

IF (age >= 65) [AgeOf >= 65]

HEBPCHK

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

- 1 Yes
- 2 No

END OF FILTER

IF (type of CVD condition at last interview = RESPONSE) AND NOT (type of CVD condition at last interview = none)

[(HeDiaa (Last int) = RESPONSE) AND NOT (HeDiaa (Last int) = 96)]

LOOP FOR EACH CVD CONDITION AT LAST INTERVIEW

HEDIAC*@

INTERVIEWER: Please check the following sentence before reading out loud.

[^BLANK / Our records show that when we last interviewed [^you / [^name]] on [^date of last interview] [^you / he / she] said that [^you / he / she] had had (or had been told by a doctor [^you / he / she] had had) / Our records also show that when we last interviewed [^you / [^name]] on [^date of last interview] [^you / he / she] said that [^you / he / she] had had (or had been told by a doctor [^you / he / she] had had) [^high blood pressure or hypertension / angina / a heart attack (including myocardial infarction / or coronary thrombosis) / congestive heart failure / a heart murmur / an abnormal heart rhythm / diabetes or high blood sugar / a stroke (cerebral vascular disease)].

INTERVIEWER: Code 1 below unless respondent spontaneously disputes this record.

- 1 Yes
- 2 No
- 3 Not read out as didn't make sense

[There is a separate variable for responses about each CVD condition. Responses are recoded in: HEDACBP HEDACAN HEDACMI HEDACHF HEDACAR HEDACDI HEDACST HEDACCH HEDACOT]

IF whether confirms previous CVD condition = no [HeDiaC = 2]

HEDIAN@*

INTERVIEWER: Code reason why respondent disputes having had [^high blood pressure or hypertension / angina / a heart attack (including myocardial infarction / or coronary thrombosis) / congestive heart failure / a heart murmur / an abnormal heart rhythm / diabetes or high blood sugar / a stroke (cerebral vascular disease)]. Respondent says...

- 1 Never had
- 2 No longer has
- 3 Did not have previously, but has now
- 4 Misdiagnosed

[There is a separate variable for responses about each of the type of illness]

[Responses are recoded in HEDANBP HEDANAN HEDANMI HEDANHF HEDANHM HEDANAR HEDANDI HEDANST HEDANCH HEDANOT]

END OF FILTER

IF (whether confirms previous CVD condition = yes) AND NOT (CVD condition at last interview =[Heart attack, diabetes or high blood sugar, or stroke])
[(HeDiaC = 1) AND NOT (PSeq = [3,7,8])]

HEDIAS* @

[^Do you / Does [^name]] still have [^high blood pressure or hypertension / angina / a heart attack etc.]?

INTERVIEWER: If spontaneously says that it is controlled by treatment code 'Yes'.

1 Yes

2 No

[There is a separate variable for responses about each of the type of illness]
[Responses to HEDIA are recoded in variables HEDASBP HEDASAN HEDASHF HEDASHM HEDASAR HEDASCH HEDASOT]

END OF FILTER

END OF FILTER

END OF FILTER

HEDIAA@*

SHOW CARD C2

[^Has / Apart from what you have already told us, and thinking about what has happened since we last saw [^you / [^name]] on [^date of last interview] has] a doctor [^BLANK / ever] told [^you / [^name]] that [^you have / he has / she has] (or have had) any of the [^BLANK / other] conditions on this card?

INTERVIEWER: PROBE - 'What others?' Code all that apply.

01 [^High blood pressure or hypertension]

02 [^Angina]

03 [^A heart attack (including myocardial infarction or coronary thrombosis)]

04 [^Congestive heart failure]

05 [^A heart murmur]

06 [^An abnormal heart rhythm]

07 [^Diabetes or high blood sugar]

08 [^A stroke (cerebral vascular disease)]

09 [^High cholesterol]

95 [^Any other heart trouble (SPECIFY)]

96 None of these

[Multiple responses to HEDIAA are recoded in variables HEDIABP HEDIAAN HEDIAMI HEDIAMI HEDIAHF HEDIAHM HEDIAAR HEDIADI HEDIAST HEDIACH HEDIA95 HEDIA96]
[code maximum 10 out of 11 possible responses]

[CHECK HE12-HE13]

IF type of CVD condition = other [HeDiaa = 95]

HEDIX* @

INTERVIEWER: Enter name of other heart condition.

String 30

[Open responses to HEDIX are coded and merged with the multiple responses to HEDIAA (recoded as above). These merged responses are recoded in variables: HEDIMBP HEDIMAN HEDIMMI HEDIMHF HEDIMHM HEDIMAR HEDIMDI HEDIMST HEDIMCH HEDIM85 HEDIM86 HEDIM96]

END OF FILTER

[CHECK HE14]

IF (type of CVD condition = high blood pressure) OR (type of CVD condition at last interview = high blood pressure AND reason for disputing high blood pressure <> Never had the condition, Misdiagnosed)

[(HeDiaa = 1) OR ((HeDiaa (Last int) = 1 AND HeDiaN <> 1 AND HeDiaN <> 4))]

HEHIBPB @

Some doctors suggest that some patients take medication to lower their blood pressure. Did a doctor or nurse ever suggest that you take any medication to lower your blood pressure?

1 Yes

2 No

[Response to HEHIBPB is recoded in variable HEHBPB]

END OF FILTER

IF ((type of CVD condition = high blood pressure) OR ((type of CVD condition at last interview = high blood pressure AND still has the previous condition = yes)) AND whether medication is taken <> no)

(((HeDiaa = 1) OR(HeDiaa (last int) = 1 AND HeDiaS = 1)) AND Hehibpb <>2)]

HEMDA*

[^Are you / Is [^name]] currently taking any medication, tablets or pills for high blood pressure?

1 Yes

2 No

END OF FILTER

IF ((whether still has CVD condition = no) OR (reason CVD condition disputed= no longer has) OR (whether taking medication for the condition at last interview = yes) OR (whether taking medication to prevent high BP = yes)) AND whether taking medication for high BP <> EMPTY AND whether recommended medication to lower BP <>No)

(((HeDiaN = 2) OR (HeDiaS = 2) OR (HEMdab (Last int) = 1) OR (HEMda (Last int) = 1)AND (HEMda <> EMPTY) AND (Hehibpb <>No))]

HEMDAB

Can I just check, are you taking any medication which prevents you from getting high blood pressure?

INTERVIEWER: If respondent queries the question say that they previously did report having high blood pressure.

END OF FILTER

IF type of CVD condition at last interview <> RESPONSE AND type of heart condition = angina [HeDiaa (Last int) <> RESPONSE AND HeDiaa = 2]

HEAGA*

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

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE15-HE16]

END OF FILTER

*IF ((type of CVD condition = angina) AND (type of CVD condition at last interview = RESPONSE) AND NOT (type of CVD condition at last interview = angina))
[((HeDiaa = 2) AND (HeDiaa (Last int) = RESPONSE) AND NOT (HeDiaa (Last int) = 2))]*

HEAGAR

When [^were/was] [^you/[^name]] first told by a doctor that you had angina?

INTERVIEWER: Enter response in month and year.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEAGARY

INTERVIEWER: Enter the year at this question.

Range:1900..2200

[CHECK HE17-HE18]

END OF FILTER

IF type of CVD condition = angina [HeDiaa = 2]

HEYRA

In the last two years, have you had any angina or chest pains due to your heart?

1 Yes

2 No

END OF FILTER

*IF type of condition at last interview <> RESPONSE AND type of conition = heart attack
[(HeDiaa (Last int) <> RESPONSE) AND (HeDiaa = 3)]*

HEAGB*

Approximately how old [^were you/ was [^name]] when [^you were/ he was /she was] first

told by a doctor that [^you/ he /she] had a heart attack (including myocardial infarction or coronary thrombosis)?

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE19-HE20]

END OF FILTER

*IF (type of CVD condition = heart attack) AND (type of CVD condition at last interview = RESPONSE)
AND (type of CVD condition at last interview <> heart attack)*

[(HeDiaa = 3) AND (HeDiaa (Last int) = RESPONSE) AND (HeDiaa (Last int) <> 3)]

HEAGBR*

When in the last two years [^were you/ was [^name] first told by a doctor that [^you/ he/ she] had a heart attack?

INTERVIEWER: Enter response in month and year.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEAGBRY*

INTERVIEWER: Enter the year at this question.

Range: 1900...2200

[CHECK HE21 - HE22]

END OF FILTER

IF (type of CVD condition = heart attack) OR (whether confirms previous CVD condition = yes AND reason CVD condition disputed <> Never had condition AND reason CVD condition disputed <> Misdiagnosed)

[(HeDiaa = 3) OR ((HeDiaC = 1) AND (HeDiaN <> 1) AND(HeDiaN <> 4))]

HENMMI*

How many heart attacks (including myocardial infarction or coronary thrombosis) [^have you/ has [^name]] had in the last two years according to a doctor?

1 1

2 2

3 3 or more

END OF FILTER

MT removed **HEYRB (Deleted wave 3)**

IF number of heart attacks = 1 or more [HeNmMI = 1,2,3]

HEBETA

Did any doctor ever tell [^you/ [^name] that [^you /he / she] should take a medication called a betablocker?

INTERVIEWER: PROBE - 'The following drugs are common betas blockers: Atenolol, metoprolol, acebutolol, metoprolol, propranolol, and timolol.'

1 Yes

2 No

END OF FILTER

MT removed **HEBETB***, **HEDIXA**

IF ((type of CVD condition at Last interview <> RESPONSE) AND (type of CVD condition = congestive heart failure))

[(HeDiaa (Last int) <> RESPONSE) AND (HeDiaa = 4)]

HEAGC*

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

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE23 - HE24]

END OF FILTER

IF ((type of CVD condition = congestive heart failure) AND (type of CVD condition at last interview = RESPONSE) AND NOT (type of CVD condition at last interview = congestive heart failure))

[(HeDiaa = 4) AND (HeDiaa (Last int) = RESPONSE) AND NOT (HeDiaa (Last int) = 4)]

HEAGCR*

When [^were you/ was [^name] first told by a doctor that [^you/ he/ she] had congestive heart failure?

INTERVIEWER: Enter response in month and year.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEAGCRY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

[CHECK HE25-HE26]

END OF FILTER

*IF (type of CVD condition at Last interview <> RESPONSE) AND (type of CVD condition = diabetes)
[(HeAgD (Last int) <> RESPONSE) AND HeDiaa = 7]*

HEAGD*

Approximately, how old [^were you/ was [^name]] when [^you were/ he was /she was] first told by a doctor that [^you/ he /she] had diabetes or high blood sugar?

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE27]

END OF FILTER

*IF ((type of CVD condition = diabetes) AND (type of CVD condition at Last interview = RESPONSE)
AND NOT (type of CVD condition at last interview = diabetes))
[((HeDiaa = 7) AND (HeDiaa (Last int) = RESPONSE) AND NOT (HeDiaa (Last int) = 7))]*

HEAGDR*

When [^were you/ was [^name]] first told by a doctor that [^you/ he/ she] had diabetes or high blood sugar?

INTERVIEWER: Enter response in month and year.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEAGDRY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

[CHECK HE28 - HE29]

END OF FILTER

IF ((told by doctor has diabetes at last interview = No OR told by doctor has diabetes at last interview = DK) AND (reason for disputing the condition <> Never had condition or Misdiagnosed)) OR (Whether confirms previous condition = yes AND whether told by doctor has diabetes at last interview <> RESPONSE)) AND (IASKPx[PNum]<> Yes)) OR (type of CVD condition = diabetes)

[(HeDiaa = 7) OR ((HeAcd (Last int) = No OR HeAcd (Last int) = DK) AND (HeDiaN <> 1, 4)) OR (HeDiaC = 1 HeAcd (Last Int<> RESPONSE) OR (HeDiaa = 7)]

HEACD*

INTERVIEWER: ASK OR CODE: Has a doctor ever told [^you/ [^name]] that [^you have/ he has/ she has] diabetes?

- 1 Yes
- 2 No

IF whether ever told had diabetes = yes [HeACd = 1]

HEINS*

[^Do you / Does [^name]] currently inject insulin for diabetes?

- 1 Yes
- 2 No

HEMDB*

[^Are you/ Is [^name]] currently taking any tablets, pills or other medication that [^you swallow/ he swallows/ she swallows] for diabetes?

- 1 Yes
- 2 No

HEACE*

Has a doctor discussed with [^you/ [^name]] whether [^you/ he/ she] should take a medication called an ACE inhibitor or A2 receptor blocker?

INTERVIEWER: PROBE - 'These drugs are also called angiotensin converting enzyme inhibitors or angiotensin-II receptor blockers. Examples are captopril, enalapril, lisinopril, losartan, and valsartan.

- 1 Yes
- 2 No

HEACEA*

SHOW CARD C3

I would like to check whether any of the medications [^you are/ [^name] is] taking are on this list of ACE inhibitors or A2 receptor blockers. Could you show me the medications, or the repeat prescription list for any medications, that [^you have/ he has/ she has] been taking over the past week?

INTERVIEWER: Please check the names of all medications to see if they are included in the list of ACE inhibitors or A2 receptor blockers. Press 1 if you identify one respondent's medications as being on the list of ACE inhibitors or A2 receptor blockers, otherwise press 2. PROBE: Can I just check that these are / this is a medication that been taking over the past week?

- 1 Taking ACE inhibitor or A2 receptor blocker
- 2 Not taking ACE inhibitor or A2 receptor blocker
- 3 Taking other ACE inhibitor not on the showcard

IF whether taking ACE inhibitor / A2 receptor blocker in past week = no [HeAcea = 2]

END OF FILTER

ELSE

IF whether taking ACE inhibitor / A2 receptor blocker in past week = taking other ACE inhibitor
[HeAcea = 3]

HEDIXB@

INTERVIEWER: Enter name of other ACE inhibitor.

String 30

END OF FILTER

END OF FILTER

||

||

IF (type of CVD condition at last interview = RESPONSE) AND (type of CVD condition = stroke)
[(HeDiaa (Last int) = RESPONSE) AND (HeDiaa = 8)]

HEAGE*

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

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE30 - HE31]

END OF FILTER

IF (type of CVD condition = stroke) AND (type of CVD condition at Last interview = RESPONSE)
[(HeDiaa = 8) AND (HeDiaa (Last int) = RESPONSE)]

HEAGER*

When [*^were you / was ^name*] first told by a doctor that [*^you /he /she*] had a stroke?

INTERVIEWER: Enter response in month and year

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEAGERY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

[CHECK HE32 - HE33]

END OF FILTER

IF ((type of CVD condition = stroke) OR ((type of CVD condition at Last interview = stroke) AND (reason CVD condition disputed <> Never had condition) AND (reason CVD condition disputed <> Misdiagnosed))

[(HeDiaa= 8) OR ((HeDiaa (Last int)= 8) AND (HeDiaN <> 1) AND (HeDiaN <> 4))]

HENMST*

How many strokes, if any, [^have you/ has [^name]] had in the last 2 years, according to a doctor?

0 0

1 1

2 2

3 3 or more

IF whether recommended medication to lower BP <> RESPONSE [Hehibpb <> RESPONSE]

HEHIBPB1

Some doctors suggest that some patients take medication to lower their blood pressure. Did a doctor or nurse ever suggest that you take any medication to lower your blood pressure?

1 Yes

2 No

[coded HEHBPB1 in data]

END OF FILTER

IF suggested medication for blood pressure <> no AND taking medication for high blood pressure = empty AND taking medication to prevent high blood pressure = empty [(Hehibpb1 <> No) AND (Hemda = EMPTY) AND (Hemdab = EMPTY)]

HEMDA1*

^Are you / Is name currently taking any medication, tablets or pills for high blood pressure?

1 Yes

2 No

END OF FILTER

HEPBS*

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

1 Yes

2 No

IF whether any remaining problems because of stroke = yes [HePbs = 1]

HEWKS*

[[^Do you / Does [^name]] have weakness in [^your/ his/ her] arms and legs, or decreased ability to move or use them?

1 Yes

2 No

HESPK*

([^Do you / Does [^name]] have) any difficulty speaking or swallowing?

1 Yes

2 No

HEVSI*

([^Do you / Does [^name]] have) any difficulty with vision?

1 Yes

2 No

HETHK*

([^Do you / Does [^name]] have) any difficulty in thinking or finding the right words to say?

1 Yes

2 No

END OF FILTER

END OF FILTER

IF (CVD9 IN HeDiaa) OR (QHeDiaa[9].HeDiaS = Yes) THEN

HeChMd

[Arels[pnum] ^youname[pnum]] currently taking any medication to lower [^yourhisher[pnum]] cholesterol level?

1 Yes

2 No

IF ((QHeDiaa[9].HediaN = Nolong) OR (QHeDiaa[9].HediaS = No) OR (IFFW[PNum].Hechme = Yes)) AND (IAskPx[PNum] <> Yes) AND (HeChMd <> RESPONSE) THEN

HeChMe

Can I just check, ^areis[pnum] ^youname[pnum] taking medication which prevents you from getting high cholesterol any more?

1 Yes

2 No

IF (type of CVD condition = angina, heart attack) OR ((type of CVD condition at last interview = angina, heart attack) AND ((whether confirms previous angina condition = yes) OR (whether confirms previous heart attack condition = yes)))

[(HeDiaa = 2, 3) OR ((HeDiaa (Last int) = 2, 3) AND ((HeDiaC = 1) OR (HeDiaC = 1)))]

HEHRTA*

Some doctors suggest that some patients take anticoagulant or blood thinning medication.

Did any doctor suggest that [^you / ^name]] take medication to thin [^your/ his/ her] blood such as warfarin or aspirin, Plavix, Ticlid, or other blood thinning medication?

1 Yes

2 No

IF whether advised to take blood thinning medication = yes [Hehrta = 1]

HEHRTB*

[^Are you / Is [^name]] currently taking medication to thin [^your / his / her] blood like Warfarin, Aspirin, Plavix, Ticlid, or other medication to thin the blood?

1 Yes

2 No

END OF FILTER

IF whether taking blood thinning medication = yes [Hehrtb = 1]

HEHRTC*

[^Are you / Is [^name]] taking Warfarin?

1 Yes

2 No

END OF FILTER

END OF FILTER

IF ((age >=55 AND age <=76) 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] THEN

HEYBOWT

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

INTERVIEWER: Enter the **year** here.

: 1900..2050

HEMBOWT

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 IF
END IF

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

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 HeMamB=yes

HEYMAMT

How long ago was your most recent breast screening mammogram?

INTERVIEWER: Enter the **year** here.
: 1900..2050

HEMMAMT

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

IF sex = -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 HePro=yes

HEYPROT

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

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

IF ((type of chronic condition = RESPONSE) AND NOT (type of chronic condition at last interview = none))

[((HeDiab (Last int) = RESPONSE) AND NOT (HeDiab (Last int) = 96))]

LOOP FOR Idx:= 1 TO 9

IF type of chronic condition at Last interview = Idx [HeDiab (Last int) = Idx]

HEDIAD@*

INTERVIEWER: Please check the following sentence before reading out loud.

[^BLANK / Our records show that when we last interviewed [^you / [^name]] on [^date of last interview] [^you / he / she] said that [^you/ he/ she] had had (or had been told by a doctor [^you /he /she] had had) / Our records also show that when we last interviewed [^you / [^name]] on [^date of interview] [^you/ he/ she] said that [^you/ he/ she] had had (or had been told by a doctor [^you/ he/ she] had had)] ^chronic lung disease such as chronic bronchitis or emphysema / asthma / arthritis / osteoporosis, sometimes called thin or brittle bones / cancer or a malignant tumour / Parkinson's disease / an emotional, nervous or psychiatric problem / Alzheimer's disease / dementia, senility or another serious memory impairment / malignant blood disorder, e.g. leukaemia / Multiple Sclerosis or Motor Neurone Disease].

INTERVIEWER: Code 1 below unless respondent spontaneously disputes this record.

1 Yes

2 No

3 Not read out as didn't make sense

***[There is a separate variable for responses about each of the type of illness]
[Responses are recoded in HEDBDLU HEDBDAS HEDBDAR HEDBDOS HEDBDCA
HEDBDPD HEDBDPS HEDBDAD HEDBDDE HEDBDL]***

IF whether confirms previous chronic condition = no [HeDiaD = 2]

HEDIAM@*

INTERVIEWER: Code reason why respondent disputes having had [^chronic lung disease such as chronic bronchitis or emphysema / asthma / arthritis / osteoporosis, sometimes called thin or brittle bones / cancer or a malignant tumour / Parkinson's disease / an emotional, nervous or psychiatric problem / Alzheimer's disease / dementia, senility or another serious memory impairment / malignant blood disorder, e.g. leukaemia / Multiple Sclerosis or Motor Neurone Disease]. Respondent says...

- 1 Never diagnosed
- 2 No longer has
- 3 Did not have previously, but has now
- 4 Misdiagnosed

[There is a separate variable for responses about each of the type of illness]

[Responses are recoded in HEDBMLU HEDBMASHEDBDMAR HEDBDMOS HEDMCA HEDBMPD HEDBMPS HEDBMAD HEDBMDE]

IF reason disputes condition = no longer has, did not have previously, but has now [HeDiaM = 2,3]

HEDIAMX@

INTERVIEWER: Did respondent have this condition at the time of the last interview?

If yes, go to HeDiaD and code 1 (Yes).

END OF FILTER

ELSE

IF whether confirms previous chronic condition = yes [HeDiaD = 1]

HEDIDS@*

[^Do you / Does [^name]] still have [^chronic lung disease such as chronic bronchitis or emphysema / asthma / arthritis / osteoporosis, sometimes called thin or brittle bones / cancer or a malignant tumour / Parkinson's disease / an emotional, nervous or psychiatric problem / Alzheimer's disease / dementia, senility or another serious memory impairment / malignant blood disorder, e.g. leukaemia / Multiple Sclerosis or Motor Neurone Disease]

Interviewer: If the respondent says that the condition is controlled by treatment code 'Yes'.?

- 1 Yes
- 2 No

[There is a separate variable for responses about each of the type of illness]

[Responses to HEDIDSare recoded in HEDBLU HEDBSAS HEDBSAR HEDBSOS HEDSCA HEDBSPD HEDBSDE HEDBSBL]

END OF FILTER

END OF FILTER

END OF FILTER

END OF FILTER

END OF FILTER

HEDIAB@*

SHOW CARD C4

[^Has / Apart from what you have already told us, and thinking about what has happened since we last saw [^you / [^name]] on [^date of last interview] has / Thinking about what has happened since we last saw [^you / [^name]] on [^date of last interview] has] a doctor [^BLANK / ever] told [^you / [^name]] that [^you have / he has / she has] (or had) any of the [^BLANK / other] conditions on this card?

INTERVIEWER: PROBE - 'What others?'...Code all that apply.

- 01 [^Chronic lung disease such as chronic bronchitis or emphysema]
- 02 [^Asthma]
- 03 [^Arthritis (including osteoarthritis , or rheumatism)]
- 04 [^Osteoporosis, sometimes called thin or brittle bones]
- 05 [^Cancer or a malignant tumour (excluding minor skin cancers)]
- 06 [^Parkinson's disease]
- 07 [^Any emotional, nervous or psychiatric problems]
- 08 [^Alzheimer's disease]
- 09 [^Dementia, senility or another serious memory impairment]
- 10 Malignant blood disorder, e.g. leukaemia
- 11 Multiple Sclerosis or Motor Neurone Disease
- 96 None of these

[Multiple responses to HEDIAB are recoded in variables HEDIBLU HEDIBAS HEDIBCA HEDIBPD HEDIBPS HEDIBAD HEDIBBL HEDIB96]

[code maximum 9 out of 10 possible responses]

[CHECK HE34 - HE35]

IF ((type of chronic condition at last interview = chronic lung disease) AND (whether confirms previous chronic condition = yes)) OR (type of chronic condition = chronic lung disease)

[((HeDiab (Last int) = 1) AND (HeDiaD = 1)) OR (HeDiab = 1)]

HELNG*

[^Are you / Is [^name]] taking medication or other treatment for [^your/ his/ her] lung condition?

- 1 Yes
- 2 No

IF ((disputed chronic lung condition = no longer has) OR (whether still has chronic lung disease = no) OR (was taking lung disease medication at last interview= yes)) AND (whether taking medication for condition <>RESPONSE)

[((HediaM = 2) OR (HedidS = 2) OR (HeLngB (last int)= Yes)) AND (HeLng <> RESPONSE)]

HELNGB

Can I just check, [^are / is] [^you / [^name]] taking medication which prevents [^him /her] from getting chronic lung disease, such as chronic bronchitis or emphysema, any more?

- 1 Yes
- 2 No

END OF FILTER

END OF FILTER

*IF ((type of chronic condition at last interview = asthma) AND (whether confirms previous chronic condition = yes)) OR (type of chronic condition = asthma)
[((HeDiab (Last int) = 2) AND (HeDiaD = 1)) OR (HeDiab = 2)]*

HEAMA*

[^Are you / Is [^name]] taking medication or other treatment for [^your /his /her] asthma?

1 Yes

2 No

*IF (disputes chronic lung disease = no longer has) OR (still has chronic lung disease = no)
[(HediaM = 2) OR (HedidS = 2)]*

HEAMB

Can I just check, [^are/is] [^you/name] taking medication which prevents [^him/her] from getting asthma any more?

1 Yes

2 No

END OF FILTER

END OF FILTER

IF type of chronic condition = arthritis [HeDiab = 3]

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....

1 Osteoarthritis?

2 Rheumatoid arthritis?

3 Some other kind of arthritis?

**[Multiple responses to HEART are recoded in variables HEARTOA HEARTRA HEARTOT]
[code maximum 3 out of 3 possible responses]**

IF ((type of chronic condition at Last interview <> RESPONSE) AND (type of chronic condition = arthritis)) OR ((type of chronic condition at last interview = arthritis) AND (whether confirms previous chronic condition = yes) AND (age first told had arthritis at last interview<> RESPONSE))

[((HeDiab (Last int) <> RESPONSE) AND (HeDiab = 3)) OR ((HeDiab (Last int) = 3) AND (HeDiaD = 1) AND (HeAgf (Last int) <> RESPONSE))]

HEAGF*

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

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE36]

ELSE

*IF ((type of chronic condition = arthritis) AND (type of chronic condition = RESPONSE))
AND NOT (type of chronic condition at Last interview = arthritis)*

[[((HeDiab = 3) AND (HeDiab (Last int) = RESPONSE)) AND NOT (HeDiab (Last int) = 3)]

HEAGFR*

When [^were you / was [^name]] first told by a doctor that [^you /he /she] had arthritis?

INTERVIEWER: Enter response in month and year.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEAGFRY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

[CHECK HE37 - HE38]

END OF FILTER

END OF FILTER

END OF FILTER

END OF FILTER

IF current chronic health condition = malignant blood disorder OR current blood disorder at last interview <> RESPONSE AND confirming previous malignant blood disorder = yes
[(HeDiab = 10) OR ((HeLeuk (Last int) <> RESPONSE) AND (Hediad = 1))]

HELEUK

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

INTERVIEWER: Read out...

1 ...leukaemia,

2 ...lymphoma,

3 or some other blood disorder?

END OF FILTER

IF ((type of chronic condition at last interview = osteoporosis) AND (whether confirms previous chronic condition = yes)) OR (type of chronic condition = osteoporosis)
[(HeDiab (Last int) = 4) AND (HeDiaD = 1)) OR (HeDiab = 4)]

HEOSTE

Has any doctor or nurse recommended taking calcium pills or Vitamin D?

- 1 Yes
- 2 No

IF (whether advised to take calcium/vitamin D pills = yes) [HeOste = 1]

HEOSTEA*

[^Do you / Does [^name]] take calcium pills or Vitamin D for [^your /his /her] osteoporosis or 'thin bones'?

- 1 Yes
- 2 No

END OF FILTER

HEOSTEB

Did a doctor or nurse recommend treatment with medication for [^your /his /her] osteoporosis or 'thin bones'?

- 1 Yes
- 2 No

IF whether recommended osteoporosis medication = yes [HeOsteb = 1]

HEOSTEC

Did [^you / [^name]] take any of them?

- 1 Yes
- 2 No

HEOSTED

Were these medicines recommended within 3 months of a doctor telling you that you had osteoporosis?

- 1 Yes
- 2 No

END OF FILTER

END OF FILTER

IF ((type of chronic condition at last interview <> RESPONSE) AND (type of chronic condition = cancer)) OR ((type of chronic condition at last interview = cancer) AND (whether confirms previous chronic condition = yes) AND (age first told had cancer at last interview <> RESPONSE)) [((HeDiab (Last int) <> RESPONSE) AND (HeDiab = 5)) OR ((HeDiab (Last int) = 5) AND (HeDiaD = 1) AND (HeAgg (Last int) <> RESPONSE))]

HEAGG*

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

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE39 – HE40]

ELSE

IF ((type of chronic condition = cancer) AND (type of chronic condition at last interview =

RESPONSE) AND NOT (type of chronic condition at Last interview = cancer))
[((HeDiab = 5) AND (HeDiab (Last int) = RESPONSE) AND NOT (HeDiab (Last int) = 5))]

HEAGGR*

When in the last two years [^were you / was [^name]] first told by a doctor that [^you /he / she] had cancer or a malignant tumor?

INTERVIEWER: Enter response in month and year. Enter 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

HEAGGRY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

IF blood disorders = leukaemia or lymphoma [HeLeuk =1,2]

HEAGK

Approximately how old [^were you / was name] when [^you /he /she] [^were /was] first told by a doctor that [^you / he/ she] had leukaemia or lymphoma?

INTERVIEWER: Enter age in years.

Range: 0..110

HEAGKR

When [^were you / was name] when [^you /he /she] [^were /was] first told by a doctor that [^you /he /she] had leukaemia or lymphoma?

INTERVIEWER: Enter response in month and year.

Enter month here.

HEAGKRY

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

END OF FILTER

[CHECK HE41 - HE42]

END OF FILTER

END OF FILTER

IF type of chronic condition = cancer [HeDiab = 5]

HECANAA*

SHOW CARD C6

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

INTERVIEWER: Code one only.

- 1 Lung
- 2 Breast
- 3 Colon, bowel or rectum
- 4 Lymphoma
- 5 Leukaemia
- 6 Melanoma or other skin cancer
- 7 Prostate
- 95 Somewhere else

HECANB*

During the last two years [^have you /has [^name]] received any treatment for [^your /his /her] cancer?

- 1 Yes
- 2 No

END OF FILTER

*IF blood disorders = leukaemia or lymphoma OR (blood disorders at last interview = leukaemia or lymphoma AND whether still has malignant blood disorders <> no longer has, misdiagnosed)
[(HeLeuk = 1,2) OR ((HeLeuk (last int) = 1,2) AND (HeDiaM <> 2) AND (HeDiaM <> 4))*

HECANBB

During the last two years, [^his/her] [^you/[^name]] received any treatment for [^his/her] leukaemia or lymphoma?

- 1 Yes
- 2 No

END OF FILTER

*IF ((type of chronic condition <> RESPONSE) AND (type of chronic condition = Parkinson's disease))
OR ((type of chronic condition at last interview = Parkinson's disease) AND (whether confirms previous chronic condition = yes) AND (age first told had Parkinson's disease <> RESPONSE))
[[((HeDiab (Last int) <> RESPONSE) AND (HeDiab = 6)) OR ((HeDiab (Last int) = 6) AND (HeDiaD = 1) AND (HePrk <> RESPONSE))]*

HEPRK*

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

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE43 - HE44]

ELSE

*IF ((type of chronic condition = Parkinson's disease) AND (type of chronic condition at last interview = RESPONSE) AND NOT (type of chronic condition at Last interview = Parkinson's disease))
[[((HeDiab = 6) AND (HeDiab (Last int) = RESPONSE) AND NOT (HeDiab (Last int) = 6))]*

HEPRKR*

When [^were you / was [^name]] first told by a doctor that [^you /he / she] had Parkinson's disease?

INTERVIEWER: Enter response in month and year.

01 January

02 February

03 March

04 April

05 May

06 June

07 July

08 August

09 September

10 October

11 November

12 December

HEPRKRY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

[CHECK HE45 - HE46]

END OF FILTER

END OF FILTER

IF ((type of chronic condition at last interview <> RESPONSE) AND (type of chronic condition = psychiatric problems)) OR ((type of chronic condition at last interview = psychiatric problems) AND (whether confirms previous chronic condition = yes) AND (age first told had psychiatric problems at last interview <> RESPONSE))

[((HeDiab (Last int) <> RESPONSE) AND (HeDiab = 7)) OR ((HeDiab (Last int) = 7) AND (HeDiaD = 1) AND (HeAgh (Last int) <> RESPONSE))]

HEAGH*

Approximately how old [^were you / was [^name]] when [^you were /he was /she was] first told by a doctor that [^you / he / she] had emotional, nervous or psychiatric problems?

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE47]

END OF FILTER

IF (type of chronic condition = psychiatric problems) AND (type of chronic condition at Last interview = RESPONSE)

[(HeDiab = 7) AND (HeDiab (Last int) = RESPONSE)]

HEAGHR*

When [^were you / was [^name]] told by a doctor that [^you /he /she] had emotional, nervous or psychiatric problems?

INTERVIEWER: Enter response in month and year.

01 January

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

HEAGHRY*

INTERVIEWER: Enter the year at this question.
Range: 1900..2050

[CHECK HE48 - HE49]

END OF FILTER

IF type of chronic condition = psychiatric problems [HeDiab = 7]

HEPSY@*

SHOW CARD C6

What type of emotional, nervous or psychiatric problems [^do (did) you /does (did) [^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 Manic depression
- 95 Something else

[Multiple responses to HEPSY are recoded in variables HEPSYHA HEPSYAN HEPSYDE HEPSYEM HEPSYSC HEPSYPS HEPSYMO HEPSYMA HEPSY95]

[code maximum 9 out of 9 possible responses]

END OF FILTER

IF ((type of chronic condition at last interview <> RESPONSE) AND (type of chronic condition = psychiatric problems)) OR ((type of chronic condition at last interview = psychiatric problem) AND (whether confirms previous psychiatric condition = yes) AND NOT (type of chronic condition = psychiatric problems))

[((HeDiab (Last int) <> RESPONSE) AND (HeDiab = 7)) OR ((HeDiab (Last int) = 7) AND (HeDiaD = 1) AND NOT (HeDiab = 7))]

HEYRC*

During the last two years [^have you /has [^name]] had emotional, nervous or psychiatric

problems?
1 Yes
2 No

END OF FILTER

IF ((type of chronic condition at last interview <> RESPONSE) AND (type of chronic condition = Alzheimer's)) OR ((type of chronic condition at last interview = Alzheimer's) AND (whether confirms previous psychiatric problem = yes) AND (age first told had Alzheimer's at last interview = RESPONSE)) [((HeDiab (Last int) <> RESPONSE) AND (HeDiab = 8)) OR ((HeDiab (Last int) = 8) AND (HeDiaD = 1) AND (HeAgi (Last int) <> RESPONSE))]

HEAGI*

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

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE50 - HE51]

ELSE

IF ((type of chronic condition = Alzheimer's) AND (type of chronic condition = RESPONSE) AND NOT (type of chronic condition at last interview = Alzheimer's)) [((HeDiab = 8) AND (HeDiab (Last int) = RESPONSE) AND NOT (HeDiab (Last int) = 8))]

HEAGIR*

When [^were you / was [^name]] told by a doctor that [^you /he /she] had Alzheimer's Disease?

INTERVIEWER: Enter response in month and year.

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

HEAGIRY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

[CHECK HE52 - HE53]

END OF FILTER

END OF FILTER

IF ((type of chronic condition at Last interview <> RESPONSE) AND (type of chronic condition = memory impairment)) OR ((type of chronic condition at Last interview = memory impairment) AND (whether confirms previous chronic condition = yes) AND (age first told had memory impairment at Last interview <> RESPONSE))

[((HeDiab (Last int) <> RESPONSE) AND (HeDiab = 9)) OR ((HeDiab (Last int) = 9 AND (HeDiaD = 1) AND (HeAgj (Last int) <> RESPONSE)))]

HEAGJ*

Approximately how old [^were you /was [^name]] when [^you were /he was /she was] first told by a doctor that [^you /he /she] had dementia, senility or any other serious memory impairment?

INTERVIEWER: Enter age in years.

Range: 0..110

[CHECK HE54 - HE55]

ELSE

IF ((type of chronic condition = memory impairment) AND (type of chronic condition at last interview = RESPONSE) AND NOT (type of chronic condition at Last interview = memory impairment))

[((HeDiab = 9) AND (HeDiab (Last int) = RESPONSE) AND NOT (HeDiab (Last int) = 9))]

HEAGJR*

When in the last two years [^were you / was [^name]] first told by a doctor that [^you /he /she] had dementia, senility or any other serious memory impairment?

INTERVIEWER: Enter the response as 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

HEAGJRY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

[CHECK HE56 - HE57]

END OF FILTER

END OF FILTER