

# The **Irish** Longitudinal Study on Ageing

## Derived Variables Codebook

### Wave 4

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This codebook contains information on additional variables included in the TILDA Wave 4 dataset. Notes on how the variable was derived are included where necessary.

A list of the original variables used for derivation are included. Please note that not all original variables are included in released versions of the datasets.

Where possible, details of any original documentation relating to scale scoring or information are included.

For any further enquires on variables not listed here, please refer to the TILDA release guide available on the TILDA website [www.tilda.ie](http://www.tilda.ie).

<http://www.tilda.ie>



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The Irish Longitudinal  
Study on Ageing

## Contents

Functional Limitations .....	8
ADL_reported.....	8
ADL_helper .....	8
IADL_reported.....	8
IADL_helper .....	9
adla.....	9
adlwa.....	10
iadla.....	10
iadlza.....	11
mobilb.....	11
lgmusa.....	11
grossa.....	12
finea.....	12
DISimpairments .....	12
DISadl .....	12
DISadl .....	13
DISdisab3.....	13
DISlongterm.....	13
DISvision .....	14
DIShearing .....	14
DISconverse1 .....	15
DISconverse4.....	15
DIStaste.....	15
DISsmell .....	16
Health.....	17
COGimmediatedrecall1 .....	17
COGimmediatedrecall2 .....	17
COGdelayedrecall.....	17
COGprosmem1 .....	17
COGprosmem2.....	17
COGmmse .....	18
COGanimal_naming .....	18
MHcesd_capi_sf .....	18
MHhadsa_capi .....	19
MHpennworry.....	20
MHucla_loneliness .....	20

MHcapi_loneliness .....	22
MHcidi_anxiety .....	22
MHcidi_depression .....	23
MHcasp12_total.....	24
MHcasp12_control.....	25
MHcasp12_autonomy .....	25
MHcasp12_pleasure.....	26
MHcasp12_selfreal .....	26
Pssscore.....	27
CHRany_pain.....	28
CHRpain_severity.....	28
CHRpainlimits .....	28
CHRany_incontinence .....	29
CHRincontinence_freq .....	29
CHRincontinencelimits.....	29
MDmeds.....	30
MDmeds4.....	30
MDmeds_excl_supps .....	30
MDmeds4_excl_supps .....	30
MDsupplements .....	31
MDpolypharmacy .....	31
MDpoly_excl_supps .....	31
MDpoly_extreme .....	32
MDpoly_extreme_ex_supps .....	32
MDantidepressant .....	32
MDantihypertensives .....	33
MDantihypertensives2 .....	33
medcard.....	33
MDace_bbb.....	34
MDace_nonbbb.....	34
MDarb_bbb .....	34
MDarb_nonbbb.....	34
MDarb_undbbb.....	35
MDccb_bbb.....	35
MDccb_nonbbb.....	35
MDantihypertensivesC08CEG.....	36
MDhypoglyc .....	36

MDinsulin .....	36
MDglycosides .....	37
Mdantiarrhythmics .....	37
MDvasodil .....	37
MDantiadren .....	38
MDdiur.....	38
MDlc_diur.....	38
MDhc_diur.....	39
MDnons_betab.....	39
MDs_betab.....	39
MDccb .....	40
MDace.....	40
MDarb.....	40
MDstatin .....	41
MDincont .....	41
MDalpha_bph .....	41
MDnsaid.....	42
MDopioid.....	42
MDantiepileptic .....	42
MDantipark.....	42
MDantipsych.....	43
MDnons_mari .....	43
MDssri .....	44
MDotherantidep.....	44
MDantihist .....	44
ph726_08_to_11 .....	45
smokcurr .....	45
BEHcage .....	45
BEHcage2 .....	45
ICD Codes.....	47
ICD10_01.....	47
ICD10_02.....	47
ICD10_03.....	48
ICD10_04.....	48
ICD10_05.....	48
ICD10_06.....	49
ICD10_07.....	49

ICD10_08.....	49
ICD10_09.....	50
ICD10_10.....	50
ICD10_11.....	50
ICD10_12.....	51
ICD10_13.....	51
ICD10_14.....	51
ICD10_15.....	52
ICD10_16.....	52
IPAQ .....	53
minswalking.....	53
minsmoderate.....	53
minsvigorous.....	53
walkingmet.....	54
moderatemet.....	54
vigorousmet.....	54
IPAQmetminutes.....	54
IPAQexercise3 .....	55
Employment.....	56
retired.....	56
employ .....	56
pension_payIn.....	56
pension_receive.....	57
Financial.....	58
INCASSassets.....	58
INCASSnetassets .....	58
INCASSassets5.....	58
INCASSnetassets5 .....	58
INCtotalhousehold_loop .....	58
Social Participation .....	59
SOCpaliveW4.....	59
SOCsocParticip.....	59
SOCChurch.....	59
SOCClubs .....	60
SOCrelFriends.....	60
SOCcloseTies.....	60
SOCsocnet .....	61

SCR Section.....	61
SCRflu .....	61
SCRbreastlumps.....	62
SCRprostate .....	62

## **Functional Limitations**

Activities of Daily Living

### **ADL\_reported**

Description: Indicator variable for respondents who have reported any ADL.

Notes: *This variable is not comparable with TILDA Wave 1.*

Response options:

0 = No

1 = Yes

Variables used:

f1002\_01 - f1002\_06

### **ADL\_helper**

Description: Indicator variable for respondents report having help for their ADL(s).

Notes: *This variable is not comparable with TILDA Wave 1.*

Response options:

0 = No

1 = Yes

Variables used:

f1005, f1008, f1011, f1013, f1016, f1019

### **IADL\_reported**

Description: Indicator variable for respondents who have reported any IADLs.

Response options:

0 = No

1 = Yes

Variables used:

f1025\_01 - f1025\_06



## **IADL\_helper**

Description: Indicator variable for respondents report having help for their IADL(s).

Response options:

0 = No

1 = Yes

Variables used:

f1026, f1029, f1030, f1031

## **adla**

Description: Reports number of ADLs from list of 5.

ADLs included:

- Difficulty bathing or showering
- Dressing
- Eating, such as cutting up your food
- Getting in or out of bed
- Walking across a room.

0 = None

1 = Single ADL

2 = 2-3 ADLs

4 = 4+ ADLs

Variables used:

f1002\_01 - f1002\_05

**adlwa**

Description: Number of Wallace and Herzog proposed ADLs: 0-3.

ADLs included:

- Difficulty bathing or showering
- Dressing
- Eating, such as cutting up your food

0 = None

1 = Single ADL

2 = 2-3 ADLs

4 = 4+ ADLs

Notes:

Refer to Wallace, R. B., & Herzog, A. R. (1995). Overview of the health measures in the Health and Retirement Study. *The Journal of Human Resources* XXX (Suppl.), S84-S107 for more details on the Wallace and Herzog proposed ADL scale.

Variables used:

f1002\_01, f1002\_03, f1002\_04

**iadla**

Description: Reports number of IADLs from list of 3.

IADLs included:

- Making telephone calls
- Taking medications
- Managing money, such as paying bills and keeping track of expenses

Variables used:

f1025\_04 – f1025\_06

**iadlza**

Description: Reports number of IADLs from list of 5.

IADLs included:

- Preparing a hot meal
- Shopping for groceries
- Making telephone calls
- Taking medications
- Managing money, such as paying bills and keeping track of expenses

Variables used:

f1025\_01, f1025\_03, f1025\_04, f1025\_05, f1025\_06

**mobilb**

Description: ADL & IADL mobility index: 0-4.

Limitations included:

- Walking 100 meters (100 yards)
- Walking across a room
- Climbing several flights of stairs
- Climbing one flight of stairs without resting

Variables used:

f1001\_01, f1001\_05, f1001\_06, f1002\_02

**lgmusa**

Description: ADL & IADL large muscle index: 0-4.

Limitations included:

- Sitting for about two hours
- Getting up from a chair after sitting for long periods
- Stooping, kneeling or crouching
- Pulling or pushing large objects like a living room chair

Variables used:

f1001\_03, f1001\_04, f1001\_07, f1001\_09

**grossa**

Description: ADL & IADL gross motor index: 0-5.

Limitations included:

- Walking 100 meters
- Walking across a room
- Climbing one flight of stairs without resting for long periods
- Getting in or out of bed
- Bathing or showering

Variables used:

f1001\_01, f1001\_06, f1002\_02, f1002\_05, f1002\_03

**finea**

Description: ADL & IADL fine motor: 0-3.

Limitations included:

- Picking up a small coin from a table
- Eating, such as cutting up your food
- Dressing

Variables used:

f1001\_11, f1002\_01, f1002\_04

**DISimpairments**

Description: Number of physical limitations

Variables used:

f1001\_01 – f1001\_11

**DISadl**

Description: Number of ADL impairments

Variables Used:

f1002\_01 - f1002\_06

**DISadl**

Description: Number of ADL impairments

Variables Used:

f1025\_01 - f1025\_06

**DISdisab3**

Description: Indicator variable for respondents with ADL or IADL disabilities

Variables Used:

f1001\_01 – f1001\_11, f1002\_01 - f1002\_06, f1025\_01 - f1025\_06

**DISlongterm**

Description: Indicator for respondents with long term illness

Response Options

1 = No longer term illness

2 = Long term illness

3 = Limiting long term illness

Variables Used:

ph003

**DISvision**

Description: Respondent's self-rated vision

## Response Options:

1 = Excellent

2 = Very Good

3 = Good

4 = Fair

5 = Poor or Registered Blind

## Variables Used:

ph102

**DIShearing**

Description: Respondent's self-rated hearing

## Response Options:

1 = Excellent

2 = Very Good

3 = Good

4 = Fair

5 = Poor or Registered Blind

## Variables Used:

ph108

**DISconverse1**

Description: Difficulty following a conversation with 1 person

Response Options

1 = None

2 = Some

3 = Much/Impossible

Variables Used:

ph109

**DISconverse4**

Description: Difficulty following a conversation with 4 people

Response Options

1 = None

2 = Some

3 = Much/Impossible

Variables Used:

ph110

**DIStaste**

Description: Respondent's self-rated sense of taste.

Response Options:

1 = Excellent

2 = Very Good

3 = Good

4 = Fair

5 = Poor or Registered Blind

Variables Used:

ph113

**DISsmell**

Description: Respondent's self-rated sense of smell.

Response Options:

1 = Excellent

2 = Very Good

3 = Good

4 = Fair

5 = Poor or Registered Blind

Variables Used:

ph112



## **Health**

Physical and Mental Health

### **COGimmediatedrecall1**

Description: Results of the first immediate recall question combining those answering from lists read out by the interviewer and a list read out from a computer.

Variables used:

ph117, ph119

### **COGimmediatedrecall2**

Description: Results of the second immediate recall question combining those answering from lists read out by the interviewer and a list read out from a computer.

Variables used:

ph118, ph120

### **COGdelayedrecall**

Description: Score for delayed recall test

Variables used:

ph712

### **COGprosmem1**

Description: Result of prospective memory test 1 – record time

Response Options

0 = fail

1 = pass

Variables used:

Ph715

### **COGprosmem2**

Description: Result of prospective memory test 2 – write initials

Response Options

0 = fail

1 = pass

Variables used:

ph419

### **COGmmse**

Description: Total scoring of the Mini Mental State Examination.

Notes: The MMSE was only asked in the health assessment in Wave 1 of TILDA. It is included in the CAPI for Wave 2 and 3.

The total MMSE score was calculated by summing the item scores across all 11 tasks, taking the higher score of either the WORLD or Serial 7's (maximum 30 points).

For full details on the Mini-mental state examination, please refer to

<http://www.ncbi.nlm.nih.gov/pubmed/1202204>

A full comprehensive explanation of the MMSE scoring and tasks are included in the **TILDA Release Notes**.

Variables used

ph121, ph122, ph123, ph124, ph126, ph127, ph128, ph129, ph130, ph131, ph132, ph133, ph134, ph135, ph136, ph13, ph138, ph139, ph140,

### **COGanimal\_naming**

Description: Number of animals named in one minute

Note: Respondents are asked to name as many animals as they can in 1 minute

Variables used: ph125

### **MHcesd\_capi\_sf**

Description: Indicator as to whether respondent has depressive symptoms.

Response options:

1 = Rarely or none of the time (less than 1 day)

2 = Some or a little of the time (1-2 days)

3 = Occasionally or a moderate amount of time (3-4 days)

4 = All of the time (5-7 days)

Scoring is as follows –

mh006, mh007, mh011, mh014, mh018, mh020,

The scale adds the value of the participant's response minus 1.

E.G. For question mh006, with the response "Occasionally or a moderate amount of time (3-4 days)", a 2 would be added to the scale result ( $3 - 1 = 2$ ).

The scale adds 4 minus the value of the participant's response

E.G. For question mh012, with the response "Some or a little of the time (1-2 days)", a 2 would be added to the scale result ( $4 - 2 = 2$ )

mh012, mh016

The scale adds 4 minus the value of the participant's response

Variables used: mh006, mh007, mh011, mh014, mh018, mh020

Further information:

O'Halloran, A. M., R. A. Kenny and B. L. King-Kallimanis (2014). "The latent factors of depression from the short forms of the CES-D are consistent, reliable and valid in community-living older adults." European Geriatric Medicine 5(2): 97-102.

## **MHhadsa\_capi**

Description: Overall result of the HADs anxiety scale.

Notes: HADs scale is set as missing if any question has missing response.

Scoring is as follows –

mh204, mh205:

The scale adds the value of the participant's response minus 1.

E.G. For question mh204, with the response "Usually", a 1 would be added to the scale result ( $2 - 1 = 1$ ).

mh201, mh202, mh203, mh206, mh207:

The scale adds 4 minus the value of the participant's response

E.G. For question mh201, with the response “A lot of the time”, a 2 would be added to the scale result ( $4 - 2 = 2$ )

Variables used:

mh201 – mh207

Further information:

Zigmond, AS; Snaith, RP (1983). "The hospital anxiety and depression scale". *Acta Psychiatrica Scandinavica* 67 (6): 361–370

### **MHpennworry**

Description: Overall result of the Penn State Worry scale.

Notes: SCQ only. Result is set to missing if any scale items have a missing response.

Response Options:

1 = Not at all typical

2 = In between

3 = Somewhat typical

4 = In between

5 = Very typical

Scoring:

The scale score is the result of all items added together. Each item is worth the value of their response option number.

Variables used:

SCQWORRY1 – SCQWORRY8

Further information:

Meyer, T. J., Miller, M. L., Metzger, R. L., & Borkovec, T. D. (1990). Development and validation of the Penn State Worry Questionnaire. *Behav Res Ther*, 28(6), 487-495.

### **MHucla\_loneliness**

Description: Overall result of the UCLA Loneliness scale.

Notes: SCQ only. Result is set to missing if any scale items have a missing response.

Response Options:

1 = Often

2 = Some of the time

3 = Hardly ever or never

Scoring:

Scoring is as follows –

SCQLoneLns1, 2, 3, 5:

The scale adds 3 minus the value of the participant's response.

E.G. For response "Often", a 2 would be added to the scale result ( $3 - 1 = 2$ ).

SCQLoneLns4:

The scale adds value of the participant's response minus 1

E.G. For response "Some of the time", a 1 would be added to the scale result ( $2 - 1 = 1$ )

Variables used:

SCQLoneLns1 – SCQLoneLns5

Further information:

Russell, D. W. (1996). UCLA Loneliness Scale (Version 3): reliability, validity, and factor structure. *J Pers Assess*, 66(1), 20-40.

### **MHcapi\_loneliness**

Description: Frequency of loneliness taken from the CAPI questionnaire.

Notes: Don't know/Refused set to missing. Cloned variable of mh014.

1 = Rare or never

2 = Some of the time

3 = Moderate amount of the time

4 = All of the time

Variables used:

mh014

### **MHcidi\_anxiety**

Description: Indicates whether respondent fulfils the DSM criteria for general anxiety disorder based on an episode lasting 6 months or longer.

Notes: Uses the Composite International Diagnostic Interview – Short Form (CIDI).

For more information on the CIDI please refer to

<http://onlinelibrary.wiley.com/doi/10.1002/mpr.47/epdf>

DSM-IV criteria code: 300.02 - Generalized anxiety disorder

Criteria is met if participant has had –

Period of worry lasting at least 5 months (mh301, mh302, mh304m, mh304y, mh305m, mh305y, mh304, mh305)

Severe worry (mh306, mh307, mh308, mh310)

Difficult to control worry (mh309, mh311, mh312)

Additional miscellaneous anxiety symptoms (mh314 – mh320)

Response options:

0 = No

1 = Yes

Variables used:

mh301, mh302, mh304m, mh304y, mh305m, mh305y, mh304, mh305, mh306, mh307, mh308, mh309, mh310, mh311, mh312, mh314, mh315, mh316, mh317, mh318, mh319, mh320

## **MHcidi\_depression**

Description: Indicates whether respondent has had a major depressive episode in the past 12 months.

Notes: Uses the Composite International Diagnostic Interview – Short Form (CIDI).

For more information on the CIDI please refer to

<http://onlinelibrary.wiley.com/doi/10.1002/mpr.47/epdf>

DSM-IV criteria code: 300.4 Dysthymic disorder

There are two cases where participants are categorised as having a major depressive episode.

Participants who meet the criteria; has felt depressed or lost interest in most activities at least almost every day for at least most of the day in the past 12 months (mh101, mh102, mh103) are asked a number of additional depression symptoms (mh104, mh105, mh108, mh110, mh112, mh113). Those who meet the initial criteria and at have 3 or more of the additional symptoms are coded as having had a major depressive episode.

Participants who meet the criteria; lost interest in most activities almost every day at least most of the day for two weeks or more in a row in the past 12 months (mh120, mh121, mh122) are asked a number of additional depression related symptoms (mh123, mh126, mh128, mh129, mh130, mh131). Those who meet the initial criteria and at have 3 or more of the additional symptoms are coded as having had a major depressive episode.

Response options:

0 = No

1 = Yes

Variables used:

mh101, h102, mh103, mh120, mh121, mh122, mh104, mh105, mh108, mh110, mh112, mh113, mh123, mh126, mh128, mh129, mh130, mh131

## **MHcasp12\_total**

Description: Overall result including all domains of the CASP-19 scale.

Notes: SCQ only. CASP scale is set as missing if any question has a missing response.

Response Options:

1 = Often

2 = Not often

3 = Sometimes

4 = Never

Scoring is as follows –

SCQCASP1, 2, 4, 8 and 9 are reverse scored.

SCQCASP1, SCQCASP2, SCQCASP4, SCQCASP8, SCQCASP9:

The scale adds the value of the participant's response minus 1.

E.G. For question SCQCASP1, with the response "Not Often", a 1 would be added to the scale result ( $2 - 1 = 1$ ).

SCQCASP3, SCQCASP7, SCQCASP10, SCQCASP11, SCQCASP13, SCQCASP17, SCQCASP18.

The scale adds 4 minus the value of the participant's response

E.G. For question SCQCASP3, with the response "Not often", a 2 would be added to the scale result ( $4 - 2 = 2$ )

Variables used:

SCQCASP1 – SCQCASP18

Further information:

Sexton, E., B. L. King-Kallimanis, R. M. Conroy and A. Hickey (2013). "Psychometric evaluation of the CASP-19 quality of life scale in an older Irish cohort." *Quality of Life Research* 22(9): 2549-2559. (<https://www.ncbi.nlm.nih.gov/pubmed/23504522>)



## **MHcasp12\_control**

Description: Result of the control domain of the CASP-12 scale.

Notes: SCQ only

Response Options:

1 = Often

2 = Not often

3 = Sometimes

4 = Never

The control domain includes the CASP1 – CASP4 items.

SCQCASP1, 2 and 4, are reverse scored.

Variables used:

SCQCASP1 – SCQCASP4

For more details on scoring, please refer to [MHcasp12\\_total](#)

## **MHcasp12\_autonomy**

Description: Result of the autonomy domain of the CASP-12 scale.

Notes: SCQ only

Response Options:

1 = Often

2 = Not often

3 = Sometimes

4 = Never

The control domain includes the CASP7 – CASP9 items.

SCQCASP8 and 9, are reverse scored.

Variables used:

SCQCASP7 – SCQCASP9

For more details on scoring, please refer to [MHcasp12\\_total](#)

## **MHcasp12\_pleasure**

Description: Result of the pleasure domain of the CASP-12 scale.

Notes: SCQ only

Response Options:

1 = Often

2 = Not often

3 = Sometimes

4 = Never

The control domain includes the CASP10 – CASP13 items.

Variables used:

SCQCASP10, SCQCASP11 and SCQCASP13

For more details on scoring, please refer to [MHcasp12\\_total](#)

## **MHcasp12\_selfreal**

Description: Result of the self-realisation domain of the CASP-12 scale.

Notes: SCQ only

Response Options:

1 = Often

2 = Not often

3 = Sometimes

4 = Never

The control domain includes the CASP17 – CASP18 items.

Variables used:

SCQCASP17 – SCQCASP18

For more details on scoring, please refer to [MHcasp12\\_total](#)

## **Pssscore**

Description: Overall result including all domains of the Perceived Stress Scale (4items) 4-item. Scores range from 0 to 16, higher score indicates greater stress.

Notes: SCQ only. CASP scale is set as missing if any question has a missing response.

Response Options:

1 = Hardly ever

2 = Almost never

3 = Sometimes

4 = Fairly often

5 = Very often

Scoring is as follows –

SCQPPS2 , 3 are reverse scored.

Variables used:

SCQPPS1, SCQPPS2, SCQPPS3, SCQPPS4

Further information:

Cohen, S., Kamarck, T., & Mermelstein, R. (1983). A global measure of perceived stress. *Journal of Health and Social Behavior*, 24, 385-396.

**CHRany\_pain**

Description: Indicates whether participant has any chronic pain

Note: includes proxy respondents

Response options:

0 = No pain

1 = Pain

Variables used:

Ph501

**CHRpain\_severity**

Description: Indicates how severe participant's chronic pain is

Note: includes proxy respondents

Response options:

1 = Mild

2 = Moderate

3 = Severe

4 = Unknown

Variables used:

Ph502

**CHRpainlimits**

Description: Indicates whether the participants chronic pain limits their activities

Note: Excludes proxy respondents

Response options:

0 = No

1 = Yes

Variables used:

Ph504

### **CHRany\_incontinence**

Description: Indicates whether participant has had any urinary incontinence in last 12 months

Note: includes proxy respondents

Response options:

0 = No

1 = Yes

Variables used:

Ph601

### **CHRincontinence\_freq**

Description: Indicates the frequency of incidents of urinary incontinence

Note: includes proxy respondents

Response options:

0 = No incontinence

1 = Less than or equal to once a month

2 = More than once in a month

3 = Unknown

Variables used:

Ph602

### **CHRincontinencelimits**

Description: Indicates whether urinary incontinence limits the participants activities

Note: includes proxy respondents

Response options:

0=No

1= Yes

Variables used:

Ph604

### **MDmeds**

Description: Number of reported medications (including supplements)

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDmeds4**

Description: Number of reported medications (including supplements)

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDmeds\_excl\_supps**

Description: Number of regular medications (excluding supplements)

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDmeds4\_excl\_supps**

Description: Number of regular medications (excluding supplements)

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDsupplements**

Description: Number of reported supplements

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDpolypharmacy**

Description: Indicator variable for respondents who report more than five medications (including supplements)

Response options:

0 = No

1 = Yes

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDpoly\_excl\_supps**

Description: Indicator variable for respondents who report more than five medications (excluding supplements)

Response options:

0 = No

1 = Yes

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDpoly\_extreme**

Description: Indicator variable for respondents who report more than ten medications (including supplements)

Response options:

0 = No

1 = Yes

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDpoly\_extreme\_ex\_supps**

Description: Indicator variable for respondents who report more than ten medications (excluding supplements)

Response options:

0 = No

1 = Yes

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDantidepressant**

Description: Indicator variable for respondents who report at least one anti-depressant

Response options:

0 = No

1 = Yes



Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDantihypertensives**

Description: Indicator variable for respondents who report at least one anti-hypertensive

Response options:

0 = No

1 = Yes

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **MDantihypertensives2**

Description: Indicator variable for respondents who report at least one anti-hypertensive

Response options:

0 = No

1 = Yes

Variables used:

md001medcode\_1 - md001medcode\_20

md001medname\_1 – md001medname\_20

### **medcard**

Description: Indicates whether respondent has a medical card.

Response options:

0 = No

1 = Yes

**MDace\_bbb**

Description:Indicator of respondents who take a BBB crossing ACE inhibitor

Response options:

0 = No

1 = Yes

Variables used:

MDmeds, MDatc1-DMatc20

**MDace\_nonbbb**

Description:Indicator of respondents who take a non-BBB crossing ACE inhibitor

Response options:

0 = No

1 = Yes

Variables used:

MDmeds, MDatc1-DMatc20

**MDarb\_bbb**

Description:Indicator of respondents who take a BBB crossing ARB

Response options:

0 = No

1 = Yes

Variables used:

MDmeds, MDatc1-DMatc20

**MDarb\_nonbbb**

Description:Indicator of respondents who take a non-BBB crossing ARB

Response options:

0 = No

1 = Yes

Variables used:

MDmeds, MDatc1-DMatc20

### **MDarb\_undbbb**

Description: Indicator of respondents who take an undetermined ARB

Response options:

0 = No

1 = Yes

Variables used:

MDmeds, MDatc1-DMatc20

### **MDccb\_bbb**

Description: Indicator of respondents who take a BBB crossing Calcium channel blocker

Response options:

0 = No

1 = Yes

Variables used:

MDmeds, MDatc1-DMatc20

### **MDccb\_nonbbb**

Description: Indicator of respondents who take a non-BBB crossing Calcium channel blocker

Response options:

0 = No

1 = Yes

Variables used:

MDmeds, MDatc1-DMatc20

### **MDantihypertensivesC08CEG**

Description: Indicator of respondents who take an antihypertensive from ATC C08C, C08E, or C0

MDppi

Description: Taking any Proton pump inhibitor

Response options:

0 = No

1 = Yes

Variables used:

MDmeds, MDatc1-DMatc20

### **MDhypoglyc**

Description: Taking any Blood glucose lowering drug, excl. insulins

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDinsulin**

Description: Taking any Insulins and analogues

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MData1-DData20

### **MDglycosides**

Description: Taking any Cardiac glycosides

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MData1-DData20

### **Mdantiarrhythmics**

Description: Taking any Antiarrhythmics, class I and III

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MData1-DData20

### **MDvasodil**

Description: Taking any Vasodilators used in cardiac diseases

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDantiadren**

Description: Taking any Antiadrenergic agents, antihypertensives

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDdiur**

Description: Taking any Diuretic use

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDlc\_diur**

Description: Taking any Low-ceiling diuretics

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDhc\_diur**

Description: Taking any High-ceiling diuretics

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDnons\_betab**

Description: Taking any Non-selective beta-blocker use

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDs\_betab**

Description: Taking any Selective beta blocker use

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDccb**

Description: Taking any Calcium channel blockers

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDace**

Description: Taking any ACE inhibitors

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDarb**

Description: Taking any Angiotensin II Antagonist

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20



**MDstatin**

Description: Taking any Statins

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDincont**

Description: Taking any Drugs for urinary frequency and incontinence

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDalpha\_bph**

Description: Taking any Alpha-adrenoreceptor antagonist used in benign prostatic hypertrophy

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDnsaid**

Description: Taking any NSAID

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDopioid**

Description: Taking any Opioids

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDantiepileptic**

Description: Taking any Antiepileptics

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDantipark**

Description: Taking any Anti-parkinson drugs

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDantipsych**

Description: Taking any Antipsychotics

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

### **MDnons\_mari**

Description: Taking any Non-selective monoamine reuptake inhibitors

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MDatc1-DMatc20

**MDssri**

Description: Taking any SSRIs

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MData1-DData20

**MDothertidep**

Description: Taking any Other Antidepressant

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MData1-DData20

**MDantihist**

Description: Taking any Antihistamines

Notes: derived variables for the consortium for prediction model of drug-related falls

Response options:

0 = No

1 = Yes

Variables used:

MData1-DData20

### **ph726\_08\_to\_11**

Description: Indicates whether respondent's family has had any history of cancer.

Notes: Family includes primary or first-degree relatives.

Cancers included:

Breast cancer  
Ovarian cancer  
Prostate cancer  
Colon Cancer

Response options:

0 = No

1 = Yes

Variables used:

ph726\_08, ph726\_09, ph726\_10, ph726\_11

### **smokcurr**

Description: Indicates whether respondent is a current smoker or not

Notes: Include all respondents who smoked in the past three months. Those who responded no in previous interviews are asked again and included if they now smoke.

Response options:

0 = No

1 = Yes

Variables used:

bh001, bh002, bh002a, bh002b

### **BEHcage**

Description: CAGE alcohol scale score

Variables Used:

SCQCAGE1, SCQCAGE2, SCQCAGE3, SCQCAGE4

### **BEHcage2**

Description: Indicator variable for respondents with an alcohol problem

Response options:

0 = No

1 = Yes

Variables Used:

SCQCAGE1, SCQCAGE2, SCQCAGE3, SCQCAGE4

## **ICD Codes**

Incident cases of new diseases in Wave 3

TILDA Wave 3 uses the WHO International Statistical Classification of Diseases and Related Health Problems 10<sup>th</sup> Revision (ICD-10) to code incident cases of new conditions.

These variables apply only to new cases of conditions from Wave 2 to Wave 3. Any respondent with a condition is grouped into their relevant ICD code.

For more information on these and a full breakdown of all conditions included, please refer to <http://www.who.int/classifications/icd/en/>

### **ICD10\_01**

Description: Certain infectious and parasitic diseases

Response options:

0 = No

1 = Yes

Variables used:

N/A

### **ICD10\_02**

Description: Neoplasms

Response options:

0 = No

1 = Yes

Variables used:

ph301\_05

### **ICD10\_03**

Description: Diseases of the blood

Response options:

0 = No

1 = Yes

Variables used:

N/A

### **ICD10\_04**

Description: Endocrine, nutritional and metabolic diseases

Response options:

0 = No

1 = Yes

Variables used:

ph201\_05, ph201\_08, ph301\_15a

### **ICD10\_05**

Description: Mental and behaviour disorders

Response options:

0 = No

1 = Yes

Variables used:

ph301\_07, ph301\_08, ph301\_08a, ph301\_09, ph301\_10, ph301\_11



**ICD10\_06**

Description: Diseases of the nervous system

Response options:

0 = No

1 = Yes

Variables used:

ph201\_07, ph301\_06

**ICD10\_07**

Description: Diseases of the eye and adnexa

Response options:

0 = No

1 = Yes

Variables used:

ph105\_01 - ph105\_95

**ICD10\_08**

Description: Diseases of the ear and mastoid process

Response options:

0 = No

1 = Yes

Variables used:

N/A

### **ICD10\_09**

Description: Diseases of the circulatory system

Response options:

0 = No

1 = Yes

Variables used:

ph201\_01, ph201\_02, ph201\_03, ph201\_04, ph201\_06, ph201\_09, ph201\_10, ph201\_11, ph201\_95  
ph301\_13

### **ICD10\_10**

Description: Diseases of the respiratory system

Response options:

0 = No

1 = Yes

Variables used:

ph301\_01, ph301\_02

### **ICD10\_11**

Description: Diseases of the digestive system

Response options:

0 = No

1 = Yes

Variables used:

ph301\_12, ph301\_14

## **ICD10\_12**

Description: Diseases of the skin and subcutaneous tissue

Response options:

0 = No

1 = Yes

Variables used:

N/A

## **ICD10\_13**

Description: Diseases of the musculoskeletal system and connective tissue

Response options:

0 = No

1 = Yes

Variables used:

ph301\_03, ph301\_04

## **ICD10\_14**

Description: Diseases of the genitourinary system

Response options:

0 = No

1 = Yes

Variables used:

N/A

**ICD10\_15**

Description: Conditions originating in the perinatal period

Response options:

0 = No

1 = Yes

Variables used:

N/A

**ICD10\_16**

Description: Congenital malformations, deformations and chromosomal abnormalities

Response options:

0 = No

1 = Yes

Variables used:

N/A

# IPAQ

Derived results from the IPAQ questionnaire

## **minswalking**

Description: Number of minutes spent walking by respondent over past 7 days

Notes: Respondents are asked to record hours and minutes of time spent walking in the last 7 days. Hours are multiplied by 60 to generate overall minute count.

Includes any walking from place to place that lasted for 10 minutes or more.

Variables used:

bh106, bh106a

## **minsmoderate**

Description: Number of minutes spent doing moderate physical activities by respondent in past 7 days

Notes: Respondents are asked to record hours and minutes of time spent doing moderate physical activities in the last 7 days. Hours are multiplied by 60 to generate overall minute count.

Moderate activity examples are carrying light loads, bicycling at a regular pace. Walking is not included

Variables used:

bh104, bh104a

## **minsvigorous**

Description: Number of minutes spent doing vigorous physical activities by respondent in past 7 days

Notes: Respondents are asked to record hours and minutes of time spent doing vigorous physical activities in the last 7 days. Hours are multiplied by 60 to generate overall minute count.

Physical activity examples are heavy lifting, digging, aerobics or fast bicycling. Includes any vigorous activity that lasted for 10 minutes or more.

Variables used:

bh102, bh102a

### **walkingmet**

Description: Met minutes spent walking by respondent over past 7 days

Notes: Amount of time walking (bh106, bh106a) is calculated by multiplying by the combined hours and minutes by the number of days the respondent has spent on these activities for at least 10 minutes at a time (bh105). This result is multiplied by 3.3.

Variables used:

bh105, bh106, bh106a

### **moderatemet**

Description: Met minutes spent doing moderate physical activities by respondent in past 7 days

Notes: Amount of time spent on moderate activities (bh104, bh104a) is calculated by multiplying by the combined hours and minutes by the number of days the respondent has spent on these activities for at least 10 minutes at a time (bh103). This result is multiplied by 4.0.

Variables used:

bh103, bh104, bh104a

### **vigorousmet**

Description: Met minutes spent doing vigorous physical activities by respondent in past 7 days

Notes: Amount of time spent on vigorous activities (bh102, bh102a) is calculated by multiplying by the combined hours and minutes by the number of days the respondent has spent on these activities for at least 10 minutes at a time (bh101). This result is multiplied by 8.0.

Variables used:

bh101, bh102, bh102a

### **IPAQmetminutes**

Description: Total met (metabolic equivalent) minutes spent on vigorous activities, moderate activities and walking by the respondent in the past 7 days.

Notes: Respondent is asked how many hours and minutes per day they spend on these activities. Max minutes are set to 180.

Variables used:

bh101, bh102, bh102a, bh103 bh104, bh104a, bh105, bh106, bh106a

Further information:

[http://www.institutferran.org/documentos/scoring\\_short\\_ipaq\\_april04.pdf](http://www.institutferran.org/documentos/scoring_short_ipaq_april04.pdf)

### **IPAQexercise3**

Description: Categories of how much physical activity the respondent has engaged in.

Categories –

0 = Low

1 = Moderate

2 = High

Notes: Respondent is asked how many hours and minutes per day they spend on these activities. Max minutes are set to 180.

Scores are categorised as follows:

*Moderate activity:*

- Respondents who have spent 3 or more days doing 20 minutes of vigorous activity.
- Respondents who have spent 30 minutes or more walking and in moderate exercise for at least 5 days.
- Respondents who have 5 or more days of any activity totalling more than 600 met minutes.

*High Activity:*

- Respondents who have spent 3 or more days on vigorous activity totalling 1500 or more met minutes.
- Respondents who have spent 7 or more days on all activities totalling more than 3000 met minutes.

*Low activity:*

- Respondents who have answered the questions but do not meet the criteria for either the moderate or high activity categories.

Variables used:

bh101, bh102, bh102a, bh103 bh104, bh104a, bh105, bh106, bh106a

# **Employment**

## Employment Status and Pensions

### **retired**

Description: Indicates whether respondent is retired.

Response options:

0 = No

1 = Yes

Variables used:

we001

### **employ**

Description: Indicates whether respondent is employed or self-employed.

Response options:

0 = No

1 = Yes

Variables used:

we001

### **pension\_payIn**

Description: Indicates whether respondent pays into any occupational, PRSA or private pensions.

Notes: Only includes respondents who are not retired.

Response options:

0 = No

1 = Yes

Variables used:

we001, wr002, we301, wr401



**pension\_receive**

Description: Indicates whether respondent receives any pension payments – occupational, spousal, PSRA or private pension.

Response options:

0 = No

1 = Yes

Variables used:

si101, si201

## **Financial**

Derived variables from financial questions

### **INCASSassets**

Description: Value of gross assets

Variables used:

as101, as118, as103, as104, as106, as109, as121, as120, as112, as113, as116, hw105, hw113, hw109

### **INCASSnetassets**

Description: Value of net assets

Variables used:

as101, as118, as103, as104, as106, as109, as121, as120, as112, as113, as116, hw105, hw113, hw109

### **INCASSassets5**

Description: Value of gross assets in quintiles

Variables used:

as101, as118, as103, as104, as106, as109, as121, as120, as112, as113, as116, hw105, hw113, hw109

### **INCASSnetassets5**

Description: Value of net assets in quintiles

Variables used:

as101, as118, as103, as104, as106, as109, as121, as120, as112, as113, as116, hw105, hw113, hw109

### **INCtotalhousehold\_loop**

Description: household income is based on a loop: the respondent is asked to estimate the income of each household member aged 16+, including himself/herself. Total household income is the sum of the income of each household member aged 16+. It is an estimation of NET income = after tax and deductions

Variables used:

si409\_i, si412\_i

## **Social Participation**

### **SOCpaliveW4**

Description: Indicates whether or not respondent has any living parents

#### Response Options

0 = None

1 = One Parent Alive

2 = Both

#### Variables used

tp001, tp007

### **SOCsocParticip**

Description: Indicator of a whether or not respondents are in social groups

#### Response Options

0 = No

1 = Yes

#### Variables used

cn001

### **SOCChurch**

Description: Whether or not a respondent attends religious services

#### Response Options

0 = No

1 = Yes

#### Variables used

dm021

### **SOCclubs**

Description: Whether or not a respondent is involved in an organisation other than a Church

#### Response Option

0 = No

1 = Yes

#### Variables used

cn001

### **SOCrelFriends**

Description: Count of close relatives or friends

#### Variables used

cn002, cn003, cn004

### **SOCcloseTies**

Description: Whether respondent has at least 2 close friends or relatives

#### Response Options

0 = No

1 = Yes

#### Variables used

cn002, cn003, cn004

## **SOCsocnet**

Description: Social Connectedness Score

Variables Used

cn001, cn002, cn003, cn004, cn006, dm021

## **SCR Section**

Screening tests

### **SCRflu**

Description: Indicator of whether respondent has ever had a flu vaccination.

Notes: Recode of ph701

0 = No

1 = Yes

Variables used:

ph701

### **SCRbreastlumps**

Description: Indicator of whether respondent checks their breasts regularly for lumps.

Notes: Recode of ph708.

0 = No

1 = Yes

Variables used:

Ph708

### **SCRprostate**

Description: Indicator of whether respondent has ever had prostate cancer.

Notes: Recode of ph711 and ph710. Respondents who have had either a prostate screen test for cancer or a PSA blood test are included.

0 = No

1 = Yes

Variables used:

ph710, ph711