DETAIL ABOUT CONDITIONS.

"Osteoarthritis is the most common type of arthritis in England. It causes pain and stiffness in the joints, usually the knees, hips, small joints of the hands, or lower back, but can affect almost any joint.

Rheumatoid arthritis causes pain, swelling and stiffness, at first in the joints of the hands and feet, but later any joint may be affected. It is usually worse first thing in the morning. Sometimes it is very painful, and at other times it may be only mildly uncomfortable."

CODE ALL THAT APPLY

1. Osteoarthritis?
2. Rheumatoid arthritis?
3. Some other kind of arthritis?

END OF FILTER

Description	Variable	Archive
Osteoarthritis	HEART1	HEARTOA
Rheumatoid arthritis	HEART2	HEARTRA
Some other kind of arthritis	HEART3	HEARTOT

ASK IF arthritis is a new condition

[[*(HEEverAR = Yes and FFHeEverAR =0)*]]

HEMthAR* (archived under SL/SA)

When [*^were you / was ^Name*] first told by a doctor or other health professional that [*^you/he/she*] had arthritis?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.
ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrAR* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.
Range:1900..2200

END OF FILTER

ASK IF arthritis is an existing condition

[[*((HEEverAR = Yes) OR (HEEverAR = No and HENvrAR = 1)) and FFHeEverAR =1*]]

HEAgeAR* (archived under SL and SA as heagf)

Approximately how old [*^were you /was ^name*] when [*^you were /he was /she was*] first told by a doctor or other health professional that [*^you /he /she*] had arthritis?

INTERVIEWER: ENTER AGE IN YEARS.
Range: 0..110

END OF FILTER

ASK IF ever diagnosed with arthritis

[[*(HEEverAR = Yes) OR (HEEverAR = No and HENvrAR = 1)*]]

HEHaveAR*

[*^Do you/Does ^Name*]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

- 1 ... still have arthritis but [*^you are/he is/she is*] **not** taking medication or treatment for it,
- 2 or do [*^you/^Name*] still have arthritis and [*^you are/ he is/ she is*] taking medication or treatment for it,
- 3 or [*^do you/does ^Name*] no longer have arthritis?

END OF FILTER

Osteoporosis (or thin or brittle bones)

HEEverOS*

If osteoporosis recorded in feedforward data (*FFHeEverOS = 1*) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, osteoporosis (or thin or brittle bones) (or you are taking medication or treatment to control osteoporosis).

Just to confirm, have you ever had osteoporosis?]

If osteoporosis not recorded in feedforward (*FFHeEverOS = 0*) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, osteoporosis (or thin or brittle bones)?]

01 Yes

02 No

If osteoporosis recorded in feed forward and respondent says never had osteoporosis (*FFHeEverOS = 1* AND *HEEverOS = No*) AND NOT proxy interview

HENvrOS

Just to check, we have a record that when we spoke to you [^previously /in ^FFHEYearOS] you told us you had been diagnosed with osteoporosis. Is this...

READ OUT

- 1. ...correct, you were diagnosed with this condition,
- 2. incorrect, you have never been diagnosed with this condition,
- 3. incorrect as you were misdiagnosed, or
- 4. incorrect for another reason (please specify)?

If incorrect for another reason

(*HENvrOS = 4*)

HENvOtOS

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF osteoporosis is a new condition

(*HEEverOS = Yes* and *FFHeEverOS = 0*)

HEMthOS* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had osteoporosis?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November
12 December

HEYrOS*(archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF osteoporosis is an existing condition

((*HEEverOS = Yes*) OR (*HEEverOS = No and HENvrOS = 1*)) and *FFHeEverOS =1*)

HEAgeOS* (archived under SL/SA)

Approximately how old [*^were you /was [^name]*] when [*^you were /he was /she was*] first told by a doctor or other health professional that [*^you /he /she*] had osteoporosis?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with osteoporosis

((*HEEverOS = Yes*) OR (*HEEverOS = No and HENvrOS = 1*))

HEHaveOS*

[*^Do you/Does [Name]*]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1... still have osteoporosis but [*^you are/he is/she is*] **not** taking medication or treatment for it,

2 or do [*^you/[Name]*] still have osteoporosis and [*^you are/ he is/ she is*] taking medication or treatment for it,

3 or [*^do you/does [^Name]*] no longer have osteoporosis?

END OF FILTER

Cancer or a malignant tumour (excluding minor skin cancers)

HEEverCA*

If cancer recorded in feedforward data (FFHeEverCA =1) AND NOT proxy interview:

[*^Our records [^also]* show that you have been told by a doctor or other health professional that you have, or have had, cancer or a malignant tumour (excluding minor skin cancers) (or you are taking medication or treatment to control cancer). Just to confirm, have you ever had cancer?]

If cancer not recorded in feedforward (FFHeEverCA =0) OR proxy interview:

[*^Has a doctor or other health professional ever told [^you/Name]* that [*^you have /he has/ she has*], or [*^have/has*] had, cancer or a malignant tumour (excluding minor skin cancers)?]

INTERVIEWER: **INCLUDE MELANOMA AND EXCLUDE NON-MELANOMA SKIN CANCER – PRESS F9 FOR ADDITIONAL INFORMATION IF REQUIRED**

F9: please include melanoma (and other serious skin cancer such as skin cancer that has spread to other parts of the body) and exclude the common

'minor skin cancers' such as basal cell carcinoma and squamous cell carcinoma without any spread to other parts of the body.

- 01 Yes
- 02 No

*If cancer recorded in feed forward and respondent says never had cancer
(FFHeEverCA = 1 AND HEEverCA = No) AND NOT proxy interview*

HENvrCA

Textfill if date of diagnosis for cancer = RESPONSE (FFHEDataYCA = Response):

[^Just to check, we have a record that you were diagnosed with cancer [in ^ FFHEDateMCA FFHEDateYCA], is this...]

Textfill if no date of diagnosis in feedforward (FFHEDataYCA AND FFHEDataMCA) <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeCA = Response):

[^Just to check, we have a record that you were diagnosed with cancer aged [^FFHEAgeCA], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearCA], you told us you had been diagnosed with cancer. Is this...]

READ OUT

- 1 ...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason

(HENvrCA = 4)

HENvOtCA

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF cancer is a new condition

[(HEEverCA = Yes and FFHeEverCA =0)]

HEMthCA* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had cancer?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrCA* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF cancer is an existing condition

((HEEverCA = Yes) OR (HEEverCA = No and HENvrCA = 1)) and FFHeEverCA =1)

HEAgeCA* (archived under SL/SA)

Approximately how old [[^]were you /was [[^]name]] when [[^]you were /he was /she was] first told by a doctor or other health professional that [[^]you /he /she] had cancer?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

If ever diagnosed with cancer

((HEEverCA = Yes) OR (HEEverCA = No and HENvrCA = 1))

HECANAA* (archived under SL and SA; recoded variable HECANAAR - which collapses

Leukaemia/Lymphoma categories – is archived under EUL)

SHOW CARD C4

In which part of [[^]your / [[^]name's]] body did [[^]your /his /her] (cancer /cancers / malignant tumour) start?

INTERVIEWER: CODE ONE ONLY.

IF RESPONDENT HAS HAD MORE THAN ONE DIAGNOSIS, RECORD MOST RECENT.

1. Breast
2. Prostate
3. Lung
4. Colon, bowel or rectum
5. Melanoma or other skin cancer
6. Lymphoma
7. Kidney
8. Head and neck or brain
9. Pancreas
10. Bladder
11. Uterus or ovary
12. Leukaemia
95. Somewhere else

HEHaveCA*

[[^]Do you/Does [Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have cancer but [[^]you are/he is/she is] **not** taking medication or treatment for it,

2 or do [[^]you/[Name]] still have cancer and [[^]you **are/** he **is/** she **is**] taking medication or treatment for it,

3 or [[^]do you/does [Name]] no longer have cancer?

END OF FILTER

Parkinson's disease

HEEverPD*

If Parkinson's Disease recorded in feedforward data (*FFHeEverPD = 1*) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, Parkinson's disease (or you are taking medication or treatment to control Parkinson's disease).
Just to confirm, have you ever had Parkinson's disease?]

If Parkinson's disease not recorded in feedforward (*FFHeEverPD = 0*) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, Parkinson's disease?]

01 Yes

02 No

If Parkinson's disease recorded in feed forward and respondent says never had Parkinson's disease

| (*FFHeEverPD = 1 AND HEEverPD = No*) AND NOT proxy interview

HENvrPD

Textfill if date of diagnosis for Parkinson's disease = RESPONSE (*FFHEData YPD = Response*): [^Just to check, we have a record that you were diagnosed with Parkinson's disease [in ^ FFHEDateMPD FFHEDateYPD], is this...]

Textfill if no date of diagnosis in feedforward (*FFHEData YPD AND FFHEDataMPD*) <> RESPONSE) AND age of diagnosis in feedforward (*FFHEAgePD = Response*):

[^Just to check, we have a record that you were diagnosed with Parkinson's disease aged [^FFHEAgePD], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearPD], you told us you had been diagnosed with Parkinson's disease. Is this...]

READ OUT

- 1 ...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason

| (*HENvrPD = 4*)

HENvOtPD

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF Parkinson's disease is a new condition

| (*HEEverPD = Yes and FFHeEverPD = 0*)

HEMthPD* (archived under SL/SA)

| When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had | Parkinson's disease?

| INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrPD* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF Parkinson's disease is an existing condition

((HEEverPD = Yes) OR (HEEverPD = No and HENvrPD = 1)) and FFHeEverPD =1)

HEAgePD* (archived under SL and SA as heprk)

Approximately how old [[^]were you /was [[^]name]] when [[^]you were /he was /she was] first told by a doctor or other health professional that [[^]you /he /she] had Parkinson's disease?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with Parkinson's Disease

((HEEverPD = Yes) OR (HEEverPD = No and HENvrPD = 1)) |

HEHavePD*

[[^]Do you/Does [Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have Parkinson's Disease but [[^]you are/he is/she is] **not** taking medication or treatment for it,

2 or do [[^]you/[Name]] still have Parkinson's Disease and [[^]you are/ he is/ she is] taking medication or treatment for it,

3 or [[^]do you/does [[^]Name]] no longer have Parkinson's Disease?

END OF FILTER

An emotional, nervous or psychiatric problem

HEEverPS*

If emotional, nervous or psychiatric problem recorded in feedforward data

(FFHeEverPS =1) AND NOT proxy interview:

[[^]Our records [[^]also] show that you have been told by a doctor or other health professional that you have, or have had, an emotional, nervous or psychiatric problem

(or you are taking medication or treatment to control an emotional, nervous or psychiatric problem).
Just to confirm, have you ever had an emotional, nervous or psychiatric problem?)

If emotional, nervous or psychiatric problem not recorded in feedforward (FFHeEverPS =0) OR proxy interview.

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, an emotional, nervous or psychiatric problem?]

- 01 Yes
- 02 No

If emotional, nervous or psychiatric problem recorded in feed forward and respondent says never had an emotional, nervous or psychiatric problem (FFHeEverPS = 1 AND HEEEverPS = No) AND NOT proxy interview

HENvrPS

Textfill if date of diagnosis for emotional, nervous or psychiatric problem = RESPONSE (FFHEDateYPS = Response): [^Just to check, we have a record that you were diagnosed with an emotional, nervous or psychiatric problem [in ^FFHEDateMPS FFHEDateYPS], is this...]

Textfill if no date of diagnosis in feedforward (FFHEDateYPS AND FFHEDateMPS) <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgePS = Response): [^Just to check, we have a record that you were diagnosed with an emotional, nervous or psychiatric problem aged [^FFHEAgePS], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearPS], you told us you had been diagnosed with an emotional, nervous or psychiatric problem. Is this...]

READ OUT

- 1 ...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason
| (HENvrPS = 4)

HENvOtPS

INTERVIEWER: Enter other reason
: STRING

END OF FILTER

END OF FILTER

ASK IF an emotional, nervous or psychiatric problem is a new condition
| [(HEEverPS = Yes and FFHeEverPS =0)]

HEMthPS* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had an | emotional, nervous or psychiatric problem?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.
ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May

06 June
07 July
08 August
09 September
10 October
11 November
12 December

HEYrPS* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF an emotional, nervous or psychiatric problem is an existing condition

[[((HEEverPS = Yes) OR (HEEverPS = No and HENvrPS = 1)) and FFHeEverPS =1]]

HEAgePS* (archived under SL/SA)

Approximately how old [[^]were you /was [[^]name]] when [[^]you were /he was /she was] first told by a doctor or other health professional that [[^]you /he /she] had an emotional, nervous or psychiatric | problem?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with an emotional, nervous or psychiatric problem

[[((HEEverPS = Yes) OR (HEEverPS = No and HENvrPS = 1))]]

HEHavePS*

[[^]Do you/Does [[^]Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have an emotional, nervous or psychiatric problem but [[^]you are/he is/she is] **not** taking medication or treatment for it,

2 or do [[^]you/[Name]] still have an emotional, nervous or psychiatric problem and [[^]you **are/ he is/ she is**] taking medication or treatment for it,

3 or [[^]do you/does [[^]Name]] no longer have an emotional, nervous or psychiatric problem?

END OF FILTER

IF ever diagnosed with emotional, nervous or psychiatric problem

[[((HEEverPS = Yes) OR (HEEverPS = No and HENvrPS = 1))]]

HEPSY*

SHOW CARD C5

What type of emotional, nervous or psychiatric problems [If HEHavePS = 1 or 2: [^]do/does] [you/[Name]] [If HEHavePS = 3 [^]did] [you/[Name]] have?

INTERVIEWER: PROBE - 'What others?'

CODE ALL THAT APPLY.

INCLUDE PANIC ATTACKS UNDER 'anxiety'.

1. Hallucinations
2. Anxiety

- 3. Depression
- 4. Emotional problems
- 5. Schizophrenia
- 6. Psychosis
- 7. Mood swings
- 8. Bipolar disease (manic depression)
- 95. Something else

END OF FILTER

Description	Variable	Archive
Hallucinations	HEPSY1	HEPSYHA
Anxiety	HEPSY2	HEPSYAN
Depression	HEPSY3	HEPSYDE
Emotional problems	HEPSY4	HEPSYEM
Schizophrenia	HEPSY5	HEPSYSC
Psychosis	HEPSY6	HEPSYPS
Mood swings	HEPSY7	HEPSYMO
Bipolar disease (manic depression)	HEPSY8	HEPSYMA
Something else	HEPSY95	HEPSY95

Alzheimer's disease

HEEverAD*

If Alzheimer's disease recorded in feedforward data (FFHeEverAD = 1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, Alzheimer's disease (or you are taking medication or treatment to control Alzheimer's disease). Just to confirm, have you ever had Alzheimer's disease?]

If Alzheimer's disease not recorded in feedforward (FFHeEverAD = 0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, Alzheimer's disease?]

01 Yes

02 No

If Alzheimer's disease recorded in feed forward and respondent says never had Alzheimer's disease

(FFHeEverAD = 1 AND HEEverAD = No) AND NOT proxy interview

HENvrAD

Textfill if date of diagnosis for Alzheimer's disease = RESPONSE (FFHEDataYAD = Response): [^Just to check, we have a record that you were diagnosed with Alzheimer's disease [in ^ FFHEDateMAD FFHEDateYAD], is this...]

Textfill if no date of diagnosis in feedforward (FFHEDataYAD AND FFHEDataMAD) <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeAD = Response):

[^Just to check, we have a record that you were diagnosed with Alzheimer's disease aged [^FFHEAgeAD], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearAD], you told us you had been diagnosed with Alzheimer's disease. Is this...]

READ OUT

1 ...correct, you were diagnosed with this condition,

2 incorrect, you have never been diagnosed with this condition,
3 incorrect as you were misdiagnosed, or
4 incorrect for another reason (please specify)?

If incorrect for another reason

(HENvrAD = 4)

HENvOtAD

INTERVIEWER: Enter other reason
: STRING

END OF FILTER

END OF FILTER

ASK IF Alzheimer's disease

[(HEEverAD = Yes and FFHeEverAD = 0)]

HEMthAD* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had Alzheimer's disease?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.
ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrAD* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.
Range:1900..2200

END OF FILTER

ASK IF Alzheimer's disease is an existing condition

[(((HEEverAD = Yes) OR (HEEverAD = No and HENvrAD = 1)) and FFHeEverAD = 1)))]

HEAgeAD* (archived under SL and SA as heagi)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had Alzheimer's disease?

INTERVIEWER: ENTER AGE IN YEARS.
Range: 0..110

END OF FILTER

ASK IF ever diagnosed with Alzheimers Disease

[[((HEEverAD = Yes) OR (HEEverAD = No and HENvrAD = 1))

HEHaveAD*

[^Do you/Does [Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have Alzheimer's disease but [^you are/he is/she is] **not** taking medication or treatment for it,

2 or do [^you/[^Name]] still have Alzheimer's disease and [^you are/ he is/ she is] taking medication or treatment for it,

3 or [^do you/does [^Name]] no longer have Alzheimer's disease?

END OF FILTER

Dementia

HEEverDM*

If dementia recorded in feedforward data (FFHeEverDM = 1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, dementia (or you are taking medication or treatment to control dementia).

Just to confirm, have you ever had dementia?]

If dementia not recorded in feedforward (FFHeEverDM = 0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, dementia?]

01 Yes

02 No

If dementia recorded in feed forward and respondent says never had dementia

(FFHeEverDM = 1 AND HEEverDM = No) AND NOT proxy interview

HENvrDM

Textfill if date of diagnosis for dementia = RESPONSE (FFHEDateYDM = Response):

[^Just to check, we have a record that you were diagnosed with dementia [in ^ FFHEDateMDE FFHEDateYDE], is this...]

Textfill if no date of diagnosis in feedforward (FFHEDateYDM AND FFHEDateMDM)

<> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeDM = Response):

[^Just to check, we have a record that you were diagnosed with dementia aged [^FFHEAgeDM], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearDM], you told us you had been diagnosed with dementia. Is this...]

READ OUT

1 ...correct, you were diagnosed with this condition,

2 incorrect, you have never been diagnosed with this condition,

3 incorrect as you were misdiagnosed, or

4 incorrect for another reason (please specify)?

If incorrect for another reason

[[(HENvrDM = 4)

HENvOtDM

INTERVIEWER: Enter other reason
: STRING
END OF FILTER
END OF FILTER

ASK IF dementia

(HEEverDM = Yes and FFHeEverDM =0)

HEMthDM* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had dementia?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.
ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrDM* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.
Range:1900..2200

END OF FILTER

ASK IF dementia is an existing condition

[(((HEEverDM = Yes) OR (HEEverDM = No and HENvrDM = 1)) and FFHeEverDM =1)))]

HEAgeDM* (archived under SL and SA as heagj)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had dementia?

INTERVIEWER: ENTER AGE IN YEARS.
Range: 0..110

END OF FILTER

ASK IF ever diagnosed with dementia

[((HEEverDM = Yes) OR (HEEverDM = No and HENvrDM = 1)))]

HEHaveDM*

[^Do you/Does [Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

- 1 ... still have dementia but [^you are/he is/she is] **not** taking medication or treatment for it,
- 2 or do [^you/[^Name]] still have dementia and [^you are/ he is/ she is] taking medication or treatment for it,
- 3 or [^do you/does [^Name]] no longer have dementia?

END OF FILTER

A malignant blood disorder (e.g. leukaemia)

HEEverBL*

If a malignant blood disorder recorded in feedforward data (FFHeEverBL =1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, a malignant blood disorder (e.g. leukaemia) (or you are taking medication or treatment to control a malignant blood disorder). Just to confirm, have you ever had a malignant blood disorder?]

If a malignant blood disorder not recorded in feedforward (FFHeEverBL =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, a malignant blood disorder (e.g. leukaemia)?]

01 Yes

02 No

If malignant blood disorder recorded in feed forward and respondent says never had dementia

[[(FFHeEverBL = 1 AND HEEverBL= No) AND NOT proxy interview]

HENvrBL

Textfill if date of diagnosis for malignant blood disorder = RESPONSE

(FFHEDataYBL = Response): [^Just to check, we have a record that you were diagnosed with a malignant blood disorder [in ^ FFHEDateMBL FFHEDateYBL], is this...]

Textfill if no date of diagnosis in feedforward (FFHEDataYBL AND FFHEDataMBL) <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeBL = Response): [^Just to check, we have a record that you were diagnosed with a malignant blood disorder aged [^FFHEAgeBL], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearBL], you told us you had been diagnosed with a malignant blood disorder. Is this...]

READ OUT

- 1 ...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason

[[(HENvrBL = 4)]

HENvOtBL

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF malignant blood disorder

[(HEEverBL = Yes and FFHeEverBL = 0)]

HEMthBL* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had a malignant blood disorder?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEYrBL* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF malignant blood disorder is an existing condition

[(((HEEverBL = Yes) OR (HEEverBL = No and HENvrBL = 1)) and FFHeEverBL = 1)))]

HEAgeBL* (archived under SL/SA)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had a malignant blood disorder?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with malignant blood disorder

[((HEEverBL = Yes) OR (HEEverBL = No and HENvrBL = 1)) AND (FFHELEUK <> RESPONSE)]

HELEUK* (archived under SL/SA)

[^Do you / Does name] have one of the following blood disorders...

INTERVIEWER: READ OUT

1 ...leukaemia,

2 ...lymphoma,

3 or some other blood disorder?

[^BLText:

If HELEUK = 1, BLText="leukaemia"

If HELEUK = 2, BLText="lymphoma"
If HELEUK = 3, BLText="a blood disorder"

END OF FILTER

ASK IF ever diagnosed with malignant blood disorder

[[((HEEverBL = Yes) OR (HEEverBL = No and HENvrBL = 1))]]

HEHaveBL*

[^Do you/Does [Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have [^BLText] but [^you are/he is/she is] **not** taking medication or treatment for it,

2 or do [you/[Name]] still have [^BLText] and [^you are/ he is/ she is] taking medication or treatment for it,

3 or [^do you/does [^Name]] no longer have [^BLText]?

END OF FILTER

Multiple Sclerosis or Motor Neurone Disease

HEEverMS*

If Multiple Sclerosis or Motor Neurone Disease recorded in feedforward data (FFHeEverMS =1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, Multiple Sclerosis or Motor Neurone Disease (or you are taking medication or treatment to control Multiple Sclerosis or Motor Neurone Disease).

Just to confirm, have you ever had Multiple Sclerosis or Motor Neurone Disease?]

If Multiple Sclerosis or Motor Neurone Disease not recorded in feedforward (FFHeEverMS =0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, Multiple Sclerosis or Motor Neurone Disease?]

01 Yes

02 No

If MS or Motor Neurone Disease recorded in feed forward and respondent says never had MS or Motor Neurone Disease

[[((FFHeEverMS = 1 AND HEEverMS= No) AND NOT proxy interview]]]

HENvrMS

Textfill if date of diagnosis for MS or Motor Neurone Disease = RESPONSE

(FFHEDateYMS = Response): [^Just to check, we have a record that you were diagnosed with Multiple Sclerosis or Motor Neurone Disease [in ^ FFHEDateMMS FFHEDateYMS], is this...]

Textfill if no date of diagnosis in feedforward (FFHEDateYMS AND FFHEDateMMS) <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeMS = Response):

[^Just to check, we have a record that you were diagnosed with Multiple Sclerosis or Motor Neurone Disease aged [^FFHEAgeMS], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYearMS], you told us you had been diagnosed with Multiple Sclerosis or Motor Neurone Disease. Is this...]

READ OUT

- 1 ...correct, you were diagnosed with this condition,
- 2 incorrect, you have never been diagnosed with this condition,
- 3 incorrect as you were misdiagnosed, or
- 4 incorrect for another reason (please specify)?

If incorrect for another reason

[(HENvrMS = 4)]

HENvOtMS

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF Multiple Sclerosis or Motor Neurone Disease

[(HEEverMS = Yes and FFHeEverMS =0)]

HEMthMS* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had Multiple | Sclerosis or Motor Neurone Disease?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

- 01 January
- 02 February
- 03 March
- 04 April
- 05 May
- 06 June
- 07 July
- 08 August
- 09 September
- 10 October
- 11 November
- 12 December

HEYrMS* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF Multiple Sclerosis or Motor Neurone Disease is an existing condition

[[(((HEEverMS = Yes) OR (HEEverMS = No and HENvrMS = 1)) and FFHeEverMS =1)]]

HEAgeMS* (archived under SL/SA)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had Multiple Sclerosis or Motor Neurone | Disease?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with Multiple Sclerosis or Motor Neurone Disease

[[*(HEEverMS = Yes) OR (HEEverMS = No and HENvrMS = 1)*]]

HEHaveMS*

[^Do you/Does [Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have Multiple Sclerosis or Motor Neurone Disease but [^you are/he is/she is] **not** taking medication or treatment for it,

2 or do [^you/[Name]] still have Multiple Sclerosis or Motor Neurone Disease and [^you **are/ he is/ she is**] taking medication or treatment for it,

3 or [^do you/does [Name]] no longer have Multiple Sclerosis or Motor Neurone Disease?

END OF FILTER

Diabetes

HEEverDI* (Archived as heacd)

If diabetes recorded in feedforward data (FFHeEverDI = 1) AND NOT proxy interview:

[^Our records [^also] show that you have been told by a doctor or other health professional that you have, or have had, diabetes (or you are taking medication or treatment to control diabetes).

Just to confirm, have you ever had diabetes?]

Textfill if no date of diagnosis in feedforward (FFHEDateYDI AND FFHEDateMDI) <> RESPONSE) AND age of diagnosis in feedforward (FFHEAgeDI = Response):

[^Just to check, we have a record that you were diagnosed with diabetes aged [^FFHEAgeDI], is this...]

If diabetes not recorded in feedforward (FFHeEverDI = 0) OR proxy interview:

[^Has a doctor or other health professional ever told [^you/Name] that [^you have /he has/ she has], or [^have/has] had, diabetes?]

01 Yes

02 No

If diabetes recorded in feed forward and respondent says never had diabetes

(FFHeEverDI = 1 AND HEEverDI= No) AND NOT proxy interview

HENvrDI

Textfill if date of diagnosis for diabetes = RESPONSE (FFHEDateYDI = Response):

[^Just to check, we have a record that you were diagnosed with diabetes [in ^ FFHEDateMDI FFHEDateYDI], is this...]

Else textfill: [^Just to check, we have a record that when we spoke to you [previously /in ^FFHEYYearDI], you told us you had been diagnosed with diabetes. Is this...]

READ OUT

1 ...correct, you were diagnosed with this condition,

2 incorrect, you have never been diagnosed with this condition,

3 incorrect as you were misdiagnosed, or

4 incorrect for another reason (please specify)?

If incorrect for another reason

[(HENvrDI = 4)]

HENvOtDI

INTERVIEWER: Enter other reason

: STRING

END OF FILTER

END OF FILTER

ASK IF diabetes

[(HEEverDI = Yes and FFHeEverDI =0)]

HEMthDI* (archived under SL/SA)

When [^were you / was [^Name]] first told by a doctor or other health professional that [^you/he/she] had | diabetes?

INTERVIEWER: ENTER RESPONSE IN MONTH AND YEAR.

ENTER THE MONTH AT THIS QUESTION.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEYrDI* (archived under SL/SA)

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range:1900..2200

END OF FILTER

ASK IF diabetes is an existing condition

[(((HEEverDI = Yes) OR (HEEverDI = No and HENvrDI = 1)) and FFHeEverDI =1)]

HEAgeDI* (archived under SL and SA as heagd)

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor or other health professional that [^you /he /she] had diabetes?

INTERVIEWER: ENTER AGE IN YEARS.

Range: 0..110

END OF FILTER

ASK IF ever diagnosed with diabetes

[(HEEverDI = Yes) OR (HEEverDI = No and HENvrDI = 1)]

HEHaveDI*

[^Do you/Does [^Name]]...READ OUT...

INTERVIEWER: IF RESPONDENT CONSIDERS THEY DO NOT HAVE CONDITION BUT THEY ARE TAKING MEDICATION OR TREATMENT FOR CONDITION, USE

CODE 2 'STILL HAVE CONDITION AND YOU ARE TAKING MEDICATION OR TREATMENT FOR IT'.

1 ... still have diabetes but [^you are/he is/she is] **not** taking medication or treatment for it,

2 or do [^you/[^Name]] still have diabetes and [^you are/ he is/ she is] taking medication or treatment for it,

3 or [^do you/does [^Name]] no longer have diabetes?

END OF FILTER

Drug coding

ASK ALL (including proxies)

MEDCNJD*

[Are you/ls ^Name] taking or using any medicines or drugs such as pills, syrups, ointments, patches, puffers or injections prescribed for [you/him/her] by a doctor or a nurse?

INTERVIEWER: 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 respondent taking medication = Yes [MEDCNJD = 1]

MEDINTRO* @

Could I take down the names of the medicines or drugs such as pills, syrups, ointments, patches, puffers or injections, prescribed for [you/^Name] by a doctor or a nurse?

INTERVIEWER: INCLUDING THE CONTRACEPTIVE PILL.

Press [1] and [Enter] to continue."

LOOP: Repeat **MEDBI, MEDBIA, MEDBIC** for up to 40 drugs

MEDBI*

INTERVIEWER: ENTER NAME OF MEDICINE OR DRUG. ASK IF YOU CAN SEE THE CONTAINERS FOR ALL PRESCRIBED MEDICINES CURRENTLY BEING TAKEN.

INTERVIEWER: PRESS [SPACE] TO ENTER THE LOOK-UP TABLE AND START TYPING THE NAME OF THE MEDICINE OR DRUG (NOT THE BRAND NAME). SELECT THE CORRECT MEDICINE AND DOSAGE AND PRESS ENTER TO SELECT.

IF YOU ARE UNABLE TO FIND THE MEDICINE OR YOU DO NOT HAVE THE DOSAGE, PRESS 'ESC' TO CLOSE THE LOOK-UP TABLE, ENTER CTRL-K AND MEDBL AND ENTER THE DETAILS AT THE NEXT QUESTION.

: LOOK-UP TABLE

If MEDBI = Unable to code

INTERVIEWER: Please type in the name and all the details you have for this medicine.

: STRING

MEDBIC* @

INTERVIEWER CHECK: Any more drugs to enter?"

01 Yes
02 No

NUMMEDS* (archived under SL)

Computed: Number of medicines mentioned at MEDBI.
Range: 1..40

END OF LOOP

MEDBIA* (archived under SL as MEDBIA – MEDBIA31)

[^Have/Has] [^you/he/she] taken/used all of these medicines in the last 7 days?"

01 Yes
02 No

If MedBla = No (**incorporated and archived under SL as MEDBIA – MEDBIA31**)

Which medicines have you **NOT** used in the last 7 days?

CODE ALL THAT APPLY

: List of all medicines coded at MedBI

ASK ALL

STATINS*

[Are you/Is ^Name] taking statins (drugs to lower cholesterol) bought over the counter from a pharmacist, without prescription from a doctor?

INTERVIEWER: 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)

01 Yes
02 No

IF taking statins bought over the counter = Yes

[STATINS=1]

STATINA*

[^Have you/Has [^Name]] taken/used statins in the last 7 days?

01 Yes
02 No

END OF FILTER

IF first two digits of drug code = 02 and drug code is not '021200' (formerly Statins/Lipid-lowering drugs)

[DRC1= "02****" and DRC1 <> 021200]

YTAKE* (archived under SL)

[Do you/Does ^Name] take [^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 take drug for another reason

[YTake = 3]

TAKEOTH*

INTERVIEWER: Give full details of reason(s) for taking [^MedBI].
Press [Esc] when finished.

: OPEN
|
END OF FILTER

Vitamin D

HEvitDTk

Do you take Vitamin D supplements, for any reason?

INTERVIEWER: IF RESPONDENT IS TAKING MULTIVITAMINS (WHICH INCLUDES VITAMIN D) CODE YES. MOST MULTIVITAMINS DO INCLUDE VITAMIN D.

- 1. Yes
- 2. No

HEvitDAd

Has a doctor or nurse recommended you taking Vitamin D supplements?

- 1. Yes
- 2. No

Falling

IF (Age of respondent >= 60)

| [!AgeOf >= 60]

HEFLA

[^Have / Since we last talked to you on [^[date of last interview]] have] you fallen down [^BLANK / in the last two years] (for any reason)?

- 1. Yes
- 2. No

IF whether fallen down = yes

| [HeFla = 1]

HEFLB

How many times have you fallen down [^since we last talked to you on [^[date of last interview]]/ in the last two years]?

Range: 0..400

[CHECK HE1] CHECK: IF (whether post-interview editing question = Yes) AND (Number of times fallen down =RESPONSE) [EditQre = 1 AND HeFlb = RESPONSE]

CHECK: (number of times fallen down] 0) INVOLVING (whether fallen down, number of times fallen down)

[HeFlb] 0 INVOLVING HeFla, HeFlb]

HEFLC

In [^any of these falls / that fall], did you injure yourself seriously enough to need medical treatment?

- 1. Yes
- 2. No

END OF FILTER

END OF FILTER

IF person's age >= 60

[IAgeOf >= 60]

HEFRAC*

[^Have you [^BLANK / ever] fractured your hip replacements since we last talked to you on [^date of last interview]?

- 1. Yes
- 2. No

HEJI*

[^Have you / Has [^name]] [^BLANK / ever] had any joint replacements since we last talked to [^you / him / her] on [^date of last interview]?

- 1. Yes
- 2. No

IF whether had joint replacements = yes

[HeJi = 1]

HEJIAA*

Which joints did [^you/[^Name]] have replaced/resurfaced [^ever/ since the last interview]?

INTERVIEWER: PROBE - 'What others?'

INTERVIEWER: CODE ALL THAT APPLY.

- 1. Right hip
- 2. Left hip
- 3. Right knee
- 4. Left knee
- 5. Other joint

[code maximum 5 out of 5 possible responses]

Description	Variable	Archive
Right hip	HeJiaa1	HeJiaa1
Left hip	HeJiaa2	HeJiaa2
Right knee	HeJiaa3	HeJiaa3
Left knee	HeJiaa4	HeJiaa4
Other joint	HeJiaa5	HeJiaa5

IF HeJiaa= right hip

[HEJiaa1=1]

HeJibRH*

"Was the **right** hip replacement/resurfacing because of arthritis, a fracture, to replace a previous artificial hip, or for some other reason?

INTERVIEWER: ENTER THE MAIN REASON.

- 1. Arthritis,
- 2. Fracture,
- 3. Replacement of a previous artificial hip
- 95. Other reason

END OF FILTER

IF HeJiaa= Left Hip
[HEJiaa2=1]

HeJibLH*

"Was the **left** hip replacement because of arthritis, a fracture, to replace a previous artificial hip, or for some other reason?

INTERVIEWER: ENTER THE MAIN REASON.

1. Arthritis,
2. Fracture,
3. Replacement of a previous artificial hip
95. Other reason

END OF FILTER

IF HeJiaa= Right Knee
[HEJiaa3=1]

HeJibRK*

Was the **right** knee replacement because of arthritis, a fracture, to replace a previous artificial knee, or for some other reason?

INTERVIEWER: ENTER THE MAIN REASON.

1. Arthritis,
2. Fracture,
3. Replacement of a previous artificial knee
95. Other reason

END OF FILTER

IF HeJiaa= Left Knee
[HEJiaa4=1]

HeJibLK*

Was the **left** knee replacement because of arthritis, a fracture, to replace a previous artificial knee, or for some other reason?

INTERVIEWER: ENTER THE MAIN REASON.

1. Arthritis,
2. Fracture,
3. Replacement of a previous artificial knee
95. Other reason

END OF FILTER

IF joints replaced = right hip, left hip, right knee, left knee, other joint
[HeJiaa =RESPONSE]

HEJION*

Has [[^]your/[^]name's]] joint replacement/resurfacing been paid for privately or by the NHS?

INTERVIEWER: COUNT AS NHS IF THE OPERATION WAS ON PRIVATE PREMISES BUT PAID FOR BY THE NHS. COUNT AS PRIVATE IF THE OPERATION WAS ON NHS PREMISES BUT PAID FOR PRIVATELY.

INCLUDE ALL JOINT REPLACEMENT OPERATIONS IF RESPONDENT HAS HAD MORE THAN ONE.

1. Privately/under insurance
2. NHS
3. SPONTANEOUSLY: Both

||
|
| END OF FILTER
|
| END OF FILTER
|
| END OF FILTER

Proxy – changes over two years

HEIQA**

SHOW CARD C6

Now we want you to remember what [^name] was like two years ago and to compare it with what [^he / she] is like now. Two years ago was in [^MY2Yago]. I will read out situations where [^name] has to use [^his / her] memory or intelligence and we want you to indicate whether this has improved, stayed the same or got worse in that situation [^over the past two years / since [^date of last interview]]. Note the importance of comparing [^name's] present performance with [^two years ago / when we last talked to you on [^date of last interview]]. So if [^two years ago / when we last talked to you on [^date of last interview]] [^name] always forgot where [^he / she] had left things, and [^he / she] still does, then this would be considered 'Hasn't changed much'.

Please indicate the changes you have observed giving the appropriate answer from the card.

1. Press [1] and [Enter] to continue
2. Unable to answer - does not know what the person was like two years ago [Don't Know and Refusal are not allowed]

IF whether can answer questions about participant's memory = continue

[Heiqa = 1]

HEIQB**

SHOW CARD C6

Compared with two years ago, how is [^name] at remembering things about family and friends, like occupations, birthdays or addresses?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQC**

SHOW CARD C6

Compared with two years ago, how is [^name] at remembering things that have happened recently?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQD**

SHOW CARD C6

Compared with two years ago, how is [^name] at recalling conversations a few days later?

1. Much improved

2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQE**

SHOW CARD C6

Compared with two years ago, how is [^name] at remembering [^his /her] address and telephone number?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQF**

SHOW CARD C6

Compared with two years ago, how is [^name] at remembering what day and month it is?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQG**

SHOW CARD C6

Compared with two years ago, how is [^name] at remembering where things are usually kept?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQH**

SHOW CARD C6

Compared with two years ago, how is [^name] at remembering where to find things which have been put in a different place from usual?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQI**

SHOW CARD C6

Compared with two years ago, how is [^name] at knowing how to work familiar machines around the house?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQJ**

SHOW CARD C6

Compared with two years ago, how is [^name] at learning to use a new gadget or machine around the house?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQK**

SHOW CARD C6

Compared with two years ago, how is [^name] at learning new things in general?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQL**

SHOW CARD C6

Compared with two years ago, how is [^name] at following a story in a book or on TV?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQM**

SHOW CARD C6

Compared with two years ago, how is [^name] at making decisions on everyday matters?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQN**

SHOW CARD C6

Compared with two years ago, how is [^name] at handling money for shopping?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQO**

SHOW CARD C6

Compared with two years ago, how is [^name] at handling financial matters, like the pension or dealing with the bank?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQP**

SHOW CARD C6

Compared with two years ago, how is [^name] at handling other everyday arithmetic problems, like knowing how much food to buy, or knowing how long between visits from family or friends?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

HEIQQ**

SHOW CARD C6

Compared with two years ago, how is [^name] at using intelligence to understand what's going on and to reason things through?

1. Much improved
2. A bit improved
3. Not much change
4. A bit worse
5. Much worse

END OF FILTER

Pain

HEPAIN

Are you often troubled with pain?

- 1 Yes
- 2 No

IF whether often troubled with pain = yes

[HePain = 1]

HEPAA

How bad is the pain most of the time? Is it...

INTERVIEWER: READ OUT

INTERVIEWER: INCLUDE PEOPLE WHO EXPERIENCE INTERMITTENT PAIN OFTEN.

1. mild,
2. moderate,
3. or, severe

HEPAWH

SHOW CARD C7

In which parts of the body do you feel pain?

INTERVIEWER: CODE ALL THAT APPLY.

1. Back
2. Hips
3. Knees
4. Feet
5. Mouth/teeth
6. Other
7. All over

Description	Variable	Archive
Back	HePaWh1	Hepawba
Hips	HePaWh2	Hepawhi
Knees	HePaWh3	Hepawkn
Feet	HePaWh4	Hepawfe
Mouth/teeth	HePaWh5	Hepawmo
Other	HePaWh6	Hepawot
All over	HePaWh7	Hepawal

IF pain in back, hips, knees, feet or all over
 [HEPAWH=1,2,3,4, 7]

HEPAB

How would you rate your pain if you were walking on a flat surface?
 Please rate your pain from 0-10 for each of the following where 0 is no pain and 10 is severe or excruciating pain, as bad as you can imagine.

1. Press [1] and enter to continue
2. Can't walk or never walks

IF rating pain when walking = can't walk
 [HEPab = 2]

HEPAB1

INTERVIEWER: CHECK WHETHER EVER WALKS ON A FLAT SURFACE – INCLUDE ACROSS THEIR ROOM AT HOME, EVEN IF THEY ONLY WALK VERY SLOWLY. ONLY CODE 1 IF THEY SAY NO.

1. Confirms never walks or cannot walk
2. Does sometimes walk on a flat surface

END OF FILTER

END OF FILTER

IF (pain in back OR pain all over) AND walks on a flat surface
 [HEPAWH = 1,7] AND [HePab1 =2]

HEBCK

(How would you rate the pain) in your back?
 INTERVIEWER: PROMPT IF NECESSARY: 'Where 0 is no pain and 10 is severe or excruciating pain, as bad as you can imagine'.
 Range: 0..10

END OF FILTER

IF (pain in hips OR pain all over) AND walks on a flat surface
 [HEPAWH = 2 or 7 AND HePab1 =2]

HEHIP

(How would you rate the pain) in your hips?
 INTERVIEWER: PROMPT IF NECESSARY: 'Where 0 is no pain and 10 is severe or excruciating pain, as bad as you can imagine'.
 Range: 0..10

END OF FILTER

IF (pain in knees OR pain all over) AND walks on a flat surface
 [HEPAWH = 3 or 7 AND HePab1 =2]

HEKNE

(How would you rate the pain) in your knees?
 INTERVIEWER: PROMPT IF NECESSARY: 'Where 0 is no pain and 10 is severe

or excruciating pain, as bad as you can imagine'.

Range: 0..10

END OF FILTER

IF pain in feet OR pain all over AND walks on a flat surface

[HEPAWH = 4 or 7] AND [HePab1 =2]

HEFET

(How would you rate the pain) in your feet?

INTERVIEWER: PROMPT IF NECESSARY: 'Where 0 is no pain and 10 is severe or excruciating pain, as bad as you can imagine'.

Range: 0..10

END OF FILTER

IF (knee pain rating is between 1 and 10) AND (type of arthritis = osteoarthritis)

[(HEKne = [1..10]) AND (HeArt=1)]

IF (IAskPx[pnum] <> Yes) THEN

IF rating pain when walking = continue [HEPab = 1]

HEBAL

SHOW CARD C8

How often do you have problems with keeping your balance when you are walking on a level surface?

1. Always
2. Very often
3. Often
4. Sometimes
5. Never
6. SPONTANEOUS: Never walks
7. SPONTANEOUS: Can't walk

END OF FILTER

IF reported problems with keeping balance when walking on level surface is <> never walks, can't walk [HeBal <>no walk, cant walk]

HEDIZ

SHOW CARD C8

How often do you have problems with dizziness when you are walking on a level surface?

1. Always
2. Very often
3. Often
4. Sometimes
5. Never
6. SPONTANEOUS: Never walks
7. SPONTANEOUS: Can't walk

END OF FILTER

END OF FILTER

HEADLA*

SHOW CARD C9

Because of a health problem, [^do you /does he /does she] have difficulty doing any of the activities on this card? Exclude any difficulties that you expect to last less than three months

INTERVIEWER: PROBE - 'What others?'

INTERVIEWER: CODE ALL THAT APPLY.

01 Walking 100 yards

02 Sitting for about two hours

03 Getting up from a chair after sitting for long periods

04 Climbing several flights of stairs without resting

05 Climbing one flight of stairs without resting

06 Stooping, kneeling, or crouching

07 Reaching or extending [^your / his / her] arms above shoulder level (either arm)

08 Pulling or pushing large objects like a living room chair

09 Lifting or carrying weights over 10 pounds, like a heavy bag of groceries

10 Picking up a 5p coin from a table

96 None of these

[CHECK HE2] CHECK: IF None = activities has difficulties doing (set A) [None = HeADLa]

CHECK: activities has difficulties doing (set A).CARDINAL = 1

[HeADLa.CARDINAL = 1]

INTERVIEWER: 'None' is an exclusive code at this question. Please change!

[code maximum 10 out of 11 possible responses]

Description	Variable	Archive
Mobility: difficulty walking 100 yards	HeADLa1	Hemobwa
Mobility: difficulty sitting 2 hours	HeADLa2	Hemobsi
Mobility: difficulty getting up from chair after sitting long periods	HeADLa3	Hemobch
Mobility: difficulty climbing several flights stairs without resting	HeADLa4	Hemobcs
Mobility: difficulty climbing one flight stairs without resting	HeADLa5	Hemobcl
Mobility: difficulty stooping, kneeling or crouching	HeADLa6	Hemobst
Mobility: difficulty reaching or extending arms above shoulder level	HeADLa7	Hemobre
Mobility: difficulty pulling or pushing large objects	HeADLa8	Hemobpu
Mobility: difficulty lifting or carrying weights over 10 pounds	HeADLa9	Hemobli
Mobility: difficulty picking up 5p coin from table	HeADLa10	Hemobpi
Mobility: whether said had none of listed difficulties	HeADLa96	Hemob96

HEADLB*

SHOW CARD C10

Here are a few more everyday activities. Please tell me if [^you have / [^name] has] any difficulty with these because of a physical, mental, emotional or memory problem. Again exclude any difficulties you expect to last less than three months.

Because of a health or memory problem, [^do you /does he /does she] have difficulty doing any of the activities on this card?

INTERVIEWER: PROBE - 'What others?'

INTERVIEWER: CODE ALL THAT APPLY.

01 Dressing, including putting on shoes and socks

02 Walking across a room

03 Bathing or showering

- 04 Eating, such as cutting up ^[your / his / her] food
- 05 Getting in or out of bed
- 06 Using the toilet, including getting up or down
- 07 Using a map to figure out how to get around in a strange place
- 08 Recognising when you are in physical danger
- 09 Preparing a hot meal
- 10 Shopping for groceries
- 11 Making telephone calls
- 12 Communication (speech, hearing or eyesight)
- 13 Taking medications
- 14 Doing work around the house or garden
- 15 Managing money, such as paying bills and keeping track of expenses
- 96 None of these

[CHECK HE3] CHECK: IF activities has difficulties doing (set B) = None [None = HeADLb]
CHECK: activities has difficulties doing (set B).CARDINAL = 1 [HeADLb.CARDINAL = 1]
INTERVIEWER: 'None' is an exclusive code at this question. Please change!

[code maximum 13 out of 14 possible responses]

Description	Variable	Archive
ADL: difficulty dressing, including putting on shoes and socks	HeADLb1	Headldr
ADL: difficulty walking across a room	HeADLb2	Headlwa
ADL: difficulty bathing or showering	HeADLb3	Headlba
ADL: difficulty eating, such as cutting up food	HeADLb4	Headlea
ADL: difficulty getting in and out of bed	HeADLb5	Headlbe
ADL: difficulty using the toilet, including getting up or down	HeADLb6	Headlwc
IADL: difficulty using map to figure out how to get around strange place	HeADLb7	Headlma
IADL: difficulty recognising when in physical danger	HeADLb8	Headlda
IADL: difficulty preparing a hot meal	HeADLb9	Headlpr
IADL: difficulty shopping for groceries	HeADLb10	Headlsh
IADL: difficulty making telephone calls	HeADLb11	Headlph
IADL: difficulty with communication (speech, hearing or eyesight)	HeADLb12	Headlsp
IADL: difficulty taking medications	HeADLb13	Headlme
IADL: difficulty doing work around house and garden	HeADLb14	Headlho
IADL: difficulty managing money, eg paying bills, keeping track expenses	HeADLb15	Headlmo
ADL&IADL: whether said had none of listed difficulties	HeADLb96	Headl96

Smoking

IF whether ever smoked cigarettes at Last interview <> yes
 [(IFFW[PNum].HeSmk <> Yes) AND (IAskpx[Pnum] <> Yes)]

HESMK*

[^Have you/ Has [^name]] ever smoked cigarettes?

INTERVIEWER: EXCLUDE e-cigarettes (electronic cigarettes)

1. Yes
2. No

END OF FILTER

IF (whether ever smoked cigarettes = yes) OR (whether ever smoked cigarettes at Last interview <> yes)

[IF (HeSmk = Yes) OR (IFFW[PNum].HeSmk = Yes AND IAskpx[Pnum] <> Yes) OR (IAskpx[Pnum] = Yes)]

HESKA*

[^Do you / Does [^name]] smoke cigarettes at all nowadays?

INTERVIEWER: EXCLUDE e-cigarettes (electronic cigarettes)

1. Yes
2. No

END OF FILTER

IF (whether smoked cigarettes at Last interview = yes) AND (whether smokes cigarettes now = no)

[IF (IFFW[PNum].HeSka = Yes AND HeSka = No) AND (IAskpx[Pnum] <> Yes)]

HESKD

The last time we interviewed you [*^on date of last interview*], you said that you were smoking at that time.

INTERVIEWER: CODE 1 BELOW UNLESS RESPONDENT SPONTANEOUSLY DISPUTES THIS RECORD.

1. Yes
2. No

IF whether smoking at last interview disputed = no

[HeSkd = 2]

HESKE

INTERVIEWER: CODE REASON WHY RESPONDENT DISPUTES THE RECORD. RESPONDENT SAYS...

1. Never smoked cigarettes
2. No longer smoking cigarettes by last interview
3. Stopped smoking cigarettes since last interview

ELSE IF whether smoking at last interview disputed = yes

[HeSkd = 1]

HESKF

INTERVIEWER: PROBE AS REQUIRED AND CODE RESPONSE GIVEN BY RESPONDENT.

INTERVIEWER: EXCLUDE e-cigarettes (electronic cigarettes)

1. Does smoke cigarettes nowadays
2. Stopped smoking cigarettes since last interview

END OF FILTER

IF (reason smoking disputed = stopped smoking) OR (whether smokes now = stopped smoking)

[HeSke = 3 OR HeSkf = 2]

HESTOP

SHOW CARD C23

What was the main reason that you stopped smoking cigarettes?

- 01 Doctor or nurse said I should stop
- 02 It is unhealthy
- 03 It is expensive / to save money

- 04 Pressure from family or friends
- 05 Worried about effect of passive smoke on people around me
- 06 Stopped enjoying it
- 07 Cosmetic reasons (e.g. smell, stained teeth, fingers, hair)
- 08 It's becoming harder to smoke in public or at work
- 09 Advertising
- 95 Other (SPECIFY)

IF reason for quitting smoking = other
[Hestop = 95]

HESTOPA

INTERVIEWER: Enter other reason given for stopping smoking.
String 30

[Open responses to HESTOPA were coded and then incorporated into HESTOP.]

END OF FILTER

END OF FILTER

END OF FILTER

IF whether smokes cigarettes nowadays = yes OR whether smokes now = does smoke cigarettes [(HESka = 1) OR (HESkf = 1)]

HECIG

Do you smoke cigarettes or roll ups?
INTERVIEWER: EXCLUDE e-cigarettes (electronic cigarettes)
1. Cigarettes
2. Roll ups
3. Both cigarettes and roll-ups

IF whether smokes cigarettes or roll ups = cigarettes, both
[HECig = 1, 3]

HESKB

About how many cigarettes a day do you usually smoke on weekdays?
INTERVIEWER: If range given and can't estimate, enter mid-point.
INTERVIEWER: EXCLUDE e-cigarettes (electronic cigarettes)
If less than one a day, enter 0.
Range: 0..997

HESKC

About how many cigarettes a day do you usually smoke at weekends?
INTERVIEWER: If range given and can't estimate, enter mid-point.
If less than one a day, enter 0.
INTERVIEWER: EXCLUDE e-cigarettes (electronic cigarettes)
Range: 0..997

[CHECK HE4] CHECK: IF number of cigarettes smoked on weekday = RESPONSE [HeSkb = RESPONSE]
CHECK: number of cigarettes smoked on weekday <= 200 [HeSkb <= 200]
INTERVIEWER: This is more than 200 a day. Please change.

[CHECK HE5] SIGNAL: IF number of cigarettes smoked on weekday =

RESPONSE [HeSkb = RESPONSE]

CHECK: number of cigarettes smoked on <= 60 [HeSkb <= 60]

INTERVIEWER: This seems high (^heskb). Please check.

*[CHECK HE6] CHECK: IF number of cigarettes smoked a day at weekends =
RESPONSE [HeSkc = RESPONSE]*

CHECK: number of cigarettes smoked a day at weekends <= 200 [HeSkc <= 200]

INTERVIEWER: This is more than 200 a day. Please change.

*[CHECK HE7] SIGNAL: IF number of cigarettes smoked a day at weekends =
RESPONSE [HeSkc = RESPONSE]*

CHECK: number of cigarettes smoked a day at weekends <= 60 [HeSkc <= 60]

INTERVIEWER: This seems high (^heskc). Please check.

END OF FILTER

IF whether smokes cigarettes or roll ups = roll ups, both

[HECig = 2, 3]

HETBA

How much tobacco do you normally smoke on a weekday?

INTERVIEWER: Code how answer is given.

1. Grams
2. Ounces

HETBB

(How much tobacco do you normally smoke on a weekday?)

INTERVIEWER: Enter amount.

Range: 0..997

*[CHECK HE8] CHECK: IF amount of tobacco smoked on weekday = RESPONSE
[HETbb = RESPONSE]*

CHECK: amount of tobacco smoked on weekday <= 200 [HETbb <= 200]

INTERVIEWER: This is more than 200 a day. Please change.

*[CHECK HE9] SIGNAL: IF tobacco smoked on weekday - whether grams or
ounces reported = Ounces*

[HeTba = 2]

CHECK: amount of tobacco smoked on weekday <= 4 [HETbb <= 4]

INTERVIEWER: This seems high (^hetbb ^hetba). Please check.

*[CHECK HE10] SIGNAL: IF tobacco smoked on weekday - whether grams or
ounces reported = grams [HeTba = 1]*

CHECK: amount of tobacco smoked on weekday <= 120 [HETbb <= 120]

INTERVIEWER: This seems high (^hetbb ^hetba). Please check.

HETBC

How much tobacco do you normally smoke a day at weekends?

INTERVIEWER: Code how answer is given.

1. Grams
2. Ounces

HETBD

(How much tobacco do you normally smoke a day at weekends?)

INTERVIEWER: Enter amount.

Range: 0..997

[CHECK HE11] CHECK: IF amount of tobacco smoked a day at weekends = RESPONSE [HETbd = RESPONSE]
CHECK: amount of tobacco smoked a day at weekends <= 200 [HETbd <= 200]
INTERVIEWER: This is more than 200 a day. Please change.

[CHECK HE12] SIGNAL: IF amount of tobacco smoked a day at weekends = Ounces [HeTbc =2]
CHECK: amount of tobacco smoked a day at weekends <= 4 [HETbd <= 4]
INTERVIEWER: This seems high (^hetbd ^hetbc). Please check.

[CHECK HE13] SIGNAL: IF amount of tobacco smoked a day at weekends = Grams [HeTbc = 1]
CHECK: amount of tobacco smoked a day at weekends <= 120 [HETbd <= 120]
INTERVIEWER: This seems high (^hetbd ^hetbc). Please check.

END OF FILTER

HECGSTP

Has a doctor or nurse ever advised you to stop smoking?

1. Yes
2. No

IF whether doctor / nurse advised to stop smoking = yes
[Hecgstp = 1]

HECGSTA

Did you stop for more than 6 months as a result of this advice?

1. Yes
2. No

END OF FILTER

END OF FILTER

Physical activity

HEACTA*

SHOW CARD C24

We would like to know the type and amount of physical activity involved in [^your / name's] daily life. [^Do you / Does he or she] take part in sports or activities that are **vigorous**...

INTERVIEWER: READ OUT

1. ...more than once a week,
2. once a week,
3. one to three times a month,
4. hardly ever, or never?

HEACTB*

SHOW CARD C24

And [^do you / does he or she] take part in sports or activities that are **moderately energetic**...

INTERVIEWER: READ OUT

1. ..more than once a week,
2. once a week,

3. one to three times a month,
4. hardly ever, or never?

HEACTC*

SHOW CARD C24

And [do you / does he or she] take part in sports or activities that are **mildly energetic**...

INTERVIEWER: READ OUT

1. ...more than once a week,
2. once a week,
3. one to three times a month,
4. hardly ever, or never?