

```

| | | LOOP FOR Perno:= 1 TO 2
| | |   |
| | |   | IF QInd.Session = Yes [Session = Yes]
| | |   |   |
| | |   |   | IF Is this a proxy respondent? <> Yes [IAskPx <> Yes]
| | |   |   |   |
| | |   |   |   | HEBPCHK
| | |   |   |   |
| | |   |   |   | In the past year, has any doctor or nurse checked your blood pressure?
| | |   |   |   | 1 Yes
| | |   |   |   | 2 No
| | |   |   |   |
| | |   |   |   | END OF FILTER
| | |   |   |   |
| | |   |   |   | IF types of CVD conditions = RESPONSE) AND NOT (None =
| | |   |   |   | IFFW[PNum].HeDiaa) [IFFW[PNum].HeDiaa = RESPONSE AND NOT
| | |   |   |   | None = IFFW[PNum].HeDiaa]
| | |   |   |   |
| | |   |   |   | LOOP FOR Idx:= 1 TO 10
| | |   |   |   |   |
| | |   |   |   |   | IF (Idx = IFFW[PNum].HeDiaa) AND (IAskPx <> Yes) [Idx =
| | |   |   |   |   | IFFW[PNum].HeDiaa AND IAskPx <> Yes]
| | |   |   |   |   |
| | |   |   |   |   | HEDIAC
| | |   |   |   |   |
| | |   |   |   |   | INTERVIEWER: Please check the following sentence before reading out loud.
| | |   |   |   |   |
| | |   |   |   |   | .
| | |   |   |   |   |
| | |   |   |   |   | INTERVIEWER: Code 1 below unless respondent spontaneously disputes
| | |   |   |   |   | this
| | |   |   |   |   | record.
| | |   |   |   |   | 1 Yes
| | |   |   |   |   | 2 No
| | |   |   |   |   | 3 Not read out as didn't make sense
| | |   |   |   |   |
| | |   |   |   |   | IF whether confirms previous CVD condition = No [HeDiaC =

```

```

| | | | | | | | | 2]
| | | | | | | | |
| | | | | | | | | HEDIAN
| | | | | | | | |
| | | | | | | | | INTERVIEWER: Code reason why respondent disputes having had .
Respondent
| | | | | | | | | says...
| | | | | | | | | 1 Never had
| | | | | | | | | 2 No longer has
| | | | | | | | | 3 Did not have previously, but has now
| | | | | | | | | 4 Misdiagnosed
| | | | | | | | |
| | | | | | | | | IF (HeDiaN = NoLong) OR (HeDiaN = HasNow) [HeDiaN = 2
| | | | | | | | | OR HeDiaN = 3]
| | | | | | | | |
| | | | | | | | | HEDIAX
| | | | | | | | |
| | | | | | | | | 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
| | | | | | | | |
| | | | | | | | | END OF FILTER
| | | | | | | | |
| | | | | | | | | ELSE
| | | | | | | | |
| | | | | | | | | IF ((HeDiaC = Yes) OR (HeDiaX = Yes)) AND NOT (PSeq = [3,
| | | | | | | | | 7, 8]) [HeDiaC = 1 OR HeDiaX = 1 AND NOT PSeq = 3, 7, 8]
| | | | | | | | |
| | | | | | | | | HEDIAS
| | | | | | | | |
| | | | | | | | | still have ?
| | | | | | | | |
| | | | | | | | | INTERVIEWER: If spontaneously says that it is controlled by treatment
code
| | | | | | | | | 'Yes'.
| | | | | | | | | 1 Yes
| | | | | | | | | 2 No
| | | | | | | | |
| | | | | | | | | END OF FILTER
| | | | | | | | |
| | | | | | | | | END OF FILTER
| | | | | | | | |
| | | | | | | | | END OF FILTER
| | | | | | | | |
| | | | | | | | | END OF FILTER
| | | | | | | | |
| | | | | | | | | END OF FILTER

```

HEDIAA

SHOW CARD C3

a doctor told that (or have had) any of the conditions on this card?

INTERVIEWER:PROBE - 'What others?'

Code all that apply.

01 ^XCon[1]

02 ^XCon[2]

03 ^XCon[3]

04 ^XCon[4]

05 ^XCon[5]

06 ^XCon[6]

07 ^XCon[7]

08 ^XCon[8]

09 ^XCon[9]

95 Any other heart trouble (SPECIFY)

96 None of these

**[code maximum 10 out of 11 possible responses]**

IF (EditQre = Yes) AND (CVDOth = HeDiaa) [EditQre = 1 AND  
CVDOth = HeDiaa]

HEDIAZ

EDITOR : Back code here - CODE FRAME 2

Has a doctor ever told that (or had) any of the conditions on this card?

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

85 Other answer - not codeable 01-08

86 Irrelevant response - not codeable 01-08

95 Any other heart trouble (SPECIFY)

96 None of these

[Don't Know and Refusal are not allowed]

**[code maximum 13 out of 13 possible responses]**

END OF FILTER

IF (CVDOth = HeDiaa) AND ((EditQre <> Yes) OR (HeDiaZ = EMPTY  
OR (Other = HeDiaZ))) [CVDOth = HeDiaa AND EditQre <> 1 OR HeDiaZ  
= EMPTY OR 95 = HeDiaZ]

HEDIX

```

| | | | | INTERVIEWER: Enter name of other heart condition.
| | | | | String30
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | IF (CVD1 = HeDiaa) OR (((CVD1 = IFFW[PNum].HeDiaa) AND
| | | | | (QHeDiaa.HeDiaN <> Never)) AND (QHeDiaa.HeDiaN <> MisDiag))
| | | | | [CVD1 = HeDiaa OR 1 = IFFW[PNum].HeDiaa AND QHeDiaa.HeDiaN <>
| | | | | 1 AND QHeDiaa.HeDiaN <> 4]
| | | | |
| | | | | IF Is this a proxy respondent? <> Yes [IAskPx <> Yes]
| | | | |
| | | | | 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
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | IF (CVD1 = HeDiaa) OR (QHeDiaa.HeDiaS = Yes) [CVD1 = HeDiaa OR
| | | | | QHeDiaa.HeDiaS = 1]
| | | | |
| | | | | HEMDA
| | | | |
| | | | | currently taking any medication, tablets or pills for high blood pressure?
| | | | | 1 Yes
| | | | | 2 No
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | IF (((QHeDiaa.HeDiaN = NoLong) OR (QHeDiaa.HeDiaS = No)) OR
| | | | | whether currently taking medication preventing high BP = Yes)) AND
| | | | | (IAskPx <> Yes)) AND (HeMDa <> RESPONSE) [QHeDiaa.HeDiaN = 2 OR
| | | | | QHeDiaa.HeDiaS = 2 OR IFFW[PNum].HemDab = 1 AND IAskPx <> 1
| | | | | AND HeMDa <> RESPONSE]
| | | | |
| | | | | 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.
| | | | | 1 Yes

```

2 No

END OF FILTER

IF (((IAskPx <> Yes) AND (CVD2 = HeDiaa)) AND types of CVD  
conditions = RESPONSE)) AND NOT (CVD2 = IFFW[PNum].HeDiaa)  
[IAskPx <> Yes AND CVD2 = HeDiaa AND IFFW[PNum].HeDiaa =  
RESPONSE AND NOT 2 = IFFW[PNum].HeDiaa]

**HEAGAR**

When were you told by a doctor that you had angina?

INTERVIEWER: Enter response in month and year.

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

**HEAGARY**

INTERVIEWER: Enter the year at this question.

Range: 1900..2200

END OF FILTER

IF ((CVD2 = HeDiaa) AND types of CVD conditions <> RESPONSE)  
OR (IAskPx = Yes))) OR ((HeagaR = DONTKNOW) OR (HeagaRY =  
DONTKNOW)) [CVD2 = HeDiaa AND IFFW[PNum].HeDiaa <>  
RESPONSE OR IAskPx = Yes OR HeagaR = DONTKNOW OR HeagaRY =  
DONTKNOW]

**HEAGA**

Approximately how old when first told by a doctor that had angina?

INTERVIEWER: Enter age in years.

Range: 0..110

END OF FILTER

IF (((CVD2 = IFFW[PNum].HeDiaa) AND (QHeDiaa.HeDiaN <>  
Never)) AND (QHeDiaa.HeDiaN <> MisDiag)) OR (CVD2 = HeDiaa)  
AND (IAskPx <> Yes) [CVD2 = IFFW[PNum].HeDiaa AND

| | | | | QHeDiaa.HeDiaN <> 1 AND QHeDiaa.HeDiaN <> 4 OR CVD2 = HeDiaa  
| | | | | AND IAskPx <> Yes]

| | | | | **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 types of CVD conditions <> RESPONSE) AND (CVD3 = HeDiaa)  
| | | | | [IFFW[PNum].HeDiaa <> RESPONSE AND CVD3 = HeDiaa]

| | | | | **HEAGB**

| | | | | Approximately how old when first told by a doctor that had a heart  
| | | | | attack (including myocardial infarction or coronary thrombosis)?

| | | | | INTERVIEWER: Enter age in years.

| | | | | Range: 0..110

| | | | | ELSE

| | | | | IF ((CVD3 = HeDiaa) AND types of CVD conditions = RESPONSE))  
| | | | | AND NOT (CVD3 = IFFW[PNum].HeDiaa) [CVD3 = HeDiaa AND  
| | | | | IFFW[PNum].HeDiaa = RESPONSE AND NOT 3 =  
| | | | | IFFW[PNum].HeDiaa]

| | | | | **HEAGBR**

| | | | | When told by a doctor that had a heart attack?

| | | | | INTERVIEWER: Enter response in month and year.

| | | | | 01 January

| | | | | 02 February

| | | | | 03 March

| | | | | 04 April

| | | | | 05 May

| | | | | 06 June

| | | | | 07 July

| | | | | 08 August

| | | | | 09 September

| | | | | 10 October

| | | | | 11 November

| | | | | 12 December

| | | | | **HEAGBRY**

| | | | | INTERVIEWER: Enter the year at this question.

| | | | | Range: 1900..2200



**HEAGCR**

When told by a doctor that had congestive heart failure?

INTERVIEWER: Enter response in month and year.

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

**HEAGCRY**

INTERVIEWER: Enter the year at this question.

Range: 1900..2050

*IF (HeAgcR = DONTKNOW) OR (HeAgcRY = DONTKNOW)  
[HeAgcR = DONTKNOW OR HeAgcRY = DONTKNOW]*

**HEAGC**

Approximately how old when first told by a doctor that had congestive heart failure?

INTERVIEWER: Enter age in years.

Range: 0..110

END OF FILTER

END OF FILTER

END OF FILTER

*IF types of CVD conditions <> RESPONSE) AND (CVD7 = HeDiaa)  
[IFFW[PNum].HeDiaa <> RESPONSE AND CVD7 = HeDiaa]*

**HEAGD**

May I check, how old when first told by a doctor that had diabetes or high blood sugar?

INTERVIEWER: Enter age in years.

Range: 0..110

```

| | | | | ELSE
| | | | |
| | | | | IF ((CVD7 = HeDiaa) AND types of CVD conditions = RESPONSE))
| | | | | AND NOT (CVD7 = IFFW[PNum].HeDiaa) [CVD7 = HeDiaa AND
| | | | | IFFW[PNum].HeDiaa = RESPONSE AND NOT 7 =
| | | | | IFFW[PNum].HeDiaa]
| | | | |
| | | | | HEAGDR
| | | | |
| | | | | When told by a doctor that 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
| | | | |
| | | | | IF (HeAgdR = DONTKNOW) OR (HeAgdRY = DONTKNOW)
| | | | | [HeAgdR = DONTKNOW OR HeAgdRY = DONTKNOW]
| | | | |
| | | | | HEAGD
| | | | |
| | | | | May I check, how old when first told by a doctor that had
| | | | | diabetes or high blood sugar?
| | | | |
| | | | | INTERVIEWER: Enter age in years.
| | | | | Range: 0..110
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | IF (whether ever told had diabetes = No) OR (whether ever told had
| | | | | diabetes = DONTKNOW)) OR ((QHeDiaa.HeDiaC = Yes) AND whether
| | | | | ever told had diabetes <> RESPONSE))) AND (IAskPx <> Yes)) OR (CVD7
| | | | | = HeDiaa) [IFFW[PNum].HeACd = No OR IFFW[PNum].HeACd =
| | | | | DONTKNOW OR QHeDiaa.HeDiaC = 1 AND IFFW[PNum].HeACd <>

```

| | | | | RESPONSE AND IAskPx <> 1 OR CVD7 = HeDiaa]

| | | | | **HEACD**

| | | | | INTERVIEWER: ASK OR CODE: Has a doctor ever told that diabetes?

| | | | | 1 Yes

| | | | | 2 No

| | | | | END OF FILTER

| | | | | IF whether ever told had diabetes = Yes) AND (IAskPx <> Yes)) OR  
| | | | | (HeACd = Yes) [IFFW[PNum].HeACd = Yes AND IAskPx <> Yes OR  
| | | | | HeACd = 1]

| | | | | **HEINS**

| | | | | currently inject insulin for diabetes?

| | | | | 1 Yes

| | | | | 2 No

| | | | | **HEMDB**

| | | | | currently taking any tablets, pills or other medication that swallow for  
diabetes?

| | | | | 1 Yes

| | | | | 2 No

| | | | | IF Is this a proxy respondent? <> Yes [IAskPx <> Yes]

| | | | | **HEACE**

| | | | | Has a doctor discussed with whether 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

| | | | | END OF FILTER

| | | | | **HEACEA**

| | | | | SHOW CARD C4

| | | | | I would like to check whether any of the medications 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 have  
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 of the 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 (IAskPx <> Yes) AND (HeAcea = NotAce) [IAskPx <> Yes AND HeAcea = 2]*

**HEWEE**

Some doctors check to see if patients with diabetes have protein in their urine. 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 = OthAce [HeAcea = 3]*

**HEDIXB**

INTERVIEWER: Enter name of other ACE inhibitor.  
String30

END OF FILTER

END OF FILTER

*IF Is this a proxy respondent? <> Yes [IAskPx <> Yes]*

**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

**HESLFCR**

Some people with diabetes receive training to help manage their diabetes themselves. Have you ever participated in a course or class about diabetes, or received special training on how you can live with your diabetes from day-to-day?

INTERVIEWER: Press F9 for examples of training.

1 Yes

2 No

*IF whether ever had diabetes management training = Yes [Heslfc  
= 1]*

**HESLFCM**

When was the most recent time that you participated in a diabetes self-management course or class or received special training on how you can manage your diabetes?

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

*IF month had diabetes management training = RESPONSE*  
*[Heslfcy = RESPONSE]*

**HESLFCY**

(When was the most recent time that you participated in a diabetes self-management course or class or received special training on how you can manage your diabetes?)

INTERVIEWER: Enter the year here.  
 Range: 0..9997

END OF FILTER

END OF FILTER

**HESLFCB**

SHOW CARD C5

How much do you think you know about managing your diabetes?

- 1 Just about everything you need to know
- 2 Most of what you need to know
- 3 Some of what you need to know
- 4 A little of what you need to know
- 5 Almost none of what you need to know

END OF FILTER

END OF FILTER

*IF types of CVD conditions <> RESPONSE) AND (CVD8 = HeDiaa)*  
*[IFFW[PNum].HeDiaa <> RESPONSE AND CVD8 = HeDiaa]*

**HEAGE**

Approximately how old when first told by a doctor that had a stroke?

```

| | | | | INTERVIEWER: Enter age in years.
| | | | | Range: 0..110
| | | | |
| | | | | ELSE
| | | | |
| | | | | IF ((CVD8 = HeDiaa) AND types of CVD conditions = RESPONSE))
| | | | | AND NOT (CVD8 = IFFW[PNum].HeDiaa) [CVD8 = HeDiaa AND
| | | | | IFFW[PNum].HeDiaa = RESPONSE AND NOT 8 =
| | | | | IFFW[PNum].HeDiaa]
| | | | |
| | | | | HEAGER
| | | | |
| | | | | When told by a doctor that 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
| | | | |
| | | | | IF (HeAgeR = DONTKNOW) OR (HeAgeRY = DONTKNOW)
| | | | | [HeAgeR = DONTKNOW OR HeAgeRY = DONTKNOW]
| | | | |
| | | | | HEAGE
| | | | |
| | | | | Approximately how old when first told by a doctor that had a
| | | | | stroke?
| | | | |
| | | | | INTERVIEWER: Enter age in years.
| | | | | Range: 0..110
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | IF (CVD8 = HeDiaa) OR (((CVD8 = IFFW[PNum].HeDiaa) AND
| | | | | (QHeDiaa.HeDiaN <> Never)) AND (QHeDiaa.HeDiaN <> MisDiag)) AND

```

| | | | | (IAskPx <> Yes)) [CVD8 = HeDiaa OR 8 = IFFW[PNum].HeDiaa AND  
| | | | | QHeDiaa.HeDiaN <> 1 AND QHeDiaa.HeDiaN <> 4 AND IAskPx <>  
| | | | | Yes]

| | | | | **HENMST**

| | | | | How many strokes, if any, had in the last 2 years according to a doctor?

- | | | | | 0 None
- | | | | | 1 1
- | | | | | 2 2
- | | | | | 3 3 or more

| | | | | END OF FILTER

| | | | | IF (CVD8 = HeDiaa) OR (((CVD8 = IFFW[PNum].HeDiaa) AND  
| | | | | (QHeDiaa.HeDiaN <> Never)) AND (QHeDiaa.HeDiaN <> MisDiag)) AND  
| | | | | (IAskPx <> Yes)) [CVD8 = HeDiaa OR 8 = IFFW[PNum].HeDiaa AND  
| | | | | QHeDiaa.HeDiaN <> 1 AND QHeDiaa.HeDiaN <> 4 AND IAskPx <>  
| | | | | Yes]

| | | | | IF (IAskPx <> Yes) AND (Hehibpb <> RESPONSE) [IAskPx <> Yes  
| | | | | AND 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

| | | | | IF (HeHiBpb1 = Yes) AND (HeMDa <> RESPONSE) [HeHiBpb1 = 1  
| | | | | AND HeMDa <> RESPONSE]

| | | | | **HEMDA1**

| | | | | currently taking any medication, tablets or pills for high blood  
| | | | | pressure?

- | | | | | 1 Yes
- | | | | | 2 No

| | | | | END OF FILTER

| | | | | END OF FILTER

| | | | | **HEPBS**

| | | | | have any remaining problems because of stroke(s)?

- | | | | | 1 Yes
- | | | | | 2 No

| | | | | IF whether any remaining problems because of stroke = Yes [HePBS =  
| | | | | 1]

**HEWKS**

have weakness in arms and legs, or decreased ability to move or use them?

- 1 Yes
- 2 No

**HESPK**

( have) any difficulty speaking or swallowing?

- 1 Yes
- 2 No

**HEVSI**

( have) any difficulty with vision?

- 1 Yes
- 2 No

**HETHK**

( have) any difficulty in thinking or finding the right words to say?

- 1 Yes
- 2 No

END OF FILTER

END OF FILTER

*IF ((((((CVD2 = HeDiaa) OR (CVD3 = HeDiaa)) OR (CVD7 = HeDiaa)) OR (CVD8 = HeDiaa)) OR (((CVD2 = IFFW[PNum].HeDiaa) AND (QHeDiaa.HeDiaN <> Never)) AND (QHeDiaa.HeDiaN <> MisDiag)) AND (IAskPx <> Yes))) OR (((CVD3 = IFFW[PNum].HeDiaa) AND (QHeDiaa.HeDiaN <> Never)) AND (QHeDiaa.HeDiaN <> MisDiag)) AND (IAskPx <> Yes))) OR (((CVD7 = IFFW[PNum].HeDiaa) AND (QHeDiaa.HeDiaN <> Never)) AND (QHeDiaa.HeDiaN <> MisDiag)) AND (IAskPx <> Yes))) OR (((CVD8 = IFFW[PNum].HeDiaa) AND (QHeDiaa.HeDiaN <> Never)) AND (QHeDiaa.HeDiaN <> MisDiag)) AND (IAskPx <> Yes)) [CVD2 = HeDiaa OR 3 = HeDiaa OR 7 = HeDiaa OR 8 = HeDiaa OR 2 = IFFW[PNum].HeDiaa AND QHeDiaa.HeDiaN <> 1 AND QHeDiaa.HeDiaN <> 4 AND IAskPx <> Yes OR CVD3 = IFFW[PNum].HeDiaa AND QHeDiaa.HeDiaN <> 1 AND QHeDiaa.HeDiaN <> 4 AND IAskPx <> Yes OR CVD7 = IFFW[PNum].HeDiaa AND QHeDiaa.HeDiaN <> 1 AND QHeDiaa.HeDiaN <> 4 AND IAskPx <> Yes OR CVD8 = IFFW[PNum].HeDiaa AND QHeDiaa.HeDiaN <> 1 AND QHeDiaa.HeDiaN <> 4 AND IAskPx <> Yes]*

**HEHRTMD**

currently taking any medication to thin the blood such as Warfarin, Plavix, Ticlid, or other blood-thinning medication?

| | | | | INTERVIEWER: Please include aspirin if it is taken as a medication to thin the blood.

- | | | | | 1 Yes
- | | | | | 2 No

| | | | | END OF FILTER

| | | | | IF (CVD9 = HeDiaa) OR (QHeDiaa.HeDiaS = Yes) [CVD9 = HeDiaa OR  
/ / / / / QHeDiaa.HeDiaS = 1]

| | | | | **HECHMD**

| | | | | currently taking any medication to lower cholesterol level?

- | | | | | 1 Yes
- | | | | | 2 No

| | | | | ELSE

| | | | | IF (((QHeDiaa.HeDiaN = NoLong) OR (QHeDiaa.HeDiaS = No)) OR  
/ / / / / @/Can I just check, ^areis[pn = Yes]) AND (IAskPx <> Yes)  
/ / / / / [QHeDiaa.HeDiaN = 2 OR QHeDiaa.HeDiaS = 2 OR  
/ / / / / IFFW[PNum].HeChMe = 1 AND IAskPx <> 1]

| | | | | **HECHME**

| | | | | Can I just check, taking medication which prevents you from getting high cholesterol any more?

- | | | | | 1 Yes
- | | | | | 2 No

| | | | | END OF FILTER

| | | | | END OF FILTER

| | | | | END OF FILTER

| | | | | END OF FILTER

| | | | | LOOP FOR Perno:= 1 TO 2

| | | | | IF QInd.Session = Yes [Session = Yes]

| | | | | IF SHOW CARD C6 @/^Has a doctor^e = RESPONSE) AND NOT  
/ / / / / (None = IFFW[PNum].HeDiab)) AND (IAskPx <> Yes)  
/ / / / / [IFFW[PNum].HeDiab = RESPONSE AND NOT None =  
/ / / / / IFFW[PNum].HeDiab AND IAskPx <> Yes]

| | | | | LOOP FOR Idx:= 1 TO 10

| | | | | IF (Idx = IFFW[PNum].HeDiab) OR ((Idx = 10) AND  
/ / / / / @/^DoDoes[pnum] ^youname[pnum] = [Leukaemia, Lymphoma]))  
/ / / / / [Idx = IFFW[PNum].HeDiab OR Idx = 10 AND IFFW[PNum].HeLeuk =  
/ / / / / Leukaemia, Lymphoma]

| | | | | **HEDIAD**



2 No  
END OF FILTER  
END OF FILTER  
END OF FILTER  
END OF FILTER

**HEDIAB**  
SHOW CARD C6

a doctor told that  
(or had) any of the conditions on this card?

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

- 01 ^XCon[1]
- 02 ^XCon[2]
- 03 ^XCon[3]
- 04 ^XCon[4]
- 05 ^XCon[5]
- 06 ^XCon[6]
- 07 Any emotional, nervous or psychiatric problems
- 08 ^XCon[8]
- 09 ^XCon[9]
- 10 ^XCon[10]
- 96 None of these

**[code maximum 10 out of 11 possible responses]**

IF ((ChrLung = IFFW[PNum].HeDiab) AND (QHeDiab.HeDiDS = Yes))  
OR (ChrLung = HeDiab) [ChrLung = IFFW[PNum].HeDiab AND  
QHeDiab.HeDiDS = 1 OR ChrLung = HeDiab]

**HELNG**

taking medication or other treatment for lung condition?  
1 Yes  
2 No

END OF FILTER

IF (((QHeDiab.HeDiaM = NoLong) OR (QHeDiab.HeDiDS = No)) OR  
@/Can I just check, ^areisl[pn = Yes) AND (IAskPx <> Yes))) AND (HeLng  
<> RESPONSE) [QHeDiab.HeDiaM = 2 OR QHeDiab.HeDiDS = 2 OR  
IFFW[PNum].HeLngB = 1 AND IAskPx <> 1 AND HeLng <>  
RESPONSE]

**HELNGB**

Can I just check, taking medication which prevents from getting  
chronic lung disease, such as chronic bronchitis or emphysema, any  
more?  
1 Yes

2 No

END OF FILTER

*IF ((Asthma = IFFW[PNum].HeDiab) AND (QHeDiab.HeDiDS = Yes))  
OR (Asthma = HeDiab) [Asthma = IFFW[PNum].HeDiab AND  
QHeDiab.HeDiDS = 1 OR Asthma = HeDiab]*

**HEAMA**

taking medication or other treatment for asthma?

1 Yes

2 No

END OF FILTER

*IF ((QHeDiab.HeDiaM = NoLong) AND (QHeDiab.HeDiaMX = No))  
OR (QHeDiab.HeDiDS = No) [QHeDiab.HeDiaM = 2 AND  
QHeDiab.HeDiaMX = 2 OR QHeDiab.HeDiDS = 2]*

**HEAMB**

Can I just check, taking medication which prevents from getting  
asthma any more?

1 Yes

2 No

END OF FILTER

*IF (Arthrit = HeDiab) OR (((Arthrit = IFFW[PNum].HeDiab) AND  
(QHeDiab.HeDiaM <> Never)) AND (QHeDiab.HeDiaM <> MisDiag))  
AND (IAskPx <> Yes)) [Arthrit = HeDiab OR 3 = IFFW[PNum].HeDiab  
AND QHeDiab.HeDiaM <> 1 AND QHeDiab.HeDiaM <> 4 AND IAskPx  
<> Yes]*

**HEART**

May I check, which type or types of arthritis 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]**

*IF SHOW CARD C6 @/^Has a doctor^e <> RESPONSE) AND  
(Arthrit = HeDiab) [IFFW[PNum].HeDiab <> RESPONSE AND Arthrit =  
HeDiab]*

**HEAGF**

Approximately how old when first told by a doctor that had  
arthritis?

INTERVIEWER: Enter age in years.  
Range: 0..110

ELSE

*IF ((Arthrit = HeDiab) AND SHOW CARD C6 @/^Has a doctor^e  
= RESPONSE)) AND NOT (Arthrit = IFFW[PNum].HeDiab) [Arthrit =  
HeDiab AND IFFW[PNum].HeDiab = RESPONSE AND NOT 3 =  
IFFW[PNum].HeDiab]*

**HEAGFR**

When told by a doctor that 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

*IF (HeAgfR = DONTKNOW) OR (HeAgfRY = DONTKNOW)  
[HeAgfR = DONTKNOW OR HeAgfRY = DONTKNOW]*

**HEAGF**

Approximately how old when first told by a doctor that had  
arthritis?

INTERVIEWER: Enter age in years.  
Range: 0..110

END OF FILTER

END OF FILTER

END OF FILTER

END OF FILTER

| | | | | IF (IAskPx <> Yes) AND (Osteo = HeArt) [IAskPx <> Yes AND Osteo =  
| | | | | HeArt]

| | | | | **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 @/(Has any doctor or nurse eve = 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

| | | | | IF Arthrit = SHOW CARD C6 @/^Has a doctor^e [Arthrit =  
| | | | | HeDiab]

| | | | | **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

| | | | | END OF FILTER

| | | | | IF (MaIBlood = HeDiab) OR @/^DoDoes[pnum] ^youname[pnum] <>  
| | | | | RESPONSE) AND (QHeDiab.HeDiaD = Yes) AND (IAskPx <> Yes))  
| | | | | [MaIBlood = HeDiab OR IFFW[PNum].HeLeuk <> RESPONSE AND  
| | | | | QHeDiab.HeDiaD = 1 AND IAskPx <> 1]

**HELEUK**

have one of the following blood disorders...

INTERVIEWER: Read out...

- 1 ...leukaemia,
- 2 ...lymphoma,
- 3 or some other blood disorder?

END OF FILTER

*IF SHOW CARD C6 @/^Has a doctor^e <> RESPONSE) AND (Cancer = HeDiab) [IFFW[PNum].HeDiab <> RESPONSE AND Cancer = HeDiab]*

**HEAGG**

Approximately how old when first told by a doctor that had cancer or a malignant tumour?

INTERVIEWER: Enter age in years.

Range: 0..110

ELSE

*IF SHOW CARD C6 @/^Has a doctor^e = RESPONSE) AND NOT (Cancer = IFFW[PNum].HeDiab)) AND (Cancer = HeDiab) [IFFW[PNum].HeDiab = RESPONSE AND NOT Cancer = IFFW[PNum].HeDiab AND Cancer = HeDiab]*

**HEAGGR**

When told by a doctor that 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.



11 November  
12 December

**HEAGKRY**

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

*IF (HeAgKR = DONTKNOW) OR (HeAgKRY = DONTKNOW)*  
*[HeAgKR = DONTKNOW OR HeAgKRY = DONTKNOW]*

**HEAGK**

Approximately how old when first told by a doctor that had  
leukaemia or lymphoma?

INTERVIEWER: Enter age in years.  
Range: 0..110

END OF FILTER

END OF FILTER

END OF FILTER

*IF Cancer = SHOW CARD C6 @/Has a doctor^e [Cancer =*  
*HeDiab]*

**HECANAA**

SHOW CARD C7

In which part of body did the cancer/cancers/malignant tumours start?

INTERVIEWER: Code one only.

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

END OF FILTER

*IF (Cancer = HeDiab) OR (((Cancer = IFFW[PNum].HeDiab) AND*  
*(QHeDiab.HeDiaM <> Never)) AND (QHeDiab.HeDiaM <> MisDiag))*  
*AND (IAskPx <> Yes)) [Cancer = HeDiab OR 5 = IFFW[PNum].HeDiab*  
*AND QHeDiab.HeDiaM <> 1 AND QHeDiab.HeDiaM <> 4 AND IAskPx*  
*<> Yes]*

**HECANB**

During the last two years, received any treatment for cancer?

1 Yes

2 No

END OF FILTER

*IF (HeLeuk = [Leukaemia, Lymphoma]) OR @/^DoDoes[pnum]  
^youname[pnum] = [Leukaemia, Lymphoma]) AND (QHeDiab.HeDiaM <>  
NoLong)) AND (QHeDiab.HeDiaM <> MisDiag)) AND (IAskPx <> Yes))  
[HeLeuk = 1, 2 OR IFFW[PNum].HeLeuk = 1, 2 AND QHeDiab.HeDiaM <>  
2 AND QHeDiab.HeDiaM <> 4 AND IAskPx <> Yes]*

**HECANBB**

During the last two years, received any treatment for leukaemia or lymphoma?

1 Yes

2 No

END OF FILTER

*IF SHOW CARD C6 @/^Has a doctor^e <> RESPONSE) AND (Parkin  
= HeDiab) [IFFW[PNum].HeDiab <> RESPONSE AND Parkin =  
HeDiab]*

**HEPRK**

Approximately how old when first told by a doctor that had Parkinson's disease?

INTERVIEWER: Enter age in years.  
Range: 0..110

ELSE

*IF ((Parkin = HeDiab) AND SHOW CARD C6 @/^Has a doctor^e =  
RESPONSE)) AND NOT (Parkin = IFFW[PNum].HeDiab) [Parkin =  
HeDiab AND IFFW[PNum].HeDiab = RESPONSE AND NOT 6 =  
IFFW[PNum].HeDiab]*

**HEPRKR**

When told by a doctor that 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

*IF (HePrkR = DONTKNOW) OR (HePrkRY = DONTKNOW)  
[HePrkR = DONTKNOW OR HePrkRY = DONTKNOW]*

**HEPRK**

Approximately how old when first told by a doctor that had  
Parkinson's disease?

INTERVIEWER: Enter age in years.  
Range: 0..110

END OF FILTER

END OF FILTER

END OF FILTER

*IF SHOW CARD C6 @/^Has a doctor^e <> RESPONSE) AND (Psych =  
HeDiab) [IFFW[PNum].HeDiab <> RESPONSE AND Psych = HeDiab]*

**HEAGH**

Approximately how old when first told by a doctor that had  
emotional, nervous or psychiatric problems?

INTERVIEWER: Enter age in years.  
Range: 0..110

END OF FILTER

*IF ((Psych = HeDiab) AND SHOW CARD C6 @/^Has a doctor^e =  
RESPONSE)) AND NOT (Psych = IFFW[PNum].HeDiab) [Psych = HeDiab  
AND IFFW[PNum].HeDiab = RESPONSE AND NOT 7 =  
IFFW[PNum].HeDiab]*

**HEAGHR**

When told by a doctor that 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

END OF FILTER

*IF (Psych = HeDiab) OR (((Psych = IFFW[PNum].HeDiab) AND  
 (QHeDiab.HeDiaM <> Never)) AND (QHeDiab.HeDiaM <> MisDiag))  
 AND (IAskPx <> Yes)) [Psych = HeDiab OR 7 = IFFW[PNum].HeDiab AND  
 QHeDiab.HeDiaM <> 1 AND QHeDiab.HeDiaM <> 4 AND IAskPx <>  
 Yes]*

**HEPSY**

SHOW CARD C8

What type of emotional, nervous or psychiatric problems (/did) 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

***[code maximum 9 out of 9 possible responses]***

**HEYRC**

During the last two years 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 suggest 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 [HePsy <> 4]*

**HEPSYB**

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

- 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 SHOW CARD C6 @/^Has a doctor^e <> RESPONSE) AND (Alzheim = HeDiab) [IFFW[PNum].HeDiab <> RESPONSE AND Alzheim = HeDiab]*

**HEAGI**

Approximately how old when first told by a doctor that had Alzheimer's Disease?

INTERVIEWER: Enter age in years.  
Range: 0..110

ELSE

*IF ((Alzheim = HeDiab) AND SHOW CARD C6 @/^Has a doctor^e  
= RESPONSE)) AND NOT (Alzheim = IFFW[PNum].HeDiab) [Alzheim =  
HeDiab AND IFFW[PNum].HeDiab = RESPONSE AND NOT 8 =  
IFFW[PNum].HeDiab]*

**HEAGIR**

When told by a doctor that 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

*IF (HeAgiR = DONTKNOW) OR (HeAgiRY = DONTKNOW)  
[HeAgiR = DONTKNOW OR HeAgiRY = DONTKNOW]*

**HEAGI**

Approximately how old when first told by a doctor that had  
Alzheimer's Disease?

INTERVIEWER: Enter age in years.  
Range: 0..110

END OF FILTER

END OF FILTER

END OF FILTER

*IF SHOW CARD C6 @/^Has a doctor^e <> RESPONSE) AND (CogImp*

| | | | = HeDiab) [IFFW[PNum].HeDiab <> RESPONSE AND CogImp =  
| | | | HeDiab]

| | | | | **HEAGJ**

| | | | | Approximately how old when first told by a doctor that had  
| | | | | dementia, senility or any other serious memory impairment?

| | | | | INTERVIEWER: Enter age in years.  
| | | | | Range: 0..110

| | | | | ELSE

| | | | | IF ((CogImp = HeDiab) AND SHOW CARD C6 @/^Has a doctor^e =  
| | | | | RESPONSE)) AND NOT (CogImp = IFFW[PNum].HeDiab) [CogImp =  
| | | | | HeDiab AND IFFW[PNum].HeDiab = RESPONSE AND NOT 9 =  
| | | | | IFFW[PNum].HeDiab]

| | | | | **HEAGJR**

| | | | | When told by a doctor that 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

| | | | | IF (HeAgjR = DONTKNOW) OR (HeAgjRY = DONTKNOW)  
| | | | | [HeAgjR = DONTKNOW OR HeAgjRY = DONTKNOW]

| | | | | **HEAGJ**

| | | | | Approximately how old when first told by a doctor that had  
| | | | | dementia, senility or any other serious memory impairment?

```
| | | | |
| | | | | INTERVIEWER: Enter age in years.
| | | | | Range: 0..110
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | END OF FILTER
| | | | |
| | | | | LOOP FOR Perno:= 1 TO 2
| | | | |
| | | | | IF QInd.Session = Yes [Session = Yes]
| | | | |
| | | | | IF (IAskPx <> Yes) AND (IAgeOf >= 60) [IAskPx <> Yes AND IAgeOf
| | | | | >= 60]
```