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The Irish Longitudinal Study on Ageing (TILDA), 2014-2015

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Derived Variables Codebook

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TILDA Derived Variables Codebook
Wave 3

This codebook contains information on additional variables included in the TILDA Wave 3 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 ISSDA website or contact the TILDA team (tilda@tcd.ie).

Contents

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:

fl002_01 - fl002_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:

fl005, fl008, fl011, fl013, fl016, fl019

IADL_reported

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

Response options:

0 = No

1 = Yes

Variables used:

fl025_01 - fl025_06

IADL_helper

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

Response options:

0 = No

1 = Yes

Variables used:

fl026, fl029, fl030, fl031

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:

fl002_01 - fl002_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:

fl002_01, fl002_03, fl002_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:

fl025_04 – fl025_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:

fl025_01, fl025_03, fl025_04, fl025_05, fl025_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:

fl001_01, fl001_05, fl001_06, fl002_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:

fl001_03, fl001_04, fl001_07, fl001_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:

fl001_01, fl001_06, fl002_02, fl002_05, fl002_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:

fl001_11, fl002_01, fl002_04

DISimpairements

Description: Number of physical limitations

Variables used:

fl001_01 – fl001_11

DISadl

Description: Number of ADL impairements

Variables Used:

fl002_01 - fl002_06

DISadl

Description: Number of ADL impairements

Variables Used:

fl025_01 - fl025_06

DISdisab3

Description: Indicator variable for respondents with ADL or IADL disabilities

Variables Used:

fl001_01 – fl001_11, fl002_01 - fl002_06, fl025_01 - fl025_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

COGdelayedrecall

Description: Score for delayed recall test

Variables used:

ph712

COGprosmem1

Description: Result of prospective memory test 1 – write initials

Response Options

0 = fail

1 = pass

Variables used:

ph419

COGprosmem2

Description: Result of prospective memory test 2 – record time

Response Options

0 = fail

1 = pass

Variables used:

Ph715

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,

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 of never

2 = Some of the time

3 = Moderate amount of the time

4 = All of the time

Variables used:

mh014

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

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

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

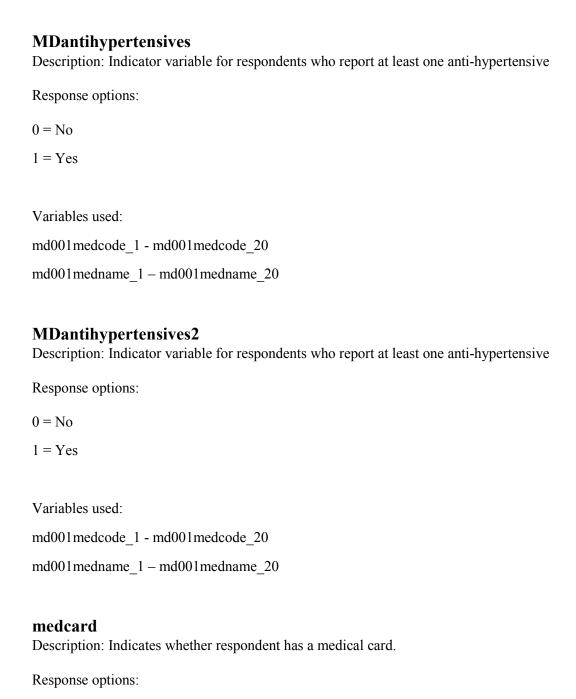Response options:

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

Variables used:

hu001

health_ins

Description: Indicates whether respondent has health insurance.

Response options:

0 = No

1 = Yes

Variables used:

hu002

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

BEHcage

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 10th 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 muscloskeletal 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

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.
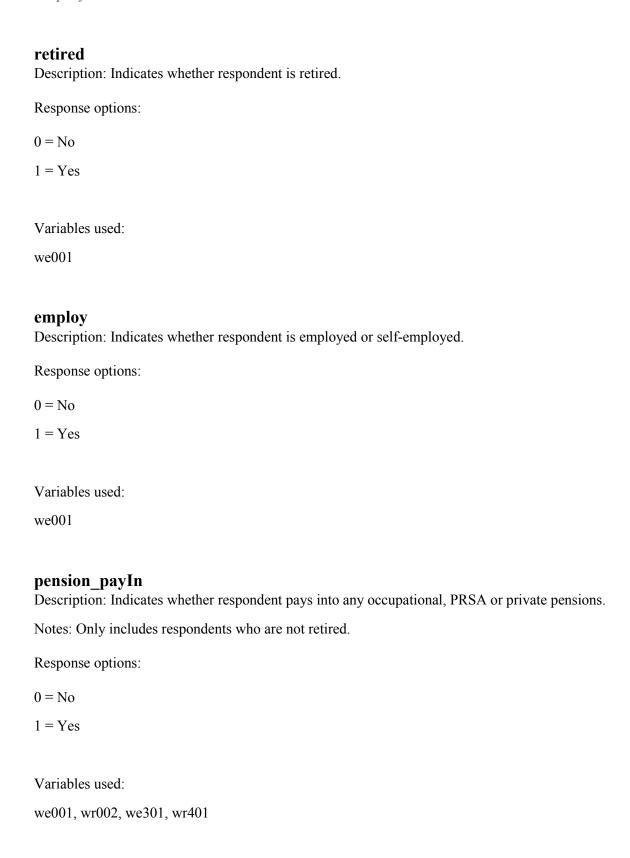
Low activity:

- 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

SOCpaliveW3
Description: Indicates whether or not respondent has any living parents

Response Options

0 = None

1 = One Parent Alive

2 = Both

Variables used

tp001, tp007

SOCmothershealth
Description: Respondent's mother's health

Response Options

1 = Excellent, Very Good or Good

2 = Fair or Poor

Variables used

tp004

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