

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 hedachm 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]

If disputed condition = no longer has [Hedian = 2]

HeDia @

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

If yes, go to HeDiaC and code 1.

- 1 Yes
- 2 No

[Multiple responses to HEDIA are recoded in variables hediabp, hediaan, hediemi, hediahf, hediahm, hediaar, hediadi, hediast, hediach, hedia95, hedia96]

END OF FILTER

END OF FILTER

IF (whether confirms previous CVD condition = yes) AND NOT (Last interview condition = [Heart attack or stroke]) [(HeDiaC = 1) AND NOT (PSeq = [3, 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 Hedias are recoded in variables: hedasbp hedasan hedashf
hedashm hedasar hedasch hedasot]***

END OF FILTER

END OF FILTER

END OF FILTER

HEDIAA@*

SHOW CARD E

[^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 hediemi hediahf
hediahm hediaar hediadi hediast hediach hedia95 hedia96]***

[code maximum 10 out of 11 possible responses]

[CHECK HE10-HE11]

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 HE12]

IF (type of CVD condition = high blood pressure) OR (type of CVD condition at Last interview = high blood pressure AND whether confirms previous high blood pressure condition = yes) [(HeDiaa = 1) OR (HeDiaa (Last int) = 1 AND HeDiaC = 1)]

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]

HEMA*

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

1 Yes

2 No

END OF FILTER

IF CVD conditions = no longer has or or still has CVD conditions = no or previous wave medication to prevent high blood pressure = yes

[HEDIAN = no or HEDIAS = no or IFFW[pnum].HEMDAB = yes]

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) OR (type of CVD condition at Last interview = angina AND whether confirms previous angina condition = yes AND age first told had angina <> RESPONSE) [(HeDiaa (Last int) <> RESPONSE AND HeDiaa = 2) OR (HeDiaa (Last int) = 2 AND HeDiaC = 1 AND HeAgA (Last int) <> RESPONSE)]

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 HE13-HE14]

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

If month when told had angina = response [If HEAGAR = RESPONSE]

HEAGARY

INTERVIEWER: Enter the year at this question.

Range: 2002..2004

[CHECK HE15-HE16]

END OF FILTER

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 CVD condition <> RESPONSE) AND (type of CVD condition = heart attack)) OR ((type of CVD condition at Last interview = heart attack) AND (whether confirms previous heart attack condition = yes) AND (age first told had heart attack <> RESPONSE)) (((HeDiaa (Last int) <> RESPONSE) AND (HeDiaa = 3)) OR ((HeDiaa (Last int) = 3) AND (HeDiaC = 1) AND (HeAgB (Last int) <> RESPONSE)))

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 HE17-HE18]

END OF FILTER

IF (type of CVD condition = heart attack) AND (type of CVD condition at Last interview = RESPONSE) [(HeDiaa = 3) AND (HeDiaa (Last int) = RESPONSE)]

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

If month when told had heart attack = response [If HEAGBR = RESPONSE]

HEAGBRY*

INTERVIEWER: Enter the year at this question.

Range: 2002..2004

END OF FILTER

[CHECK HE19 - HE20]

END OF FILTER

IF (type of CVD condition at Last interview = RESPONSE) AND (type of CVD condition = heart attack) [(HeDiaa (Last int) = RESPONSE) AND (HeDiaa = 3)]

HENMMI*

How many heart attacks (including myocardial infarction or coronary thrombosis) [^have you / has [^name]] had since we last talked to [^you / him / her] [^on date of last interview] according to a doctor?

1 1

2 2

3 3 or more

END OF FILTER

IF ((type of CVD condition at Last interview <> RESPONSE) AND (type of CVD condition = heart attack)) OR ((type of CVD condition at Last interview = heart attack) AND NOT (type of CVD condition = heart attack)) [(HeDiaa (Last int) <> RESPONSE) AND (HeDiaa = 3)] OR ((HeDiaa (Last int) = 3) AND NOT (HeDiaa = 3))

HEYRB*

In the past two years, [^have you / has [^name]] had a heart attack or myocardial infarction?

- 1 Yes
- 2 No

END OF FILTER

IF ((type of CVD condition = heart attack) AND (type of CVD condition at Last interview = RESPONSE)) OR ((type of CVD condition at Last interview <> RESPONSE) AND (whether had heart attack in past two years = yes)) [((HeDiaa = 3) AND (HeDiaa (Last int) = RESPONSE)) OR ((HeDiaa <> RESPONSE) AND (HeYRb = 1))]

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

HEBETB*

SHOW CARD F

I would like to check whether any of the medications [^you are / ^name] is] taking are on this list of beta-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 against the showcard to see if they are included in the list of beta-blockers.

Please ask respondents to check the name of their medication on their prescription if necessary.

Press <1> if you identify one of the respondent's medications as being on the list, otherwise press <2>.

PROBE: Can I just check that these are / this is a medication that [^you have / he has / she has] been taking over the past week?

- 1 Taking beta-blocker
- 2 Not taking beta-blocker
- 3 Taking other beta blocker not on the showcard

IF whether taking beta-blocker in past week = taking other beta-blocker [HeBetb = 3]

HEDIXA* @

INTERVIEWER: Enter the name of the other beta blocker.
String 30

END OF FILTER

END OF FILTER

IF ((type of CVD condition at Last interview <> RESPONSE) AND (type of CVD condition = congestive heart failure)) OR ((type of CVD condition at Last interview = congestive heart failure) AND (whether confirms previous congestive heart failure condition = yes) AND (age first told had congestive heart failure at Last interview <> RESPONSE)) [((HeDiaa (Last int) <> RESPONSE) AND (HeDiaa = 4)) OR ((HeDiaa (Last int) = 4) AND (HeDiaC = 1) AND (HeAgC (Last int) <> RESPONSE))]

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 HE21 - HE22]

END OF FILTER

*IF ((type of CVD condition = congestive heart failure) AND (type of CVD condition at Wave 1 = 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 in the last two years [^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

If month when told had congestive heart failure = response [If HEAGCR = RESPONSE]

HEAGCRY*

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

[CHECK HE23-HE24]

END OF FILTER

END OF FILTER

IF ((type of CVD condition at Last interview <> RESPONSE) AND (type of heart condition = diabetes)) OR ((type of CVD condition at Last interview = diabetes) AND (whether confirms previous diabetes condition = yes) AND (age first told had diabetes at Last interview <> RESPONSE)) [((HeDiaa (Last int) <> RESPONSE) AND (HeDiaa = 7)) OR ((HeDiaa (Last int) = 7) AND (HeDiaC = 1) AND (HeAgD (Last int) <> RESPONSE))]

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 HE25]

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 in the last two years [^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 HE26 - HE27]

END OF FILTER

IF (type of CVD condition = diabetes) OR (type of CVD condition at Last interview = diabetes)
[[(HeDiaa = 7) OR (HeDiaa (Last int) = 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 G

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]

HEWEE

Some doctors check to see if patients with diabetes have protein in their urine. [^Have you /Has [^name]] had a urine test for protein in the past 12 months?

INTERVIEWER: PROBE - 'This test may also be called a microalbumin test, and involves a first morning urine sample or 24-hour urine collection.'

1 Yes

2 No

IF whether had urine test in past 12 months = yes [Hewee = 1]

HEWEEA

Has a doctor ever told you that you have protein in your urine?

1 Yes

2 No

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

HEKIDN

Has a doctor ever told you that you that your diabetes has caused trouble with your kidneys?

1 Yes

2 No

HESUG

Have you ever had a special blood test to see how well your blood sugar was controlled? This test is called a glycosylated haemoglobin, or haemoglobin A1c, or fructosamine. This is a blood test taken at a doctor's surgery or health centre or laboratory.

- 1 Yes
- 2 No

IF whether ever had blood sugar test = yes [Hesug = 1]

HESUGA

Have you had this test (glycosylated haemoglobin or fructosamine) performed in the past 12 months?

- 1 Yes
- 2 No

END OF FILTER

HEFTCHK

Some doctors suggest that some patients with diabetes have a regular foot examination. In the past year, has any doctor or nurse examined your bare feet?

- 1 Yes
- 2 No

END OF FILTER

END OF FILTER

IF ((type of CVD condition at Last interview = RESPONSE) AND (type of CVD condition = stroke)) OR ((type of CVD condition at Last interview = stroke) AND (whether confirms previous stroke condition = yes) AND (age first told had a stroke = RESPONSE)) [((HeDiaa (Last int) = RESPONSE) AND (HeDiaa = 8)) OR ((HeDiaa (Last int) = 8) AND (HeDiaC = 1) AND (HeAgE (Last int) = RESPONSE))]

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 HE29 - HE30]

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 HE31 - HE32]

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))]

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

END OF FILTER

IF (type of CVD condition = stroke) OR ((type of CVD condition at Last interview = stroke) AND (whether confirms previous stroke condition = yes)) [(HeDiaa = 8) OR ((HeDiaa (Last int) = 8) AND (HeDiaC = 1))]

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 hehibpb1 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 (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) OR (Whether is a proxy respondent = Yes) [Hehrta = 1 OR IAskPx = 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

IF whether taking warfarin = yes [Hehrtc = 1]

HEHRTD

Many doctors ask patients on Warfarin to get their blood tested regularly. The test checks how thin their blood is, and is sometimes called an INR test. [^Do you / Does [^name]] get [^your / his / her] blood checked for this?

- 1 Yes
- 2 No

IF whether has INR test = yes [Hehrted = 1]

HEHRTE

[^Have you / Has [^name]] had this blood test in the past 12 weeks?

- 1 Yes
- 2 No

IF whether had INR test in past 12 weeks = yes [Hehrte = 1]

HEHRTF

[^Have you / Has [^name]] had this blood test in the past 4 weeks?

- 1 Yes
- 2 No

END OF FILTER

END OF FILTER

END OF FILTER

END OF FILTER

END OF FILTER

IF (((type of CVD condition = [angina, heart attack, diabetes])) OR (((type of CVD condition at Last interview = [angina, heart attack, diabetes])) AND ((whether confirms previous angina condition = yes) OR (whether confirms previous heart attack condition = yes) OR (whether confirms previous diabetes condition = yes)))) AND (type of CVD condition = high cholesterol) [(((HeDiaa = [2, 3, 7])) OR (((HeDiaa (Last int) = [2, 3, 7])) AND ((HeDiaC = 1) OR (HeDiaC = 1) OR (HeDiaC = 1)))) AND (HeDiaa = 9)]

HECHOL

Has any doctor talked to you about how to lower your cholesterol? This would include changing your diet, losing weight, getting more exercise, or taking medication.

- 1 Yes
- 2 No

IF whether advised how to lower cholesterol = yes [Hechol = 1]

HECHOLA

Have you done any of these things to lower your cholesterol?

- 1 Yes

2 No

END OF FILTER

END OF FILTER

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

HeChMd

Are you / Is name currently taking any medication to lower your / his / her ^hisher cholesterol level?"

1 Yes

2 No

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

HeChMe

Can I just check, are you / is name taking medication which prevents you from getting high cholesterol any more?

1 Yes

2 No

END OF FILTER

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.

HEBowC

Have you ever completed a home testing kit for screening bowel cancer?

1 Yes

2 No

IF [HEBowC = yes]

HEYBowT

How long ago was your most recent test? (ENTER YEAR)

RANGE: 1900 - 2011

HEMBowT

How long ago was your most recent test? (ENTER MONTH)

HEBowP

Was this test part of the NHS Bowel Cancer Screening Programme?

1 Yes

2 No

END OF FILTER

IF sex = female

HEMam

Have you ever had a mammogram (x-ray of your breasts)?

- 1 Yes
- 2 No

IF HEMam = yes

HEYMamT

How long ago was your most recent mammogram? (ENTER YEAR)
RANGE: 1900 – 2011

HEMMamT

How long ago was your most recent mammogram? (ENTER MONTH)

HEMamR

What was the reason for your most recent mammogram?

- 1 Routine screening by the NHS Breast Screening Programme
- 2 Non-routine referral to the NHS
- 3 Private examination
- 4 NHS screening owing to a family history of breast cancer
- 5 Follow-up after breast cancer treatment

END FILTER

ELSE 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? (ENTER YEAR)
RANGE: 1900 – 2011

HEMProT

How long ago was your most recent PSA test or other examination? (ENTER MONTH)

END FILTER

END 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].

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 hedbdb]

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]. 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, hedbmas, hedbmar, hedbmos, hedbmca, hedbmpd, hedbmpd, hedbmpe, hedbmad, hedbmde, hedbmbl]

If HeDiaM = NoLong or HasNow

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]

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 hedbsca hedbspd, hedbsde, hedbsbl]

END OF FILTER
END OF FILTER
END OF FILTER
END OF FILTER
END OF FILTER

HEDIAB@*

SHOW CARD

[^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
- 96 None of these

**[Multiple responses to HEDIAB are recoded in variables: hediblu hedibas hedibar hedibos hedibca hedibpd hedibps hedibad hedibbl hedib96]
[code maximum 9 out of 10 possible responses]**

[CHECK HE33 - HE34]

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 (Hediam) = no longer or still have chronic lung disease (HeDids) = No or was taking lung disease medication at previous wave (and IAskPx[PNum] <> Yes)

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) [((QHeDiab[2].HediaM = Nolong) OR (QHeDiab[2].HedidS = No))]

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 heaartot]
[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 HE35]

| 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 HE36 - HE37]

END OF FILTER

END OF FILTER

END OF FILTER

IF (type of arthritis = osteoarthritis) OR ((type of arthritis at Last interview = osteoarthritis) AND (type of chronic condition at Last interview = arthritis) AND (whether confirms previous chronic condition = yes)) [(HeArt = 1) OR ((HeArt (Last int) = 1) AND (HeDiab (Last int) = 3) AND (HeDiaD = 1))]

HEARTA

Has any doctor or nurse ever talked to you about...

What your arthritis or joint pain will be like as time goes on?

- 1 Yes
- 2 No

HEARTB

(Has any doctor or nurse ever talked to you about...)

How to keep your arthritis or joint pain from getting worse?

- 1 Yes
- 2 No

HEARTC

(Has any doctor or nurse ever talked to you about...)

How your arthritis or joint pain will be treated?

- 1 Yes

2 No

IF whether told how arthritis pain will be treated = yes [HeArtc = 1]

HEARTD

(Has any doctor or nurse ever talked to you about...)

what the specific purpose of the treatment for your arthritis or joint pain is?

1 Yes

2 No

END OF FILTER

HEARTE

Some doctors suggest trying paracetamol as the first medication for arthritis or joint pain.

Did any doctor or nurse recommend you try paracetamol before other medicines for your joint pain?

1 Yes

2 No

END OF FILTER

If current chronic health condition = malignant blood disorder or (answered HeLeuk in previous wave and confirming previous malignant blood disorder = yes and not a proxy interview)

IF (MalBlood IN HeDiab) OR (IFFW[PNum].HeLeuk <> RESPONSE AND QHeDiab[10].hediad = Yes AND IAskPx[PNum] <> Yes) THEN

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/vit D pills = Yes) OR (Whether is a proxy respondent = Yes) [(HeOste = 1) OR (IAskPx = 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 [^you / 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 HE38 - HE39]

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 IF (HeLeuk = Leukaemia or Lymphoma)

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 HE40 - HE41]

END OF FILTER

END OF FILTER

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

HECANAA*

SHOW CARD J

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 (had blood disorders at previous wave = leukaemia or lymphoma and still has malignant blood disorders <> no longer and <> misdiagnosed and not a proxy interview

IF ((IW1HeLeuk IN [Leukaemia,Lymphoma]) OR ((IFFW[PNum].HeLeuk IN [Leukaemia,Lymphoma]) AND QHeDiab[10].HeDiaM <> NoLong AND QHEDIab[10].HEdiaM <> Misdiag AND (IAskPx[PNum] <> Yes))

HeCanbb

During the last two years, ^havehas[pnum] ^youname[pnum] received any treatment for ^hisher[pnum] 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 HE42 - HE43]

ELSE

IF ((type of chronic condition = Parkinson's disease) AND (type of chronic condition at Wave 1 = RESPONSE) AND NOT (type of chronic condition at Last interview = Parkinson's disease)) [((HeDiab = 6) AND (HeDiab (Last int) = RESPONSE) AND NOT (HeDiab (Last interview) = 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 HE44 - HE45]

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 HE46]

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 HE47 - HE48]

END OF FILTER

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

HEPSY@*

SHOW CARD K

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 hepsyhan 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 HE49 - HE50]

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 HE51 - HE52]

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 HE53 - HE54]

ELSE

IF ((type of chronic condition = memory impairment) AND (type of chronic condition at Wave 1 = 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 HE55 - HE56]

END OF FILTER

END OF FILTER