

## Health Module

### HeTimA @

Time at start of **general health** section (set by Hegenh/Hehelf/HeIll)  
TIME

*IF randomisation allocates first general health option: HERan = 1*

#### Hegenh

How is your health in general? Would you say it was ...READ OUT...

- 1 Very good,
- 2 good,
- 3 fair,
- 4 bad,
- 5 or, very bad?

*ELSE*

#### Hehelf

Would you say your health is ...READ OUT...

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

*ENDIF*

### 限制活动 Heill\*

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

- 1 Yes
- 2 No

*IF has a long-standing illness: Heill = 1*

#### Helim\*

(Does this / Do these) illness(es) or disability(ies) limit your activities in any way?

- 1 Yes
- 2 No

*ENDIF*

### HeFInt @

The next questions ask about difficulties you may have walking a quarter of a mile because of a health problem. By health problem we mean any long-term physical, mental or emotional problem or illness.  
ENTER 1 AND CONTINUE

#### HeFunc

By yourself and without using any special equipment, how much difficulty do you have walking for a quarter of a mile? Do you have ...READ OUT...

- 1 no difficulty,

- 2 some difficulty,
- 3 much difficulty?
- 4 or, are you unable to do this?

*IF reports some or much difficulty walking quarter of a mile or unable to walk quarter of a mile: HeFunc = 2, 3 or 4*

IF spontaneously reports unable to walk quarter of a mile: HeFunc = 4, ^difftxt = prevent you from AND ^difftxt1 = prevents you from walking.

ELSE, ^difftxt = cause you to have difficulty AND ^difftxt1 = makes it difficult for you to walk

**HeAtt @**

SHOW CARD D

What are the symptoms that ^difftxt walking a quarter of a mile?

INTERVIEWER PROBE : What others?

CODE ALL THAT APPLY

- 1 Chest pain
- 2 Fatigue/too tired
- 3 Shortness of breath
- 4 Tremor(s)
- 5 Pain in leg or foot
- 6 Swelling in leg or foot
- 7 Incontinence or fear of incontinence
- 8 Seeing difficulty
- 9 Hearing difficulty
- 10 Confusion
- 11 Difficulty concentrating
- 12 Memory problems
- 13 Unsteady on feet or balance problems
- 14 Lightheaded or dizziness
- 15 Fear of falling
- 16 Anxiety or fear
- 95 Some other problem or symptom

**[Multiple responses to HeAtt are recorded in variables heatt01 to heatt17]**

*IF reports more than one symptom causing difficulty or preventing from walking a quarter of a mile: HeAtt > 1*

**HeAta**

SHOW CARD D

And which of these is the main symptom that ^difftxt1 a quarter of a mile?

- 1 Chest pain
- 2 Fatigue/too tired
- 3 Shortness of breath
- 4 Tremor(s)
- 5 Pain in leg or foot
- 6 Swelling in leg or foot
- 7 Incontinence or fear of incontinence
- 8 Seeing difficulty
- 9 Hearing difficulty
- 10 Confusion

- 11 Difficulty concentrating
- 12 Memory problems
- 13 Unsteady on feet or balance problems
- 14 Lightheaded or dizziness
- 15 Fear of falling
- 16 Anxiety or fear
- 95 Some other problem or symptom

CHECK: IF response at HeAta did not appear at HeAtt INTERVIEWER:  
This reason wasn't given at HeATT. Please change!

ENDIF

ENDIF

NEW BLOCK

**HeTimB @**

Time at start of eyesight and hearing section (set by Heeye)  
TIME

**Heeye\***

Is your **eyesight** (using glasses or corrective lens as usual) ...READ  
OUT...

- 1 excellent,
- 2 very good,
- 3 good,
- 4 fair,
- 5 or, poor?
- 6 SPONTANEOUS registered or legally blind

*IF not registered or legally blind: Heeye = 1, 2, 3, 4 or 5*

**Hefrnd**

How good is your eyesight for seeing things at a distance, like  
recognising a friend across the street (using glasses or corrective  
lens as usual)? Would you say it is ...READ OUT...

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

**Hepap**

How good is your eyesight for seeing things up close, like reading  
ordinary newspaper print (using glasses or corrective lens as  
usual)? Would you say it is ...READ OUT...

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

ENDIF

**Heopt\* @**

Has a doctor or optician ever told you that you have (or have had)  
...READ OUT EACH IN TURN AND CODE ALL THAT APPLY...

INCLUDE DIABETIC RETINOPATHY IN CODE 2  
INCLUDE AGE RELATED MACULOPATHY IN CODE 3

- 1 Glaucoma or suspected glaucoma?
- 2 diabetic eye disease?
- 3 macular degeneration?
- 4 cataracts?
- 96 None of these [Exclusive code]

[Multiple responses to Heopt are recorded in variables Heopt1 to Heopt5]

*IF has ever been told has cataracts: Heopt = 4*

**Hecat\***

Have you ever had cataract surgery?

- 1 Yes
- 2 No

*ENDIF*

**Hehear\***

Is your hearing (using a hearing aid as usual) ...READ OUT...

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

**HeHra**

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

- 1 Yes
- 2 No

NEW BLOCK

**HeTimC @**

Time at start of CVD section (set by HeDiaa)

TIME

**HeDiaa\* @**

SHOW CARD E

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

PROBE : What others?

CODE ALL THAT APPLY

- 1 High blood pressure or hypertension
- 2 Angina
- 3 A heart attack (including myocardial infarction or coronary thrombosis)
- 4 Congestive heart failure
- 5 A heart murmur
- 6 An abnormal heart rhythm

7 Diabetes or high blood sugar  
8 A stroke (cerebral vascular disease)  
95 Any other heart trouble (SPECIFY)  
96 None of these [Exclusive code]

[Multiple responses to HeDiaa are recorded in variables hedia01 to hedia10].

*IF has or has had any other heart trouble: HeDiaa = 95*

**HEDiX\*** @

INTERVIEWER: ENTER NAME OF OTHER HEART CONDITION

Text: up to 30 characters

[Open responses to HEDiX are coded and merged with the multiple responses to HeDiaa (recorded in Hedia01 to Hedia10). These merged responses are recorded in variables Hedim01 to Hedim07]

ENDIF

*IF has or has had high blood pressure: HeDiaa = 1*

**Hemda\***

Are you currently taking any medicines, tablets or pills for high blood pressure?

1 Yes

2 No

ENDIF

*IF has ever had angina diagnoses and angina not reported at HSE or age of diagnosis as reported at HSE not between 35 and 120:*

*HSE.Ageangi NOT IN [35..120] AND HeDiaa = 2*

**HeAga\***

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

ENTER AGE IN YEARS

Range: 0..110

CHECK: IF respondent's age is less than reported age of angina diagnosis: HeAga <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!

CHECK: IF reported age of angina diagnoses less than 35: HeAga < 35, INTERVIEWER: This seems young ^reported age of angina diagnoses, can I check?

ENDIF

*IF has ever had angina diagnosis: HeDiaa = 2*

**HeYRa**

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

1 Yes

| 2 No  
|  
ENDIF

*IF has ever had heart attack diagnoses and age of diagnosis as reported at HSE not between 35 and 120: HSE.AgeHart NOT IN [35..120] AND HeDiaa = 3*

| **HeAgb\***  
| Approximately how old were you when you were first told by a doctor that you had a heart attack (including myocardial infarction or coronary thrombosis)?  
| ENTER AGE IN YEARS  
| Range: 0..110  
  
| CHECK: IF respondent's age is less than reported age of heart attack diagnosis: HeAgb <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!  
  
| CHECK: IF reported age of heart attack diagnoses less than 35: HeAgb < 35, INTERVIEWER: This seems young ^reported age of heart attack diagnoses, can I check?  
|  
ENDIF

*IF has ever had heart attack diagnosis: HeDiaa = 3*

| **HeYRb\***  
| In the past two years, have you had a heart attack or myocardial infarction?  
| 1 Yes  
| 2 No  
|  
ENDIF

*IF has ever had congestive heart failure diagnosis: HeDiaa = 4*

| **HeAgc\***  
| Approximately how old were you when you were first told by a doctor that you had congestive heart failure?  
| ENTER AGE IN YEARS  
| Range: 0..110  
  
| CHECK: IF respondent's age is less than reported age of congestive heart failure diagnosis: HeAgc <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!  
  
| CHECK: IF reported age of congestive heart failure diagnoses less than 35: HeAgc < 35, INTERVIEWER: This seems young ^reported age of congestive heart failure diagnoses, can I check?  
|  
ENDIF

*IF has ever had diabetes diagnoses and age of diagnosis not given at HSE: HSE.Agedi <> RESPONSE AND HeDiaa = 7*

**HeAgd\***

Approximately how old were you when you were first told by a doctor that you had a diabetes or high blood sugar?

ENTER AGE IN YEARS

Range: 0..110

CHECK: IF respondent's age is less than reported age of heart attack diagnosis: HeAgb <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!

ENDIF

*IF has ever had diabetes diagnosis: HeDiaa = 7*

**HeIns\***

Do you currently inject insulin for diabetes?

1 Yes

2 No

**HeMdb\***

Are you currently taking any tablets, pills or other medicines that you swallow for diabetes?

1 Yes

2 No

ENDIF

*IF has ever had a stroke diagnosed and age of diagnosis as reported at HSE not between 35 and 120: HSE.Agestro NOT IN [35..120] AND HeDiaa = 8*

**HeAge\***

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

ENTER AGE IN YEARS

Range: 0..110

CHECK: IF respondent's age is less than reported age of stroke diagnosis: HeAge <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!

CHECK: IF reported age of stroke diagnoses less than 35: HeAge < 35, INTERVIEWER: This seems young ^reported age of stroke diagnoses, can Icheck?

ENDIF

*IF has ever had stroke diagnosis: HeDiaa = 8*

**HePbs\***

Do you have any remaining problems because of your stroke(s)?

1 Yes

2 No

*IF has remaining problems because of a stroke: HePbs = 1*

**HeWks\***

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

- 1 Yes
- 2 No

**HeSpk\***

Do you have any difficulty speaking or swallowing?

- 1 Yes
- 2 No

**HeVsi\***

Do you have any difficulty with your vision?

- 1 Yes
- 2 No

**HeThk\***

Do you have any difficulty in thinking or finding the right words to say?

- 1 Yes
- 2 No

ENDIF

ENDIF

NEW BLOCK

**HeTimD @**

Time at start of chronic illness section (set by HeDiab)  
TIME

**HeDiab\* @**

SHOW CARD F

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

PROBE : What others?

CODE ALL THAT APPLY

- 1 Chronic lung disease such as chronic bronchitis or emphysema
- 2 Asthma
- 3 Arthritis (including osteoarthritis , or rheumatism)
- 4 Osteoporosis, sometimes called thin or brittle bones
- 5 Cancer or a malignant tumour (excluding minor skin cancers)
- 6 Parkinson's disease
- 7 Any emotional, nervous or psychiatric problems
- 8 Alzheimer's disease
- 9 Dementia, organic brain syndrome, senility or any other serious memory impairment
- 96 None of these [Exclusive code]

[Multiple responses to HeDiab are recorded in variables hedib01 to hedib10.]

IF has ever had a chronic lung disease diagnosis: HeDiab = 1

**HeLng\***

```
| Are you taking medication or other treatment for your lung  
| condition?  
| 1 Yes  
| 2 No  
|  
ENDIF
```

```
IF has ever had an asthma diagnosis: HeDiab = 2
```

```
| HeAma*  
| Are you taking medication or other treatment for your asthma?  
| 1 Yes  
| 2 No  
|  
ENDIF
```

```
IF has ever had an arthritis diagnosis: HeDiab = 3
```

```
| HeArt* @  
| Which type or types of arthritis do you have ...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 recorded in variables  
| heart1 to heart3]  
|  
| HeAgf*  
| Approximately how old were you when you were first told by a doctor  
| that you had arthritis?  
| ENTER AGE IN YEARS  
| Range: 0..110  
|  
| CHECK: IF respondent's age is less than reported age of arthritis  
| diagnosis: HeAgf <= IageOf, INTERVIEWER: ^respondent's name is only  
| ^respondent's age now! Please change!  
|  
ENDIF
```

```
IF has ever had a cancer diagnosis: HeDiab = 5
```

```
| HeAgg*  
| Approximately how old were you when you were first told by a doctor  
| that | you had cancer or a malignant tumour?  
| ENTER AGE IN YEARS  
| Range: 0..110  
|  
| CHECK: IF respondent's age is less than reported age of cancer  
| diagnosis: HeAgg <= IageOf, INTERVIEWER: ^respondent's name is only  
| ^respondent's age now! Please change!  
|  
| CHECK: IF reported age of cancer diagnoses less than 35: HeAgg <35,  
| INTERVIEWER: This seems young ^reported age of cancer diagnoses, can  
| I check?
```

**HeCana\***

SHOW CARD G

In which organ or part of your body did your cancer/cancers/malignant tumour) start?

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

**HeCanb\***

During the last two years have you received any treatment for your cancer?

- 1 Yes
- 2 No

ENDIF

*IF has ever had a Parkinson's diagnosis: HeDiab = 6*

**HePrk\***

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

INTERVIEWER: ENTER AGE IN YEARS

Range: 0..110

CHECK: IF respondent's age is less than reported age of Parkinson's diagnosis: HePrk <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!

CHECK: IF reported age of Parkinson's diagnoses less than 50: HePrk < 50, INTERVIEWER: This seems young ^reported age of Parkinson's diagnoses, can I check?

ENDIF

*IF has ever had psychiatric problems diagnosed: HeDiab = 7*

**HeAgh\***

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

ENTER AGE IN YEARS

Range: 0..110

CHECK: IF respondent's age is less than reported age of psychiatric diagnosis: HeAgh <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!

**HePsy\* @**

SHOW CARD H

What type of emotional, nervous or psychiatric problems do/did you have? PROBE : What others?

CODE ALL THAT APPLY  
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 recorded in variables hepsy1 to hepsy9]

**HeYrc\***

During the last two years have you had emotional, nervous or psychiatric problems?

1 Yes  
2 No

ENDIF

*IF has ever had an Alzheimer's diagnosis: HeDiab = 8*

**HeAgi\***

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

ENTER AGE IN YEARS

Range: 0..110

CHECK: IF respondent's age is less than reported age of Parkinson's diagnosis: HeAgi <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!

CHECK: IF reported age of Alzheimer's diagnoses less than 50: HeAgi < 50, INTERVIEWER: This seems young ^reported age of Alzheimer's diagnoses, can I check?

ENDIF

*IF has ever had a dementia diagnosis: HeDiab = 9*

**HeAgj\***

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

ENTER AGE IN YEARS

Range: 0..110

CHECK: IF respondent's age is less than reported age of dementia diagnosis: HeAgj <= IageOf, INTERVIEWER: ^respondent's name is only ^respondent's age now! Please change!

CHECK: IF reported age of dementia diagnoses less than 50: HeAgj < 50, INTERVIEWER: This seems young ^reported age of dementia diagnoses, can I check?

|  
ENDIF

NEW BLOCK

**HeTimD1 @**

Time at start of **fallen section** (set by HeFla)  
TIME

*IF respondent is 60 or older: AgeOf >= 60*

| **HeFla**

| Have you fallen down in the last two years (for any reason)?

- | 1 Yes
- | 2 No

| *IF has fallen down in the last two years: HeFla = 1*

| **HeFlb**

| How many times have you fallen down in the last two years?  
| Range: 0..400

| **HeFlc**

| In *^THAT fall/ANY of these falls*, did you injure yourself  
| seriously enough to need medical treatment?

- | 1 Yes
- | 2 No

| ENDIF

| **HeFrac**

| Have you ever fractured your hip?

- | 1 Yes
- | 2 No

| **HeJi\***

| Have you ever had any joint replacements?

- | 1 Yes
- | 2 No

| *IF has had a joint replacement: HeJi = 1*

| **HeJia\* @**

| Which joints did you have replaced?

| PROBE : What others?

| CODE ALL THAT APPLY

- | 1 Hip
- | 2 Both hips
- | 3 Knee
- | 4 Both knees
- | 5 Hips(s) and knee(s)
- | 6 Other joint

| **[Multiple responses to HeJia are recorded in variables  
| hejia1 to hejia6]**

```
| | IF one hip, both hips or hips and knees have been replaced: HeJia
| | = 1, 2 OR 5
| |
| | HeJib*
| | (Was/Were) the hip replacement(s) because of arthritis, a
| | fracture or for some other reason?
| | 1 arthritis
| | 2 fracture
| | 3 both arthritis and a fracture
| | 95 other reason
| |
| | HeJic*
| | Have you had a hip replacement in the last two years?
| | 1 Yes
| | 2 No
| |
| | ENDIF
|
| ENDIF
|
ENDIF
```

NEW BLOCK

**HeTimP @**

Time at start of proxy only section (set by Heiqa)  
TIME

**Heiqa\*\***

SHOW CARD I

Now we want you to remember what *^respondent's name* was like two years ago and to compare it with what *^he/she* is like now. Two years ago was in 2000. I will read out situations where *^respondent's name* has to use *^his/her* memory or intelligence and we want you to indicate whether this has improved, stayed the same or got worse in that situation over the past two years. Note the importance of comparing *^respondent's name's* present performance with two years ago. So if two years ago *^respondent's name* always forgot where *^he/she* had left things, and *^he/she* still does, then this would be considered 'Hasn't changed much'. Please indicate the changes you have observed giving the appropriate answer from the card.

- 1 Press 1 and enter to continue
- 2 Unable to answer - does not know what the person was like two years ago

*IF proxy informant able to answer: Heiqa = 1*

```
| | Heiqb**
| | SHOW CARD I
| | Compared with two years ago, how is ^respondent's name at
| | remembering things about family and friends, like occupations,
| | birthdays or addresses?
| | 1 Much improved
| | 2 A bit improved
| | 3 Not much change
| | 4 A bit worse
```

5 Much worse

**Heiqc\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at remembering things that have happened recently?

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

**Heiqd\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at recalling conversations a few days later?

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

**Heiqe\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at remembering *^his/her* address and telephone number?

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

**Heiqf\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at remembering what day and month it is?

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

**Heiqg\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at remembering where things are usually kept?

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

**Heiqh\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at

remembering where to find things which have been put in a different place from usual?

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

**Heiqi\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at knowing how to work familiar machines around the house?

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

**Heiqj\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at learning to use a new gadget or machine around the house?

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

**Heiqk\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at learning new things in general?

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

**Heiql\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at following a story in a book or on TV?

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

**Heiqm\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at making decisions on everyday matters?

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

5 Much worse

**Heiqn\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at handling money for shopping?

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

**Heiqo\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at handling financial matters, like the pension or dealing with the bank?

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

**Heiqp\*\***

SHOW CARD I

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

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

**Heiqq\*\***

SHOW CARD I

Compared with two years ago, how is *^respondent's name* at using *^his/her* intelligence to understand what's going on and to reason things through?

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

ENDIF

NEW BLOCK

**HeTime @**

Time at start of **pain section** (set by HePain)

TIME

**HePain**

Are you often troubled with pain?

- 1 Yes
- 2 No

*IF often troubled with pain: HePain = 1*

**HePaa**

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

- 1 mild,
- 2 moderate,
- 3 or, severe?

**HePab**

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

- 1 Press 1 and enter to continue
- 2 Can't walk or never walks

*IF can walk: HePab = 1*

**HeBck**

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

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

Range: 0..10

**HeHip**

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

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

Range: 0..10

**HeKne**

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

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

Range: 0..10

**HeFet**

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

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

Range: 0..10

*ENDIF*

**ENDIF**

*IF can walk: HePab <> 2*

**HeBal**

SHOW CARD J

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

- 1 Always
- 2 Very often
- 3 Often

4 Sometimes  
5 Never  
6 SPONTANEOUS Never walks  
7 SPONTANEOUS Can't walk

*IF can walk and does walk: HeBal <> 6 OR 7*

**HeDiz**

SHOW CARD J

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

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

*ENDIF*

*ENDIF*

NEW BLOCK

**HeTimf @**

Time at start of **rose angina section** (set by HeAnInt)

TIME

**HeAnInt @**

I am now going to ask you some questions mainly about symptoms of the chest.

ENTER 1 AND CONTINUE

**HeAna**

Have you ever had any pain or discomfort in your chest?

1 Yes  
2 No

*IF has ever had pain or discomfort in chest: HeAna = 1*

**HeAnb**

Do you get it when you walk uphill or hurry?

1 Yes  
2 No  
3 Sometimes/Occasionally  
4 Never walks uphill or hurries  
5 Cannot walk

*IF gets pain or discomfort in chest when walks uphill or in a hurry sometimes or occasionally: HeAnb = 3*

**HeAnc**

Does this happen on most occasions?

1 Yes  
2 No





*IF does not, or does not know whether, usually bring(s) up phlegm from chest first thing in morning in the winter: HeRpa = 2 OR 3*

**HeRpb**

Do you usually bring up any phlegm from your chest, during the day or at night in the winter?

- 1 Yes
- 2 No

ENDIF

*IF brings up phlegm from chest in the winter at any time of day:  
HeRpa = 1 OR HeRpb = 1*

**HeRpc**

Do you bring up phlegm like this on most days for as much as three months each year?

- 1 Yes
- 2 No

ENDIF

**HeRpd**

Are you troubled by shortness of breath when hurrying on level ground or walking up a slight hill?

- 1 Yes
- 2 No
- 3 Never walks up hill or hurries
- 4 Cannot walk

*IF troubled by shortness of breath when hurrying or walking uphill, or never walks uphill or hurries: HeRpd = 1 OR 3*

**HeRpe**

Do you get short of breath walking with other people of your own age on level ground?

- 1 Yes
- 2 No
- 3 Never walks with people of own age on level ground
- 4 Cannot walk

*IF walks with people of own age: HeRpe = 1 OR 2*

**HeRpf**

Do you have to stop for breath when walking at your own pace on level ground?

- 1 Yes
- 2 No

ENDIF

ENDIF

**HeRpg**

Have you had attacks of wheezing or whistling in your chest at any time in the last 12 months?

- 1 Yes
- 2 No

**HeRph**

Have you at any time in the past 12 months been woken at night by an attack of shortness of breath?

- 1 Yes
- 2 No

**HeRpi**

Have you ever had attacks of shortness of breath with wheezing?

- 1 Yes
- 2 No

*IF has ever had attacks of shortness of breath with wheezing: HeRpi =*

1

**HeRpj**

Is/Was your breathing absolutely normal between attacks?

- 1 Yes
- 2 No

ENDIF

NEW BLOCK

**HeTimH @**

Time at start of **claudication** section (set by HeCda)

TIME

**HeCda**

Do you get pain or discomfort in either of your legs which comes on when you walk?

- 1 Yes
- 2 No
- 3 Cannot walk

*IF gets pain or discomfort in either leg when walks: HeCda = 1*

**HeCdb**

Does this pain ever begin when you are standing still or sitting?

- 1 Yes
- 2 No

**HeCdc**

Do you get it if you walk uphill or hurry?

- 1 Yes
- 2 No
- 3 Never walks uphill or hurries

**HeCdd**

Do you get it when you walk at an ordinary pace on the level?

- 1 Yes
- 2 No
- 3 Never walks at an ordinary pace on the level

**HeCde**

If you stand still does the pain usually ...READ OUT...

- 1 Continue for more than 10 minutes,
- 2 or, disappear in 10 minutes or less?

**HeCdf @**

Where do you get this pain or discomfort? Is it in the ...READ OUT EACH

IN TURN AND CODE ALL THAT APPLY ...

- 1 Calf muscle?
- 2 thigh or buttocks?
- 3 somewhere else?

[Multiple responses to HeCdf are recorded in variables Hecdf1 Hecdf3]

ENDIF

NEW BLOCK

**HeTimI @**

Time at start of ADL section (set by HeAvoid)

TIME

**HeAvoid**

When you go on a trip away from your home like a trip to the shop, restaurant, or visits to friends, how often do you purposely limit the amount of walking you have to do? Is it ...READ OUT...

- 1 never,
- 2 rarely,
- 3 sometimes,
- 4 often,
- 5 or, always?
- 6 SPONTANEOUS Never takes trip away from home

**HeADLa @**

SHOW CARD L

We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you have any difficulty doing each of the everyday activities on this card. Exclude any difficulties that you expect to last less than three months.

Because of a health problem, do you have difficulty doing any of the activities on this card?

PROBE : What others? CODE ALL THAT APPLY

- 1 Walking 100 yards
- 2 Sitting for about two hours
- 3 Getting up from a chair after sitting for long periods
- 4 Climbing several flights of stairs without resting
- 5 Climbing one flight of stairs without resting
- 6 Stooping, kneeling, or crouching
- 7 Reaching or extending your arms above shoulder level
- 8 Pulling or pushing large objects like a living room chair
- 9 Lifting or carrying weights over 10 pounds, like a heavy bag of groceries
- 10 Picking up a 5p coin from a table

96 None of these [Exclusive code]

[Multiple responses to HeADLa are recorded in variables heada01 to heada11].

**HeADLb @**

SHOW CARD M

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

Because of a health or memory problem, do you have difficulty doing any of the activities on this card?

PROBE : What others? CODE ALL THAT APPLY

- 1 Dressing, including putting on shoes and socks
  - 2 Walking across a room
  - 3 Bathing or showering
  - 4 Eating, such as cutting up your food
  - 5 Getting in or out of bed
  - 6 Using the toilet, including getting up or down
  - 7 Using a map to figure out how to get around in a strange place
  - 8 Preparing a hot meal
  - 9 Shopping for groceries
  - 10 Making telephone calls
  - 11 Taking medications
  - 12 Doing work around the house or garden
  - 13 Managing money, such as paying bills and keeping track of expenses
- 96 None of these [Exclusive code]

[Multiple responses to HeADLb are recorded in variables headb01 to headb14].

**社会关怀**

*IF difficulty with any of the activities in the two lists above:  
(HeADLa = 1, 2, 3, 4, 5, 6, 7, 8, 9 OR 10) OR (HeADLb = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 OR 13)*

**HeHpa**

Thinking about the activities that you have problems with, does anyone ever help you with these activities (including your partner or other people in your household)?

- 1 Yes
- 2 No

*IF someone helps with daily activities: HeHpa = 1*

**HeHpb @**

SHOW CARD N

Who helps you with these activities?

PROBE : Does anyone else help you with these activities?

CODE ALL THAT APPLY

- 1 Husband or wife or partner
- 2 Mother or father
- 3 son
- 4 Son-in-law
- 5 daughter

- 6 Daughter-in-law
- 7 sister
- 8 brother
- 9 Grandson
- 10 Granddaughter
- 11 Other relative
- 12 Unpaid volunteer
- 13 Privately paid employee
- 14 Social or health service worker
- 15 Friend or neighbour
- 16 Other person

[Multiple responses to Hehpb are recorded in variables hehpb01 to hehpb16].

**HeHpc**

Would you say that the help you receive ...READ OUT...

- 1 meets your needs all the time,
- 2 usually meets your needs,
- 3 sometimes meets your needs,
- 4 or, hardly ever meets your needs?

ENDIF

**HeAid @**

Do you use any of the following ...READ OUT AND CODE ALL THAT APPLY... ONLY INCLUDE PERSONAL ALARMS USED TO CALL FOR ASSISTANCE AFTER FALLS ETC

- 1 a cane or walking stick?
- 2 a zimmer frame or walker?
- 3 a manual wheelchair?
- 4 an electric wheelchair?
- 5 a buggy or scooter?
- 6 special eating utensils?
- 7 a personal alarm?
- 96 None of these [Exclusive code]

[Multiple responses to HeAid are recorded in variables heaid1 to heaid8].

ENDIF

**尿失禁**

**HeInct**

This might not be easy to talk about, but we would like to ask you about incontinence. During the last 12 months, have you lost any amount of urine beyond your control?

- 1 Yes
- 2 No

NEW BLOCK

**HeTimK @**

Time at start of **smoking section** (set by HeSmk)  
TIME

**HeSmk**

Have you ever smoked cigarettes?

- 1 Yes
- 2 No

*IF has ever smoked cigarettes: HeSmk = 1*

**HESka**

Do you smoke cigarettes at all nowadays?

- 1 Yes
- 2 No

*IF smokes cigarettes at all nowadays: HESka = 1*

**HECig**

Do you smoke cigarettes or roll ups?

- 1 Cigarettes
- 2 Roll ups
- 3 Both cigarettes and roll-ups

*IF smokes cigarettes or cigarettes and roll-ups: HECig = 1 OR 3*

**HeSkb**

About how many cigarettes a day do you usually smoke on weekdays?

IF RANGE GIVEN AND CAN'T ESTIMATE, ENTER MID-POINT.

IF LESS THAN ONE A DAY, ENTER 0

Range: 0..997

**HeSkc**

About how many cigarettes a day do you usually smoke at weekends?

IF RANGE GIVEN AND CAN'T ESTIMATE, ENTER MID-POINT.

IF LESS THAN ONE A DAY, ENTER 0

Range: 0..997

CHECK: IF HeSkb >= 200, INTERVIEWER: This is more than 200 a day. Please change. IF HeSkb >= 60, INTERVIEWER: This seems high (^# of cigarettes smoked on weekdays). Please check

CHECK: IF HeSkc >= 200, INTERVIEWER: This is more than 200 a day. Please change. IF HeSkc >= 60, INTERVIEWER: This seems high (^reported # of cigarettes smoked a day at weekends). Please check

*ENDIF*

*IF smokes roll-ups or both cigarettes and roll-ups: HECig = 2 OR*

*3*

**HeTba**

How much tobacco do you normally smoke on a weekday?

CODE HOW ANSWER GIVEN

- 1 Grams
- 2 Ounces

**HETbb**

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

ENTER AMOUNT

Range: 0..997

CHECK: IF HETbb >= 200, INTERVIEWER: This is more than 200 a day. Please change. IF HeTba = Ounces AND HETbb >= 4,

INTERVIEWER: This seems high (*^reported amount of tobacco normally smoked on a weekday*). Please check. IF HeTba = Ounces

AND HETbb >= 120,

INTERVIEWER: This seems high (*^reported amount of tobacco normally smoked on a weekday*).

**HeTbc**

How much tobacco do you normally smoke a day at weekends?

CODE HOW ANSWER GIVEN

1 Grams

2 Ounces

**HETbd**

(How much tobacco do you normally smoke a day at weekends?)

ENTER AMOUNT

Range: 0..997

CHECK: IF HETbd >= 200, INTERVIEWER: This is more than 200 a day. Please change. IF HeTbc = Ounces AND HETbd >= 4,

INTERVIEWER: This seems high (*^reported amount of tobacco normally smoked a day at weekends*). Please check. IF HeTbc =

Ounces AND HETbd >= 120, INTERVIEWER: This seems high (*^reported amount of tobacco normally smoked a day at weekends*).

ENDIF

ENDIF

ENDIF

NEW BLOCK

**HeTimL @**

Time at start of alcohol section (set by HeAla)

TIME

**HeAla**

In the past 12 months have you taken an alcoholic drink ...READ  
OUT...

1 twice a day or more,

2 daily or almost daily,

3 once or twice a week,

4 once or twice a month,

5 special occasions only,

6 or, not at all?

IF have drinking habits data from HSE

|

**HeAlb**

Since the last time we interviewed you ^date of HSE interview, have you changed your drinking habits?

- 1 Yes
- 2 No

*IF changed drinking habits since time of HSE interview: HeAlb = 1*

**HeAlc**

Do you now drink ...READ OUT...

- 1 a lot more,
- 2 a bit more,
- 3 a bit less,
- 4 or, a lot less?

*ENDIF*

ENDIF

NEW BLOCK

**HeTimM @**

Time at start of **physical activity** section (set by HeActa)  
TIME

**HeActa**

SHOW CARD 0

We would like to know the type and amount of physical activity involved in your daily life. Do you take part in sports or activities that are vigorous ...READ OUT...

- 1 more than once a week,
- 2 once a week,
- 3 one to three times a month,
- 4 hardly ever, or never?

**HeActb**

SHOW CARD 0

And do you take part in sports or activities that are moderately energetic ...READ OUT...

- 1 more than once a week,
- 2 once a week,
- 3 one to three times a month,
- 4 hardly ever, or never?

**HeActc**

SHOW CARD 0

And do you take part in sports or activities that are mildly energetic ...READ OUT...

- 1 more than once a week,
- 2 once a week,
- 3 one to three times a month,
- 4 hardly ever, or never?

*IF randomisation allocates first general health option: HERan = 1*

**Hehelpb**

| Would you say your health is ...READ OUT...

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

| *ELSE*

| **Hegenhb**

| How is your health in general? Would you say it was ...READ OUT...

- | 1 Very good,
- | 2 good,
- | 3 fair,
- | 4 bad,
- | 5 or, very bad?

ENDIF