

IF (age >= 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 cardiovascular disease condition at last interview = RESPONSE)

AND

NOT (type of cardiovascular disease condition at last interview = none)

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

Variables with feed forward information for each condition are:

Description	Variable	Archive
Diagnosed high blood pressure fed forward	HeDiaW	Hedawbp
Diagnosed angina fed forward	HeDiaW2	Hedawan
Diagnosed heart attack fed forward	HeDiaW3	Hedawmi
Diagnosed congestive heart failure fed forward	HeDiaW4	Hedawhf
Diagnosed heart murmur fed forward	HeDiaW5	Hedawhm
Diagnosed abnormal heart rhythm fed forward	HeDiaW6	Hedawar
Diagnosed diabetes or high blood sugar fed forward	HeDiaW7	Hedawdi
Diagnosed stroke fed forward	HeDiaW8	Hedawst
Diagnosed high cholesterol fed forward	HeDiaW9	Hedawch
Diagnosed other heart disease fed forward	HeDiaW10	Hedaw95 (previously archived as hedawot')

LOOP FOR EACH CARDIOVASCULAR DISEASE 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

Description	Variable	Archive
Whether confirms high blood pressure diagnosis	HeDiaC	Hedacbp
Whether confirms angina diagnosis	HeDiaC2	Hedacan
Whether confirms heart attack diagnosis	HeDiaC3	Hedacmi
Whether confirms congestive heart failure diagnosis	HeDiaC4	Hedachf
Whether confirms heart murmur diagnosis	HeDiaC5	Hedachm
Whether confirms abnormal heart rhythm diagnosis	HeDiaC6	Hedacar
Whether confirms diabetes or high blood sugar diagnosis	HeDiaC7	Hedacdi
Whether confirms stroke diagnosis	HeDiaC8	Hedacst
Whether confirms high cholesterol diagnosis	HeDiaC9	Hedacch
Whether confirms other heart disease diagnosis	HeDiaC10	Hedac95 (previously archived as hedacot')

IF whether confirms previous cardiovascular disease 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

Description	Variable	Archive
Reason disputed high blood pressure diagnosis fed forward	HeDiaN	Hedanbp
Reason disputed angina diagnosis fed forward	HeDiaN2	Hedanan
Reason disputed heart attack diagnosis fed forward	HeDiaN3	Hedanmi
Reason disputed congestive heart failure diagnosis fed forward	HeDiaN4	Hedanhf
Reason disputed heart murmur diagnosis fed forward	HeDiaN5	Hedanhm
Reason disputed abnormal heart rhythm diagnosis fed forward	HeDiaN6	Hedanar
Reason disputed diabetes or high blood sugar diagnosis fed forward	HeDiaN7	Hedandi
Reason disputed stroke diagnosis fed forward	HeDiaN8	Hedanst
Reason disputed high cholesterol diagnosis fed forward	HeDiaN9	Hedanch
Reason disputed other heart disease diagnosis fed forward	HeDiaN10	Hedan95 (previously archived as 'hedanot')

END OF FILTER

IF (whether confirms previous cardiovascular disease condition = yes) AND NOT (cardiovascular disease condition at last interview =[Heart attack, diabetes or high blood sugar, or stroke])
[(HeDiaC = 1) AND ANY(1, HeDiaN, HeDiaN2, HeDiaN4, HeDiaN5, HeDiaN6 , HeDiaN9, HeDiaN10)]

HEDIAS*

[^Do you / Does [^name]] still have [^high blood pressure or hypertension / angina / congestive heart failure / heart murmur / abnormal heart rhythm / high cholesterol / other heart disease]?

INTERVIEWER: IF SPONTANEOUSLY SAYS THAT IT IS CONTROLLED BY TREATMENT CODE 'Yes'.

- 1 Yes
- 2 No

Description	Variable	Archive
Whether still has high blood pressure	HeDiaS	Hedasbp
Whether still has angina	HeDiaS2	Hedasan
Whether still has congestive heart failure	HeDiaS4	Hedashf
Whether still has heart murmur	HeDiaS5	Hedashm
Whether still has abnormal heart rhythm	HeDiaS6	Hedasar
Whether still has high cholesterol	HeDiaS9	Hedasch
Whether still has other heart disease	HeDiaS10	Hedas95 (previously archived as 'hedasot')

END OF FILTER

END OF LOOP

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?'

INTERVIEWER: 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

[Code maximum 10 out of 11 possible responses]

Cardiovascular Disease New	Variable	Archive
High blood pressure or hypertension	HeDiaa1	Hediabp
Angina	HeDiaa2	Hediaan
A heart attack	HeDiaa3	Hediami
Congestive heart failure	HeDiaa4	Hediahf
A heart murmur	HeDiaa5	Hediahm
An abnormal heart rhythm	HeDiaa6	Hediaar
Diabetes or high blood sugar	HeDiaa7	Hediadi
A stroke	HeDiaa8	Hediast
High cholesterol	HeDiaa9	Hediach
Any other heart trouble	HeDiaa95	Hedia95
None of these	HeDiaa96	Hedia96

[CHECK HE12-HE13]

IF type of cardiovascular disease 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 in the following variables:]

Description (Merged Variables)	Archive
Cardiovascular disease: high blood pressure diagnosis newly reported (merged)	Hedimbp
Cardiovascular disease: angina diagnosis newly reported (merged)	Hediman
Cardiovascular disease: heart attack diagnosis newly reported (merged)	Hedimmi
Cardiovascular disease: congestive heart failure diagnosis newly reported (merged)	Hedimhf
Cardiovascular disease: heart murmur diagnosis newly reported (merged)	Hedimhm
Cardiovascular disease: abnormal heart rhythm diagnosis newly reported (merged)	Hedimar
Cardiovascular disease: diabetes or high blood sugar diagnosis newly reported (merged)	Hedimdi
Cardiovascular disease: stroke diagnosis newly reported (merged)	Hedimst
Cardiovascular disease: high cholesterol diagnosis newly reported (merged)	Hedimch
Cardiovascular disease: heart disease diagnosis newly reported does not fit codes	Hedim85
Cardiovascular disease: other heart disease: irrelevant response given	Hedim86
Cardiovascular disease: no new diagnosis reported	Hedim96

END OF FILTER

[CHECK HE14]

IF (type of cardiovascular disease condition = high blood pressure) OR (type of cardiovascular disease condition at last interview = high blood pressure AND reason for disputing high blood pressure <> Neverhad the condition, Misdiagnosed)

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

HEHIBPB (archive: HEHBPB)

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

END OF FILTER

IF ((type of cardiovascular disease condition = high blood pressure) OR ((type of cardiovascular disease 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 cardiovascular disease condition = no)

OR

(reason cardiovascular disease 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 = 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 cardiovascular disease 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 cardiovascular disease condition = angina) AND (type of cardiovascular disease condition at last interview =

RESPONSE) AND NOT (type of cardiovascular disease 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.

INTERVIEWER: 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

HEAGARY

INTERVIEWER: ENTER THE **YEAR** AT THIS QUESTION.

Range:1900..2200

[CHECK HE17-HE18]

END OF FILTER

IF type of cardiovascular disease 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 cardiovascular disease condition = heart attack) AND (type of cardiovascular disease condition at last interview = RESPONSE) AND (type of cardiovascular disease 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.

INTERVIEWER: 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

HEAGBRY*

INTERVIEWER: ENTER THE **YEAR** AT THIS QUESTION.

Range: 1900...2200

[CHECK HE21 - HE22]

END OF FILTER

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

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 beta blockers: Atenolol, metoprolol, acebutolol, metoprolol, propranolol, and timolol.'

- 1 Yes
- 2 No

END OF FILTER

IF ((type of cardiovascular disease condition at Last interview <> RESPONSE) AND (type of cardiovascular disease 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 cardiovascular disease condition = congestive heart failure) AND (type of cardiovascular disease condition at last interview = RESPONSE) AND NOT (type of cardiovascular disease 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.

INTERVIEWER: 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

HEAGCRY*

INTERVIEWER: ENTER THE **YEAR** AT THIS QUESTION.

Range: 1900..2050

[CHECK HE25-HE26]

END OF FILTER

*IF (type of cardiovascular disease condition at Last interview <> RESPONSE) AND (type of cardiovascular disease 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 cardiovascular disease condition = diabetes) AND (type of cardiovascular disease condition at Last interview = RESPONSE)
AND NOT (type of cardiovascular disease 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.

INTERVIEWER: 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

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 (Not a proxy interview))
OR
(Type of cardiovascular disease condition = diabetes) AND (Proxy and non proxy interview)
[(((HeAcD (Last int) = No OR HeAcD (Last int) = DK) AND (HeDiaN <> 1, 4))
OR (HeDiaC = 1 AND HeAcD (Last Int)<> RESPONSE) AND Not a proxy interview))
OR (HeDiaa = 7) AND Proxy and non proxy interview]

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 A2 RECEPTOR BLOCKERS. PRESS 1 IF YOU IDENTIFY ONE OF THE RESPONDENT'S MEDICATIONS AS BEING ON THE LIST OF ACE INHIBITORS OR A2 RECEPTOR BLOCKERS, OTHERWISE PRESS 2..

INTERVIEWER: 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

[Open responses to HEDIXB were coded and then incorporated into HEACEA.]

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 cardiovascular disease condition at last interview = RESPONSE) AND (type of cardiovascular disease 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 cardiovascular disease condition = stroke) AND (type of cardiovascular disease 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.

INTERVIEWER: 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

HEAGERY*

INTERVIEWER: ENTER THE **YEAR** AT THIS QUESTION.

Range: 1900..2050

[CHECK HE32 - HE33]

END OF FILTER

IF ((type of cardiovascular disease condition = stroke) OR ((type of cardiovascular disease condition at Last interview = stroke) AND (reason cardiovascular disease condition disputed <> Never had condition) AND (reason cardiovascular disease 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 (archive: HEHBPB1)

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

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 cardiovascular disease condition = high cholesterol) OR (confirms last wave high cholesterol condition

[(HeDiaa = 9) OR (HeDiaS = Yes)]

HeChMd

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

1 Yes

2 No

END OF FILTER

IF (reason why disputes previous high cholesterol diagnosis is = no longer have it) OR (previously was taking high cholesterol medication and is interviewed in person and has not answered question HeChMd)

[(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, ^areisl[pnum] ^youname[pnum] taking medication which prevents you from getting high cholesterol any more?

1 Yes

2 No

END OF FILTER

IF (type of cardiovascular disease condition = angina, heart attack) OR ((type of cardiovascular disease 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?

INTERVIEWER: PLEASE ONLY INCLUDE ASPIRIN IF IT IS TAKEN AS A MEDICATION TO THIN THE BLOOD, ONCE A DAY IN A LOW DOSE.

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?

INTERVIEWER: PLEASE ONLY INCLUDE ASPIRIN IF IT IS TAKEN AS A MEDICATION TO THIN THE BLOOD, ONCE A DAY IN A LOW DOSE.

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 [Hehrtd = 1]

HEHRTE*

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

1 Yes

2 No

END OF FILTER

END OF FILTER

END OF FILTER

END OF FILTER

IF (type of cardiovascular disease condition = angina, heart attack, diabetes) OR ((type of cardiovascular disease 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 cardiovascular disease condition = high cholesterol)

[(HeDiaa = 2, 3, 7) OR ((HeDiaa (Last int) = 2, 3, 7) AND ((HeDiaC(2) = 1) OR (HeDiaC(3) = 1) OR (HeDiaC(7) = 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

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 @

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

INTERVIEWER: ENTER THE **YEAR** HERE.

: 1900..2050

[Responses are recoded in HEBOWTY]

HEMBOWT @ (archive: HEBOWTM)

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 (archive: HEYMAMTY)

How long ago was your most recent breast screening mammogram?

INTERVIEWER: ENTER THE **YEAR** HERE.

: 1900..2050

HEMMAMT (archive: HEYMAMTM)

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 (archive: heyproty)

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 (archive: heyprotm)

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

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

Description	Variable	Archive
Chronic lung disease	HeDiaD	Hedbdlu
Asthma	HeDiaD2	Hedbdas
Arthritis	HeDiaD3	Hedbdar
Osteoporosis	HeDiaD4	Hedbdos
Cancer or a malignant tumour	HeDiaD5	Hedbdca
Parkinson's disease	HeDiaD6	Hedbdpd
An emotional, nervous or psychiatric problem	HeDiaD7	Hedbdps
Alzheimer's disease	HeDiaD8	Hedbdad
Dementia, senility or another serious memory	HeDiaD9	Hedbdde
Malignant blood disorder	HeDiaD10	Hedbdbl
Multiple Sclerosis or Motor Neuron Disease	HeDiaD11	Hedbdms

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 condition]

Description	Variable	Archive
Chronic lung disease	HeDiaM	Hedbmlu
Asthma	HeDiaM2	Hedbmas
Arthritis	HeDiaM3	Hedbdmar
Osteoporosis	HeDiaM4	Hedbdmos
Cancer or a malignant tumour	HeDiaM5	Hedmca
Parkinson's disease	HeDiaM6	Hedbmpd
An emotional, nervous or psychiatric problem	HeDiaM7	Hedbmps
Alzheimer's disease	HeDiaM8	Hedbmad
Dementia, senility or another serious memory	HeDiaM9	Hedbmde
Malignant blood disorder	HeDiaM10	Hedbmbli
Multiple Sclerosis or Motor Neurone Disease	HeDiaM11	Hedbmms

END OF FILTER

*IF whether confirms previous chronic condition = yes AND condition is not emotional/nervous/psychiatric problem or Alzheimer's
[IF HeDiaD = 1 and not (HeDiaM7 OR HeDiaM8)]*

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 / 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 condition]

Description	Variable	Archive
Chronic lung disease	HeDiDS	Hedblu
Asthma	HeDiDS2	Hedbsas
Arthritis	HeDiDS3	Hedbsar
Osteoporosis	HeDiDS4	Hedbsos
Cancer or a malignant tumour	HeDiDS5	Hedsca
Parkinson's disease	HeDiDS6	Hedbspd
Dementia, senility or another serious memory	HeDiDS9	Hedbsde
Malignant blood disorder	HeDiDS10	Hedbsbl
Multiple Sclerosis or Motor Neurone Disease	HeDiDS11	Hedbsms

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?'

INTERVIEWER: 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

[code maximum 9 out of 10 possible responses]

Description	Variable	Archive
Chronic lung disease	HeDiab	Hediblu
Asthma	HeDiab2	Hedibas
Arthritis	HeDiab3	Hedibar
Osteoporosis	HeDiab4	Hedibos
Cancer or a malignant tumour	HeDiab5	Hedibca
Parkinson's disease	HeDiab6	Hedibpd
Any emotional, nervous or psychiatric problems	ReDiab7	Hedibps
Alzheimer's disease	ReDiab8	Hedibad
Dementia, senility or another serious memory	HeDiab9	Hedibde
Malignant blood disorder	HeDiab10	Hedibbl
Multiple Sclerosis or Motor Neuron Disease	HeDiab11	Hedibms
None of these	HeDiab96	Hedib96

[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?

[code maximum 3 out of 3 possible responses]

Description	Variable	Archive
Osteoarthritis	HeArt1	Heartoa
Rheumatoid arthritis	HeArt2	Heartra
Some other kind of arthritis	HeArt3	Heartot

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))]

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]

END OF FILTER

IF ((type of chronic condition = arthritis) AND (type of chronic condition at Last interview = 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.

INTERVIEWER: 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

HEAGFRY*

INTERVIEWER: ENTER THE **YEAR** AT THIS QUESTION.

Range: 1900..2050

[CHECK HE37 - HE38]

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

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 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* (archived under SL; recoded variable HEAGGS – which suppresses outliers – is archived under EUL)

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]

END OF FILTER

*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 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

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.

INTERVIEWER: ENTER THE **MONTH** AT THIS QUESTION.

HEAGKRY

INTERVIEWER: ENTER THE **YEAR** AT THIS QUESTION.

Range: 1900..2050

END OF FILTER

[CHECK HE41 - HE42]

END OF FILTER

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

HECANAA* (archived under SL; recoded variable HECANAAR - which collapses Leukaemia/Lymphoma categories – is archived under EUL)

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]

END OF FILTER

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.

INTERVIEWER: 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

HEPRKRY*

INTERVIEWER: ENTER THE YEAR AT THIS QUESTION.

Range: 1900..2050

[CHECK HE45 - HE46]

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* (archived under SL; recoded variable HEAGHS – which suppresses outliers – is
archived under EUL)**

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.

INTERVIEWER: 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

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?'

INTERVIEWER: CODE ALL THAT APPLY.

INTERVIEWER: 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

[code maximum 9 out of 9 possible responses]

Description	Variable	Archive
Hallucinations	HePsy1	Hepsyha
Anxiety	HePsy2	Hepsyan
Depression	HePsy3	Hepsyde
Emotional problems	HePsy4	Hepsyem
Schizophrenia	HePsy5	Hepsyse
Psychosis	HePsy6	Hepsyps
Mood swings	HePsy7	Hepsymo
Manic depression	HePsy8	Hepsyma
Something else	HePsy9	Hepsy95

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 (Psych = HeDiab) OR (Psych = IFFW[PNum].HeDiab) [Psych = HeDiab OR 7 = IFFW[PNum].HeDiab]

IF (IAskPx <> Yes) AND (depress = HePsy) [IAskPx <> Yes AND depress = HePsy]

HEPSYA

I have some questions about any treatment you may have had for your depression. In the last 2 years has a doctor or nurse suggested that you take medication, or see a mental health professional for counselling?

INTERVIEWER: PROBE - 'This may include seeing a psychiatrist, psychologist, or social worker for counselling or psychotherapy.'

- 1 Medication
- 2 Counselling
- 3 Both medication and counselling
- 4 None

IF I have some questions about <> None [HePsya <> 4]

HEPSYB

Did you start within 2 weeks of being offered this treatment?

- 1 Yes
- 2 No

HEPSYC

Did you feel better within 6 weeks after starting to take medication, or seeing a mental health professional for counselling?

1 Yes

2 No

HEPSYD

Did any doctor or nurse start you on medication, change the dose of the medication that you were taking, or change the medications to help you feel better?

1 Yes

2 No

END OF FILTER

HEPSYE

When you talked about these feelings with a doctor or nurse, did they ask you on that day if you had thoughts about suicide?

1 Yes

2 No

END OF FILTER

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]

END OF FILTER

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.

INTERVIEWER: 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

HEAGIRY*

INTERVIEWER: ENTER THE **YEAR** AT THIS QUESTION.

Range: 1900..2050

[CHECK HE52 - HE53]

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]

END OF FILTER

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.

INTERVIEWER: 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

/