

**Health Survey for England**

**Health, Social care  
and Lifestyles**

**2013**

## List of Variables

Version 2

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# Introduction

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This document is the most sensible starting point to analysing the HSE data, as it categorises all the variables stored on the dataset to two levels, and it is therefore easier to see the coverage of questions asked at this summary level, rather than ploughing straight into the documentation of the questionnaires and self-completion booklets.

Once you have found the appropriate variables that you want to analyse, you then need to look at the other documentation to see in more detail exactly how the question was asked in the study, or how a derived variable has been defined.

The source of each variable is indicated in the final column of each table of variables with abbreviations as follows:

HHold	Household CAPI Questionnaire
Indiv	Individual CAPI Questionnaire
Nurse	Nurse CAPI Questionnaire
SC ...	Self-Completion Booklet: SC 8-12, SC 13-15, SC Young Adults, SC Adult, or where a question appears in more than one booklet the range is widened (e.g. SC 8-15)
Lab	Results from laboratory, ie from saliva or serum testing
ARF	Address Record Form completed for each issued address
NRF	Nurse Record Form completed for each household where at least one person had agreed to a nurse interview
Derived	A variable derived from other variables, and detailed in the Derived Variable Specification document

# Classification

Household		
Variable	Description	Source
SERIALH <sup>1</sup>	Serial number of household	Hhold
ADULTS	Number of persons aged 16+ in the household	Hhold
CHILDREN	Number of children aged 2-15 in the household.	Hhold
INFANTS	Number of infants under age 2 in the household	Hhold
HHLDR1	In whose name is accommodation owned or rented - Person 1	Hhold
HHLDR2	In whose name is accommodation owned or rented - Person 2	Hhold
HHLDR3	In whose name is accommodation owned or rented - Person 3	Hhold
HHLDR4	In whose name is accommodation owned or rented - Person 4	Hhold
HHLDR5	In whose name is accommodation owned or rented - Person 5	Hhold
HHLDR6	In whose name is accommodation owned or rented - Person 6	Hhold
HHLDR7	In whose name is accommodation owned or rented - Person 7	Hhold
HHLDR8	In whose name is accommodation owned or rented - Person 8	Hhold
HHLDR9	In whose name is accommodation owned or rented - Person 9	Hhold
HHLDR10	In whose name is accommodation owned or rented - Person 10	Hhold
HHLDR11	In whose name is accommodation owned or rented - Person 11	Hhold
HHLDR12	In whose name is accommodation owned or rented - Person 12	Hhold
HHLDR97	Accommodation owned/rented by someone who is not a household member	Hhold
TENUREB	Household tenure	Hhold
JOBACCOM	Does the accommodation go with the job of anyone in the household?	Hhold
LANDLORD	Who is your landlord?	Hhold
FURN	Is the accommodation furnished	Hhold
BEDROOMS	Number of bedrooms in household	Hhold
HOADC1	Whether has feature in the home: Wide doorways or hallways	Hhold
HOADC2	Whether has feature in the home: Ramps or street level entrances	Hhold
HOADC3	Whether has feature in the home: Hand rails	Hhold
HOADC4	Whether has feature in the home: Automatic or easy open doors	Hhold
HOADC5	Whether has feature in the home: Accessible parking or drop off site	Hhold
HOADC6	Whether has feature in the home: Lift	Hhold
HOADC7	Whether has feature in the home: Walk in shower (level access or standard shower tray)	Hhold
HOADC8	Whether has feature in the home: Over bath shower	Hhold
HOADC96	Whether has feature in the home: None of these	Hhold
HOADS	Whether any of these features installed in the home	Hhold
PASSM	Does anyone smoke inside this house/flat on most days?	Hhold
NUMSM	Number of people who smoke inside this house/flat in most days	Hhold
CAR	Whether car or van normally available	Hhold
NUMCARS	Number of cars normally available	Hhold
FINOUTC	Final outcome code	Hhold
HHDTYPB	(D) Household Type	Derived
HHSIZE	(D) Household Size	Derived

Individual		
Variable	Description	Source
SERIALI <sup>2</sup>	Serial number of individual	Indiv
SEX	Sex	Hhold
AGE	Age last birthday	Hhold
DOBDAY*	Day of birth	Hhold
DOBMON*	Month of birth	Hhold
DOBYEAR*	Year of birth	Hhold
INDOUT	Individual outcome codes	Indiv
MONTHAGE	Age in months for infants under 1	Hhold
WEEKAGE	Age in weeks for infants under 2 years	Hhold
AG16G10	(D) Age 16-75+ in ten year age bands	Derived
AG16G20	(D) Age 16-55+ in twenty year age bands	Derived
AG1665G10	(D) Age 16-65+ in ten year age bands	Derived

<sup>1</sup> Variable scrambled and renamed Hserial in archived dataset.

<sup>2</sup> Variable scrambled and renamed Pserial in archived dataset.

\* Removed from dataset due to reasons of confidentiality.

AG65G5	(D) Age 65-85+ in five year age bands	Derived
AG6585G10	(D) Age <65, 65-75, 75-85, 85+ groups	Derived
AG6575G10	(D) Age <65, 65-75, 75+ groups, years	Derived
AGE65	(D) Age grouped (years, 2 groups, <65, 65+)	Derived
AGE85	(D) Age 16-85+ in approx ten year age bands	Derived
AG015G2	(D) Age 0-15 in two year bands	Derived
AG215G2	(D) Age 2-15 in two year bands	Derived
AG215G3	(D) Age 2-15: Approx 3 year age bands	Derived
AG415G3	(D) Age 4-15: 3 year age bands	Derived
AG515G3	(D) Age 5-15: Approx 3 year age bands	Derived
AG715G3	(D) Age 7-15: 3 year age bands	Derived
AG1655GP5	(D) Age groups 16-55+, 5 groups	Derived
AG1650GP3	(D) Age groups 16-50+, 3 groups	Derived
IRNDAGE*	(D) Age at interview rounded to the nearest integer	Derived
NRNDAGE*	(D) Age at nurse visit rounded to the nearest integer	Derived

## Admin

Variable	Description	Source
CHILD1	Person number of selected child 1	Hhold
CHILD2	Person number of selected child 2	Hhold
PERSNO	Person number	Indiv
INTNUM*	Interviewer number	Hhold
NHSCAN	Permission to pass name to NHSCR/Cancer Registry/HES	Indiv
REINTER*	Permission to contact for reinterview	Indiv
DINTB*	Day of interview	Indiv
MINTB	Month of interview	Indiv
YINTB*	Year of interview	Indiv
QRTINT	(D) Quarter of year of individual interview	Derived
ADRESP	Who answers on behalf of child U13	Indiv
NUMP	Number of respondents in this questionnaire	Indiv
INTDAYW	(D) Weekday of individual interview	Derived
HRPID	Household Reference Person identifier	Indiv
HHRESP	Person number who was responsible for answering the grids	Hhold
HQRESP	Status of person responsible for answering grids	Hhold
HHOLDER	Is this person mentioned at Hholder?	Indiv

## Booklet Admin

Variable	Description	Source
BOOKCHK	Aged 18 - 24: Asked about drinking/smoking or complete Young Adults SC	Indiv
SCTYPE	Type of Self completion offered	Indiv
SCOMP3	Self completion completed	Indiv
SCREC	Self completion received	Indiv
SC3ACC1	SC: Completed independently	Indiv
SC3ACC2	SC: Completed with assistance from other children	Indiv
SC3ACC3	SC: Completed with assistance from other household member	Indiv
SC3ACC4	SC: Completed with assistance from interviewer	Indiv
SC3ACC5	SC: Interviewer administered SC booklet	Indiv
SCOMP60	SC refused: Child away from home during fieldwork period	Indiv
SCOMP61	SC refused: Eyesight problems	Indiv
SCOMP62	SC refused: Language problems	Indiv
SCOMP63	SC refused: Reading/writing/comprehension difficulties	Indiv
SCOMP64	SC refused: Bored/fed up/ tired	Indiv
SCOMP65	SC refused: Questions too sensitive/invasion of privacy	Indiv
SCOMP66	SC refused: Booklet too long/too busy/taken long enough already	Indiv
SCOMP67	SC refused: No other reason given	Indiv
SCOMP68	SC refused: Illness/disability (physical or mental)	Indiv
SCOMP69	SC refused: Child 2-12 asleep	Indiv
SCOMP610	SC refused: Not in/not available	Indiv
SCOMP611	SC refused: Proxy refusal	Indiv
SCOMP612	SC refused: No self completion booklet available	Indiv
SCOMP695	SC refused: Other reason	Indiv
SCOMP5A1	SC present: Spouse/partner	Indiv
SCOMP5A2	SC present: Parent(s) (incl step/foster)	Indiv
SCOMP5A3	SC present: Brother(s)/sister(s)	Indiv
SCOMP5A4	SC present: Own/related child(ren) (incl step/foster/partner's)	Indiv

SCOMP5A5	SC present: Other relative(s)	Indiv
SCOMP5A6	SC present: Unrelated adult(s)	Indiv
SCOMP5A7	SC present: Unrelated child(ren)	Indiv
SCOMP5A8	SC present: Interviewer	Indiv
SCOMP5A9	SC present: No-one else present	Indiv
BOOKLET	(D) Eligible for which self-completion booklet	Derived

## Education

Variable	Description	Source
EDUCEND	Age finished continuous full-time education	Indiv
QUAL	Whether has any of the qualifications listed	Indiv
QUALA1	Qualification: Degree/degree level qualification (incl higher degree)	Indiv
QUALA2	Qualification: Teaching qualification	Indiv
QUALA3	Qualification: Nursing: SRN, SCM, SEN, RGN, RM, RHV, Midwife	Indiv
QUALA4	Qualification: HNC/HND, BEC/TEC Higher, BTEC Higher/SCOTTECH Higher	Indiv
QUALA5	Qualification: ONC/OND/BEC/TEC/BTEC not higher	Indiv
QUALA6	Qualification: City and Guilds Full Technological Certificate	Indiv
QUALA7	Qualification: City and Guilds Advanced/Final Level	Indiv
QUALA8	Qualification: City and Guilds Craft/Ordinary Level	Indiv
QUALA9	Qualification: A-levels/Higher School Certificate	Indiv
QUALA10	Qualification: AS level	Indiv
QUALA11	Qualification: SLC/SCE/SUPE at Higher Grade / Certif. of 6th Yr Studies	Indiv
QUALA12	Qualification: O-level passes taken in 1975 or earlier	Indiv
QUALA13	Qualification: O-level passes taken after 1975 GRADES A-C	Indiv
QUALA14	Qualification: O-level passes taken after 1975 GRADES D-E	Indiv
QUALA15	Qualification: GCSE GRADES A*-C	Indiv
QUALA16	Qualification: GCSE GRADES D-G	Indiv
QUALA17	Qualification: CSE GRADE 1/SCE BANDS A-C/Standard Grade LEVEL 1-3	Indiv
QUALA18	Qualification: CSE GRADES 2-5/SCE Ordinary BANDS D-E	Indiv
QUALA19	Qualification: CSE Ungraded	Indiv
QUALA20	Qualification: SLC Lower	Indiv
QUALA21	Qualification: SUPE Lower or Ordinary	Indiv
QUALA22	Qualification: School Certificate or Matric	Indiv
QUALA23	Qualification: NVQ Level 5	Indiv
QUALA24	Qualification: NVQ Level 4	Indiv
QUALA25	Qualification: NVQ Level 3/Advanced level GNVQ	Indiv
QUALA26	Qualification: NVQ Level 2/Intermediate level GNVQ	Indiv
QUALA27	Qualification: NVQ Level 1/Foundation level GNVQ	Indiv
QUALA28	Qualification: Recognised Trade Apprenticeship completed	Indiv
QUALA29	Qualification: Clerical or Commercial Qualification	Indiv
DEGREE1	Do you have a doctorate qualification?	Indiv
DEGREE2	Do you have a masters qualification?	Indiv
DEGREE3	Do you have an undergraduate or first degree qualification?	Indiv
DEGREE4	Do you have a foundation qualification?	Indiv
DEGREE5	Do you have a graduate membership or a professional institution qualification?	Indiv
DEGREE95	Do you have another post graduate degree or professional qualification?	Indiv
TOPQUAL3	(D) Highest Educational Qualification	Derived
TOPQUAL2	(D) Highest Educational Qualification - Students separate	Derived
TOPQUAL4	(D) Highest Educational Qualification, 3 groups	Derived

## Employment Status

Variable	Description	Source
HRPSOC10B	HRP: Sub-Major Group Standard Occupational Classification 2010	Hhold
HRPSIC7B	HRP: Standard Industrial Classification 2007 (grouped)	Hhold
HRPXSOC2 <sup>3</sup>	HRP: Standard Occupational Classification 2010	Hhold
HRPSIC07 <sup>4</sup>	HRP: Standard Industrial Classification 2007	Hhold
STHNSSEC	NS-SEC Operational Catagories (hrp incl students)	Hhold
HRPNSSEC	NS-SEC Operational Catagories (HRP)	Hhold
HRPES2	HRP: Employment status	Hhold
HRPACTIV	HRP: Activity status for last week	Hhold
HRPSTWK	HRP: Did you do any paid work in last 7 days ending last Sunday?	Hhold
HRP4WKLK	HRP: Looking for paid work/govt scheme in last 4 weeks ending last Sunday?	Hhold

<sup>3</sup> Variable renamed HRPSOC10B and classified into major groups in archived dataset

<sup>4</sup> Variable renamed HRPSIC7B and grouped in archived dataset



HRP2WKST	HRP: If job or training scheme available, able to start within 2 weeks?	Hhold
HRPEVERJ	HRP: Ever been in paid employment or been self-employed	Hhold
HRPOTHPD	HRP: Ever had other employment (apart from job you are waiting to take up)	Hhold
HRPLONG	HRP: How long have you been looking/were you looking for paid employment	Hhold
HRPPAYAG	HRP: Age when last had a paid job.	Hhold
HRPPYLST	HRP: Which year did you leave your last paid job?	Hhold
HRPPAYMN	HRP: Which month in that year did you leave?	Hhold
HRPFTPT	HRP: Whether working full time or part time	Hhold
HRPEMPLY	HRP: Whether an employee or self-employed	Hhold
HRPDIRCT	HRP: Whether director of a limited company	Hhold
HRPEMPST	HRP: Whether a manager or foreman	Hhold
HRPNEMPL	HRP: Number of employed at place of work (including yourself)	Hhold
HRPSNEMP	HRP: If self-employed, do/did you have any employees?	Hhold
SECTOR	HRP: Is organisation private sector, public sector or non-profit	Hhold
SHIFTA	HRP: Do you do shift work outside the hours of 7am to 7pm in your main job?	Hhold
SHIFTYPA	HRP: What type of shift pattern do you work?	Hhold
ACTIVB	Activity status for last week	Indiv
STWORK	Paid work in last 7 days	Indiv
WKLOOK4	Whether looking for any paid work or Govt Training Scheme at any time in the 4 weeks ending last Sunday	Indiv
WKSTRT2	If a job or place on Govt Training Scheme had been available, would you have been able to start within 2 weeks?	Indiv
EVERJOB	Whether ever been in paid employment or been self-employed	Indiv
OTHPAID	Ever had other employment (apart from job you are waiting to take up)	Indiv
HOWLONG	How long have you been looking/were you looking for paid employment	Indiv
PAYAGE	Age when last had a paid job	Indiv
PAYLAST	Year left last paid job	Indiv
PAYMON	Month last left paid job	Indiv
FTPTIME	Whether working full-time or part-time	Indiv
EMPLOYE	Whether employee/self employed	Indiv
DIRCTR	Whether director of a limited company	Indiv
SHIFT	Do you do shift work outside the hours of 7am to 7pm in your main job?	Indiv
SHIFTYP	What type of shift pattern do you work?	Indiv
EMPSTAT	Whether a manager or foreman	Indiv
NEMPLEE	Number of employed at place of work (including yourself)	Indiv
SNEMPLEE	If self-employed, do/did you have any employees?	Indiv
ISECTOR	Is organisation private sector, public sector or non-profit	Indiv
SEG	Socio-economic Group (old scheme)	Indiv
XSOC2010 <sup>5</sup>	Standard Occupational Classification 2010	Indiv
SIC2007 <sup>6</sup>	Standard Industrial Classification 2007	Indiv
ES2010	Employment status	Indiv
STNSSEC	NS-SEC - long version	Indiv
NSSEC	NS-SEC - long version (harmonised)	Indiv
SCLASS	Registrar General's Social Class of individual (old scheme)	Indiv
ACORNNCAT	(L) ACORN category classification (6 groups)	Linked
ACORNWBG RP	(L) ACORN wellbeing group	Linked
ECONACT	(D) Economic Status (4 groups)	Derived
ECONACT5	(D) Economic status (5 groups)	Derived
ECONACT2	(D) Economic status (2 groups)	Derived
NSSEC8	(D) NS-SEC 8 variable classification (individual)	Derived
NSSEC5	(D) NS-SEC 5 variable classification (individual)	Derived
NSSEC3	(D) NS-SEC 3 variable classification (individual)	Derived
HPNSSEC8	(D) NS-SEC 8 variable classification (hrp)	Derived
HPNSSEC5	(D) NS-SEC 5 variable classification (hrp)	Derived
HPNSSEC3	(D) NS-SEC 3 variable classification (hrp)	Derived

## Ethnicity/Identity

Variable	Description	Source
ORIGIN	Ethnic origin of individual	Indiv
RELIGSC	What is your religion?	SC 8+
NATID1	National identity: English	Indiv
NATID2	National identity: Welsh	Indiv

<sup>5</sup> Variable renamed SOC2010B and classified into major groups in archived dataset

<sup>6</sup> Variable renamed SIC2007B and grouped in archived dataset

NATID3	National identity: Scottish	Indiv
NATID4	National identity: Irish	Indiv
NATID5	National identity: British	Indiv
NATID6	National identity: Other	Indiv
YNATSC1	National identity: English (SC)	SC 8+
YNATSC2	National identity: Welsh (SC)	SC 8+
YNATSC3	National identity: Scottish (SC)	SC 8+
YNATSC4	National identity: Irish (SC)	SC 8+
YNATSC5	National identity: British (SC)	SC 8+
YNATSC6	National identity: Something else (SC)	SC 8+
SCSEXID	Which of the following options best describes how you think of yourself (sexual orientation) (SC)?	SC YP

## Income

Variable	Description	Source
SRCIN01C	Income: Earnings from employment or self-employment	Hhold
SRCIN02C	Income: State retirement pension	Hhold
SRCIN03C	Income: Pension from former employer	Hhold
SRCIN04C	Income: Personal pensions	Hhold
SRCIN05C	Income: Job-Seekers Allowance	Hhold
SRCIN06C	Income: Employment and Support Allowance	Hhold
SRCIN07C	Income: Income Support	Hhold
SRCIN08C	Income: Pension Credit	Hhold
SRCIN09C	Income: Working Tax Credit	Hhold
SRCIN10C	Income: Child Tax Credit	Hhold
SRCIN11C	Income: Child Benefit	Hhold
SRCIN12C	Income: Housing Benefit	Hhold
SRCIN13C	Income: Council Tax Benefit	Hhold
SRCIN14C	Income: Other state benefits	Hhold
SRCIN15C	Income: Interest from savings and investments (eg stocks & shares)	Hhold
SRCIN16C	Income: Other kinds of regular allowance from outside your household	Hhold
SRCIN17C	Income: No source of income	Hhold
OTHINC	Whether other income in household	Hhold
JNTINC	Joint income	Hhold
HHINC	Total household income	Hhold
EQVINC	(D) Equivalised Income	Derived
MCCLEM	(D) McClements household score for equivalised income	Derived
EQV3	(D) Equivalised Income Tertiles	Derived
EQV5	(D) Equivalised Income Quintiles	Derived
TOTINC	(D) Total Household Income	Derived
EQV5W	(D) Equivalised Weekly Income Quintiles	Derived

## Disability Allowance

Variable	Description	Source
ATTDISB1	Disability allowance: Attendance Allowance	Hhold
ATTDISB2	Disability allowance: Disability Living Allowance - care component	Hhold
ATTDISB3	Disability allowance: Disability Living Allowance - mobility component	Hhold
ATTDISB4	Disability allowance: Personal Independence Allowance - care component	Hhold
ATTDISB5	Disability allowance: Personal Independence Allowance - mobility component	Hhold
ATTDISB96	Disability allowance: None of these	Hhold
ATTDISWHO_P1	Does person P1 receive any of these allowances	Hhold
ATTDISWHO_P2	Does person P2 receive any of these allowances	Hhold
ATTDISWHO_P3	Does person P3 receive any of these allowances	Hhold
ATTDISWHO_P4	Does person P4 receive any of these allowances	Hhold
ATTDISWHO_P5	Does person P5 receive any of these allowances	Hhold
ATTDISWHO_P6	Does person P6 receive any of these allowances	Hhold
ATTDISWHO_P7	Does person P7 receive any of these allowances	Hhold
ATTDISWHO_P8	Does person P8 receive any of these allowances	Hhold
ATTDISWHO_P9	Does person P9 receive any of these allowances	Hhold
ATTDISWHO_P10	Does person P10 receive any of these allowances	Hhold
ATTDISWHO_P11	Does person P11 receive any of these allowances	Hhold
ATTDISWHO_P12	Does person P12 receive any of these allowances	Hhold
ATTDAA1_P1	Disability - Attendance allowance rate for P1 : Higher rate for attendance day & night	Hhold
ATTDAA2_P1	Disability - Attendance allowance rate for P1 : lower rate for attendance day or	Hhold





ATTDPIPC1_P9	Disability - Personal independence payment allowance mobility rate for P9 : higher rate	Hhold
ATTDPIPC2_P9	Disability - Personal independence payment allowance mobility rate for P9 : lower rate	Hhold
ATTDPIPM1_P9	Disability - Personal independence payment allowance mobility rate for P9 : higher rate	Hhold
ATTDPIPM2_P9	Disability - Personal independence payment allowance mobility rate for P9 : lower rate	Hhold
ATTDA1_P10	Disability - Attendance allowance rate for P10 : Higher rate for attendance day & night	Hhold
ATTDA2_P10	Disability - Attendance allowance rate for P10 : lower rate for attendance day or night	Hhold
ATDDLAC1_P10	Disability - Disability living allowance care rate for P10 : highest rate	Hhold
ATDDLAC2_P10	Disability - Disability living allowance care rate for P10 : middle rate	Hhold
ATDDLAC3_P10	Disability - Disability living allowance care rate for P10 : lower rate	Hhold
ATDDLAM1_P10	Disability - Disability living allowance mobility rate for P10 : higher rate	Hhold
ATDDLAM2_P10	Disability - Disability living allowance mobility rate for P10 : lower rate	Hhold
ATTDPIPC1_P10	Disability - Personal independence payment allowance mobility rate for P10 : higher rate	Hhold
ATTDPIPC2_P10	Disability - Personal independence payment allowance mobility rate for P10 : lower rate	Hhold
ATTDPIPM1_P10	Disability - Personal independence payment allowance mobility rate for P10 : higher rate	Hhold
ATTDPIPM2_P10	Disability - Personal independence payment allowance mobility rate for P10 : lower rate	Hhold
ATTDA1_P11	Disability - Attendance allowance rate for P11 : Higher rate for attendance day & night	Hhold
ATTDA2_P11	Disability - Attendance allowance rate for P11 : lower rate for attendance day or night	Hhold
ATDDLAC1_P11	Disability - Disability living allowance care rate for P11 : highest rate	Hhold
ATDDLAC2_P11	Disability - Disability living allowance care rate for P11 : middle rate	Hhold
ATDDLAC3_P11	Disability - Disability living allowance care rate for P11 : lower rate	Hhold
ATDDLAM1_P11	Disability - Disability living allowance mobility rate for P11 : higher rate	Hhold
ATDDLAM2_P11	Disability - Disability living allowance mobility rate for P11 : lower rate	Hhold
ATTDPIPC1_P11	Disability - Personal independence payment allowance mobility rate for P11 : higher rate	Hhold
ATTDPIPC2_P11	Disability - Personal independence payment allowance mobility rate for P11 : lower rate	Hhold
ATTDPIPM1_P11	Disability - Personal independence payment allowance mobility rate for P11 : higher rate	Hhold
ATTDPIPM2_P11	Disability - Personal independence payment allowance mobility rate for P11 : lower rate	Hhold
ATTDA1_P12	Disability - Attendance allowance rate for P12 : Higher rate for attendance day & night	Hhold
ATTDA2_P12	Disability - Attendance allowance rate for P12 : lower rate for attendance day or night	Hhold
ATDDLAC1_P12	Disability - Disability living allowance care rate for P12 : highest rate	Hhold
ATDDLAC2_P12	Disability - Disability living allowance care rate for P12 : middle rate	Hhold
ATDDLAC3_P12	Disability - Disability living allowance care rate for P12 : lower rate	Hhold
ATDDLAM1_P12	Disability - Disability living allowance mobility rate for P12 : higher rate	Hhold
ATDDLAM2_P12	Disability - Disability living allowance mobility rate for P12 : lower rate	Hhold
ATTDPIPC1_P12	Disability - Personal independence payment allowance mobility rate for P12 : higher rate	Hhold
ATTDPIPC2_P12	Disability - Personal independence payment allowance mobility rate for P12 : lower rate	Hhold
ATTDPIPM1_P12	Disability - Personal independence payment allowance mobility rate for P12 : higher rate	Hhold
ATTDPIPM2_P12	Disability - Personal independence payment allowance mobility rate for P12 : lower rate	Hhold

## Nurse Admin

Variable	Description	Source
NRFNO*	Nurse Number	Nurse
NUROUTC	Outcome of nurse visit	Nurse
NURSE	Agreed to nurse appointment (at individual interview)	Indiv
NRSERF00	Refused nurse: Own doctor already has information	Indiv
NRSERF01	Refused nurse: Given enough time already to this survey/expecting too much	Indiv

\* Removed from dataset due to reasons of confidentiality

NRSERF02	Refused nurse: Too busy, cannot spare the time	Indiv
NRSERF03	Refused nurse: Had enough of medical tests/medical profession at present time	Indiv
NRSERF04	Refused nurse: Worried about what nurse may find out	Indiv
NRSERF05	Refused nurse: Scared of medical profession/ particular medical procedures	Indiv
NRSERF06	Refused nurse: Not interested/Can't be bothered/No particular reason	Indiv
NRSERF07	Refused nurse: Other reason	Indiv
VISDAY*	Date of nurse interview, day	Nurse
VISMON	Date of nurse interview, month	Nurse
VISYEAR*	Date of nurse interview, year	Nurse
QRTNVIS	(D) Quarter of year of nurse visit interview	Derived
NURDAYW	(D) Weekday of nurse interview	Derived

## Relationships

Variable	Description	Source
MARITALD	Marital status	Hhold
MARSTATD	(D) marital status including cohabittees	Derived
MARSTATQ	(D) marital status including cohabittees(including civil partnership category)	Derived
COUPLE	Living with anyone in this household	Hhold
LEGPARG	Parent/legal guardian in hhold	Hhold
PAR1	Child's parent or legal responsibility for him/her	Hhold
PAR2	Other parent or legally responsible for him/her	Hhold
LIVEWITH	Cohabitee	Hhold
RELTO01	Relationship to person 1	Hhold
RELTO02	Relationship to person 2	Hhold
RELTO03	Relationship to person 3	Hhold
RELTO04	Relationship to person 4	Hhold
RELTO05	Relationship to person 5	Hhold
RELTO06	Relationship to person 6	Hhold
RELTO07	Relationship to person 7	Hhold
RELTO08	Relationship to person 8	Hhold
RELTO09	Relationship to person 9	Hhold
RELTO10	Relationship to person 10	Hhold
RELTO11	Relationship to person 11	Hhold
RELTO12	Relationship to person 12	Hhold
RELTOHRP	Relationship to household reference person	Hhold
NATPR1	(D) relationship of child to parent or guardian	Derived
NATPR2	(D) relationship of child to parent or guardian	Derived

## Sample Info

Variable	Description	Source
SAMPTYPE <sup>7</sup>	Sample type	Sample
TYPDWELL*	Dwelling type	ARF
URBAN	(D) Rurality of dwelling unit	Derived
URINDEW*	Urban/Rural Indicator	Sample
QIMD	(D) Quintile of IMD SCORE	Derived
GOR1	Government Office Region - numeric	Hhold
SHA	Strategic Health Authority (OSHLTHAU)	Hhold
POINT <sup>8</sup>	Sample point number	Hhold
ADDRESS <sup>9</sup>	Address number	Sample
HHOLD	Household number	Sample
STRATA <sup>10</sup>	Stratification level	Indiv
NOFHH	Number of households	ARF
PCTSPEAR	(D) PCT spearhead indicator for new PCTs	Derived
AREA	Sample point	Sample

## Weighting

Variable	Description	Source
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<sup>7</sup> There is only one sample type in 2013, as no boost samples were included.

<sup>8</sup> Variable scrambled and renamed PSU in archived dataset.

<sup>9</sup> Variable scrambled and renamed ADDNUM in archived dataset.

<sup>10</sup> Variable scrambled and renamed CLUSTER in archived dataset.

\* Removed from dataset due to reasons of confidentiality

WT_HHOLD	HSE 2013 Weight for analysis of household sample	Other
WT_INT	HSE 2013 Weight for analysis of interview sample	Other
WT_NURSE	HSE 2013 Weight for analysis of nurse sample	Other
WT_BLOOD	HSE 2013 Weight for analysis of blood sample	Other
WT_COTININE	HSE 2013 Weight for analysis of cotinine sample	Other

# Anthropometric Measurements

Birth		
Variable	Description	Source
PRMATURE	Whether born prematurely	Indiv
PRWEEKS	If premature, number of weeks born early	Indiv
PREGNOWB	Whether pregnant now	Indiv

Height/Weight Admin		
Variable	Description	Source
RESPHTS	Response to height measurement	Indiv
RESNHI	Reason for refusal of height.	Indiv
EHTCH	Non proxy: Form in which estimated height given	Indiv
NOHTBC	Reason for not obtaining height measurement	Indiv
RELHITE	Is this height measurement reliable?	Indiv
HINREL	What caused the height measurement to be unreliable?	Indiv
RESPWTS	Response to weight measurement	Indiv
RESNWT	Refusal of weight measurement	Indiv
NOWTBC	Reason for not obtaining weight measurement	Indiv
EWTCH	Form in which estimated weight given	Indiv
FLOORC1	Scales placed on uneven floor	Indiv
FLOORC2	Scales placed on carpet	Indiv
FLOORC3	Scales placed on none of these	Indiv
RELWAITB	Is this weight measurement reliable?	Indiv
STADNO	Serial number of stadiometer	Indiv
SCLNO	Serial number of scales	Indiv
HTOK	(D) Whether height measure is valid	Derived
WTOK	(D) Whether weight measure is valid	Derived
BMIOK	(D) Whether bmi measure is valid	Derived

Measurements		
Variable	Description	Source
HEIGHT	Height (cm) inc unreliable measurements	Indiv
HTSR	Self-reported height (cm)	Indiv
WEIGHT	Weight (kg) - inc unreliable measurements	Indiv
WTSR	Self-reported weight (kg)	Indiv
BIRTHWT	Birth weight (kg)	Indiv
WAIST1	Waist 1 <sup>st</sup> measurement (cm)	Nurse
HIP1	Hip 1 <sup>st</sup> measurement (cm)	Nurse
WAIST2	Waist 2 <sup>nd</sup> measurement (cm)	Nurse
HIP2	Hip 2 <sup>nd</sup> measurement (cm)	Nurse
WAIST3	Waist 3 <sup>rd</sup> measurement (cm)	Nurse
HIP3	Hip 3 <sup>rd</sup> measurement (cm)	Nurse
HTVAL	(D) Valid height (cm)	Derived
WTVAL	(D) Valid weight (Kg) inc. estimated>130kg	Derived
WTVAL2	(D) Valid weight (Kg) inc. estimated>200kg	Derived
WSTVAL	(D) Valid Mean Waist (cm)	Derived
HIPVAL	(D) Valid Mean Hip (cm)	Derived
BMLOWGT	(D) Overweight, incl obese, binary	Derived
BMISR	(D) Self-reported BMI	Derived
BMISRG5	(D) Self-reported BMI (grouped:<18.5,18.5-25,25-30,30-40 40+)	Derived
BMI	(D) BMI - inc unreliable measurements	Derived
BMIVAL	(D) Valid BMI measurements using estimated weight if >130kg	Derived
BMIVAL2	(D) Valid BMI measurements using estimated weight if >200kg	Derived
BMIVG5	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) using estimated weight if >130kg	Derived
BMIVG52	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) using estimated weight if >200kg	Derived
BMIVG53	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-35,35+) estimated weight if >200kg	Derived
BMIVG3	(D) BMI grouped combining underweight and normal, overweight and combining obese and morbidly obese	Derived



BMIVG6	(D) BMI grouped with Obese categories I, II, III	Derived
BMI_GROUP	(D) BMI grouped excluding underweight and combining obese and morbidly obese	Derived
BMICAT1	(D) UK BMI national classification standards Age 2-15 (85th/95th centile) 2008	Derived
BMICAT2	(D) BMI status Age 2-15 (ovrgh inc. obese) 2008	Derived
BMICAT3	(D) BMI status Age 2-15 (non-obese vs obese) 2008	Derived
TOOLIGHT	(D) Whether too light	Derived
WHVAL	(D) Valid Mean Waist/Hip ratio	Derived
MENWHGP	(D) Male waist hip ratio groups (adults)	Derived
MENWHHI	(D) Male high waist hip ratio	Derived
WOMWHGP	(D) Female waist hip ratio groups	Derived
WOMWHHI	(D) Female high waist hip ratio	Derived
WAISTHI	(D) Raised waist measurement over 102cm for men and 88cm for women	Derived
WSTGP3	(D) waist circumference in 3 groups (valid waist)	Derived
WAIST	D) Waist circumference, defined by NICE (3 groups, based on valid waist and BMIVG6)	Derived
OHTHRISK	(D) Health risk classifications based on body mass index (BMI) and waist circumference (as defined by NICE)	Derived
OHTHRISKG	(D) Health risk classifications based on body mass index (BMI) and waist circumference, grouped (as defined by NICE)	Derived

## Waist/Hip Admin

Variable	Description	Source
WHINTRO	Consent to waist/hip measurements	Nurse
RESPWH	Response to waist/hip measurements	Nurse
YNOWH	Reason no waist/hip measurements	Nurse
WHPNABM1	No waist/hip: Respondent is chairbound	Nurse
WHPNABM2	No waist/hip: Respondent is confined to bed	Nurse
WHPNABM3	No waist/hip: Respondent is too stooped	Nurse
WHPNABM4	No waist/hip: Respondent did not understand the procedure	Nurse
WHPNABM5	No waist/hip: Respondent is embarrassed/sensitive about their size	Nurse
WHPNABM6	No waist/hip: No time/busy/already spent enough time on this survey	Nurse
WHPNABM7	No waist/hip: Other reason	Nurse
WHPNABM8	No waist/hip: Measurement tape not long enough	Nurse
WJREL	Whether problems with waist measurement	Nurse
PROBWJ	Problems experienced likely to increase/decrease waist measurement	Nurse
HJREL	Whether problems with hip measurement	Nurse
PROBHJ	Problems likely to increase/decrease waist measurement	Nurse
WSTOKB	(D) Whether waist measurements are valid	Derived
HIPOKB	(D) Whether hip measurements are valid	Derived
WHOKB	(D) Whether waist/hip measure is valid	Derived

## Self Perception of Weight

Variable	Description	Source
ADLTWGT	How views own weight – adults 16+	SC 16+
ADLTDIET	Whether trying to lose or gain weight – adults 16+	SC 16+
C1PNO	Person no. of child 1	SC 16+
C1WGT	Weight of child 1	SC 16+
C2PNO	Person no. of child 2	SC 16+
C2WGT	Weight of child 2	SC 16+
SAYWGT	How views own weight – child 8-15	SC 8-15
SAYDIET	Whether trying to lose or gain weight – child 8-15	SC 8-15

# Blood Sample

Admin		
Variable	Description	Source
BSOUTC	Outcome of blood sample	Nurse
BSOUTE	(D) Blood Sample Outcome	Derived
CLOTB	Whether has clotting disorder	Nurse
FIT	Whether ever had a fit	Nurse
BSWILL	Consent to blood sample	Nurse
REFBSC1	Refused blood sample: Previous difficulties with venepuncture	Nurse
REFBSC2	Refused blood sample: Dislike/fear of needles	Nurse
REFBSC3	Refused blood sample: Respondent recently had blood test/health check	Nurse
REFBSC4	Refused blood sample: Refused because of current illness	Nurse
REFBSC5	Refused blood sample: Worried about HIV or AIDS	Nurse
REFBSC6	Refused blood sample: Other	Nurse
RESPILL	Whether had a cough, cold or flu in the last month (only asked during interview period Jan-Mar 2013)	Nurse
SAMPFA1	Plain red tube filled (Apr-Sept)	Nurse
SAMPFB1	Plain red tube filled (Oct-Mar)	Nurse
SAMPF2	EDTA purple tube filled	Nurse
SAMPTAK	Blood sample outcome:	Nurse
SAMPARM	Which arm the blood was taken:	Nurse
SAMDIFC1	Blood sample prob: No problem	Nurse
SAMDIFC2	Blood sample prob: Incomplete sample	Nurse
SAMDIFC3	Blood sample prob: Collapsing/poor veins	Nurse
SAMDIFC4	Blood sample prob: Second attempt necessary	Nurse
SAMDIFC5	Blood sample prob: Some blood obtained, but respondent felt faint/fainted	Nurse
SAMDIFC6	Blood sample prob: Unable to use tourniquet	Nurse
SAMDIFC7	Blood sample prob: Other	Nurse
NOBSC1	No blood obtained: No suitable or no palpable vein/collapsed veins	Nurse
NOBSC2	No blood obtained: Respondent was too anxious/nervous	Nurse
NOBSC3	No blood obtained: Respondent felt faint/fainted	Nurse
NOBSC4	No blood obtained: Other	Nurse
GPSAM	Registered with GP	Nurse
SENDSAM	Permission to send results of blood sample to GP	Nurse
SENSAC1	Blood sample not to GP: Hardly/never sees GP	Nurse
SENSAC2	Blood sample not to GP: GP recently took blood sample	Nurse
SENSAC3	Blood sample not to GP: Does not want to bother GP	Nurse
SENSAC4	Blood sample not to GP: Other	Nurse
CONSTORB	Consent to store blood for future analysis	Nurse
SNDRSAM	Whether wants results of blood sample	Nurse
CHOLOK2	(D) Response to Total Cholesterol sample	Derived
HDLOK2	(D) Response to HDL Cholesterol sample	Derived
GLYHBOK	(D) Response to Glycated HB sample	Derived

Measurements		
Variable	Description	Source
CHOLEST	Total cholesterol result mmol/L (Blood data)	Lab
CHOLQUAL	Total cholesterol serum quality (Blood data)	Lab
CHOLVAL2	(D) Valid Total Cholesterol result {revised}	Derived
CHOLVAL12	(D) Valid Cholesterol result (incl those on LLD) {revised}	Derived
CHOLFOUR2	(D) Whether Total Cholesterol < 4 (incl those on LLD) {revised}	Derived
CHOLFIVE2	(D) Whether Total Cholesterol < 5 (incl those on LLD) {revised}	Derived
HDLCHOL	HDL Cholesterol result (Blood data)	Lab
HDLQUAL	HDL Cholesterol serum quality (Blood data)	Lab
HDLVAL2	(D) Valid HDL Cholesterol result {revised}	Derived
HDLVAL12	(D) Valid HDL Cholesterol result (incl those on LLD) {revised}	Derived
HDLONE2	(D) Whether HDL Cholesterol < 1 (incl those on LLD) {revised}	Derived
GLYHB	Glycated haemoglobin result (%) (Blood data)	Lab
GLHBQUAL	Glycated haemoglobin serum quality (Blood data)	Lab
GLYHBVAL	(D) Valid Glycated haemoglobin result (%)	Derived
GLYHB3G	(D) Glycated haemoglobin (%) 3 groups	Derived
GLYHBHI	(D) Raised glycated haemoglobin (%)	Derived
IFCCA1	Glycated haemoglobin result (mmol/ml) (Blood data)	Lab
IFCCA1Q	Glycated haemoglobin serum quality (mmol/ml) (Blood data)	Lab

IFFCVAL	(D) Valid glycated haemoglobin result in mmol per ml (IFFC)	Derived
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# Blood Pressure

## Admin

Variable	Description	Source
BPOUTC	Blood Pressure Outcome	Nurse
BPCONST	Consent to give BP measurement	Nurse
CONSBX11	Eaten in last 30 mins	Nurse
CONSBX12	Smoked in last 30 mins	Nurse
CONSBX13	Drunk alcohol in last 30 mins	Nurse
CONSBX14	Exercised vigorously in last 30 mins	Nurse
CONSBX15	Nothing to effect BP in last 30 mins	Nurse
CON60SB1	Eaten in the past 60 minutes	Nurse
CON60SB2	Smoked in the past 60 minutes	Nurse
CON60SB3	Drunk alcohol in the past 60 minutes	Nurse
CON60SB4	Exercised vigorously in the past 60 minutes	Nurse
CON60SB5	Nothing to affect BP in the past 60 minutes	Nurse
CONSU2X1	Eaten in the past 30 minutes (age 5-12)	Nurse
CONSU2X4	Exercised vigorously in the past 30 minutes (age 5-12)	Nurse
CONSU2X5	Neither in the past 30 minutes (age 5-12)	Nurse
CON60S21	Eaten in the past 60 minutes (age 5-12)	Nurse
CON60S24	Exercised vigorously in the past 60 minutes (age 5-12)	Nurse
CON60S25	Neither in the past 60 minutes (age 5-12)	Nurse
OMRONNO	Omron serial no	Nurse
CUFSIZE	Cuff size used	Nurse
AIRTEMP	Air temperature	Nurse
FULL1	Reliability of 1st set of BP readings	Nurse
FULL2	Reliability of 2nd set of BP readings	Nurse
FULL3	Reliability of 3rd set of BP readings	Nurse
YNOBP	Reason no BP measurements taken	Nurse
RESPBPS	Response to BP measurements	Nurse
NATTBP00	BP not obtained: Problems with PC	Nurse
NATTBP01	BP not obtained: Respondent upset/anxious/nervous	Nurse
NATTBP02	BP not obtained: Error reading	Nurse
NATTBP03	BP not obtained: Respondent too shy	Nurse
NATTBP04	BP not obtained: Child would not sit still	Nurse
NATTBP05	BP not obtained: Problems with cuff fitting/painful	Nurse
NATTBP06	BP not obtained: Problems with equipment	Nurse
NATTBP95	BP not obtained: Other reason	Nurse
DIFBPC01	BP problems: No problems taking blood pressure	Nurse
DIFBPC02	BP problems: Reading on left arm as right arm not suitable	Nurse
DIFBPC03	BP problems: Respondent was anxious/upset/nervous	Nurse
DIFBPC04	BP problems: Problem with cuff fitting/painful	Nurse
DIFBPC05	BP problems: Omron problem (not error reading)	Nurse
DIFBPC06	BP problems: Omron error reading	Nurse
DIFBPC95	BP problems: Other problem	Nurse
GPREGB	Whether registered with a GP	Nurse
GPSEND	Consent to send BP readings to GP	Nurse
GPREFC1	BP not to GP: Hardly/never sees GP	Nurse
GPREFC2	BP not to GP: GP knows respondents BP	Nurse
GPREFC3	BP not to GP: Does not want to bother GP	Nurse
GPREFC4	BP not to GP: Other reason	Nurse
BPRESPEC	(D) Whether BP readings are valid	Derived

## Measurements

Variable	Description	Source
SYS1OM	1st Systolic reading(mmHg)	Nurse
DIAS1OM	1st Diastolic reading(mmHg)	Nurse
PULS1OM	1st pulse reading(bpm)	Nurse
MAP1OM	1st MAP reading(mmHg)	Nurse
SYS2OM	2nd Systolic reading(mmHg)	Nurse
DIAS2OM	2nd Diastolic reading(mmHg)	Nurse
PULS2OM	2nd pulse reading(bpm)	Nurse
MAP2OM	2nd MAP reading(mmHg)	Nurse
SYS3OM	3rd Systolic reading(mmHg)	Nurse

DIAS3OM	3rd Diastolic reading(mmHg)	Nurse
PULS3OM	3rd pulse reading(bpm)	Nurse
MAP3OM	3rd MAP reading(mmHg)	Nurse
OMDIAS	(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid	Derived
OMSYST	(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid	Derived
OMMAP	(D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid	Derived
OMPULS	(D) Omron Pulse pressure, systolic-diastolic inc. invalid	Derived
OMDIAVAL	(D) Omron Valid Mean Diastolic BP	Derived
OMSYSVAL	(D) Omron Valid Mean Systolic BP	Derived
OMMAPVAL	(D) Omron Valid Mean Arterial Pressure	Derived
OMPULVAL	(D) Omron Valid Pulse Pressure	Derived
HYPER1OM2	(D) Hypertensive catagories: all prescribed drugs for BP (Omron readings) {revised}	Derived
HYPER2OM2	(D) Hypertensive catagories: all taking BP drugs (Omron readings) {revised}	Derived
HY140OM2	(D) Hypertensive catagories: 140/90: all prescribed drugs for BP (Omron readings) {revised}	Derived
HIBP1OM2	(D) Whether hypertensive: all prescribed drugs for BP (Omron readings) {revised}	Derived
HIBP2OM2	(D) Whether hypertensive: all taking BP drugs (Omron readings) {revised}	Derived
HBP140OM2	(D) Whether hypertensive: 140/90: all prescribed drugs for BP (Omron readings) {revised}	Derived
BPHI3G	(D) Valid blood pressure 3 groups	Derived
HBP160OM2	(D) Hypertensive untreated (160/100): all prescribed drugs for BP (Omron readings) {revised}	Derived

# Drinking

## Adult General

Variable	Description	Source
WHYTT	Reason why stopped drinking	Indiv
DDRINKAG	Age first alcoholic drink	SC YP
DNNOW	Whether drinks nowadays	Indiv/SC YP
DNANY	Whether drinks occasionally or never drinks	Indiv/SC YP
DNEVR	Whether always non-drinker	Indiv/SC YP
DNOFT	Frequency drank any alcoholic drink last 12 mths	Indiv/SC YP
DNOFT3	(D) Frequency drink alcohol in past 12 months: including non-drinkers	Derived
DRINKYN	(D) Drink alcohol in last 12 months, binary	Derived
NORBOT	(D) Normal beer bottle multiplier (16yrs+)	Derived
STRBOT	(D) Strong beer bottle multiplier (16yrs+)	Derived

## Adult 7 Days

Variable	Description	Source
DRNKSAME	Whether drank more on a particular day in last 7 days	Indiv
WHICHDAY	Which day drank most in last 7	Indiv
DRAMOUNT	Drink now compared to 5 years ago	Indiv
D7DAY	Whether had drink in last 7 days (c+sc)	Indiv/SC YP
D7MANY	How many days in last 7 had a drink (c+sc)	Indiv/SC YP
D7TYP1	Heaviest day: Normal Beer (c+sc)	Indiv/SC YP
D7TYP2	Heaviest day: Strong Beer (c+sc)	Indiv/SC YP
D7TYP3	Heaviest day: Spirits (c+sc)	Indiv/SC YP
D7TYP4	Heaviest day: Sherry (c+sc)	Indiv/SC YP
D7TYP5	Heaviest day: Wine (c+sc)	Indiv/SC YP
D7TYP6	Heaviest day: Alcopops (c+sc)	Indiv/SC YP
NBRL71	Heaviest day normal beer: Half pints	Indiv
NBRL72	Heaviest day normal beer: Small cans	Indiv
NBRL73	Heaviest day normal beer: Large cans	Indiv
NBRL74	Heaviest day normal beer: Bottles	Indiv
NBERQHP7	Amount normal beer (half pints) on heaviest day	Indiv
NBERQSM7	Amount normal beer (small cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
NBERQLG7	Amount normal beer (large cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
NBERQPT7	Amount normal beer (pints) on heaviest day	SC YP
NBERQBT7	Amount normal beer (bottles) on heaviest day	Indiv
L7NCODEQ	Normal beer bottle size (pints) - heaviest day	Indiv
SBRL71	Heaviest day strong beer: Half pints	Indiv
SBRL72	Heaviest day strong beer: Small cans	Indiv/SC YP
SBRL73	Heaviest day strong beer: Large cans	Indiv/SC YP
SBRL74	Heaviest day strong beer: Bottles	Indiv
SBERQHP7	Amount strong beer (half pints) on heaviest day	Indiv
SBERQSM7	Amount strong beer (small cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
SBERQLG7	Amount strong beer (large cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
SBERQPT7	Amount strong beer (pints) on heaviest day	SC YP
SBERQBT7	Amount strong beer (bottles) on heaviest day	Indiv
L7SCODEQ	Strong beer bottle size (pints) - heaviest day	Indiv
SPIRQME7	Amount spirits (measures) on heaviest day (c+sc)	Indiv/SC YP
SHERQGS7	Amount sherry (glasses) on heaviest day (c+sc)	Indiv/SC YP
WGLS250ML	Amount wine (250ml glasses) on heaviest day (c+sc)	Indiv/SC YP
WGLS175ML	Amount wine (175ml glasses) on heaviest day (c+sc)	Indiv/SC YP
WGLS125ML	Amount wine (125ml glasses) on heaviest day (c+sc)	Indiv/SC YP
WBTLGZ	Amount wine (125ml glasses from a bottle) on heaviest day (c+sc)	Indiv/SC YP
POPSL7Q1	Amount of alcopops (small cans/bottles) on heaviest day in last 7	Indiv
POPSL7Q3	Amount of alcopops standard bottles (125ml) on heaviest day in last 7	Indiv
POPSL7Q4	Amount of alcopops large bottles(700ml) on heaviest day in last 7	Indiv
DP7SCAN	Amount of alcopops (small cans/bottles) on heaviest day in last 7	SC YP
DP7SBTL	Amount of alcopops small cans/bottles on heaviest day in last 7(sc)	SC YP
DP7LBTL	Amount of alcopops large bottles(700ml) on heaviest day in last 7	SC YP
POPSQSM7	Amount alcopops (small cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
POPSQLG7	Amount alcopops (large bottles) on heaviest day (c+sc)	Indiv/SC YP
D7MANY3	(D) Number of days drank in last week, including none	Derived

D7UNITWG	(D) Units drunk on heaviest day in last 7 (16yrs+)	Derived
D7UNITWGRP	(D) units drunk on heaviest day in last 7 (16yrs+)	Derived
WDRINK07B	(D) Women number of units	Derived
MDRINK07B	(D) Men number of units	Derived
ALCLIMIT07B	(D) Alcohol units - limits based on (variable d7unitwgrp ) units per day	Derived
D7BEERU	Bp7sbtlnormal beer on heaviest day	Derived
D7SBU	(D) Units of strong beer on heaviest day	Derived
D7SPIRU	(D) Units of spirits on heaviest day	Derived
D7WINU	(D) Units of wine on heaviest day	Derived
D7SHERU	(D) Units of sherry on heaviest day	Derived
D7POPU	(D) Units of alcopops on heaviest day	Derived

## Adult 12 Months

Variable	Description	Source
NBEER	Freq of drinking normal beer etc over last 12 months	Indiv
NBEERM1	12 months normal beer: Half pints	Indiv
NBEERM2	12 months normal beer: small cans	Indiv
NBEERM3	12 months normal beer: Large cans	Indiv
NBEERM4	12 months normal beer: Bottles	Indiv
NBEERQ1	Amount of normal beer etc usually drunk on any one day (half pints)	Indiv
NBEERQ2	Amount of normal beer etc usually drunk on any one day (small cans)	Indiv
NBEERQ3	Amount of normal beer etc usually drunk on any one day (large cans)	Indiv
NBEERQ4	Amount of normal beer etc usually drunk on any one day on any one day (bottles)	Indiv
SBEER	Freq of drinking strong beer etc over last 12 months	Indiv
SBEERM1	12 months strong beer: Half pints	Indiv
SBEERM2	12 months strong beer: small cans	Indiv
SBEERM3	12 months strong beer: Large cans	Indiv
SBEERM4	12 months strong beer: Bottles	Indiv
SBEERQ1	Amount of strong beer etc usually drunk on any one day (half pints)	Indiv
SBEERQ2	Amount of strong beer etc usually drunk on any one day (small cans)	Indiv
SBEERQ3	Amount of strong beer etc usually drunk on any one day (large cans)	Indiv
SBEERQ4	Amount of strong beer etc usually drunk on any one day (bottles)	Indiv
SPIRITS	Freq of drinking spirits over last 12 months	Indiv
SPIRITSQ	Amount of spirits usually drunk (single measures)	Indiv
SHERRY	Freq of drinking sherry over last 12 months	Indiv
SHERRYQ	Amount of sherry usually drunk (small glasses)	Indiv
WINE	Freq of drinking wine over last 12 months	Indiv
WINEQ	Amount of wine usually drunk on any one day	Indiv
BWINEQ2	12 months wine: size of glass	Indiv
POPS	Freq of drinking alcopops over last 12 months	Indiv
POPSLY11	12 months alcopops: small cans	Indiv
POPSLY12	12 months alcopops: standard bottles (275ml)	Indiv
POPSLY13	12 months alcopops: large bottles (700ml)	Indiv
POPSQ111	Amount of alcopops usually drunk on any one day (small cans)	Indiv
POPSQ112	Amount of alcopops usually drunk on any one day (standard bottles)	Indiv
POPSQ113	Amount of alcopops usually drunk on any one day (large bottles)	Indiv
SCNBEER	Freq of drinking normal beer etc over last 12 months	SC YP
SCNBEEQ1	Amount of normal beer etc usually drunk (pints)	SC YP
SCNBEEQ2	Amount of normal beer etc usually drunk (large cans or bottles)	SC YP
SCNBEEQ3	Amount of normal beer etc usually drunk (small cans or bottles)	SC YP
SCSBEER	Freq of drinking strong beer etc over last 12 months	SC YP
SCSBEEQ1	Amount of strong beer etc usually drunk (pints)	SC YP
SCSBEEQ2	Amount of strong beer etc usually drunk (large cans or bottles)	SC YP
SCSBEEQ3	Amount of strong beer etc usually drunk (small cans or bottles)	SC YP
SCSPIRIT	Freq of drinking spirits over last 12 months	SC YP
SCSPIRQ	Amount of spirits usually drunk (glasses)	SC YP
SCSHERRY	Freq of drinking sherry over last 12 months	SC YP
SCSHERRQ	Amount of sherry usually drunk (glasses)	SC YP
SCWINE	Freq of drinking wine over last 12 months	SC YP
SCWINEQ1	Amount of wine usually drunk (large glasses)	SC YP
SCWINEQ2	Amount of wine usually drunk (standard glasses)	SC YP
SCWINEQ3	Amount of wine usually drunk (small glasses)	SC YP
SCWINEQ4	Amount of wine usually drunk (bottles)	SC YP
SCPOPS	Freq of drinking alcopops over last 12 months	SC YP
SCPOPSQ1	Amount of alcopops usually drunk (large bottles)	SC YP
SCPOPSQ2	Amount of alcopops usually drunk (standard bottles)	SC YP

SCPOPSQ3	Amount of alcopops usually drunk (small cans)	SC YP
NBEERWU	(D) Units of normal beer/week	Derived
SBEERWU	(D) Units of strong beer/week	Derived
SPIRWU	(D) Units of spirits/week	Derived
SHERWU	(D) Units of sherry/week	Derived
WINEWU	(D) Units of wine/week	Derived
POPSWU	(D) Units of alcopops/week	Derived
TOTALWU	(D) Total units of alcohol/week	Derived
TOTALWUG	(D) Alcohol units per week grouped	Derived
ALCBASE	(D) Alcohol consumption rating units/week	Derived
ALCBSMT	(D) Alcohol consumption: men	Derived
ALCBSWT	(D) Alcohol consumption: women	Derived
MENWUG	(D) Weekly alcohol consumption: men	Derived
MENWUGg2	(D) Weekly alcohol consumption for men, 3 groups	Derived
WOMENWUG	(D) Weekly alcohol consumption: women	Derived
WOMENWUGg2	(D) Weekly alcohol consumption for Women, 3 groups	Derived

## Children 8-15

Variable	Description	Source
ADRPPOP	Ever had proper alcoholic drink (age 8-12, 13-15)	SC 8-15
ADRPPOS	Ever had alcopops (age 8-12, 13-15)	SC 8-15
ADRINKAG	Age first alcoholic drink (age 8-12, 13-15)	SC 8-15
ADRINKOF	How often alcoholic drink (age 8-12, 13-15)	SC 8-15
ADRLAST	When last had alcoholic drink (age 8-12, 13-15)	SC 8-15

## Children 13-15

Variable	Description	Source
ABER2W	Have you drunk beer (age 13-15)	SC 13-15
ABER2QPT	Pints beer drunk in last 7 days (age 13-15)	SC 13-15
ABER2QLG	Large cans, bottles of beer drunk in last 7 days (age 13-15)	SC 13-15
ABER2QSM	Small cans, bottle of beer drunk in last 7 days (age 13-15)	SC 13-15
ASPIRW	Spirits or liqueurs drunk in last 7 days (age 13-15)	SC 13-15
ASPIRQGS	Glasses of spirits and liqueurs drunk in last 7 days (age 13-15)	SC 13-15
ASHERW	Sherry drunk in last 7 days (age 13-15)	SC 13-15
ASHERQGS	Glasses of sherry or martini drunk in last 7 days (age 13-15)	SC 13-15
AWINEW	Have you drunk wine (age 13-15)	SC 13-15
AWINEQGS	How many glasses of wine in last 7 days (age 13-15)	SC 13-15
APOPSW	Alcoholic 'pops' drinks in last 7 days (age 13-15)	SC 13-15
APOPSQLG	Large cans or bottles of alcoholic pops drinks in last 7 days (age 13-15)	SC 13-15
APOPSQSM	Small cans or bottles of alcoholic pops drinks in last 7 days (age 13-15)	SC 13-15
ADRKWQ08	(D) Total units of alcohol in last 7 days (13-15yrs)	Derived
ADRKWQ08G	(D) Total units of alcohol in last 7 days (13-15yrs) grouped	Derived
ABER2WC	(D) Drunk beer in last 7 days - inc. non-drinkers	Derived
ASPIRWC	(D) Drunk spirits in last 7 days - inc. non-drinkers	Derived
ASHERWC	(D) Drunk sherry in last 7 days - inc. non-drinkers	Derived
AWINEWC	(D) Drunk wine in last 7 days - inc. non-drinkers	Derived
APOPSWC	(D) Drunk alcopops in last 7 days - inc. non-drinkers	Derived



# Eye Care

## General eyesight

Variable	Description	Source
IVISION	Ever wear glasses or contact lenses	Indiv
HEEYE	Self reported eyesight	Indiv
HEEYE2	(D) Self reported eye sight grouped (3 groups)	Derived
SEECLO	Whether have difficulty seeing ordinary newsprint at arms length	Indiv
SEEDIS	Whether have difficulty clearly seeing someone's face across a room	Indiv
SEELIM	Frequency eyesight limits activities	Indiv
SEELIM2	(D) Frequency activities are limited by eye sight, grouped (binary)	Derived

## Certified conditions

Variable	Description	Source
CERTBLND	Whether certified partially sighted or blind	Indiv
BLIND	(D) Certified blind or partially sighted grouped (binary)	Derived
CERTCOND_1	Blindness/partial sightedness due to: Age related macular degeneration	Indiv
CERTCOND_2	Blindness/partial sightedness due to: Cataract	Indiv
CERTCOND_3	Blindness/partial sightedness due to: Diabetic retinopathy	Indiv
CERTCOND_4	Blindness/partial sightedness due to: Glaucoma	Indiv
CERTCOND_5	Blindness/partial sightedness due to: Stroke or other neurological condition	Indiv
CERTCOND_6	Blindness/partial sightedness due to: Other condition	Indiv

## Use of eye services

Variable	Description	Source
EYEFT	Frequency of eye tests	Indiv
EYEFT2	(D) Frequency of eye tests, grouped (binary)	Derived
EYEHOSP	Whether currently attend eye hospital/clinic for treatment	Indiv
LASTTEST	Where had latest eye test (other than eye hospital/clinic)	Indiv
CATARACT	Whether had surgery for cataracts	Indiv

## Doctor/Optician diagnosed conditions

Variable	Description	Source
OCULAR_1	Doctor/optician diagnosed condition: Macular degeneration	Indiv
OCULAR_2	Doctor/optician diagnosed condition: Cataract	Indiv
OCULAR_3	Doctor/optician diagnosed condition: Diabetes related eye disease/Diabetic retinopathy	Indiv
OCULAR_4	Doctor/optician diagnosed condition: Glaucoma or suspected glaucoma	Indiv
OCULAR_5	Doctor/optician diagnosed condition: Injury or trauma resulting in loss of vision	Indiv
OCULAR_6	Doctor/optician diagnosed condition: Other serious eye condition	Indiv
OCULAR_96	Doctor/optician diagnosed condition: None of these	Indiv

# Fruit and vegetable consumption

Fruit and Vegetable Consumption		
Variable	Description	Source
VEGSAL	Whether ate salad yesterday	Indiv
VEGSALQ	Number of bowls of salad eaten yesterday	Indiv
VEGPUL	Were pulses eaten yesterday	Indiv
VEGPULQ	Number of tablespoons of pulses eaten yesterday	Indiv
VEGVEG	Were any vegetables eaten yesterday	Indiv
VEGVEGQ	Number of tablespoons of vegetables eaten yesterday	Indiv
VEGDISH	Any dishes made from mainly vegetables eaten yesterday	Indiv
VEGDISHQ	Number of tablespoons of vegetable dishes eaten yesterday	Indiv
VEGUSUAL	Ate more than usual amounts of vegetables, salad and pulses yesterday	Indiv
FRTDRNK	Drank any fruit juice yesterday	Indiv
FRTDRNKQ	Number of small glasses of fruit juice drank yesterday	Indiv
FRT	Was any fruit eaten yesterday	Indiv
FRTC01	Size of fruit: 1st mentioned	Indiv
FRTC02	Size of fruit: 2nd mentioned	Indiv
FRTC03	Size of fruit: 3rd mentioned	Indiv
FRTC04	Size of fruit: 4th mentioned	Indiv
FRTC05	Size of fruit: 5th mentioned	Indiv
FRTC06	Size of fruit: 6th mentioned	Indiv
FRTC07	Size of fruit: 7th mentioned	Indiv
FRTC08	Size of fruit: 8th mentioned	Indiv
FRTC09	Size of fruit: 9th mentioned	Indiv
FRTC10	Size of fruit: 10th mentioned	Indiv
FRTC11	Size of fruit: 11th mentioned	Indiv
FRTC12	Size of fruit: 12th mentioned	Indiv
FRTC13	Size of fruit: 13th mentioned	Indiv
FRTC14	Size of fruit: 14th mentioned	Indiv
FRTC15	Size of fruit: 15th mentioned	Indiv
FRTQ01	Amount of fruit eaten: 1st mentioned	Indiv
FRTQ02	Amount of fruit eaten: 2nd mentioned	Indiv
FRTQ03	Amount of fruit eaten: 3rd mentioned	Indiv
FRTQ04	Amount of fruit eaten: 4th mentioned	Indiv
FRTQ05	Amount of fruit eaten: 5th mentioned	Indiv
FRTQ06	Amount of fruit eaten: 6th mentioned	Indiv
FRTQ07	Amount of fruit eaten: 7th mentioned	Indiv
FRTQ08	Amount of fruit eaten: 8th mentioned	Indiv
FRTQ09	Amount of fruit eaten: 9th mentioned	Indiv
FRTQ10	Amount of fruit eaten: 10th mentioned	Indiv
FRTQ11	Amount of fruit eaten: 11th mentioned	Indiv
FRTQ12	Amount of fruit eaten: 12th mentioned	Indiv
FRTQ13	Amount of fruit eaten: 13th mentioned	Indiv
FRTQ14	Amount of fruit eaten: 14th mentioned	Indiv
FRTQ15	Amount of fruit eaten: 15th mentioned	Indiv
FRTMOR01	Any other fresh fruit eaten yesterday:1st mentioned	Indiv
FRTMOR02	Any other fresh fruit eaten yesterday:2nd mentioned	Indiv
FRTMOR03	Any other fresh fruit eaten yesterday:3rd mentioned	Indiv
FRTMOR04	Any other fresh fruit eaten yesterday:4th mentioned	Indiv
FRTMOR05	Any other fresh fruit eaten yesterday:5th mentioned	Indiv
FRTMOR06	Any other fresh fruit eaten yesterday:6th mentioned	Indiv
FRTMOR07	Any other fresh fruit eaten yesterday:7th mentioned	Indiv
FRTMOR08	Any other fresh fruit eaten yesterday:8th mentioned	Indiv
FRTMOR09	Any other fresh fruit eaten yesterday:9th mentioned	Indiv
FRTMOR10	Any other fresh fruit eaten yesterday:10th mentioned	Indiv
FRTMOR11	Any other fresh fruit eaten yesterday:11th mentioned	Indiv
FRTMOR12	Any other fresh fruit eaten yesterday:12th mentioned	Indiv
FRTMOR13	Any other fresh fruit eaten yesterday:13th mentioned	Indiv
FRTMOR14	Any other fresh fruit eaten yesterday:14th mentioned	Indiv
FRTMOR15	Any other fresh fruit eaten yesterday:15th mentioned	Indiv
FRTDRY	Was any dried fruit eaten yesterday?	Indiv
FRTDRYQ	Number of tablespoons of dried fruit eaten yesterday	Indiv
FRTFROZ	Was any frozen or tinned fruit eaten yesterday?	Indiv
FRTFROZQ	Number of tablespoons of frozen or tinned fruit eaten yesterday	Indiv

FRTDISH	Any other dishes made mostly from fruit	Indiv
FRTDISHQ	Number of tablespoons of fruit dishes eaten yesterday	Indiv
FRTUSUAL	Ate/drank more than usual amounts of fruit and fruit juice yesterday	Indiv
PORLGE	(D) Large portion	Derived
PORSML	(D) Small portion	Derived
POROTH	(D) Other portion	Derived
PORPUL	(D) Portion of pulses	Derived
PORSAL	(D) Portion of salad	Derived
PORVEG	(D) Portion of vegetables	Derived
PORVDISH	(D) Portion of vegetables in composites	Derived
PORJUICE	(D) Portion of fruit juice	Derived
PORFRT	(D) Portion of all sized fruit	Derived
PORDRY	(D) Portion of dried fruit	Derived
PORFROZ	(D) Portion of frozen fruit/canned fruit	Derived
PORFDISH	(D) Portion of fruit in composites	Derived
VEGPOR	(D) Total portion of vegetables (inc.salad)	Derived
FRTPOR	(D) Total portion of fruit	Derived
PORFV	(D) Total portion of fruit and veg	Derived
PORFTVG	(D) Grouped portions of fruit (inc.orange juice) & veg yesterday	Derived
VEGYN	(D) Any vegetables? (binary)	Derived
VDISHYN	(D) Any vegetables in composites? (binary)	Derived
FRTYN	(D) Any fresh fruit? (binary)	Derived
FDISHYN	(D) Any fruit in composites? (binary)	Derived
DRYYN	(D) Any dried fruit? (binary)	Derived
FROZYN	(D) Any frozen fruit? (binary)	Derived
PULYN	(D) Any pulses? (binary)	Derived
JUICEYN	(D) Any fruit juice? (binary)	Derived
SALYN	(D) Any salad? (binary)	Derived
FVYN	(D) Any fruit and vegetables? (binary)	Derived
PORFV05	(D) Portions of fruit and vegetables consumed, 6 groups - capped at 5+	Derived
VEGTYN	(D) Any vegetables eaten, incl salad, excl pulses? (binary)	Derived
VEGTYN2	(D) Any vegetables eaten, excl salad & pulses? (binary)	Derived
FRTTYN	(D) Any fruit eaten? (Fruit, dry, frozen composites, incl juice, (binary))	Derived
FRTTYN2	(D) Any fruit eaten? (Fruit, dry, frozen composites, excl juice (binary))	Derived

# General Health

## General Health

Variable	Description	Source
ACUTILL	(D) Acute sickness last two weeks	Derived
LASTFORT	Cut activities due to health (last 2 weeks)	Indiv
DAYSCUT	No. of days cut down on activities	Indiv
PREGNTJ	Whether currently pregnant 16+	Indiv
UPREG	Whether currently pregnant 10-15	Indiv
NCPREGJ	Whether pregnant	Nurse

## General Wellbeing

Variable	Description	Source
WEMWBS	(D) WEMWBS score	Derived
OPTIMF	Been feeling optimistic about the future	Nurse SC 16+
USEFUL	Been feeling useful	Nurse SC 16+
RELAX	Been feeling relaxed	Nurse SC 16+
INTPEOP	Been feeling interested in other people	Nurse SC 16+
ENERGY	I've had energy to spare	Nurse SC 16+
DEALPRB	Been dealing with problems well	Nurse SC 16+
THKCLR	Been thinking clearly	Nurse SC 16+
GOODME	Been feeling good about myself	Nurse SC 16+
CLSEPEOP	Been feeling close to other people	Nurse SC 16+
CONFIDET	Been feeling confident	Nurse SC 16+
MAKEMIND	Been able to make up my own mind about things	Nurse SC 16+
LOVED	Been feeling loved	Nurse SC 16+
INTTHGS	Been interested in new things	Nurse SC 16+
CHEER	Been feeling cheerful	Nurse SC 16+

## Autonomy at Work

Variable	Description	Source
PAIDWK	Currently in paid employment?	Nurse SC 16+
WORKHARD	My job requires that I work very hard	Nurse SC 16+
CHOICEWK	Have a choice in deciding how to go about work	Nurse SC 16+
SUPPTWK	Get help and support from line manager?	Nurse SC 16+
LOSEJOB	How likely will lose job and become unemployed within next 12 months?	Nurse SC 16+

## Diabetes

Variable	Description	Source
EVERDI	Whether now have, or have ever had diabetes	Indiv
DIABETES	Told by a doctor that had diabetes	Indiv
TYPED	Have you been told by a doctor/nurse that you had Type I or Type II diabetes?	Indiv
DIPREG	Whether pregnant when told had diabetes	Indiv
DIOTH	Whether ever had diabetes apart from when pregnant	Indiv
DIAGE	Age when first told by a doctor that had diabetes	Indiv
INSULIN	Whether currently inject insulin for diabetes	Indiv
DIABETE2	(D) Doctor diagnosed diabetes (excluding pregnant)	Derived
DIABETE2R	(D) Doctor diagnosed diabetes (excluding pregnant) {revised}	Derived
DIABTYPE	(D) Type of diabetes	Derived
DIABTYPER	(D) Type of diabetes {revised}	Derived
DIABETE3	(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)	Derived
DIABETE3R	(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}	Derived
DIABTOT	(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)	Derived
DIABTOTR	(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}	Derived
DIMED	Whether currently taking any medicines, tablets or pills for diabetes	Indiv

OTHDI	Whether currently receiving any other treatment or advice for diabetes	Indiv
OTHERDI1	Other treatment: Special diet	Indiv
OTHERDI2	Other treatment: Eye screening / regular eye tests	Indiv
OTHERDI3	Other treatment: Regular check-up with GP/hospital/clinic	Indiv
OTHERDI4	Other treatment: Other	Indiv
CHECKUP1	Where are checkups: GP surgery	Indiv
CHECKUP2	Where are checkups: Hospital	Indiv
CHECKUP3	Where are checkups: Clinic	Indiv
CHECKUP4	Where are checkups: Other	Indiv
WHYNOET	Reason why not having eyes tested regularly	Indiv

## High Blood Pressure

Variable	Description	Source
EVERBP	Do you have or ever had high blood pressure (hypertension)	Indiv
DOCBP	Were you told by a doctor/nurse that you had high BP?	Indiv
PREGBP	Were you pregnant when you were told you had high BP?	Indiv
OTHBP	Have you had high BP apart from when pregnant?	Indiv
AGEBP	Age told had high BP	Indiv
BP1	(D) Doctor diagnosed high blood pressure (excluding pregnant)	Derived
MEDBP	Are you currently taking any medicines, tablets or pills for high BP?	Indiv
BPSTILL	Do you still have high blood pressure?	Indiv
EVERMED	Have you ever taken medicines, tablets, or pills for high blood pressure?	Indiv
STPMED01	Stop BP medication: Doctor's advised to, improvement	Indiv
STPMED02	Stop BP medication: Doctor's advised to, lack of improvement	Indiv
STPMED03	Stop BP medication: Other problem	Indiv
STPMED04	Stop BP medication: Respondent decided to stop, felt better	Indiv
STPMED05	Stop BP medication: Respondent decided to stop, other reason	Indiv
STPMED95	Stop BP medication: other reason	Indiv
OTHADV	Are you receiving any other treatment/advice for high BP?	Indiv
WHTRT01	Other treatment/advice currently receiving: Blood pressure monitored by GP/other doctor/nurse	Indiv
WHTRT02	Other treatment/advice currently receiving: Advice or treatment to lose weight	Indiv
WHTRT03	Other treatment/advice currently receiving: Blood tests	Indiv
WHTRT04	Other treatment/advice currently receiving: Change diet	Indiv
WHTRT05	Other treatment/advice currently receiving: Stop smoking	Indiv
WHTRT06	Other treatment/advice currently receiving: Reduce stress	Indiv
WHTRT95	Other treatment/advice currently receiving: Other	Indiv

## Folic Acid (women only)

Variable	Description	Source
FOLIC	Whether taking any folic acid supplements at present time	Nurse
FOLPREG	Did you start taking folic acid supplements before becoming pregnant?	Nurse
FOLPREG1	Whether taking folic acid supplements for the first 12 weeks of pregnancy	Nurse
FOLPREGH	Whether taking folic acid because hopes to become pregnant	Nurse

## Flu Injection

Variable	Description	Source
FLUVAC	Ever been vaccinated for any type of flu (influenza) (only asked during interview period Jan-Mar 2013)	Nurse
VACWHN	When was most recent flu vaccination (only asked during interview period Jan-Mar 2013)	Nurse
VACMTH*	Month of most recent flu vaccination (only asked during interview period Jan-Mar 2013)	Nurse
VACYR	Year of most recent flu vaccination (only asked during interview period Jan-Mar 2013)	Nurse

## Long Lasting Illness

Variable	Description	Source
ILL12M	Whether have any physical or mental health conditions or illnesses lasting or expected to last 12 months or more	Indiv
ILL12M1	Type of illness for 12 months or more - 1st	Indiv
ILL12M2	Type of illness for 12 months or more - 2nd	Indiv

ILL12M3	Type of illness for 12 months or more - 3rd	Indiv
ILL12M4	Type of illness for 12 months or more - 4th	Indiv
ILL12M5	Type of illness for 12 months or more - 5th	Indiv
ILL12M6	Type of illness for 12 months or more - 6th	Indiv
LIMLAST	(D) Limiting longlasting illness	Derived
COMPLST1	(D) II Neoplasms & benign growths	Derived
COMPLST2	(D) III Endocrine & metabolic	Derived
COMPLST3	(D) V Mental disorders	Derived
COMPLST4	(D) VI Nervous system	Derived
COMPLST5	(D) VI Eye complaints	Derived
COMPLST6	(D) VI Ear complaints	Derived
COMPLST7	(D) VII Heart & circulatory system	Derived
COMPLST8	(D) VIII Respiratory system	Derived
COMPLST9	(D) IX Digestive system	Derived
COMPLST10	(D) X Genito-urinary system	Derived
COMPLST11	(D) XII Skin complaints	Derived
COMPLST12	(D) XIII Musculoskeletal system	Derived
COMPLST13	(D) I Infectious disease	Derived
COMPLST14	(D) IV Blood & related organs	Derived
COMPLST15	(D) Other complaints	Derived
COMPLST17	(D) No long lasting illness	Derived
COMPLST18	(D) No longer present	Derived
COMPLST99	(D) Unclass/NLP/inadeq.describe	Derived
CONDLCNT	(D) Number of grouped condition categories	Derived
CONDLCNT2	(D) Number of grouped conditions - 4 plus	Derived
ILLMORE1	(D) Numer of longstanding illnesses – grouped	Derived
ILLAFF1	Whether conditions or illnesses affect: Vision (for example blindness or partial sight)	Indiv
ILLAFF2	Whether conditions or illnesses affect: Hearing (for example deafness or partial hearing)	Indiv
ILLAFF3	Whether conditions or illnesses affect: Mobility (for example walking short distances or climbing stairs)	Indiv
ILLAFF4	Whether conditions or illnesses affect: Dexterity (for example lifting and carrying objects, using a keyboard)	Indiv
ILLAFF5	Whether conditions or illnesses affect: Learning or understanding or concentrating	Indiv
ILLAFF6	Whether conditions or illnesses affect: Memory	Indiv
ILLAFF7	Whether conditions or illnesses affect: Mental health	Indiv
ILLAFF8	Whether conditions or illnesses affect: Stamina, breathing or fatigue	Indiv
ILLAFF9	Whether conditions or illnesses affect: Socially or behaviourally (for example associated with autism, attention deficit disorder or Asperger's syndrome)	Indiv
ILLAFF95	Whether conditions or illnesses affect: Other	Indiv
ILLAFF96	Whether conditions or illnesses affect: None of these	Indiv
ILLAFF97	Whether conditions or illnesses affect: Refusal	Indiv
REDUACT	Day-to-day activities reduced due to illness	Indiv
AFFLNG	How long day-to-day activities have been reduced	Indiv
REDACT1	Whether 1st condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT2	Whether 2nd condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT3	Whether 3rd condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT4	Whether 4th condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT5	Whether 5th condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT6	Whether 6th condition or illness reduces ability to carry out day-to-day activities	Indiv

## Prescribed Medicines: Drugs affecting blood analytes/Other drugs

Variable	Description	Source
DIUR2	(D) Diuretics (Blood pressure) {revised}	Derived
BETA2	(D) Beta blockers (Blood pressure/Fibrinogen) {revised}	Derived
ACEINH2	(D) Ace inhibitors(Blood pressure) {revised}	Derived
CALCIUMB2	(D) Calcium blockers (Blood pressure) {revised}	Derived
OBPDRUG2	(D) Other drugs affecting BP {revised}	Derived
LIPID2	(D) Lipid lowering (Cholesterol/Fibrinogen) – prescribed {revised}	Derived
IRON2	(D) Iron deficiency (Haemoglobin/Ferritin) {revised}	Derived
BPMEDC2	(D) Whether taking drugs affecting blood pressure {revised}	Derived
BPMEDD2	(D) Whether taking drugs prescribed for blood pressure {revised}	Derived
ANTIPLAM2	(D) Antiplatelets prescribed (binary)	Derived
ANALGM2	(D) Analgesics prescribed (binary)	Derived
PROTONM2	(D) Proton pump inhibitors prescribed (binary)	Derived
ANTIDEP2	(D) Antidepressants prescribed (binary)	Derived
COPDM2	(D) Asthma or COPD prescribed (binary)	Derived

ANTIDIABM2	(D) Antidiabetic prescribed (binary)	Derived
ANTIBACM2	(D) Antibacterial medications prescribed (binary)	Derived

## Prescribed Medicines: General

Variable	Description	Source
NUMMEDS	Number of medicines	Nurse
MEDBIA1	Whether medicine used in last 7 days	Nurse
MEDBIA2	Whether medicine used in last 7 days	Nurse
MEDBIA3	Whether medicine used in last 7 days	Nurse
MEDBIA4	Whether medicine used in last 7 days	Nurse
MEDBIA5	Whether medicine used in last 7 days	Nurse
MEDBIA6	Whether medicine used in last 7 days	Nurse
MEDBIA7	Whether medicine used in last 7 days	Nurse
MEDBIA8	Whether medicine used in last 7 days	Nurse
MEDBIA9	Whether medicine used in last 7 days	Nurse
MEDBIA10	Whether medicine used in last 7 days	Nurse
MEDBIA11	Whether medicine used in last 7 days	Nurse
MEDBIA12	Whether medicine used in last 7 days	Nurse
MEDBIA13	Whether medicine used in last 7 days	Nurse
MEDBIA14	Whether medicine used in last 7 days	Nurse
MEDBIA15	Whether medicine used in last 7 days	Nurse
MEDBIA16	Whether medicine used in last 7 days	Nurse
MEDBIA17	Whether medicine used in last 7 days	Nurse
MEDBIA18	Whether medicine used in last 7 days	Nurse
MEDBIA19	Whether medicine used in last 7 days	Nurse
MEDBIA20	Whether medicine used in last 7 days	Nurse
MEDBIA21	Whether medicine used in last 7 days	Nurse
MEDBIA22	Whether medicine used in last 7 days	Nurse
MEDBI01 <sup>11</sup>	Drug code of medicines prescribed by doctor (up to 22 medicines may be coded)	Nurse
MEDBI02	Drug code of medicines prescribed by doctor	Nurse
MEDBI03	Drug code of medicines prescribed by doctor	Nurse
MEDBI04	Drug code of medicines prescribed by doctor	Nurse
MEDBI05	Drug code of medicines prescribed by doctor	Nurse
MEDBI06	Drug code of medicines prescribed by doctor	Nurse
MEDBI07	Drug code of medicines prescribed by doctor	Nurse
MEDBI08	Drug code of medicines prescribed by doctor	Nurse
MEDBI09	Drug code of medicines prescribed by doctor	Nurse
MEDBI10	Drug code of medicines prescribed by doctor	Nurse
MEDBI11	Drug code of medicines prescribed by doctor	Nurse
MEDBI12	Drug code of medicines prescribed by doctor	Nurse
MEDBI13	Drug code of medicines prescribed by doctor	Nurse
MEDBI14	Drug code of medicines prescribed by doctor	Nurse
MEDBI15	Drug code of medicines prescribed by doctor	Nurse
MEDBI16	Drug code of medicines prescribed by doctor	Nurse
MEDBI17	Drug code of medicines prescribed by doctor	Nurse
MEDBI18	Drug code of medicines prescribed by doctor	Nurse
MEDBI19	Drug code of medicines prescribed by doctor	Nurse
MEDBI20	Drug code of medicines prescribed by doctor	Nurse
MEDBI21	Drug code of medicines prescribed by doctor	Nurse
MEDBI22	Drug code of medicines prescribed by doctor	Nurse
MEDCNJD	Whether taking medication	Nurse
STATINS	Whether taking statins without prescription	Nurse
STATINA	Taken/used statins in the last 7 days	Nurse
MEDCNJ	(D) Whether taking medication – excluding contraceptives only	Derived
MEDTYP1	(D) Cardio-vascular medicine taken?	Derived
MEDTYP2	(D) Gastrointestinal medicine taken?	Derived
MEDTYP3	(D) Respiratory medicine taken?	Derived
MEDTYP4	(D) CNS medicine taken?	Derived
MEDTYP5	(D) Medicine for infection taken?	Derived
MEDTYP6	(D) Endocrine medicine taken?	Derived
MEDTYP7	(D) Gynae/Urinary medicine taken?	Derived
MEDTYP8	(D) Cytotoxic or immunosuppressive medicine taken?	Derived

<sup>11</sup> Drug codes are taken from the British National Formulary (BNF) Version 61, March 2011. HSE uses three levels of classification. For example a drug code 100101 is a drug listed in Section 10.1.1 in the BNF, and so on. See the Coding and Editing Instructions for more detail.

MEDTYP9	(D) Medicine for nutrition/blood taken?	Derived
MEDTYP10	(D) Musculoskeletal medicine taken?	Derived
MEDTYP11	(D) Eye/Ear etc medicine taken?	Derived
MEDTYP12	(D) Medicine for skin taken?	Derived
MEDTYP13	(D) Vaccines and antisera taken?	Derived
MEDTYP14	(D) Contraception taken?	Derived
NUMED2	(D) Number of prescribed medicines taken	Derived
NUMED	(D) Number of prescribed medicines taken (grouped 4+)	Derived
MEDSNUM	(D) Number of prescribed medications reported - incl contraceptives & nicotine dependency drugs	Derived
MEDSNUMG8	(D) Grouped number of prescribed medications reported- incl contraceptives & nicotine dependency drugs	Derived
MEDSNUM2	(D) Number of prescribed medications reported, excl contraceptives & nicotine dependence	Derived
MEDSNUM2G8	(D) Grouped number of prescribed medications reported (8 groups) - excl contraceptives & nicotine dependency drugs	Derived
MEDSTAK	(D) Number of prescribed meds taken in the last seven days, incl contraceptives & nicotine dependency drugs	Derived
MEDSTAKG8	(D) Grouped number of prescribed medications taken (8 groups)- incl contraceptives & nicotine dependency drugs	Derived
MEDSTAK2	(D) Number of prescribed medications taken in the last seven days, - excl contraceptives & nicotine dependency	Derived
MEDSTAK2G8	(D) Number of prescribed medications taken in last 7 days (8 groups), excl contraceptives & nicotine dependency	Derived
CARDIOTAK	(D) Number of prescribed cardiovascular medications taken in the last seven days	Derived
CARDIOTAKG2	(D) Any prescribed cardiovascular medications taken in last 7 days (binary)	Derived
HYPERTAK	(D) Number of prescribed antihypertensives for hypertension taken in the last seven days	Derived
HYPERTAKG2	(D) Any prescribed antihypertensives taken in last 7 days, if has hypertension (binary)	Derived
LIPIDTAK	(D) Number of prescribed lipid lowering medications taken in the last seven days	Derived
LIPIDTAKG2	(D) Any prescribed lipid-lowering medications taken in last 7 days, (binary)	Derived
ANTIPLATAK	(D) Number of prescribed antiplatelets taken in the last seven days	Derived
ANTIPLATAKG2	(D) Any prescribed antiplatelets taken in last 7 days, (binary)	Derived
ANALGTAK	(D) Number of prescribed analgesics taken in the last seven days	Derived
ANALGTAKG2	(D) Any prescribed analgesics taken in last 7 days (binary)	Derived
PROTONTAK	(D) Number of prescribed proton pump inhibitors taken in the last seven days	Derived
PROTONTAKG2	(D) Any prescribed proton pump inhibitors taken in last 7 days (binary)	Derived
ANTIDEPTAK	(D) Number of prescribed antidepressants taken in the last seven days	Derived
ANTIDEPTAKG2	(D) Any antidepressants taken in last 7 days (binary)	Derived
COPDTAK	(D) Number of prescribed asthma or COPD medications taken in the last seven days	Derived
COPDTAKG2	(D) Any prescribed asthma or COPD medications taken in last 7 days (binary)	Derived
ANTIDIABTA K	(D) Number of prescribed antidiabetic medications taken in the last seven days	Derived
ANTIDIABTA KG2	(D) Any prescribed antidiabetic medications taken in last 7 days (binary)	Derived
ANTIBACTAK	(D) Number of prescribed antibacterial medications taken in the last seven days	Derived
ANTIBACTAKG2	(D) Any prescribed antibacterial medications taken in last 7 days (binary)	Derived

Prescribed Medicines: Reasons for taking medication		
Variable	Description	Source
YTAKE011	Heart problem	Indiv
YTAKE021	Heart problem	Indiv
YTAKE031	Heart problem	Indiv
YTAKE041	Heart problem	Indiv
YTAKE051	Heart problem	Indiv
YTAKE061	Heart problem	Indiv
YTAKE071	Heart problem	Indiv
YTAKE081	Heart problem	Indiv
YTAKE091	Heart problem	Indiv
YTAKE101	Heart problem	Indiv
YTAKE111	Heart problem	Indiv



YTAKE121	Heart problem	Indiv
YTAKE131	Heart problem	Indiv
YTAKE141	Heart problem	Indiv
YTAKE151	Heart problem	Indiv
YTAKE161	Heart problem	Indiv
YTAKE171	Heart problem	Indiv
YTAKE181	Heart problem	Indiv
YTAKE191	Heart problem	Indiv
YTAKE201	Heart problem	Indiv
YTAKE211	Heart problem	Indiv
YTAKE221	Heart problem	Indiv
YTAKE012	High blood pressure	Indiv
YTAKE022	High blood pressure	Indiv
YTAKE032	High blood pressure	Indiv
YTAKE042	High blood pressure	Indiv
YTAKE052	High blood pressure	Indiv
YTAKE062	High blood pressure	Indiv
YTAKE072	High blood pressure	Indiv
YTAKE082	High blood pressure	Indiv
YTAKE092	High blood pressure	Indiv
YTAKE102	High blood pressure	Indiv
YTAKE112	High blood pressure	Indiv
YTAKE122	High blood pressure	Indiv
YTAKE132	High blood pressure	Indiv
YTAKE142	High blood pressure	Indiv
YTAKE152	High blood pressure	Indiv
YTAKE162	High blood pressure	Indiv
YTAKE172	High blood pressure	Indiv
YTAKE182	High blood pressure	Indiv
YTAKE192	High blood pressure	Indiv
YTAKE202	High blood pressure	Indiv
YTAKE212	High blood pressure	Indiv
YTAKE222	High blood pressure	Indiv
YTAKE013	Other reason	Indiv
YTAKE023	Other reason	Indiv
YTAKE033	Other reason	Indiv
YTAKE043	Other reason	Indiv
YTAKE053	Other reason	Indiv
YTAKE063	Other reason	Indiv
YTAKE073	Other reason	Indiv
YTAKE083	Other reason	Indiv
YTAKE093	Other reason	Indiv
YTAKE103	Other reason	Indiv
YTAKE113	Other reason	Indiv
YTAKE123	Other reason	Indiv
YTAKE133	Other reason	Indiv
YTAKE143	Other reason	Indiv
YTAKE153	Other reason	Indiv
YTAKE163	Other reason	Indiv
YTAKE173	Other reason	Indiv
YTAKE183	Other reason	Indiv
YTAKE193	Other reason	Indiv
YTAKE203	Other reason	Indiv
YTAKE213	Other reason	Indiv
YTAKE223	Other reason	Indiv

## Self-Assessed Health

Variable	Description	Source
GENHELF	Self-assessed general health	Indiv
GENHELF2	(D) Self-assessed general health – grouped	Derived

## Personal Care Plan

Variable	Description	Source
PCAREP1	(D) Whether been offered a personal care plan	Indiv
CAREPS	(D) Personal care plan status grouped	Derived
CONVDOC	Had conversation with doctor/nurse etc about long term condition	

LASTYR	Whether conversation in last 12 months or longer ago	
PLANAG	Whether health professional agreed a PCP In last 12 months	
OFFPLAN	Whether talked about/been offered a Personal Care Plan in last 12 months	
WHYNOPL	Reason Personal Care Plan not agreed	
LIKEPLAN	Whether would like to discuss a PCP with health professional	
CAREIMPR	Whether PCP has improved health and social care services received	
OPTOFF01	Whether discussed or been offered in last 12 months: Help to find information on condition	
OPTOFF02	Whether discussed or been offered in last 12 months: Help to find choices on care	
OPTOFF03	Whether discussed or been offered in last 12 months: Attending training courses on condition	
OPTOFF04	Whether discussed or been offered in last 12 months: Joining support network/group	
OPTOFF05	Whether discussed or been offered in last 12 months: Having equipment fitted at home	
OPTOFF95	Whether discussed or been offered in last 12 months: Other	
OPTOFF96	Whether discussed or been offered in last 12 months: None of these	
OPTDO01	Done in last 12mths: Read and used information on condition	
OPTDO02	Done in last 12mths: Read and used information on care choices	
OPTDO03	Done in last 12mths: Attended training courses on condition	
OPTDO04	Done in last 12mths: Joined support network/group	
OPTDO05	Done in last 12mths: Have equipment fitted at home	
OPTDO95	Done in last 12mths: Other	
OPTDO96	Done in last 12mths: None of these	

## Use of health services

Variable	Description	Source
NDOCTALK	During the last two weeks, have you talked to a doctor?	Indiv
NCHATS	How many times have you talked to a doctor in these two weeks?	Indiv
GP	What type of doctor did you talk to?	Indiv
DOCWHERE	How or where did you talk to the doctor?	Indiv
WHENDOC	When was the last time you talked to a doctor?	Indiv
NDCTK12	In the last year, approximately how many times have you talked/visited a GP or family doctor?	Indiv
PNUR	During the last two weeks, have you seen a practice nurse at the GP surgery?	Indiv
NPNUR	How many times have you seen a practice nurse at the GP surgery in these two weeks?	Indiv
OUTPAT01	During the last year, have you attended hospital as an out patient?	Indiv
OUTPAT02	During the last year, have you attended hospital as an day patient?	Indiv
OUTPAT03	During the last year, have you attended hospital via casualty or A&E?	Indiv
OUTPAT95	During the last year, have you attended hospital via another way?	Indiv
OUTNPA	In the last 12 months, how many times have you visited the hospital as an out patient?	Indiv
OUTNPB	In the last 12 months, how many times have you visited the hospital as a day patient?	Indiv
OUTNPC	In the last 12 months, how many times have you visited the hospital as an A&E patient?	Indiv
INPAT	In the last year, have you attended hospital as an inpatient/overnight or longer	Indiv
INPATNO	During the last year, have you attended hospital as an inpatient/overnight or longer	Indiv

# Adult physical activity

International physical activity questionnaire(IPAQ)		
Variable	Description	Source
NOVIG	No vigorous physical activities in the last 7 days	SC YP
LST7VIG	Number of days in last 7 did vigorous physical activity (NurSCDat.Lst7Vig)	SC YP
TVIGHOU	Time spent on vigorous physical activity on each day - Hours	SC YP
TVIGMIN	Time spent on vigorous physical activity on each day - Minutes	SC YP
NOMOD	No moderate physical activities in the last 7 days	SC YP
LST7MOD	Number of days in last 7 did moderate physical activity	SC YP
TMODHOU	Time spent on moderate physical activity on each day - Hours	SC YP
TMODMIN	Time spent on moderate physical activity on each day - Minutes	SC YP
NOWALK	No walking activities in the last 7 days	SC YP
LST7WAL	Number of days in last 7 walked for at least 10 minutes at a time	SC YP
TWALHOU	Time spent on walking activity on each day - Hours	SC YP
TWALMIN	Time spent on walking activity on each day - Minutes	SC YP
TSITHOU	Time spent sitting on a weekday in the last 7 days - Hours	SC YP
TSITMIN	Time spent sitting on a weekday in the last 7 days - Minutes	SC YP
TOTMVIGD	(D) IPAQ: Total number of minutes usually spend doing vigorous activities in a day	Derived
TOTMMODD	(D) IPAQ: Total number of minutes usually spend doing moderate activities in a day	Derived
TOTMWALD	(D) IPAQ: Total number of minutes usually spend walking in a day	Derived
TOTMSITD	(D) IPAQ: Total number of minutes spent sitting on a weekday	Derived
TOTMVIGWK	(D) IPAQ: Total number of minutes of vigorous activity in the last 7 days	Derived
TOTMMODWK	(D) IPAQ: Total number of minutes of moderate activity in the last 7 days	Derived
TOTMWALWK	(D) IPAQ: Total number of minutes walking in the last 7 days	Derived
TOTMSITWK	(D) IPAQ: Total number of minutes spent sitting (weekdays, only) in the last 7 days	Derived
VPAMDAY	(D) IPAQ: Vigorous-intensity minutes (VPA) each day (10+ mins)*2	Derived
MPAMDAY	(D) IPAQ: Moderate-intensity minutes (MPA) each day (10+ mins)	Derived
VPAMWK	(D) IPAQ: Vigorous-intensity minutes (VPA) each week (10+ mins) * 2	Derived
MPAMWK	(D) IPAQ: Moderate-intensity minutes (MPA) each week (10+ mins)	Derived
MVPAMWK	(D) IPAQ: Active - Moderate/Vigorous-intensity minutes (MVPA) each week	Derived
MVPAMWKG	(D) IPAQ: Grouped Active - 30 minutes or more Moderate/Vigorous-intensity minutes (MVPA) each week	Derived
MVPATERT	(D) IPAQ: Tertiles of moderate or vigorous intensive minutes of activity per week ( sex-specific; excludes walking	Derived

# Smoking

## Adults General

Variable	Description	Source
SMKEVR	Whether ever smoked cigarette/cigar/pipe (c+sc)	Indiv/SC YP
CIGNOW	Whether smoke cigarettes nowadays (c+sc)	Indiv/SC YP
CIGEVN	Whether ever smoked cigarettes (c+sc)	Indiv/SC YP
CIGARNOW	Currently smokes cigars	Indiv
CIGARREG	How regularly smokes cigars	Indiv
PIPENOWA	Currently smokes a pipe	Indiv
CIGPIENO W	(D) Current user of cigars or pipes, 16+yrs (c+sc)	Derived
STARTSMK	Age when started smoking	Indiv
DCIGAGE	Age first tried a cigarette	SC YP
DRSMOKE	Whether a medical person has ever advised you to give up for health reasons	Indiv
DRSMOKE1	How long ago advised to stop	Indiv
ASKHLP_1	Whether been to health professional for help to stop smoking: Doctor	Indiv
ASKHLP_2	Whether been to health professional for help to stop smoking: Other health professional	Indiv
ASKHLP_3	Whether been to health professional for help to stop smoking: Local stop smoking services	Indiv
ASKHLP_4	Whether been to health professional for help to stop smoking: None of these	Indiv
SMKDAD	Whether father smoked when participant a child (c+sc)	Indiv/SC YP
SMKMUM	Whether mother smoked when participant a child (c+sc)	Indiv/SC YP
CIGST1	(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current	Derived
CIGSTA3	(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg	Derived
CIGST2	(D) Cigarette Smoking Status - Banded current smokers	Derived
EXPSMOK	Number of hours/week exposed to others' smoke (c+sc)	Indiv/SC YP
EXPSMOK3	(D) Any adult self-reported exposure to other people's smoke, 16+, binary (c+sc)	Derived
PASSMOKE1	Often near people who smoke: At home (c+sc)	Indiv/SC YP
PASSMOKE2	Often near people who smoke: At work (c+sc)	Indiv/SC YP
PASSMOKE3	Often near people who smoke: In other people's homes (c+sc)	Indiv/SC YP
PASSMOKE4	Often near people who smoke: Travelling by car/van (c+sc)	Indiv/SC YP
PASSMOKE5	Often near people who smoke: Outdoor smoking areas of pubs/restaurants/cafes (c+sc)	Indiv/SC YP
PASSMOKE6	Often near people who smoke: In other places (c+sc)	Indiv/SC YP
PASSMOKE7	Often near people who smoke: None of these (c+sc)	Indiv/SC YP
PASSMKB	Does being near people who smoke bother you at all? (c+sc)	Indiv/SC YP

## Adult Current Smokers

Variable	Description	Source
FIRSTCIG	How soon after waking does respondent smoke	Indiv
CIGDYAL	(D) Number of cigarettes smoke a day - inc. non-smokers	Derived
CIGWDAY	Number cigarettes smoke on weekday (c+sc)	Indiv/SC YP
CIGWEND	Number cigarettes smoke on weekend day (c+sc)	Indiv/SC YP
CIGTYP	Type of cigarette smoked (c+sc)	Indiv/SC YP
OTHCIPT1	Other type of cigarette smoked: Filter-tipped (c+sc)	Indiv/SC YP
OTHCIPT2	Other type of cigarette smoked: Plain or untipped (c+sc)	Indiv/SC YP
OTHCIPT3	Other type of cigarette smoked: Hand-rolled (c+sc)	Indiv/SC YP
OTHCIPT4	Other type of cigarette smoked: None (c+sc)	Indiv/SC YP
HROLLWK	Number of hand-rolled cigarettes smoked on a weekday (c+sc)	Indiv/SC YP
HROLLWE	Number of hand-rolled cigarettes smoked on a weekend day (c+sc)	Indiv/SC YP
HROLLFLTR	Whether smoke hand-rolled cigarettes with filter (c+sc)	Indiv/SC YP
SMOKWH1	In last 7 days I smoked: At my home (indoors or outside)	Indiv
SMOKWH2	In last 7 days I smoked: Outside (other than at home)	Indiv
SMOKWH3	In last 7 days I smoked: Inside other people's homes	Indiv
SMOKWH4	In last 7 days I smoked: Whilst travelling by car	Indiv
SMOKWH5	In last 7 days I smoked: Inside other places	Indiv
SMOKHM01	In last 7 days I smoked: Outside, for example in the garden or on doorstep	Indiv
SMOKHM02	In last 7 days I smoked: Own room/bedroom	Indiv
SMOKHM03	In last 7 days I smoked: Living room	Indiv
SMOKHM04	In last 7 days I smoked: Kitchen	Indiv
SMOKHM05	In last 7 days I smoked: Toilet	Indiv
SMOKHM06	In last 7 days I smoked: Bathroom	Indiv

SMOKHM07	In last 7 days I smoked: Study	Indiv
SMOKHM08	In last 7 days I smoked: Dining room	Indiv
SMOKHM09	In last 7 days I smoked: Everywhere	Indiv
SMOKHM10	In last 7 days I smoked: Somewhere else in the home	Indiv
SMKOUTS1	In last 7 days I smoked: In the street, or out and about	Indiv
SMKOUTS2	In last 7 days I smoked: Outside at work	Indiv
SMKOUTS3	In last 7 days I smoked: Outside other people's home	Indiv
SMKOUTS4	In last 7 days I smoked: Outside pubs or bars	Indiv
SMKOUTS5	In last 7 days I smoked: Outside restaurants, cafes, or canteens	Indiv
SMKOUTS6	In last 7 days I smoked: Outside shops	Indiv
SMKOUTS7	In last 7 days I smoked: In public parks	Indiv
SMKOUTS8	In last 7 days I smoked: Outside other places	Indiv
SMNODAY	Ease of going without cigarettes for a day	Indiv
GIVUPSK	Like to give up smoking (c+sc)	Indiv/SC YP
WHNSTPSK	Intention to give up smoking (c+sc)	Indiv/SC YP
DCUTDOWN	Trying to cut down but not stop (sc)	SC YP
CUTDWN	Currently trying to cut down on smoking but not trying to stop (capi)	Indiv
SMKCOMPYR	Number of cigarettes smoked compared to a year ago (c+sc)	Indiv/SC YP
GIVEUPRS01	Reasons for wanting to give up: Because of a health problem I have at present	Indiv/SC YP
GIVEUPRS02	Reasons for wanting to give up: Better for my health in general	Indiv/SC YP
GIVEUPRS03	Reasons for wanting to give up: To reduce the risk of getting smoking related illnesses	Indiv/SC YP
GIVEUPRS04	Reasons for wanting to give up: Ban on smoking in public places	Indiv/SC YP
GIVEUPRS05	Reasons for wanting to give up: Family or friends wanted me to stop	Indiv/SC YP
GIVEUPRS06	Reasons for wanting to give up: Financial reasons (can't afford it)	Indiv/SC YP
GIVEUPRS07	Reasons for wanting to give up: Worried about the effect on my children	Indiv/SC YP
GIVEUPRS08	Reasons for wanting to give up: Worried about the effect on other family members	Indiv/SC YP
GIVEUPRS09	Reasons for wanting to give up: Other	Indiv/SC YP

## Adult Ex-Smokers

Variable	Description	Source
QITRSN01	Reason gave up: Advice from a GP or health professional (c+sc)	Indiv/SC YP
QITRSN02	Reason gave up: Advert for a nicotine replacement product (c+sc)	Indiv/SC YP
QITRSN03	Reason gave up: Government TV, radio or press advert (c+sc)	Indiv/SC YP
QITRSN04	Reason gave up: Hearing about a new stop smoking treatment (c+sc)	Indiv/SC YP
QITRSN05	Reason gave up: Financial reasons (couldn't afford it) (c+sc)	Indiv/SC YP
QITRSN06	Reason gave up: Ban on smoking in public places (c+sc)	Indiv/SC YP
QITRSN07	Reason gave up: I knew someone else who was stopping (c+sc)	Indiv/SC YP
QITRSN08	Reason gave up: Seeing a health warning on cigarette packet (c+sc)	Indiv/SC YP
QITRSN09	Reason gave up: Family or friends wanted me to stop (c+sc)	Indiv/SC YP
QITRSN10	Reason gave up: Being contacted by my local NHS Stop Smoking Services (c+sc)	Indiv/SC YP
QITRSN11	Reason gave up: Health problems I had at the time (c+sc)	Indiv/SC YP
QITRSN12	Reason gave up: Worried about future health problems (c+sc)	Indiv/SC YP
QITRSN13	Reason gave up: Pregnancy (c+sc)	Indiv/SC YP
QITRSN14	Reason gave up: Worried about the effect on my children (c+sc)	Indiv/SC YP
QITRSN15	Reason gave up: Worried about the effect on other family members (c+sc)	Indiv/SC YP
QITRSN16	Reason gave up: My own motivation (c+sc)	Indiv/SC YP
QITRSN17	Reason gave up: Something else (c+sc)	Indiv/SC YP
QITRSN18	Reason gave up: Cannot remember (c+sc)	Indiv/SC YP
CIGREG	How frequently used to smoke (c+sc)	Indiv/SC YP
NUMSMOK	About how many cigarettes did you smoke in a day	Indiv
ENDSMOKE	How long ago did you stop smoking cigarettes	Indiv
LONGEND2	How many months ago did you give up	Indiv
SMOKYRS	How many years did you smoke cigarettes	Indiv
SMOKETRY	Whether ever tried to give up smoking because of a health condition	Indiv

## Nicotine replacement

Variable	Description	Source
NRNOW01	Nicotine replacement product currently used: Nicotine chewing gum (c+sc)	Indiv/SC YP
NRNOW02	Nicotine replacement product currently used: Nicotine lozenges (c+sc)	Indiv/SC YP
NRNOW03	Nicotine replacement product currently used: Nicotine patch (c+sc)	Indiv/SC YP
NRNOW04	Nicotine replacement product currently used: Nicotine inhaler (c+sc)	Indiv/SC YP

NRNOW05	Nicotine replacement product currently used: Nicotine mouthspray (c+sc)	Indiv/SC YP
NRNOW06	Nicotine replacement product currently used: Nicotine nasal spray (c+sc)	Indiv/SC YP
NRNOW07	Nicotine replacement product currently used: Another nicotine product (c+sc)	Indiv/SC YP
NRNOW08	Nicotine replacement product currently used: Electronic cigarette (c+sc)	Indiv/SC YP
NRNOW09	Nicotine replacement product currently used: None of these (c+sc)	Indiv/SC YP
NDPNOW	(D) Current use of E-cigarettes and/or NDPs, 16+yrs (c + sc)	Derived
NREVR01	Nicotine replacement product used in the past but not now: Nicotine chewing gum (c+sc)	Indiv/SC YP
NREVR02	Nicotine replacement product used in the past but not now: Nicotine lozenges (c+sc)	Indiv/SC YP
NREVR03	Nicotine replacement product used in the past but not now: Nicotine patch (c+sc)	Indiv/SC YP
NREVR04	Nicotine replacement product used in the past but not now: Nicotine inhaler (c+sc)	Indiv/SC YP
NREVR05	Nicotine replacement product used in the past but not now: Nicotine mouthspray (c+sc)	Indiv/SC YP
NREVR06	Nicotine replacement product used in the past but not now: Nicotine nasal spray (c+sc)	Indiv/SC YP
NREVR07	Nicotine replacement product used in the past but not now: Another nicotine product (c+sc)	Indiv/SC YP
NREVR08	Nicotine replacement product used in the past but not now: Electronic cigarette (c+sc)	Indiv/SC YP
NREVR09	Nicotine replacement product used in the past but not now: None of these (c+sc)	Indiv/SC YP
NDPEVRC	(D) Ever or Current use of E-cigarettes and/or NDPs, 16+yrs (c + sc)	Derived
HELPQUIT_1	Nicotine replacement product used to help stop smoking: Nicotine chewing gum	Indiv
HELPQUIT_2	Nicotine replacement product used to help stop smoking: Nicotine lozenges	Indiv
HELPQUIT_3	Nicotine replacement product used to help stop smoking: Nicotine patch	Indiv
HELPQUIT_4	Nicotine replacement product used to help stop smoking: Nicotine inhaler	Indiv
HELPQUIT_5	Nicotine replacement product used to help stop smoking: Nicotine mouthspray	Indiv
HELPQUIT_6	Nicotine replacement product used to help stop smoking: Nicotine nasal spray	Indiv
HELPQUIT_7	Nicotine replacement product used to help stop smoking: Another nicotine product	Indiv
HELPQUIT_8	Nicotine replacement product used to help stop smoking: Electronic cigarette	Indiv
HELPQUIT_9	Nicotine replacement product used to help stop smoking: None of these	Indiv
NRCUT_1	Nicotine replacement product used to help cut down amount smoke: Nicotine chewing gum (capi)	Indiv
NRCUT_2	Nicotine replacement product used to help cut down amount smoke: Nicotine lozenges (capi)	Indiv
NRCUT_3	Nicotine replacement product used to help cut down amount smoke: Nicotine patch (capi)	Indiv
NRCUT_4	Nicotine replacement product used to help cut down amount smoke: Nicotine inhaler (capi)	Indiv
NRCUT_5	Nicotine replacement product used to help cut down amount smoke: Nicotine mouthspray (capi)	Indiv
NRCUT_6	Nicotine replacement product used to help cut down amount smoke: Nicotine nasal spray (capi)	Indiv
NRCUT_7	Nicotine replacement product used to help cut down amount smoke: Another nicotine product (capi)	Indiv
NRCUT_8	Nicotine replacement product used to help cut down amount smoke: Electronic cigarette (capi)	Indiv
NRCUT_9	Nicotine replacement product used to help cut down amount smoke: None of these (capi)	Indiv
DNRCUT_1	Nicotine replacement product used to help cut down amount smoke: Nicotine chewing gum (sc)	SC YP
DNRCUT_2	Nicotine replacement product used to help cut down amount smoke: Nicotine lozenges (sc)	SC YP
DNRCUT_3	Nicotine replacement product used to help cut down amount smoke: Nicotine patch (sc)	SC YP
DNRCUT_4	Nicotine replacement product used to help cut down amount smoke: Nicotine inhaler (sc)	SC YP
DNRCUT_5	Nicotine replacement product used to help cut down amount smoke: Nicotine mouthspray (sc)	SC YP
DNRCUT_6	Nicotine replacement product used to help cut down amount smoke: Nicotine nasal spray (sc)	SC YP
DNRCUT_7	Nicotine replacement product used to help cut down amount smoke: Another nicotine product (sc)	SC YP
DNRCUT_8	Nicotine replacement product used to help cut down amount smoke: Electronic cigarette (sc)	SC YP
DNRCUT_9	Nicotine replacement product used to help cut down amount smoke: None of these (sc)	SC YP
NRTEMP_1	Nicotine replacement product used when not allowed to smoke: Nicotine chewing gum (capi)	Indiv
NRTEMP_2	Nicotine replacement product used when not allowed to smoke: Nicotine lozenges (capi)	Indiv
NRTEMP_3	Nicotine replacement product used when not allowed to smoke: Nicotine patch (capi)	Indiv
NRTEMP_4	Nicotine replacement product used when not allowed to smoke: Nicotine inhaler (capi)	Indiv
NRTEMP_5	Nicotine replacement product used when not allowed to smoke: Nicotine mouthspray (capi)	Indiv
NRTEMP_6	Nicotine replacement product used when not allowed to smoke: Nicotine nasal spray (capi)	Indiv
NRTEMP_7	Another nicotine replacement product used when not allowed to smoke(capi)	Indiv
NRTEMP_8	Nicotine replacement product used when not allowed to smoke: Electronic cigarette (capi)	Indiv
NRTEMP_9	None of these Nicotine replacement products used when not allowed to smoke (capi)	Indiv
DNRBAN_1	Nicotine replacement product used when not allowed to smoke: Nicotine chewing gum (sc)	SC YP

DNRBAN_2	Nicotine replacement product used when not allowed to smoke: Nicotine lozenges (sc)	SC YP
DNRBAN_3	Nicotine replacement product used when not allowed to smoke: Nicotine patch (sc)	SC YP
DNRBAN_4	Nicotine replacement product used when not allowed to smoke: Nicotine inhaler (sc)	SC YP
DNRBAN_5	Nicotine replacement product used when not allowed to smoke: Nicotine mouthspray (sc)	SC YP
DNRBAN_6	Nicotine replacement product used when not allowed to smoke: Nicotine nasal spray (sc)	SC YP
DNRBAN_7	Another nicotine replacement product used when not allowed to smoke (sc)	SC YP
DNRBAN_8	Nicotine replacement product used when not allowed to smoke: Electronic cigarette (sc)	SC YP
DNRBAN_9	None of these Nicotine replacement products used when not allowed to smoke (sc)	SC YP
PASTQUIT_1	Nicotine replacement product used during serious quit attempt: Nicotine chewing gum (capi)	Indiv
PASTQUIT_2	Nicotine replacement product used during serious quit attempt: Nicotine lozenges (capi)	Indiv
PASTQUIT_3	Nicotine replacement product used during serious quit attempt: Nicotine patch (capi)	Indiv
PASTQUIT_4	Nicotine replacement product used during serious quit attempt: Nicotine inhaler (capi)	Indiv
PASTQUIT_5	Nicotine replacement product used during serious quit attempt: Nicotine mouthspray (capi)	Indiv
PASTQUIT_6	Nicotine replacement product used during serious quit attempt: Nicotine nasal spray (capi)	Indiv
PASTQUIT_7	Another nicotine replacement product used during serious quit attempt (capi)	Indiv
PASTQUIT_8	Nicotine replacement product used during serious quit attempt: Electronic cigarette (capi)	Indiv
PASTQUIT_9	None of these nicotine replacement products used during serious quit attempt (capi)	Indiv
DNRQUI_1	Nicotine replacement product used during serious quit attempt: Nicotine chewing gum (c+sc)	Indiv/SC YP
DNRQUI_2	Nicotine replacement product used during serious quit attempt: Nicotine lozenges (c+sc)	Indiv/SC YP
DNRQUI_3	Nicotine replacement product used during serious quit attempt: Nicotine patch (c+sc)	Indiv/SC YP
DNRQUI_4	Nicotine replacement product used during serious quit attempt: Nicotine inhaler (c+sc)	Indiv/SC YP
DNRQUI_5	Nicotine replacement product used during serious quit attempt: Nicotine mouthspray (c+sc)	Indiv/SC YP
DNRQUI_6	Nicotine replacement product used during serious quit attempt: Nicotine nasal spray (c+sc)	Indiv/SC YP
DNRQUI_7	Nicotine replacement product used during serious quit attempt: Another nicotine product (c+sc)	Indiv/SC YP
DNRQUI_8	Nicotine replacement product used during serious quit attempt: Electronic cigarette (c+sc)	Indiv/SC YP
DNRQUI_9	Nicotine replacement product used during serious quit attempt: None of these (c+sc)	Indiv/SC YP

## Children General

Variable	Description	Source
EXPSMOK2	(D) Children's self reported exposure to other people's smoke, 0-15,4 groups	Derived
ADULTSMOKE	(D) Children live with at least one adult smoker, smokes at home on most days, binary (for children aged 4-15)	Derived
SMOKE415	(D) Self-reported child smokers aged 4-15 yrs, (4-7yrs assumed non-smoker)	Derived

## Children 8-15

Variable	Description	Source
ANRSM201	Often near people who smoke: At home	SC 8-15
ANRSM202	Often near people who smoke: In other people's homes	SC 8-15
ANRSM203	Often near people who smoke: In a car	SC 8-15
ANRSM204	Often near people who smoke: In the street	SC 8-15
ANRSM205	Often near people who smoke: Outdoor areas of pubs/cafes/restaurants	SC 8-15
ANRSM206	Often near people who smoke: Park/playing facilities	SC 8-15
ANRSM207	Often near people who smoke: Public places unspecified	SC 8-15
ANRSM208	Often near people who smoke: School	SC 8-15
ANRSM209	Often near people who smoke: In other places	SC 8-15
ANRSM297	Often near people who smoke: No, none of these	SC 8-15
ASMKBTHR	Being around smoke bother you	SC 8-15
KCIGREGG	(D) Frequency of cigarette smoking (8-15s) (grouped)	Derived
KCIGEVN	Whether ever smoked cigarettes (8-15s)	SC 8-15
KCIGAGE	Age first smoked a cigarette (8-15s)	SC 8-15
KCIGREG	Frequency and amount smoked (8-15s)	SC 8-15
KCIGWEEK	Whether smoked in previous week (8-15s)	SC 8-15
KCIGNUM	Number of cigarettes smoked last week (8-15s)	SC 8-15
CHEXPSM	Whether child carer smokes (0-12s)	Indiv

## Children 13-15

Variable	Description	Source
ANRNOW_1	Nicotine replacement products currently used: Nicotine chewing gum (children 13-15)	SC 13-15
ANRNOW_2	Nicotine replacement products currently used: Nicotine lozenges/ mini lozenges (children 13-15)	SC 13-15
ANRNOW_3	Nicotine replacement products currently used: Nicotine patch (children 13-15)	SC 13-15
ANRNOW_4	Nicotine replacement products currently used: Nicotine inhaler/inhalator (children 13-15)	SC 13-15
ANRNOW_5	Nicotine replacement products currently used: Nicotine mouthspray (children 13-15)	SC 13-15
ANRNOW_6	Nicotine replacement products currently used: Nicotine nasal spray (children 13-15)	SC 13-15
ANRNOW_7	Nicotine replacement products currently used: Other nicotine product (children 13-15)	SC 13-15
ANRNOW_8	Nicotine replacement products currently used: Electronic cigarette (children 13-15)	SC 13-15
ANRNOW_9	Nicotine replacement products currently used: None of these (children 13-15)	SC 13-15
ANREVR_1	Nicotine replacement products used in past but not now: Nicotine chewing gum (children 13-15)	SC 13-15
ANREVR_2	Nicotine replacement products used in past but not now: Nicotine lozenges/ mini lozenges (children 13-15)	SC 13-15
ANREVR_3	Nicotine replacement products used in past but not now: Nicotine patch (children 13-15)	SC 13-15
ANREVR_4	Nicotine replacement products used in past but not now: Nicotine inhaler/inhalator (children 13-15)	SC 13-15
ANREVR_5	Nicotine replacement products used in past but not now: Nicotine mouthspray (children 13-15)	SC 13-15
ANREVR_6	Nicotine replacement products used in past but not now: Nicotine nasal spray (children 13-15)	SC 13-15
ANREVR_7	Nicotine replacement products used in past but not now: Other nicotine product (children 13-15)	SC 13-15
ANREVR_8	Nicotine replacement products used in past but not now: Electronic cigarette (children 13-15)	SC 13-15
ANREVR_9	Nicotine replacement products used in past but not now: None of these (children 13-15)	SC 13-15
CURRENTNDPS	((D) Current use of nicotine delivery product(s) (NDP) (SC 13-15)	Derived

## Current Nicotine Status

Variable	Description	Source
SMOKE1	Currently smokes cigarettes	Nurse
SMOKE2	Currently smokes cigars	Nurse
SMOKE3	Currently smokes a pipe	Nurse
SMOKE4	Does not currently smoke	Nurse
LASTSMOK	How long is it since last smoked?	Nurse
SMOKEVRN	Ever regularly smoked a cigarette, a cigar or a pipe, at least one a day	Nurse
NCIGSTAT	(D) Cigarette Smoking at nurse interview , 16+yrs	Derived
NR7DAY_1	Nicotine products used in last 7 days: Nicotine chewing gum	Nurse
NR7DAY_2	Nicotine products used in last 7 days: Nicotine lozenges/mini lozenges	Nurse
NR7DAY_3	Nicotine products used in last 7 days: Nicotine patches	Nurse
NR7DAY_4	Nicotine products used in last 7 days: Nicotine inhaler/inhalator	Nurse
NR7DAY_5	Nicotine products used in last 7 days: Nicotine mouthspray	Nurse
NR7DAY_6	Nicotine products used in last 7 days: Nicotine nasal spray	Nurse
NR7DAY_7	Nicotine products used in last 7 days: Another nicotine product	Nurse
NR7DAY_8	Nicotine products used in last 7 days: Electronic cigarette	Nurse
NR7DAY_9	Nicotine products used in last 7 days: None	Nurse
NICUSE7D	(D) Used nicotine products in last 7 days, 16+yrs (nurse)	Derived

## Cotinine

Variable	Description	Source
SALINTR1	Consent to take saliva sample	Nurse
SALOBT1	Whether saliva sample obtained	Nurse
SALHOW	Method used to obtain saliva sample	Nurse
SALNOBT3	Sample not obtained: Not able to produce any saliva	Nurse
SALNOBT4	Sample not obtained: Other	Nurse
SALOUTC	Saliva sample outcome	Nurse
COTININE	Cotinine result	Lab



COTQUAL	Cotinine quality	Nurse
COTVAL	(D) Valid Cotinine (saliva)	Derived
COTVAL2	(D) Valid Cotinine (16+yrs, excl users of nicotine delivery products(NDP))	Derived
COT12VAL2	(D) Binary of valid cotinine levels at 12+ ng/ml (16+yrs, excl users of NDP)	Derived
COT12VAL3	(D) Binary of valid cotinine levels at 12+ ng/ml (16+, incl users of NDP)	Derived
COT12VALKIDS	(D) Cotinine below/above 12 ng/ml (children 4-15) excl current use of NDPs	Derived
UNDETECTCOT	(D) Binary of undetectable cotinine, <0.1ng/ml (16+yrs, excl users NDP)	Derived
DETECTCOT12CH	(D) Detectable cotinine for children, excl Current NDPs and smokers	Derived
SHSOUTC	(D) Detectable cotinine for children (3 groups), excl Current NDPs and smokers	Derived

# Social care

Help with tasks		
Variable	Description	Source
ANYHLP	Whether needed any help with tasks?	Indiv
TASKSA	Whether need help: Getting in and out of bed	Indiv
TASKSB	Whether need help: Washing face and hands	Indiv
TASKSC	Whether need help: Having a bath/shower, including getting in and out of bath/shower	Indiv
TASKSD	Whether need help: Dressing and undressing, including putting on shoes and socks	Indiv
TASKSE	Whether need help: Using the toilet	Indiv
TASKSF	Whether need help: Eating, including cutting up food	Indiv
TASKSG	Whether need help: Taking the right amount of medicine at the right times	Indiv
TASKSH	Whether need help: Getting around indoors	Indiv
TASKSI	Whether need help: Getting up and down stairs	Indiv
TASKSJ	Whether need help: Getting out of the house	Indiv
TASKSK	Whether need help: Shopping for food	Indiv
TASKSL	Whether need help: Doing routine housework or laundry	Indiv
TASKSM	Whether need help: Doing paperwork or paying bills	Indiv
TASKHELPA	Received help in last month: Getting in and out of bed	Indiv
TASKHELPA	Received help in last month: Washing face and hands	Indiv
TASKHELPC	Received help in last month: Having a bath or a shower	Indiv
TASKHELPA	Received help in last month: Dressing or undressing, including putting on shoes and socks	Indiv
TASKHELPE	Received help in last month: Using the toilet	Indiv
TASKHELPE	Received help in last month: Eating, including cutting up food	Indiv
TASKHELPG	Received help in last month: Taking the right amount of medicine at the right times	Indiv
TASKHELPH	Received help in last month: Getting around indoors	Indiv
TASKHELPI	Received help in last month: Getting up and down stairs	Indiv
TASKHELPI	Received help in last month: Getting out of the house	Indiv
TASKHELPI	Received help in last month: Shopping for food	Indiv
TASKHELPL	Received help in last month: Doing routine housework or laundry	Indiv
TASKHELPM	Received help in last month: Doing paperwork or paying bills	Indiv
HLPNUM	Derived number of activities Respondent has received help with in the last month	Indiv
HLPNUMB	Derived number of activities respondent has received help with in the last month, excluding shopping for food / housework / paperwork	Indiv
CHECKA2	Whether received help because of health, disability or age problems	Indiv
RECHLPI	(D) Did you receive help: Stairs (TASK I)	Derived
RECHLPH	(D) Did you receive help: Indoors (TASK H)	Derived
RECHLPA	(D) Did you receive help: Bed (TASK A)	Derived
RECHLPC	(D) Did you receive help: Shower (TASK C)	Derived
RECHLPD	(D) Did you receive help: Dress (TASK D)	Derived
RECHLPB	(D) Did you receive help: Wash (TASK B)	Derived
RECHLPE	(D) Did you receive help: Toilet (TASK E)	Derived
RECHLPG	(D) Did you receive help: Medicine (TASK G)	Derived
RECHLPF	(D) Did you receive help: Eat (TASK F)	Derived
RECHLPJ	(D) Did you receive help: House (TASK J)	Derived
RECHLPK	(D) Did you receive help: Shop (TASK K)	Derived
RECHLPL	(D) Did you receive help: Housework (TASK L)	Derived
RECHLPM	(D) Did you receive help: Paperwork (TASK M)	Derived
RECHELIBI	(D) Received help: Stairs (binary) (TASK I)	Derived
RECHELHBI	(D) Received help: Indoors (binary) (TASK H)	Derived
RECHELABI	(D) Received help: Bed (binary) (TASK A)	Derived
RECHELCBI	(D) Received help: Shower (binary) (TASK C)	Derived
RECHELDBI	(D) Received help: Dress (binary) (TASK D)	Derived
RECHELBBI	(D) Received help: Wash (binary) (TASK B)	Derived
RECHELEBI	(D) Received help: Toilet (binary) (TASK E)	Derived
RECHELGBI	(D) Received help: Medicine (binary) (TASK G)	Derived
RECHELFBI	(D) Received help: Eat (binary) (TASK F)	Derived
RECHELJBI	(D) Received help: House (binary) (TASK J)	Derived
RECHELKBI	(D) Received help: Shop (binary) (TASK K)	Derived
RECHELLBI	(D) Received help: Housework (binary) (TASK L)	Derived
RECHELMBI	(D) Received help: Paperwork (binary) (TASK M)	Derived
NDHLPI	(D) Need help (binary): Stairs (TASK I)	Derived
NDHLPH	(D) Need help (binary): Indoors (TASK H)	Derived
NDHLPA	(D) Need help (binary): Bed (TASK A)	Derived
NDHLPC	(D) Need help (binary): Shower (TASK C)	Derived
NDHLPD	(D) Need help (binary): Dress (TASK D)	Derived
NDHLPB	(D) Need help (binary): Wash (TASK B)	Derived

NDHLE	(D) Need help (binary): Toilet (TASK E)	Derived
NDHLEPG	(D) Need help (binary): Medicine (TASK G)	Derived
NDHLEPF	(D) Need help (binary): Eat (TASK F)	Derived
NDHLEPJ	(D) Need help (binary): House (TASK J)	Derived
NDHLEPK	(D) Need help (binary): Shop (TASK K)	Derived
NDHLEPL	(D) Need help (binary): Housework (TASK L)	Derived
NDHLEPM	(D) Need help(binary): Paperwork (TASK M)	Derived
ANYADL	(D) Needed help with any personal activities (ADLs)	Derived
ANYEXSH	(D) Needed help with any personal activities (ADLs excl bath or shower)	Derived
ANYEXSH2	(D) Needed help with any personal activities (ADLs excl bath or shower, toilet, indoors & stairs)	Derived
INDOORADL	(D) Needed help with any indoor activities (ADLs: Getting around indoors, getting up and down stairs)	Derived
ANYIADL	(D) Needed help with any instrumental activities (IADLs: getting out of house, food shopping, routine housework, doing paperwork/bills)	Derived
HELPAADL	(D) Received help with any indoor activities (ADLs: Getting around indoors, getting up and down stairs)	Derived
HELPEXSH	(D) Received help for any personal activities (ADLs excl bath or shower)	Derived
HELPEXSH2	(D) Received help for any personal activities (ADLs excl bath or shower, toilet, indoors & stairs)	Derived
HELPINDOOR	(D) Received help with any indoor activities (ADLs: Getting around indoors, getting up and down stairs)	Derived
HELPIADL	(D) Received help with any instrumental activities (IADLs: getting out of house, food shopping, routine housework, doing paperwork/bills)	Derived
UNMETI	(D) Unmet need: Stairs (TASK I)	Derived
UNMETH	(D) Unmet need: Stairs (TASK I)	Derived
UNMETA	(D) Unmet need: Bed (TASK A)	Derived
UNMETC	(D) Unmet need: Shower (TASK C)	Derived
UNMETD	(D) Unmet need: Dress (TASK D)	Derived
UNMETB	(D) Unmet need: Wash (TASK B)	Derived
UNMETE	(D) Unmet need: Toilet (TASK E)	Derived
UNMETG	(D) Unmet need: Medicine (TASK G)	Derived
UNMETF	(D) Unmet need: Eat (TASK F)	Derived
UNMETJ	(D) Unmet need: House (TASK J)	Derived
UNMETK	(D) Unmet need: Shop (TASK K)	Derived
UNMETL	(D) Unmet need: Housework (TASK L)	Derived
UNMETM	(D) Unmet need: Paperwork/Bills (TASK M)	Derived
UNADL	(D) Unmet need for any personal activities (ADLs)	Derived
UNADL2	(D) Whether any unmet need for any personal activities (ADLs)	Derived
UNIADL	(D) Unmet need for any instrumental activities (IADLs)	Derived
UNIADL2	(D) Whether any unmet need for any instrumental activities (IADLs)	Derived
BLADDPB	Whether suffer with bladder problems	Indiv
BOWELPB	Whether suffer with bowel problems	Indiv
BLADPROB	(D) Bladder problem - binary	Derived
BOWPROB	(D) Bowel problem - binary	Derived
BARTHEL	(D) Unmet need: Person's dep - Barthel Index of ADL	Derived
BARTGP	(D) Unmet need: Person's dep - Barthel Index ADL, rec	Derived
BARTGP2	(D) Unmet need: Person's dep - Barthel Index ADL, rec 2	Derived
BARTHEL5	(D) Unmet need: Person's dep - Barthel 5 Item Index ADL	Derived
BART5GP	(D) Unmet need: Person's dep - Bart 5 Item Index ADL, rec	Derived
BART5GP2	(D) Unmet need: Person's dep - Bart 5 Item Index ADL, rec 2	Derived
REHELP	(D) Received help with ADLs/IADLs in the last month	Derived

## Formal Help

Variable	Description	Source
HELPN21	Formal help provided: Home care helper/home help	Indiv
HELPN22	Formal help provided: A member of the reablement team helped	Indiv
HELPN23	Formal help provided: Occupational Therapist	Indiv
HELPN24	Formal help provided: Voluntary helper	Indiv
HELPN25	Formal help provided: Warden/Sheltered housing	Indiv
HELPN26	Formal help provided: Cleaner	Indiv
HELPN27	Formal help provided: Council's handyman	Indiv
HELPN28	Formal help provided: Other - please specify	Indiv
HELPN29	Formal help provided: None of these	Indiv
HLPFORM01	Formal help for bath: Home care worker/home help	Indiv
HLPFORM02	Formal help for bath: A member of the reablement team	Indiv
HLPFORM03	Formal help for bath: Occupational Therapist	Indiv
HLPFORM04	Formal help for bath: Voluntary helper	Indiv

HLPFORM05	Formal help for bath: Warden/Sheltered housing	Indiv
HLPFORM06	Formal help for bath: Cleaner	Indiv
HLPFORM07	Formal help for bath: Council's handyman	Indiv
HLPFORM08	Formal help for bath: Other	Indiv
HLPFORM09	Formal help for bath: None of the above	Indiv
HLPFORM10	Formal help ADLs apart from bath & toilet: Home care worker/home help	Indiv
HLPFORM11	Formal help ADLs apart from bath & toilet: A member of the reablement team	Indiv
HLPFORM12	Formal help ADLs apart from bath & toilet: Occupational Therapist	Indiv
HLPFORM13	Formal help ADLs apart from bath & toilet: Voluntary helper	Indiv
HLPFORM14	Formal help ADLs apart from bath & toilet: Warden/Sheltered housing	Indiv
HLPFORM15	Formal help ADLs apart from bath & toilet: Cleaner	Indiv
HLPFORM16	Formal help ADLs apart from bath & toilet: Council's handyman	Indiv
HLPFORM17	Formal help ADLs apart from bath & toilet: Other	Indiv
HLPFORM18	Formal help ADLs apart from bath & toilet: None of the above	Indiv
HLPFORM19	Formal help for indoor tasks: Home care worker/home help	Indiv
HLPFORM20	Formal help for indoor tasks: A member of the reablement team	Indiv
HLPFORM21	Formal help for indoor tasks: Occupational Therapist	Indiv
HLPFORM22	Formal help for indoor tasks: Voluntary helper	Indiv
HLPFORM23	Formal help for indoor tasks: Warden/Sheltered housing	Indiv
HLPFORM24	Formal help for indoor tasks: Cleaner	Indiv
HLPFORM25	Formal help for indoor tasks: Council's handyman	Indiv
HLPFORM26	Formal help for indoor tasks: Other	Indiv
HLPFORM27	Formal help for indoor tasks: None of the above	Indiv
HLPFORM28	Formal help for toilet: Home care worker/home help	Indiv
HLPFORM29	Formal help for toilet: A member of the reablement team	Indiv
HLPFORM30	Formal help for toilet: Occupational Therapist	Indiv
HLPFORM31	Formal help for toilet: Voluntary helper	Indiv
HLPFORM32	Formal help for toilet: Warden/Sheltered housing	Indiv
HLPFORM33	Formal help for toilet: Cleaner	Indiv
HLPFORM34	Formal help for toilet: Council's handyman	Indiv
HLPFORM35	Formal help for toilet: Other	Indiv
HLPFORM36	Formal help for toilet: None of the above	Indiv
HLPFORM37	Formal help for IADLs: Home care worker/home help	Indiv
HLPFORM38	Formal help for IADLs: A member of the reablement team	Indiv
HLPFORM39	Formal help for IADLs: Occupational Therapist	Indiv
HLPFORM40	Formal help for IADLs: Voluntary helper	Indiv
HLPFORM41	Formal help for IADLs: Warden/Sheltered housing	Indiv
HLPFORM42	Formal help for IADLs: Cleaner	Indiv
HLPFORM43	Formal help for IADLs: Council's handyman	Indiv
HLPFORM44	Formal help for IADLs: Other	Indiv
HLPFORM45	Formal help for IADLs: None of the above	Indiv
HHELP	Whether more than one home care worker/home help/personal assistant in last month	Indiv
HHELPB	Whether different home care workers do the same or different tasks	Indiv
HHELPC	Tasks carried out by home care worker: First	Indiv
HHELPC2	Tasks carried out by home care worker: Second	Indiv
HHELPC3	Tasks carried out by home care worker: Third	Indiv
MOREHC	Whether more home care workers/home helps/personal assistants	Indiv
DHELPHOHC	(D) Home care worker helped with ADLs (tasks A-I)	Derived
DHELPHOOT	(D) Other formal helper helped with ADLs (tasks A-I)	Derived
DHELPHONO	(D) No formal helpers helped with ADLs (tasks A-I)	Derived
DANYFO	(D) Any formal helper helped with ADL tasks (A-I)	Derived
DHELPHOHC I	(D) Home care worker helped with IADLs (tasks J-M)	Derived
DHELPHOOT I	(D) Other formal helper helped with IADLs (tasks J-M)	Derived
DHELPHONO I	(D) No formal helpers helped with IADLs (tasks J-M)	Derived
DANYFOI	(D) Any formal helper helped with IADL tasks (J-M)	Derived

## Informal help

Variable	Description	Source
HELPN01	Informal help provided: Husband/wife/partner	Indiv
HELPN02	Informal help provided: Son	Indiv
HELPN03	Informal help provided: Daughter	Indiv
HELPN04	Informal help provided: Grandchild	Indiv
HELPN05	Informal help provided: Brother/ sister	Indiv
HELPN06	Informal help provided: Niece/nephew	Indiv
HELPN07	Informal help provided: Mother / father	Indiv

HELPN08	Informal help provided: Other family member	Indiv
HELPN09	Informal help provided: Friend	Indiv
HELPN10	Informal help provided: Neighbour	Indiv
HELPN11	Informal help provided: None of these	Indiv
HLPINF01	Informal help for bath: Husband/wife/partner	Indiv
HLPINF02	Informal help for bath: Son	Indiv
HLPINF03	Informal help for bath: Daughter	Indiv
HLPINF04	Informal help for bath: Grandchild	Indiv
HLPINF05	Informal help for bath: Brother/sister	Indiv
HLPINF06	Informal help for bath: Niece/nephew	Indiv
HLPINF07	Informal help for bath: Mother/father	Indiv
HLPINF08	Informal help for bath: Other family member	Indiv
HLPINF09	Informal help for bath: Friend	Indiv
HLPINF10	Informal help for bath: Neighbour	Indiv
HLPINF11	Informal help for bath: None of the above	Indiv
HLPINF12	Informal help ADLs apart from bath & toilet: Husband/wife/partner	Indiv
HLPINF13	Informal help ADLs apart from bath & toilet: Son	Indiv
HLPINF14	Informal help ADLs apart from bath & toilet: Daughter	Indiv
HLPINF15	Informal help ADLs apart from bath & toilet: Grandchild	Indiv
HLPINF16	Informal help ADLs apart from bath & toilet: Brother/sister	Indiv
HLPINF17	Informal help ADLs apart from bath & toilet: Niece/nephew	Indiv
HLPINF18	Informal help ADLs apart from bath & toilet: Mother/father	Indiv
HLPINF19	Informal help ADLs apart from bath & toilet: Other family member	Indiv
HLPINF20	Informal help ADLs apart from bath & toilet: Friend	Indiv
HLPINF21	Informal help ADLs apart from bath & toilet: Neighbour	Indiv
HLPINF22	Informal help ADLs apart from bath & toilet: None of the above	Indiv
HLPINF23	Informal help for indoor tasks: Husband/wife/partner	Indiv
HLPINF24	Informal help for indoor tasks: Son	Indiv
HLPINF25	Informal help for indoor tasks: Daughter	Indiv
HLPINF26	Informal help for indoor tasks: Grandchild	Indiv
HLPINF27	Informal help for indoor tasks: Brother/sister	Indiv
HLPINF28	Informal help for indoor tasks: Niece/nephew	Indiv
HLPINF29	Informal help for indoor tasks: Mother/father	Indiv
HLPINF30	Informal help for indoor tasks: Other family member	Indiv
HLPINF31	Informal help for indoor tasks: Friend	Indiv
HLPINF32	Informal help for indoor tasks: Neighbour	Indiv
HLPINF33	Informal help for indoor tasks: None of the above	Indiv
HLPINF34	Informal help for toilet: Husband/wife/partner	Indiv
HLPINF35	Informal help for toilet: Son	Indiv
HLPINF36	Informal help for toilet: Daughter	Indiv
HLPINF37	Informal help for toilet: Grandchild	Indiv
HLPINF38	Informal help for toilet: Brother/sister	Indiv
HLPINF39	Informal help for toilet: Niece/nephew	Indiv
HLPINF40	Informal help for toilet: Mother/father	Indiv
HLPINF41	Informal help for toilet: Other family member	Indiv
HLPINF42	Informal help for toilet: Friend	Indiv
HLPINF43	Informal help for toilet: Neighbour	Indiv
HLPINF44	Informal help for toilet: None of the above	Indiv
HLPINF45	Informal help for IADLs: Husband/wife/partner	Indiv
HLPINF46	Informal help for IADLs: Son	Indiv
HLPINF47	Informal help for IADLs: Daughter	Indiv
HLPINF48	Informal help for IADLs: Grandchild	Indiv
HLPINF49	Informal help for IADLs: Brother/sister	Indiv
HLPINF50	Informal help for IADLs: Niece/nephew	Indiv
HLPINF51	Informal help for IADLs: Mother/father	Indiv
HLPINF52	Informal help for IADLs: Other family member	Indiv
HLPINF53	Informal help for IADLs: Friend	Indiv
HLPINF54	Informal help for IADLs: Neighbour	Indiv
HLPINF55	Informal help for IADLs: None of the above	Indiv
DHELPINSP	(D) Spouse/partner helped with ADLs (tasks A-I)	Derived
DHELPINSO	(D) Son helped with ADLs (tasks A-I)	Derived
DHELPINDA	(D) Daughter helped with ADLs (tasks A-I)	Derived
DHELPINFN	(D) Friend/Neighbour helped with ADLs (tasks A-I)	Derived
DHELPINOT	(D) Other member of the family helped with ADLs (tasks A-I)	Derived
DHELPINNO	(D) No informal helpers helped with ADLs (tasks A-I)	Derived
DANYINF	(D) An informal helper helped with ADLs (tasks A-I)	Derived
DHELPINSPI	(D) Spouse/partner helped with IADLs (tasks J-M)	Derived
DHELPINSOI	(D) Son helped with IADLs (tasks J-M)	Derived
DHELPINDAI	(D) Daughter helped with IADLs (tasks J-M)	Derived
DHELPINFNI	(D) Friend/neighbour helped with IADLs (tasks J-M)	Derived

DHELPINOTI	(D) Other family member helped with IADLs (tasks J-M)	Derived
DHELPINNOI	(D) No informal helper helped with IADLs (tasks J-M)	Derived
DANYINFI	(D) An informal helper helped with IADLs (tasks J-M)	Derived
DADLTYP	(D) Who provided ADL help (informal/formal helpers, tasks A-I)	Derived
DIADLTYP	(D) Who provided IADL help (informal/formal helpers, tasks J-M)	Derived

## Family helper information

Variable	Description	Source
HELPFAM	Spouse/partner: Whether lives in household	Indiv
NUMFAM	Spouse/partner: Person number	Indiv
SEXFAM	Spouse/partner: Sex	Indiv
HELPFAM2	Son: Whether lives in household	Indiv
NUMFAM2	Son: Person number	Indiv
SEXFAM2	Son: Sex	Indiv
HELPFAM3	2nd Son: Whether lives in household	Indiv
NUMFAM3	2nd Son: Person number	Indiv
SEXFAM3	2nd Son: Sex	Indiv
HELPFAM4	3rd Son: Whether lives in household	Indiv
NUMFAM4	3rd Son: Person number	Indiv
SEXFAM4	3rd Son: Sex	Indiv
HELPFAM5	Daughter: Whether lives in household	Indiv
NUMFAM5	Daughter: Person number	Indiv
SEXFAM5	Daughter: Sex	Indiv
HELPFAM6	2nd Daughter: Whether lives in household	Indiv
NUMFAM6	2nd Daughter: Person number	Indiv
SEXFAM6	2nd Daughter: Sex	Indiv
HELPFAM7	3rd Daughter: Whether lives in household	Indiv
NUMFAM7	3rd Daughter: Person number	Indiv
SEXFAM7	3rd Daughter: Sex	Indiv
HELPFAM8	Grandchild: Whether lives in household	Indiv
NUMFAM8	Grandchild: Person number	Indiv
SEXFAM8	Grandchild: Sex	Indiv
HELPFAM9	2nd Grandchild: Whether lives in household	Indiv
NUMFAM9	2nd Grandchild: Person number	Indiv
SEXFAM9	2nd Grandchild: Sex	Indiv
HELPFAM10	3rd Grandchild: Whether lives in household	Indiv
NUMFAM10	3rd Grandchild: Person number	Indiv
SEXFAM10	3rd Grandchild: Sex	Indiv
HELPFAM11	Brother/sister: Whether lives in household	Indiv
NUMFAM11	Brother/sister: Person number	Indiv
SEXFAM11	Brother/sister: Sex	Indiv
HELPFAM12	2nd Brother/sister: Whether lives in household	Indiv
NUMFAM12	2nd Brother/sister: Person number	Indiv
SEXFAM12	2nd Brother/sister: Sex	Indiv
HELPFAM13	3rd Brother/sister: Whether lives in household	Indiv
NUMFAM13	3rd Brother/sister: Person number	Indiv
SEXFAM13	3rd Brother/sister: Sex	Indiv
HELPFAM15	Niece/nephew: Whether lives in household	Indiv
NUMFAM15	Niece/nephew: Person number	Indiv
SEXFAM15	Niece/nephew: Sex	Indiv
HELPFAM16	2nd Niece/nephew: Whether lives in household	Indiv
NUMFAM16	2nd Niece/nephew: Person number	Indiv
SEXFAM16	2nd Niece/nephew: Sex	Indiv
HELPFAM17	3rd Niece/nephew: Whether lives in household	Indiv
NUMFAM17	3rd Niece/nephew: Person number	Indiv
SEXFAM17	3rd Niece/nephew: Sex	Indiv
HELPFAM18	Parent: Whether lives in household	Indiv
NUMFAM18	Parent: Person number	Indiv
SEXFAM18	Parent: Sex	Indiv
HELPFAM19	Other parent: Whether lives in household	Indiv
NUMFAM19	Other parent: Person number	Indiv
SEXFAM19	Other parent: Sex	Indiv
HELPFAM20	Other family member: Whether lives in household	Indiv
NUMFAM20	Other family member: Person number	Indiv
SEXFAM20	Other family member: Sex	Indiv
HELPFAM21	Friend: Whether lives in household	Indiv
NUMFAM21	Friend: Person number	Indiv

SEXFAM21	Friend: Sex	Indiv
HELPGA22	2nd Friend: Whether lives in household	Indiv
NUMFAM22	2nd Friend: Person number	Indiv
SEXFAM22	2nd Friend: Sex	Indiv
HELPGA23	3rd Friend: Whether lives in household	Indiv
NUMFAM23	3rd Friend: Person number	Indiv
SEXFAM23	3rd Friend: Sex	Indiv
HELPGA24	Neighbour: Whether lives in household	Indiv
NUMFAM24	Neighbour: Person number	Indiv
SEXFAM24	Neighbour: Sex	Indiv
HELPGA25	2nd Neighbour: Whether lives in household	Indiv
NUMFAM25	2nd Neighbour: Person number	Indiv
SEXFAM25	2nd Neighbour: Sex	Indiv
HELPGA26	3rd Neighbour: Whether lives in household	Indiv
NUMFAM26	3rd Neighbour: Person number	Indiv
SEXFAM26	3rd Neighbour: Sex	Indiv

### Amount of time helped - formal

Variable	Description	Source
HRSFORM27	Hours of help received in last week: Home care worker/home help/personal assistant	Indiv
HRSFORM28	Hours of help received in last week: 2nd home care worker/home help/personal assistant	Indiv
HRSFORM29	Hours of help received in last week: 3rd home care worker/home help/personal assistant	Indiv
HRSFORM30	Hours of help received in last week: Member of the reablement/intermediate care staff team	Indiv
HRSFORM31	Hours of help received in last week: Occupational therapist/physiotherapist	Indiv
HRSFORM32	Hours of help received in last week: Voluntary helper	Indiv
HRSFORM33	Hours of help received in last week: Warden/sheltered housing manager	Indiv
HRSFORM34	Hours of help received in last week: Cleaner	Indiv
HRSFORM35	Hours of help received in last week: Council's handyman	Indiv
HRSFORM36	Hours of help received in last week: Other	Indiv
HLPHRSF27G 9	Grouped hours of formal help received in last week (9 groups): Home care worker/home help/personal assistant	Indiv
HLPHRSF28G 9	Grouped hours of formal help received in last week(9 groups) : 2nd home care worker/home help/personal assistant	Indiv
HLPHRSF29G 9	Grouped hours of formal help received in last week(9 groups) : 3rd home care worker/home help/personal assistant	Indiv
HLPHRSF30G 9	Grouped hours of formal help received in last week(9 groups) : Member of the reablement/intermediate care staff team	Indiv
HLPHRSF31G 9	Grouped hours of formal help received in last week(9 groups) : Occupational therapist/physiotherapist	Indiv
HLPHRSF32G 9	Grouped hours of formal help received in last week(9 groups) : Voluntary helper	Indiv
HLPHRSF33G 9	Grouped hours of formal help received in last week(9 groups) : Warden/sheltered housing manager	Indiv
HLPHRSF34G 9	Grouped hours of formal help received in last week(9 groups) : Cleaner	Indiv
HLPHRSF35G 9	Grouped hours of formal help received in last week(9 groups) : Council's handyman	Indiv
HLPHRSF36G 9	Grouped hours of formal help received in last week(9 groups) : Other	Indiv
HLPHRSF27G 3	Grouped hours of formal help received in last week(3 groups) : Home care worker/home help/personal assistant	Indiv
HLPHRSF28G 3	Grouped hours of formal help received in last week(3 groups) : 2nd home care worker/home help/personal assistant	Indiv
HLPHRSF29G 3	Grouped hours of formal help received in last week(3 groups) : 3rd home care worker/home help/personal assistant	Indiv
HLPHRSF30G 3	Grouped hours of formal help received in last week(3 groups) : Member of the reablement/intermediate care staff team	Indiv
HLPHRSF31G 3	Grouped hours of formal help received in last week(3 groups) : Occupational therapist/physiotherapist	Indiv
HLPHRSF32G 3	Grouped hours of formal help received in last week(3 groups) : Voluntary helper	Indiv
HLPHRSF33G 3	Grouped hours of formal help received in last week(3 groups) : Warden/sheltered housing manager	Indiv
HLPHRSF34G 3	Grouped hours of formal help received in last week(3 groups) : Cleaner	Indiv
HLPHRSF35G 3	Grouped hours of formal help received in last week(3 groups) : Council's handyman	Indiv
HLPHRSF36G 3	Grouped hours of formal help received in last week(3 groups) : Other	Indiv

## Amount of time helped - Informal

Variable	Description	Source
HLPHRSI01G9	Grouped hours of informal help received in last week(9 groups) : Husband/wife/partner	Indiv
HLPHRSI02G9	Grouped hours of informal help received in last week(9 groups) : Son	Indiv
HLPHRSI03G9	Grouped hours of informal help received in last week(9 groups) : 2nd son	Indiv
HLPHRSI04G9	Grouped hours of informal help received in last week(9 groups) : 3rd son	Indiv
HLPHRSI05G9	Grouped hours of informal help received in last week(9 groups) : Daughter	Indiv
HLPHRSI06G9	Grouped hours of informal help received in last week(9 groups) : 2nd daughter	Indiv
HLPHRSI07G9	Grouped hours of informal help received in last week(9 groups) : 3rd daughter	Indiv
HLPHRSI08G9	Grouped hours of informal help received in last week(9 groups) : Grandchild	Indiv
HLPHRSI09G9	Grouped hours of informal help received in last week(9 groups) : 2nd grandchild	Indiv
HLPHRSI10G9	Grouped hours of informal help received in last week(9 groups) : 3rd grandchild	Indiv
HLPHRSI11G9	Grouped hours of informal help received in last week(9 groups) : brother/sister	Indiv
HLPHRSI12G9	Grouped hours of informal help received in last week(9 groups) : 2nd brother/sister	Indiv
HLPHRSI13G9	Grouped hours of informal help received in last week(9 groups) : 3rd brother/sister	Indiv
HLPHRSI15G9	Grouped hours of informal help received in last week(9 groups) : Niece/nephew	Indiv
HLPHRSI16G9	Grouped hours of informal help received in last week(9 groups) : 2nd niece/nephew	Indiv
HLPHRSI17G9	Grouped hours of informal help received in last week(9 groups) : 3rd niece/nephew	Indiv
HLPHRSI18G9	Grouped hours of informal help received in last week(9 groups) : Parent	Indiv
HLPHRSI19G9	Grouped hours of informal help received in last week(9 groups) : Other parent	Indiv
HLPHRSI20G9	Grouped hours of informal help received in last week(9 groups) : Other family member	Indiv
HLPHRSI21G9	Grouped hours of informal help received in last week(9 groups) : Friend	Indiv
HLPHRSI22G9	Grouped hours of informal help received in last week(9 groups) : 2nd friend	Indiv
HLPHRSI23G9	Grouped hours of informal help received in last week(9 groups) : 3rd friend	Indiv
HLPHRSI24G9	Grouped hours of informal help received in last week(9 groups) : Neighbour	Indiv
HLPHRSI25G9	Grouped hours of informal help received in last week(9 groups) : 2nd neighbour	Indiv
HLPHRSI26G9	Grouped hours of informal help received in last week(9 groups) : 3rd neighbour	Indiv
HLPHRSI01G3	Grouped hours of informal help received in last week(3 groups) : Husband/wife/partner	Indiv
HLPHRSI02G3	Grouped hours of informal help received in last week(3 groups) : Son	Indiv
HLPHRSI03G3	Grouped hours of informal help received in last week(3 groups) : 2nd son	Indiv
HLPHRSI04G3	Grouped hours of informal help received in last week(3 groups) : 3rd son	Indiv
HLPHRSI05G3	Grouped hours of informal help received in last week(3 groups) : Daughter	Indiv
HLPHRSI06G3	Grouped hours of informal help received in last week(3 groups) : 2nd daughter	Indiv
HLPHRSI07G3	Grouped hours of informal help received in last week(3 groups) : 3rd daughter	Indiv
HLPHRSI08G3	Grouped hours of informal help received in last week(3 groups) : Grandchild	Indiv
HLPHRSI09G3	Grouped hours of informal help received in last week(3 groups) : 2nd grandchild	Indiv
HLPHRSI10G3	Grouped hours of informal help received in last week(3 groups) : 3rd grandchild	Indiv
HLPHRSI11G3	Grouped hours of informal help received in last week(3 groups) : brother/sister	Indiv
HLPHRSI12G3	Grouped hours of informal help received in last week(3 groups) : 2nd brother/sister	Indiv
HLPHRSI13G3	Grouped hours of informal help received in last week(3 groups) : 3rd brother/sister	Indiv
HLPHRSI15G3	Grouped hours of informal help received in last week(3 groups) : Niece/nephew	Indiv
HLPHRSI16G3	Grouped hours of informal help received in last week(3 groups) : 2nd niece/nephew	Indiv
HLPHRSI17G3	Grouped hours of informal help received in last week(3 groups) : 3rd niece/nephew	Indiv
HLPHRSI18G3	Grouped hours of informal help received in last week(3 groups) : Parent	Indiv
HLPHRSI19G3	Grouped hours of informal help received in last week(3 groups) : Other parent	Indiv
HLPHRSI20G3	Grouped hours of informal help received in last week(3 groups) : Other family member	Indiv
HLPHRSI21G3	Grouped hours of informal help received in last week(3 groups) : Friend	Indiv
HLPHRSI22G3	Grouped hours of informal help received in last week(3 groups) : 2nd friend	Indiv
HLPHRSI23G3	Grouped hours of informal help received in last week(3 groups) : 3rd friend	Indiv
HLPHRSI24G3	Grouped hours of informal help received in last week(3 groups) : Neighbour	Indiv
HLPHRSI25G3	Grouped hours of informal help received in last week(3 groups) : 2nd neighbour	Indiv
HLPHRSI26G3	Grouped hours of informal help received in last week(3 groups) : 3rd neighbour	Indiv

## Patterns of care

Variable	Description	Source
CAFND1	Person that provides the most amount of help (formal or informal)	Indiv
CAFND2	Person that provides the 2nd most amount of help (formal or informal)	Indiv
CAHRS1	Hours worked by person that provides most help	Indiv
CAHRS2	Hours worked by person that provides 2nd most help	Indiv
LASTWK1	How often help received last week from person that provides most help	Indiv
OFTHelp1	How often usually receive help from person that provides most help	Indiv
TIMEDAY1	Number of times a day help received last week from person that provides most help	Indiv



DAYNIGHT1	Whether help provided during day or night last week from person that provides most help	Indiv
WEEKEND1	Whether help provided at weekends or weekdays last week from person that provides most help	Indiv
LASTWK2	How often help received last week from 2nd person that provides most help	Indiv
OFTHelp2	How often usually receive help from 2nd person that provides most help	Indiv
TIMEDAY2	Number of times a day help received last week from 2nd person that provides most help	Indiv
DAYNIGHT2	Whether help provided during day or night last week from 2nd person that provides most help	Indiv
WEEKEND2	Whether help provided at weekends or weekdays last week from 2nd person that provides most help	Indiv
MOSTHLPC	(D) Person who provides most help (grouped)	Derived
FREQHLP	(D) How often help received last week from person who provided most help, (incl. no help)	Derived
FREQHLP2	(D) Received help in the last week from person who provided most help, (incl. no help, binary)	Derived

Payment for care		
Variable	Description	Source
WHODEAL	Person who usually manages paying care provider	Indiv
HAVEDP1	Receives direct payments for care	Indiv
HAVEDP2	Council manages money for care	Indiv
HAVEDP3	Neither direct payments nor council manages money for care	Indiv
PERSB	Whether has Personal Budget	Indiv
INCASS	Whether had local authority/council income assessment or been means tested	Indiv
ANYPAY	Whether respondent or partner pays for formal help provided through LA	Indiv
PAYAMT1	Amount of money paid for formal help provided through LA	ndiv
PAYFREQ1	Reference period for amount paid for formal help through LA	ndiv
ALLCOST	Whether payment covers all or some of costs for formal help provided through LA	Indiv
HOWPAY1	How formal help costs (through LA) usually paid for: Personal income, savings, pension or benefit (such as Attendance Allowance)	Indiv
HOWPAY2	How formal help costs (through LA) usually paid for: Direct Payment/ Personal or Individual Budget from the Local Authority/ council	Indiv
HOWPAY3	How formal help costs (through LA) usually paid for: Another source	Indiv
ADDPAY1	Other contributions to cost of formal care (provided through LA): Local authority/council/social services	Indiv
ADDPAY2	Other contributions to cost of formal care (provided through LA): Family members own money	Indiv
ADDPAY3	Other contributions to cost of formal care (provided through LA): Other	Indiv
ADDPAY4	Other contributions to cost of formal care (provided through LA): No one else	Indiv
LAPAY1	Formal help paid directly by local authority/social services or council	Indiv
LAPAY2	Formal help provided through LA paid by Direct Payment or Personal Budget	Indiv
LAAMT1	Amount of money paid for formal help provided through LA	Indiv
LAFREQ1	Frequency of payment from direct payment/personal budget for formal help (through LA)	Indiv
NOPAY1	Reason no payment made for formal help (through LA): Provided help for free/no charge for service	Indiv
NOPAY2	Reason no payment made for formal help (through LA): Sometimes give them money or gifts	Indiv
NOPAY3	Reason no payment made for formal help (through LA): Other reason	Indiv
ANYPAY2	Whether respondent or partner pays for formal help not provided through LA or informal care (20+ hours in last week)	Indiv
PAYAMT2	Amount of money paid for formal help not provided through LA or informal care (20+ hours in last week)	Indiv
PAYFREQ2	Reference period for amount paid for help not provided through LA or informal care (20+ hours in last week)	Indiv
ALLCOST2	Whether payment covers all or some of costs for formal help not provided through LA or informal care (20+ hours in last week)	Indiv
HOWPAY4	How formal help costs (not through LA) or informal care (20+ hours) usually paid for: Personal income, savings, pension or benefit (such as Attendance Allowance)	Indiv
HOWPAY5	How formal help costs (not through LA) or informal care (20+ hours) usually paid for: Direct Payment/ Personal or Individual Budget from the Local Authority/ council	Indiv
HOWPAY6	How formal help costs (not through LA) or informal care (20+ hours) usually paid for: Another source	Indiv
ADDPAY5	Other contributions to cost of formal care (not through LA) or informal care (20+ hours): Local authority/council/social services	Indiv
ADDPAY6	Other contributions to cost of formal care (not through LA) or informal care (20+ hours): Family members own money	Indiv
ADDPAY7	Other contributions to cost of formal care (not through LA) or informal care (20+ hours): Other	Indiv
ADDPAY8	Other contributions to cost of formal care (not through LA) or informal care (20+ hours): No one else	Indiv
LAPAY3	Formal care (not through LA) or informal help (20+ hours in last week) paid directly by local authority/social services or council	Indiv
LAPAY4	Formal care (not through LA) or informal help (20+ hours in last week) paid by Direct	Indiv

	Payment or Personal Budget	
LAAMT2	Amount of money paid from direct payment/personal budget for formal care (not through la) or informal care (20+ hours)	Indiv
LAFREQ2	Frequency of payment from direct payment/personal budget for formal care (not through la) or informal care (20+ hours)	Indiv
NOPAY4	Reason no payment made for formal care (not through la) or informal care (20+ hours): provided help for free/no charge for service	Indiv
NOPAY5	Reason no payment made for formal care (not through la) or informal care (20+ hours): simetimes give them money or gifts	Indiv
NOPAY6	Reason no payment made for formal care (not through la) or informal care (20+ hours): other reason	Indiv
ANYPAY3	Whether respondent or partner pays for help from additional provider	Indiv
PAYAMT3	Amount of money paid for help from additional provider	Indiv
PAYFREQ3	Reference period for amount paid for help from additional provider	Indiv
ALLCOST3	Whether payment covers all or some of costs for help from additional provider	Indiv
HOWPAY7	How additional provider help costs usually paid for: Personal income, savings, pension or benefit (such as Attendance Allowance)	Indiv
HOWPAY8	How additional provider help costs usually paid for: Direct Payment/ Personal or Individual Budget from the Local Authority/ council	Indiv
HOWPAY9	How additional provider help costs usually paid for: Another source	Indiv
ADDPAY9	Other contributions to cost of additional provider care: Local authority/council/social services	Indiv
ADDPAY10	Other contributions to cost of additional provider care: Family members own money	Indiv
ADDPAY11	Other contributions to cost of additional provider care: Other	Indiv
ADDPAY12	Other contributions to cost of additional provider care: No one else	Indiv
LAPAY5	Additional provider care paid directly by local authority/social services or council	Indiv
LAPAY6	Additional provider care paid by Direct Payment or Personal Budget	Indiv
LAAMT3	Amount of money paid from direct payment/personal budget for additional provider help costs	Indiv
LAFREQ3	Frequency of payment from direct payment/personal budget for additional provider help costs	Indiv
NOPAY7	Reason no payment made for additional provider help costs: Provided help for free/no charge for service	Indiv
NOPAY8	Reason no payment made for additional provider help costs: Simetimes give them money or gifts	Indiv
NOPAY9	Reason no payment made for additional provider help costs: Other reason	Indiv
LACARE	(D) Payment arrangement for care	Derived

## How help was arranged

Variable	Description	Source
LAHELP01	How help from homecare worker was arranged (only one homecare worker)	Indiv
LAHELP02	How help from 1st homecare worker was arranged	Indiv
LAHELP03	How help from 2nd homecare worker was arranged	Indiv
LAHELP04	How help from 3rd homecare worker was arranged	Indiv
LAHELP05	How help from reablement team was arranged	Indiv
LAHELP06	How help from occupational therapist/physiotherapist was arranged	Indiv
LAHELP07	How help from voluntary worker was arranged	Indiv
LAHELP08	How help from warden/sheltered housing manager was arranged	Indiv
LAHELP09	How help from cleaner was arranged	Indiv
LAHELP10	How help from council handyman was arranged	Indiv
LAHELP11	How help from other source was arranged	Indiv

## Use of care services

Variable	Description	Source
WHOANS	Whether respondent answered on own	Indiv
MEALPROV	Whether regularly had main meals provided in last month	Indiv
MEALS1	Who provided meals: Meals on Wheels	Indiv
MEALS2	Who provided meals: Private frozen meal provider	Indiv
MEALS3	Who provided meals: Family/friend/neighbour	Indiv
MEALS4	Who provided meals: Other	Indiv
MEALS5	Who provided meals: None of these	Indiv
MWTIMESC	How often ate meals on wheels in last month	Indiv
LNCHCLUB	Whether attended lunch club run by council or voluntary body in last month	Indiv
LCTIMES	How often attended lunch club in last month	Indiv
DAYCEN	Whether attended Day Centre in last month	Indiv
CENTIMES	How often been to day centre in last month	Indiv
CENDUR	Average number of hours spend at day centre	Indiv
PRODUCE01	Food delivered in last month by: Internet/telephone food delivery e.g. Tesco, Ocado	Indiv

PRODUCE02	Food delivered in last month by: Milkman delivering food	Indiv
PRODUCE03	Food delivered in last month by: Vegetable delivery company e.g. Abel & Cole, Riverford	Indiv
PRODUCE04	Food delivered in last month by: Family, friend or neighbour brought shopping to house	Indiv
PRODUCE05	Food delivered in last month by: Other	Indiv
PRODUCE06	Food delivered in last month by: None of the above	Indiv

## Identifying care providers

Variable	Description	Source
PROVHLP	Whether personally provided help to anyone with long-term physical/mental ill-health, disability or problems relating to old age in last month	Indiv
CHECKHLP	Confirm help is because person/people have long-term physical/mental ill-health, disability or problems relating to old age	Indiv
HELPNO	Number of people provide help to	Indiv
NUMCOLD	Computed number of people 65+ cared for	Indiv
NUMCYNG	Computed number of people aged up to 64 cared for	Indiv

## Carers information

Variable	Description	Source
PR1REL	Carers relationship to person they help	Indiv
PRHHOLD	Whether carer lives in same or different household	Indiv
NUMHLP	Person number they help	Indiv
AGEHLP	Age of person they help	Indiv
GENDHLP	Sex of person they help	Indiv
PR2REL	Carers relationship to 2nd person they help	Indiv
PRHHOLD2	Whether carer lives in same or different household to 2nd person they help	Indiv
NUMHLP2	Person number of 2nd person they help	Indiv
AGEHLP2	Age of person 2nd person they help	Indiv
GENDHLP2	Sex of person 2nd person they help	Indiv
PR3REL	Carers relationship to 3rd person they help	Indiv
PRHHOLD3	Whether carer lives in same or different household to 3rd person they help	Indiv
NUMHLP3	Person number of 3rd person they help	Indiv
AGEHLP3	Age of 3rd person they help	Indiv
GENDHLP3	Sex of person 3rd person they help	Indiv

## Carers time

Variable	Description	Source
PRHOURS	Hours helped 1st person in the last week	Indiv
PRHOURSB	Hours helped 1st person in the last week (3 groups)	Indiv
PRUSHRS	Hours helped 1st person in a usual week	Indiv
PRHOURS2	Hours helped 2nd person in the last week	Indiv
PRHOURS3	Hours helped 2nd person in the last week (3 groups)	Indiv
PRUSHRS2	Hours helped 2nd person in a usual week	Indiv
PRHOURS4	Hours helped 3rd person in the last week	Indiv
PRHOURS5	Hours helped 3rd person in the last week (3 groups)	Indiv
PRUSHRS3	Hours helped 3rd person in a usual week	Indiv
PRALLHOUR	Number of hours spent helping in last week	Indiv
PRALLRNG	Number of hours spent helping in last week (8 groups)	Indiv
SPHR6	(D) Grouped spouse hours who helped (6 groups, 50+)	Derived
SPHR10	(D) Grouped spouse hours who helped (4 groups, 10+)	Derived
SPHR20	(D) Grouped spouse hours who helped (4 groups, 20+)	Derived
SOHR6	(D) Grouped, hours of help provided in the last week by son who helped the most (6 groups, 50+)	Derived
SOHR10	(D) Grouped, hours of help provided in the last week by son who helped the most (4 groups, 10+)	Derived
SOHR20	(D) Grouped, hours of help provided in the last week by son who helped the most (4 groups, 20+)	Derived
SONHRS	(D) Grouped, hours of help provided in the last week by the son who helped the most (9 groups)	Derived
SONMOST	(D) Son who provided the most hours of care	Derived
DAHR6	(D) Grouped, hours of help provided in the last week by daughter who helped the most (6 groups, 50+)	Derived
DAHR10	(D) Grouped, hours of help provided in the last week by daughter who helped the most (4 groups, 10+)	Derived
DAHR20	(D) Grouped, hours of help provided in the last week by daughter who helped the most (4 groups, 20+)	Derived

DAHRS	(D) Grouped, hours of help provided in the last week by daughter who helped the most (9 groups)	Derived
DAMOST	(D) Daughter who provided the most hours of care	Derived
OTHR6	(D) Grouped, hours of help provided in the last week by other family member who helped the most (6 groups, 50+)	Derived
OTHR10	(D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 10+)	Derived
OTHR20	(D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 20+)	Derived
OTHR5	(D) Grouped, hours of help provided in the last week by other family member who helped the most (9 groups)	Derived
OTMOST	(D) Other family member who provided most hours of care	Derived
FNHR6	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (6 groups, 50+)	Derived
FNHR10	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 10+)	Derived
FNHR20	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 20+)	Derived
FNHRS	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (9 groups)	Derived
FNMOST	Other friend or neighbour who provided most hours of care	Derived
HCHR6	(D) Home care worker hours of help (grouped)	Derived
HCHR10	(D) Home care worker 10+ hours of help	Derived
HCHR20	(D) Home care worker 20+ hours of help	Derived
HCMOST	(D) Home care worker who gave most hours of care	Derived
HCHRS1	(D) Hours of help provided in the last week by home care worker who helped the most	Derived
HCHRS	(D) Grouped hours of help, for home care worker who helped the most	Derived

Carers tasks		
Variable	Description	Source
PRTASK1	Task helped care recipient 1 with: Bed	Indiv
PRTASK2	Task helped care recipient 1 with: Washing	Indiv
PRTASK3	Task helped care recipient 1 with: Bath/shower	Indiv
PRTASK4	Task helped care recipient 1 with: Dressing	Indiv
PRTASK5	Task helped care recipient 1 with: Toilet	Indiv
PRTASK6	Task helped care recipient 1 with: Eating	Indiv
PRTASK7	Task helped care recipient 1 with: Medicine	Indiv
PRTASK8	Task helped care recipient 1 with: Indoors	Indiv
PRTASK9	Task helped care recipient 1 with: Stairs	Indiv
PRTASK10	Task helped care recipient 1 with: Getting out of the house	Indiv
PRTASK11	Task helped care recipient 1 with: Shopping	Indiv
PRTASK12	Task helped care recipient 1 with: Housework	Indiv
PRTASK13	Task helped care recipient 1 with: Paperwork	Indiv
PRTASK14	Task helped care recipient 2 with: Bed	Indiv
PRTASK15	Task helped care recipient 2 with: Washing	Indiv
PRTASK16	Task helped care recipient 2 with: Bath/shower	Indiv
PRTASK17	Task helped care recipient 2 with: Dressing	Indiv
PRTASK18	Task helped care recipient 2 with: Toilet	Indiv
PRTASK19	Task helped care recipient 2 with: Eating	Indiv
PRTASK20	Task helped care recipient 2 with: Medicine	Indiv
PRTASK21	Task helped care recipient 2 with: Indoors	Indiv
PRTASK22	Task helped care recipient 2 with: Stairs	Indiv
PRTASK23	Task helped care recipient 2 with: Getting out of the house	Indiv
PRTASK24	Task helped care recipient 2 with: Shopping	Indiv
PRTASK25	Task helped care recipient 2 with: Housework	Indiv
PRTASK26	Task helped care recipient 2 with: Paperwork	Indiv
PRTASK27	Task helped care recipient 3 with: Bed	Indiv
PRTASK28	Task helped care recipient 3 with: Washing	Indiv
PRTASK29	Task helped care recipient 3 with: Bath/shower	Indiv
PRTASK30	Task helped care recipient 3 with: Dressing	Indiv
PRTASK31	Task helped care recipient 3 with: Toilet	Indiv
PRTASK32	Task helped care recipient 3 with: Eating	Indiv
PRTASK33	Task helped care recipient 3 with: Medicine	Indiv
PRTASK34	Task helped care recipient 3 with: Indoors	Indiv
PRTASK35	Task helped care recipient 3 with: Stairs	Indiv
PRTASK36	Task helped care recipient 3 with: Getting out of the house	Indiv
PRTASK37	Task helped care recipient 3 with: Shopping	Indiv
PRTASK38	Task helped care recipient 3 with: Housework	Indiv

PRTASK39	Task helped care recipient 3 with: Paperwork	Indiv
REC1PAY1	Receive money for helping recipient 1: Yes, paid from income /savings/ pension	Indiv
REC1PAY2	Receive money for helping recipient 1: Yes, paid from personal budget/ direct payment	Indiv
REC1PAY3	Receive money for helping recipient 1: Yes, receive carers allowance	Indiv
REC1PAY4	Receive money for helping recipient 1: Yes, receive money in another way	Indiv
REC1PAY5	Receive money for helping recipient 1: No, receive no money for helping	Indiv
REC2PAY1	Receive money for helping recipient 2: Yes, paid from income /savings/ pension	Indiv
REC2PAY2	Receive money for helping recipient 2: Yes, paid from personal budget/ direct payment	Indiv
REC2PAY3	Receive money for helping recipient 2: Yes, receive carers allowance	Indiv
REC2PAY4	Receive money for helping recipient 2: Yes, receive money in another way	Indiv
REC2PAY5	Receive money for helping recipient 2: No, receive no money for helping	Indiv
REC3PAY1	Receive money for helping recipient 3: Yes, paid from income /savings/ pension	Indiv
REC3PAY2	Receive money for helping recipient 3: Yes, paid from personal budget/ direct payment	Indiv
REC3PAY3	Receive money for helping recipient 3: Yes, receive carers allowance	Indiv
REC3PAY4	Receive money for helping recipient 3: Yes, receive money in another way	Indiv
REC3PAY5	Receive money for helping recipient 3: No, receive no money for helping	Indiv
REC1PFRQ	Frequency receive payment for helping recipient 1	Indiv
REC2PFRQ	Frequency receive payment for helping recipient 2	Indiv
REC3PFRQ	Frequency receive payment for helping recipient 3	Indiv
REC1AMT	Amount received for helping recipient 1	Indiv
REC2AMT	Amount received for helping recipient 2	Indiv
REC3AMT	Amount received for helping recipient 3	Indiv
REC1SUPP1	Support received by recipient 1: Attends day centre/lunch club	Indiv
REC1SUPP2	Support received by recipient 1: Professional care staff	Indiv
REC1SUPP3	Support received by recipient 1: Meals on wheels	Indiv
REC1SUPP4	Support received by recipient 1: Nurse/Health visitor	Indiv
REC1SUPP5	Support received by recipient 1: Lives in sheltered housing	Indiv
REC1SUPP6	Support received by recipient 1: Other type of help or support	Indiv
REC1SUPP7	Support received by recipient 1: None of these	Indiv
REC2SUPP1	Support received by recipient 2: Attends day centre/lunch club	Indiv
REC2SUPP2	Support received by recipient 2: Professional care staff	Indiv
REC2SUPP3	Support received by recipient 2: Meals on wheels	Indiv
REC2SUPP4	Support received by recipient 2: Nurse/Health visitor	Indiv
REC2SUPP5	Support received by recipient 2: Lives in sheltered housing	Indiv
REC2SUPP6	Support received by recipient 2: Other type of help or support	Indiv
REC2SUPP7	Support received by recipient 2: None of these	Indiv
REC3SUPP1	Support received by recipient 3: Attends day centre/lunch club	Indiv
REC3SUPP2	Support received by recipient 3: Professional care staff	Indiv
REC3SUPP3	Support received by recipient 3: Meals on wheels	Indiv
REC3SUPP4	Support received by recipient 3: Nurse/Health visitor	Indiv
REC3SUPP5	Support received by recipient 3: Lives in sheltered housing	Indiv
REC3SUPP6	Support received by recipient 3: Other type of help or support	Indiv
REC3SUPP7	Support received by recipient 3: None of these	Indiv

Carers support		
Variable	Description	Source
SUPPORT1	Carer received help from GP or nurse (P1)	Indiv
SUPPORT2	Carer received help from access to respite care (P1)	Indiv
SUPPORT3	Carer received help from professional care staff (P1)	Indiv
SUPPORT4	Carer received help from carers' organisation or charity (P1)	Indiv
SUPPORT5	Carer received help from other family members (P1)	Indiv
SUPPORT6	Carer received help from LA/social services (P1)	Indiv
SUPPORT7	Carer received help from friends/neighbours (P1)	Indiv
SUPPORT8	Carer received no help from these types of support (P1)	Indiv
SUPPORT9	Carer received help from GP or nurse (P2)	Indiv
SUPPORT10	Carer received help from access to respite care (P2)	Indiv
SUPPORT11	Carer received help from professional care staff (P2)	Indiv
SUPPORT12	Carer received help from carers' organisation or charity (P2)	Indiv
SUPPORT13	Carer received help from other family members (P2)	Indiv
SUPPORT14	Carer received help from LA/social services (P2)	Indiv
SUPPORT15	Carer received help from friends/neighbours (P2)	Indiv
SUPPORT16	Carer received no help from these types of support (P2)	Indiv
SUPPORT17	Carer received help from GP or nurse (P3)	Indiv
SUPPORT18	Carer received help from access to respite care (P3)	Indiv
SUPPORT19	Carer received help from professional care staff (P3)	Indiv
SUPPORT20	Carer received help from carers' organisation or charity (P3)	Indiv
SUPPORT21	Carer received help from other family members (P3)	Indiv

SUPPOR22	Carer received help from LA/social services (P3)	Indiv
SUPPOR23	Carer received help from friends/neighbours (P3)	Indiv
SUPPOR24	Carer received no help from these types of support (P3)	Indiv

## Carers health

Variable	Description	Source
HEALTHA1	Tired because of help given (last 3 months)	Indiv
HEALTHA2	Depressed because of help given (last 3 months)	Indiv
HEALTHA3	Loss of appetite because of help given (last 3 months)	Indiv
HEALTHA4	Disturbed sleep because of help given (last 3 months)	Indiv
HEALTHA5	General stress because of help given (last 3 months)	Indiv
HEALTHA6	Physical strain because of help given (last 3 months)	Indiv
HEALTHA7	Short tempered because of help given (last 3 months)	Indiv
HEALTHA8	Developed health condition because of help given (last 3 months)	Indiv
HEALTHA9	Made existing condition worse because of help given (last 3 months)	Indiv
HEALTH10	Other health affect because of help given (last 3 months)	Indiv
HEALTH11	No health affect because of help given (last 3 months)	Indiv
HEALTHGP	Whether seen GP due to health being affected by support given to people	Indiv
HLTHEMP1	Left employment because of help given	Indiv
HLTHEMP2	Took new job because of help given	Indiv
HLTHEMP3	Worked fewer hours because of help given	Indiv
HLTHEMP4	Reduced responsibility at work because of help given	Indiv
HLTHEMP5	Flexible employment agreed because of help given	Indiv
HLTHEMP6	Changed to work at home because of help given	Indiv
HLTHEMP7	Other employment affect because of help given	Indiv
HLTHEMP8	Employment not affected because of help given	Indiv
LAASS	Whether Local Authority carried out carer's assessment as a result of help given to people	Indiv

## Aids and equipment at home

Variable	Description	Source
SENALARM	Whether have an alarm that can call for help	Indiv
STAIRLIFT	Whether have a stairlift at home	Indiv
EQUIP2	Whether have used or received equipment/adaptations to help with daily living	Indiv
WHEQUIP01	Type of equipment/adaptation: Bed lever or bed rail	Indiv
WHEQUIP02	Type of equipment/adaptation: Toilet equipment or commode	Indiv
WHEQUIP03	Type of equipment/adaptation: Hoist	Indiv
WHEQUIP04	Type of equipment/adaptation: Outdoor railing	Indiv
WHEQUIP05	Type of equipment/adaptation: Outdoor ramp	Indiv
WHEQUIP06	Type of equipment/adaptation: Grab rail or stair rail	Indiv
WHEQUIP07	Type of equipment/adaptation: Bath or shower seat	Indiv
WHEQUIP08	Type of equipment/adaptation: Changes to the kitchen	Indiv
WHEQUIP09	Type of equipment/adaptation: Other	Indiv
WHEQUIP2_01	(D) Whether have bed lever or bed rail, including those who had no types of equipment/adaptations	Derived
WHEQUIP2_02	(D) Whether have toilet equipment or commode, including those who had no types of equipment/adaptations	Derived
WHEQUIP2_03	(D) Whether have hoist, including those who had no types of equipment/adaptations	Derived
WHEQUIP2_04	(D) Whether have outdoor railing, including those who had no types of equipment/adaptations	Derived
WHEQUIP2_05	(D) Whether have outdoor ramp, including those who had no types of equipment/adaptations	Derived
WHEQUIP2_06	(D) Whether have grab rail or stair rail, including those who had no types of equipment/adaptations	Derived
WHEQUIP2_07	(D) Whether have bath or shower seat, including those who had no types of equipment/adaptations	Derived
WHEQUIP2_08	(D) Whether have had changes to kitchen, including those who had no types of equipment/adaptations	Derived
WHEQUIP2_09	(D) Whether have other equipment or adaptations, including those who had no types of equipment/adaptations	Derived
NUMEQUIP	(D) Number of types equipment/adaptations provided or have	Derived
AIDSEQUIP	(D) No Aids or specialist equipment used, binary	Derived
HOA1_1	Bed lever/rail paid for by: Health Service (NHS)	Indiv
HOA1_2	Bed lever/rail paid for by: Social services	Indiv
HOA1_3	Bed lever/rail paid for by: Recipient/spouse/partner	Indiv

HOA11_4	Bed lever/rail paid for by: Landlord/housing association	Indiv
HOA11_5	Bed lever/rail paid for by: Modification already at the property	Indiv
HOA11_6	Bed lever/rail paid for by: Other	Indiv
HOA12_1	Toilet equipment/commode paid for by: Health Service (NHS)	Indiv
HOA12_2	Toilet equipment/commode paid for by: Social services	Indiv
HOA12_3	Toilet equipment/commode paid for by: Recipient/spouse/partner	Indiv
HOA12_4	Toilet equipment/commode paid for by: Landlord/housing association	Indiv
HOA12_5	Toilet equipment/commode paid for by: Modification already at the property	Indiv
HOA12_6	Toilet equipment/commode paid for by: Other	Indiv
HOA13_1	Hoist paid for by: Health Service (NHS)	Indiv
HOA13_2	Hoist paid for by: Social services	Indiv
HOA13_3	Hoist paid for by: Recipient/spouse/partner	Indiv
HOA13_4	Hoist paid for by: Landlord/housing association	Indiv
HOA13_5	Hoist paid for by: Modification already at the property	Indiv
HOA13_6	Hoist paid for by: Other	Indiv
HOA14_1	Outdoor railing paid for by: Health Service (NHS)	Indiv
HOA14_2	Outdoor railing paid for by: Social services	Indiv
HOA14_3	Outdoor railing paid for by: Recipient/spouse/partner	Indiv
HOA14_4	Outdoor railing paid for by: Landlord/housing association	Indiv
HOA14_5	Outdoor railing paid for by: Modification already at the property	Indiv
HOA14_6	Outdoor railing paid for by: Other	Indiv
HOA15_1	Outdoor ramp paid for by: Health Service (NHS)	Indiv
HOA15_2	Outdoor ramp paid for by: Social services	Indiv
HOA15_3	Outdoor ramp paid for by: Recipient/spouse/partner	Indiv
HOA15_4	Outdoor ramp paid for by: Landlord/housing association	Indiv
HOA15_5	Outdoor ramp paid for by: Modification already at the property	Indiv
HOA15_6	Outdoor ramp paid for by: Other	Indiv
HOA16_1	Grab/stair rail paid for by: Health Service (NHS)	Indiv
HOA16_2	Grab/stair rail paid for by: Social services	Indiv
HOA16_3	Grab/stair rail paid for by: Recipient/spouse/partner	Indiv
HOA16_4	Grab/stair rail paid for by: Landlord/housing association	Indiv
HOA16_5	Grab/stair rail paid for by: Modification already at the property	Indiv
HOA16_6	Grab/stair rail paid for by: Other	Indiv
HOA17_1	Bath/shower seat paid for by: Health Service (NHS)	Indiv
HOA17_2	Bath/shower seat paid for by: Social services	Indiv
HOA17_3	Bath/shower seat paid for by: Recipient/spouse/partner	Indiv
HOA17_4	Bath/shower seat paid for by: Landlord/housing association	Indiv
HOA17_5	Bath/shower seat paid for by: Modification already at the property	Indiv
HOA17_6	Bath/shower seat paid for by: Other	Indiv
HOA18_1	Changes to kitchen paid for by: Health Service (NHS)	Indiv
HOA18_2	Changes to kitchen paid for by: Social services	Indiv
HOA18_3	Changes to kitchen paid for by: Recipient/spouse/partner	Indiv
HOA18_4	Changes to kitchen paid for by: Landlord/housing association	Indiv
HOA18_5	Changes to kitchen paid for by: Modification already at the property	Indiv
HOA18_6	Changes to kitchen paid for by: Other	Indiv
HOA19_1	Other adaptation paid for by: Health Service (NHS)	Indiv
HOA19_2	Other adaptation paid for by: Social services	Indiv
HOA19_3	Other adaptation paid for by: Recipient/spouse/partner	Indiv
HOA19_4	Other adaptation paid for by: Landlord/housing association	Indiv
HOA19_5	Other adaptation paid for by: Modification already at the property	Indiv
HOA19_6	Other adaptation paid for by: Other	Indiv
MOBILITY01	Type of mobility aid currently used: Manual wheelchair	Indiv
MOBILITY02	Type of mobility aid currently used: Electric wheelchair	Indiv
MOBILITY03	Type of mobility aid currently used: Mobility scooter	Indiv
MOBILITY04	Type of mobility aid currently used: Elbow crutches	Indiv
MOBILITY05	Type of mobility aid currently used: Walking stick	Indiv
MOBILITY06	Type of mobility aid currently used: Zimmer frame or other walking frame	Indiv
MOBILITY07	Type of mobility aid currently used: Other	Indiv
MOBILITY08	Type of mobility aid currently used: None of these	Indiv
WCHAIR	Whether needs help managing wheelchair	Indiv
HANDYMAN	Whether used Local Authority Handy Man service in last 3 months	Indiv
SHELTTYPE	Whether live in any type of supported housing	Indiv

# End of Life

## General

Variable	Description	Source
TERMILL	Whether anyone close has died of a terminal illness in last 5 years	Indiv
WHATILL_1	Type of illness they died from: Emphysema/other lung disease	Indiv
WHATILL_2	Type of illness they died from: End stage heart failure	Indiv
WHATILL_3	Type of illness they died from: End stage liver failure	Indiv
WHATILL_4	Type of illness they died from: Cancer	Indiv
WHATILL_5	Type of illness they died from: Motor neurone disease/multiple sclerosis	Indiv
WHATILL_6	Type of illness they died from: End stage kidney failure	Indiv
WHATILL_7	Type of illness they died from: HIV/AIDS	Indiv
WHATILL_8	Type of illness they died from: Other illness	Indiv
WHATILL_9	Type of illness they died from: Don't know illness	Indiv
WHATILL_10	Type of illness they died from: Dementia or Alzheimer's disease	Indiv
WHATILL_11	Type of illness they died from: Stroke	Indiv
WHATILL_12	Type of illness they died from: Parkinson's disease	Indiv
WHATILL_13	Type of illness they died from: Heart attack	Indiv
WHATILL_OT H	(D) Type of illness they died from: other (incl HIV/AIDS, Heart attack due to small numbers))	Derived
WHNMNTH	Month this person died	Indiv
WHNYR	Year this person died	Indiv
WHERDIE	Place this person died	Indiv
WHERDIE2	(D) Where person died, grouping respondent's home	Derived
DIEHOME	(D) Whether person died at home?	Derived
RELLL	Relationship to person who died	Indiv

## Care Provided

Variable	Description	Source
CAREINV	Frequency of care for this person by respondent	Indiv
EOLPERSC	(D) Level of personal care provided by respondent to person at end of life	Derived
EOLPERSC2	(D) Whether personal care was provided by respondent to person at end of life (binary)	Derived
EOLPERSC2IM	(D) Period of personal care time respondent provided for person at the end of life	Derived
EOLCARETP	(D) Type of care provided by respondent	Derived
EOLCAREDLY	(D) Whether care (personal or other) provided daily?	Derived
LNGCARE	Length of time respondent provided care	Indiv
SPEHELP	Any special help given	Indiv
MAXHELP	Frequency of special care for this person by respondent	Indiv
EOLOTHC	(D) Level of other types of care provided by respondent to person at end of life	Derived
EOLOTHC2	(D) Whether Other care was provided by respondent to person at end of life (binary)	Derived
EOLOTHCTIM	(D) Period of other care time respondent provided for person at the end of life	Derived
LNGHELP	Length of time respondent provided special care	Indiv
CONTLIFE	Whether respondent has been able to carry on with life following this person's death	Indiv
PALCARE	Whether palliative care service was used	Indiv
PALNO_1	Reason palliative care service not used: Service was not available	Indiv
PALNO_2	Reason palliative care service not used: Didn't know about palliative service	Indiv
PALNO_3	Reason palliative care service not used: Service was not wanted	Indiv
PALNO_4	Reason palliative care service not used: Family/friends looked after person	Indiv
PALNO_5	Reason palliative care service not used: Death was sudden	Indiv
PALNO_6	Reason palliative care service not used: Person died in hospital	Indiv
PALNO_7	Reason palliative care service not used: Other reason	Indiv
PALNO_8	Reason palliative care service not used: Died in another country	Indiv
CARSERV	Whether any other care services were used	Indiv
CARSERNO_1	Reason other care services not used: Service was not available	Indiv
CARSERNO_2	Reason other care services not used: Didn't know about other service	Indiv
CARSERNO_3	Reason other care services not used: Service was not wanted	Indiv
CARSERNO_4	Reason other care services not used: Family/friends looked after person	Indiv
CARSERNO_5	Reason other care services not used: Death was sudden	Indiv
CARSERNO_6	Reason other care services not used: Person died in hospital	Indiv
CARSERNO_7	Reason other care services not used: Other reason	Indiv
EOLCSERV	(D) Care services used for respondent and person at end of life	Derived
CAREAGN	Whether respondent would take on caring role again	Indiv



**Health Survey for England**

**Health, social care  
and lifestyles**

**2013**

**Derived Variable Specification**

A survey carried out on behalf of The NHS Information Centre

*Joint Health Surveys Unit*

NatCen Social Research

Department of Epidemiology and Public Health, University College London

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# Classification

## Household

HHSIZE: (D) Household Size

### SPSS Syntax

```
COMPUTE hhsiz= adults+children+infants.  
VARIABLE LABELS hhsiz "(D) Household Size".
```

HHDTYPB: (D) Household Type

- 1 1 adult aged 16-59, no children
- 2 2 adults, both 16-59, no children
- 3 Small family
- 4 Large family
- 5 Large adult household
- 6 2 adults, 1 or both aged 60+, no children
- 7 1 adult, aged 60+, no children

*Code -9 is applied to households where information about the age of individuals is missing. HHDTYPB is defined using the file of all people in productive households, then matched back to the file of productive individuals.*

### SPSS Syntax

```
RECODE age (16 thru 59=1)(ELSE=0) INTO ad1659.  
COMPUTE ch015=children+infants.  
RECODE age (60 thru hi=1)(ELSE=0) INTO ad60.  
AGGREGATE OUTFILE="I:\Workdocs\HSE\DATA\HSE2012\Secure\Data Manager\3 Derived 12\Dv data\Intermediate  
Datasets\hhdtypb.sav"  
  /break=serialh adults ch015  
  /adyoung=SUM(ad1659)  
  /adold=SUM(ad60).  
GET FILE="I:\Workdocs\HSE\DATA\HSE2012\Secure\Data Manager\3 Derived 12\Dv data\Intermediate  
Datasets\hhdtypb.sav".  
COMPUTE hhdtypb=-9.  
IF adults=1 & adyoung=1 & ch015=0 hhdtypb=1.  
IF adults=2 & adyoung=2 & ch015=0 hhdtypb=2.  
IF adults=1 & adold=1 & ch015=0 hhdtypb=7.  
IF adults=2 & adold>=1 & ch015=0 hhdtypb=6.  
IF ANY(adults,1,2) & ANY(ch015,1,2) hhdtypb=3.  
IF adults>=3 & ANY(ch015,0,1) hhdtypb=5.  
IF (adults>=1 & ch015>=3) | (adults>=3 & ch015=2) hhdtypb=4.  
VARIABLE LABELS hhdtypb "(D) Household Type".  
VALUE LABELS hhdtypb  
  1 "1 adult aged 16-59, no children"  
  2 "2 adults, both 16-59, no children"  
  3 "Small family"  
  4 "Large family"  
  5 "Large adult household"  
  6 "2 adults, 1 or both aged 60+, no children"  
  7 "1 adult, aged 60+, no children".  
exe.
```

AG16G10: (D) Age 16-75+ in ten year bands

- 1 16-24
- 2 25-34
- 3 35-44
- 4 45-54
- 5 55-64
- 6 65-74
- 7 75+

### SPSS Syntax

```
RECODE age (16 thru 24=1) (25 thru 34=2) (35 thru 44=3)  
  (45 thru 54=4) (55 thru 64=5) (65 thru 74=6) (75 thru hi=7)  
  (0 thru 15=-1) INTO ag16g10 .  
VALUE LABELS ag16g10  
  1 "16-24"  
  2 "25-34"  
  3 "35-44"
```

```

4 "45-54"
5 "55-64"
6 "65-74"
7 "75+".
VARIABLE LABEL agl6g10 "(D) Age 16+ in ten year bands".

```

### AG16G20: (D) Age 16-55+ in twenty year bands

- 1 16-34
- 2 35-54
- 3 55+

#### SPSS Syntax

```

RECODE age (16 thru 34=1) (35 thru 54=2) (55 thru hi=3)
(0 thru 15=-1) INTO agl6g20 .
VALUE LABELS agl6g20
1 "16-34"
2 "35-54"
3 "55+".
VARIABLE LABEL agl6g20 "(D) Age 16+ in twenty year age bands".

```

### AG1665G10: (D) Age 16-65+ in ten year age bands

- 1 16-24
- 2 25-34
- 3 35-44
- 4 45-54
- 5 55-64
- 6 65+

#### SPSS Syntax

```

RECODE age (65 thru HI=6) (55 thru 65=5) (45 thru 55=4) (35 thru 45=3) (25 thru 35=2) (16 thru 25=1) (0
thru 16=-1) (-9 thru -1=copy) INTO agl665g10. .
VALUE LABELS agl665g10
1 "16-24"
2 "25-34"
3 "35-44"
4 "45-54"
5 "55-64"
6 "65+".
VARIABLE LABELS Agl665g10 "(D) Age 16-65+ in ten year age bands".

```

### AG65G5: (D) Age 65+ in 5 year age bands

- 1 65-69
- 2 70-74
- 3 75-79
- 4 80-84
- 5 85+

#### SPSS Syntax

```

RECODE age (65 thru 69=1) (70 thru 74=2) (75 thru 79=3) (80 thru 84=4) (85 thru hi=5)
(0 thru 64=-1) INTO ag65g5 .
VALUE LABELS ag65g5
1 "65-69"
2 "70-74"
3 "75-79"
4 "80-84"
5 "85+".
VARIABLE LABEL ag65g5 "(D) Age 65+ in five year age bands".

```

### AG6585G10: (D) Age 16-85+, 4 groups

- 1 Below 65
- 2 65 - 74
- 3 75 - 84
- 4 85+

#### SPSS Syntax

```

RECODE Age (85 THRU Hi=4) (75 THRU 85=3) (65 THRU 75=2)(0 THRU 65=1)(ELSE=COPY) INTO Ag6585g10.
VARIABLE LABELS Ag6585g10 "(D) Age <65, 65-75, 75-85, 85+ groups".
VALUE LABELS Ag6585g10
1 "Below 65"
2 "65 - 74"

```

```
3 "75 - 84"
4 "85+"
```

### AG6575G10: (D) Age 16-75+, 3 groups

- 1 Below 65
- 2 65 - 74
- 3 75+

#### SPSS Syntax

```
RECODE Age (75 THRU Hi=3) (65 THRU 75=2)(0 THRU 65=1)(ELSE=COPY) INTO Ag6575g10.
VARIABLE LABELS Ag6575g10 "(D) Age <65, 65-75, 75+ groups".
VALUE LABELS Ag6575g10
1 "Below 65"
2 "65 - 74"
3 "75+".
```

### AGE65: (D) Age 65+, 2 groups

- 1 Below 65
- 2 65+

#### SPSS Syntax

```
RECODE Age (65 THRU Hi=2) (0 THRU 65=1)(ELSE=COPY) INTO Age65.
VARIABLE LABELS Age65 "(D) Age <65, 65+ groups".
VALUE LABELS Age65
1 "Below 65"
2 "65+".
```

### AGE85: (D) Age 16-85+ in approx 10 year age bands

- 1 16-24
- 2 25-34
- 3 35-44
- 4 45-54
- 5 55-64
- 6 65-74
- 7 75-84
- 8 85+

#### SPSS Syntax

```
RECODE age (16 thru 24=1) (25 thru 34=2) (35 thru 44=3) (45 thru 54=4) (55 thru 64=5) (65 thru 74=6) (75 thru 84=7) (85 thru 200=8) into Age85.
variable labels Age85 "(D) Age 16-85+ in approx ten year age bands".
value labels Age85
1 "16-24"
2 "25-34"
3 "35-44"
4 "45-54"
5 "55-64"
6 "65-74"
7 "75-84"
8 "85+".
```

### AG015G2: (D) Age 0-15 in two year bands

- 1 0-1
- 2 2-3
- 3 4-5
- 4 6-7
- 5 8-9
- 6 10-11
- 7 12-13
- 8 14-15

#### SPSS Syntax

```
RECODE age (0 thru 1=1) (2 thru 3=2) (4 thru 5=3) (6 thru 7=4) (8 thru 9=5)
(10 thru 11=6) (12 thru 13=7) (14 thru 15=8) (ELSE =-1) INTO ag015g2 .
VARIABLE LABEL ag015g2 "(D) Age 0-15 in two year bands".
VALUE LABELS ag015g2
1 "0-1"
2 "2-3"
3 "4-5"
```

```

4 "6-7"
5 "8-9"
6 "10-11"
7 "12-13"
8 "14-15"

```

### AG215G2: (D) Age 2-15 in two year bands

```

1 2-3
2 4-5
3 6-7
4 8-9
5 10-11
6 12-13
7 14-15

```

#### SPSS Syntax

```

RECODE age (2 thru 3=1) (4 thru 5=2) (6 thru 7=3) (8 thru 9=4)
(10 thru 11=5) (12 thru 13=6) (14 thru 15=7) (ELSE=-1) INTO ag215g2 .
VARIABLE LABEL ag215g2 "(D) Age 2-15 in two year bands".
VALUE LABELS ag215g2
  1 "2-3"
  2 "4-5"
  3 "6-7"
  4 "8-9"
  5 "10-11"
  6 "12-13"
  7 "14-15".

```

### AG215G3: (D) Age 2-15: Approx 3 year age bands

```

1 2-3
2 4-6
3 7-9
4 10-12
5 13-15

```

#### SPSS Syntax

```

RECODE age (2 thru 3=1) (4 thru 6=2) (7 thru 9=3) (10 thru 12=4) (13 thru 15=5)
(ELSE=-1) INTO ag215g3.
VARIABLE LABEL ag215g3 "(D) Age 2-15: Approx 3 year age bands".
VALUE LABELS ag215g3
  1 "2-3"
  2 "4-6"
  3 "7-9"
  4 "10-12"
  5 "13-15".

```

### AG415G3: (D) Age 4-15: 3 year age bands

```

1 4-6
2 7-9
3 10-12
4 13-15

```

#### SPSS Syntax

```

RECODE age (4 thru 6=1) (7 thru 9=2) (10 thru 12=3) (13 thru 15=4)
(ELSE=-1) INTO ag415g3.
VARIABLE LABEL ag415g3 "(D) Age 4-15: 3 year age bands".
VALUE LABELS ag415g3
  1 "4-6"
  2 "7-9"
  3 "10-12"
  4 "13-15".

```

### AG515G3: (D) Age 5-15: Approx 3 year age bands

```

1 5-6
2 7-9
3 10-12
4 13-15

```

#### SPSS Syntax

```

RECODE age (5 thru 6=1) (7 thru 9=2) (10 thru 12=3) (13 thru 15=4)

```

```
(ELSE=-1) INTO ag515g3.
VARIABLE LABEL ag515g3 "(D) Age 5-15: Approx 3 year age bands".
VALUE LABELS ag515g3
  1 "5-6"
  2 "7-9"
  3 "10-12"
  4 "13-15".
```

#### AG715G3: (D) Age 7-15: 3 year age bands

- 1 7-9
- 2 10-12
- 3 13-15

##### SPSS Syntax

```
RECODE age (7 thru 9=1) (10 thru 12=2) (13 thru 15=3)
  (ELSE=-1) INTO ag715g3.
VARIABLE LABEL ag715g3 "(D) Age 7-15: 3 year age bands".
VALUE LABELS ag715g3
  1 "7-9"
  2 "10-12"
  3 "13-15".
exe.
```

#### AG1655GP5: (D) Age 16-55+, 5 groups

- 1 16-24
- 2 25-34
- 3 35-44
- 4 45-54
- 5 55+

##### SPSS Syntax

```
RECODE Age (16 thru 24=1) (24 thru 34=2) (34 thru 44=3)(44 thru 54=4)(54 thru hi=5)(0 thru 16=-1)(else=copy) INTO AG1655gp5.
VARIABLE LABELS AG1655gp5 "(D) Age groups 16-55+, 5 groups".
VALUE LABELS AG1655gp5
-1 'Not applicable'
-8 "Don't know"
-9 'Refuse'
1 '16-24'
2 '25-34'
3 '35-44'
4 '45-54'
5 '55+'.
```

#### AG1650GP3: Age 16-50+, 3 groups

- 1 16-24
- 2 25-49
- 3 50+

##### SPSS Syntax

```
COMPUTE AG1650gp3=-99.
RECODE Age (16 thru 24=1) (24 thru 49=2) (49 thru hi=3)(0 thru 16=-1)(else=copy) INTO AG1650gp3.
VARIABLE LABELS AG1650gp3 "(D) Age groups 16-50+, 3 groups".
VALUE LABELS AG1650gp3
-1 'Not applicable'
-8 "Don't know"
-9 'Refuse'
1 '16-24'
2 '25-49'
3 '50+'.
```

#### IRNDAGE: (D) Age at interview rounded to nearest integer

#### NRNDAGE: (D) Age at nurse visit rounded to nearest integer

##### SPSS Syntax

```
COMPUTE irndage = -1 .
COMPUTE nrndage = -1 .
do if dintb>0 & mintb>0 and yintb>0.
COMPUTE idate = DATE.DMY(dintb,mintb,yintb) .
end if.
```

```

do if visday>0 & vismon>0 and visyear>0.
COMPUTE ndate = DATE.DMY(visday,vismon,visyear) .
end if.
do if dobday>0 & dobmon>0 and doyear>0.
COMPUTE dobdate = DATE.DMY(dobday,dobmon,dobyear) .
end if.
IF (dobdate > 0) irndage = RND((idate-dobdate)/(86400*365.25)) .
IF (dobdate > 0 & ndate > 0) nrndage = RND((ndate-dobdate)/(86400*365.25)) .
VARIABLE LABELS irndage "(D) Age at interview rounded to the nearest integer".
VARIABLE LABELS nrndage "(D) Age at nurse visit rounded to the nearest integer".

```

## Admin

### INTDAYW: (D) Weekday of individual interview

- 1 Sunday
- 2 Monday
- 3 Tuesday
- 4 Wednesday
- 5 Thursday
- 6 Friday
- 7 Saturday

#### SPSS Syntax

```

COMPUTE intdayw=XDATE.WKDAY(DATE.DMY(dintb,mintb,yintb)).
VARIABLE LABELS intdayw "(D) Weekday of individual interview".
VALUE LABELS intdayw
  1 "Sunday"
  2 "Monday"
  3 "Tuesday"
  4 "Wednesday"
  5 "Thursday"
  6 "Friday"
  7 "Saturday".
exe.

```

## Booklet Admin

### BOOKLET: (D) Eligible for which self-completion booklet

- 1 "Pale green 8-12"
- 2 "Cream 13-15"
- 3 "Pale Blue Young Adult Men"
- 4 "Pale Pink Young Adult Women"
- 5 "Dark Blue Adult Men"
- 6 "Dark Pink Adult Women"
- 7 "Grey Adults 45+"

#### SPSS Syntax

```

COMPUTE booklet=0.
IF age>=8 and age<13 and screc=1 booklet=1.
IF age>=13 and age<16 and screc=1 booklet=2.
IF sex=1 and age>=16 and age<18 and screc=1 booklet=3.
IF sex=2 and age>=16 and age<18 and screc=1 booklet=4.
IF sex=1 and age>=18 and age<25 and screc=1 & bookchk=2 booklet=3.
IF sex=1 and age>=18 and age<25 and screc=1 & bookchk=1 booklet=5.
IF sex=1 and age>=25 and age<45 and screc=1 booklet=5.
IF sex=2 and age>=18 and age<25 and screc=1 & bookchk=2 booklet=4.
IF sex=2 and age>=18 and age<25 and screc=1 & bookchk=1 booklet=6.
IF sex=2 and age>=25 and age<45 and screc=1 booklet=6.
IF age>=45 and screc=1 booklet=7.
VARIABLE LABELS booklet "(D) Eligible for which self-completion booklet?".
VALUE LABELS booklet
  -1 "Item not applicable"
  1 "Pale green 8-12"
  2 "Cream 13-15"
  3 "Pale Blue Young Adult Men"
  4 "Pale Pink Young Adult Women"
  5 "Dark Blue Adult Men"
  6 "Dark Pink Adult Women"
  7 "Grey Adults 45+".
exe.

```



# Education

## TOPQUAL2: (D) Highest Educational Qualification - students separate

- 1 NVQ4/NVQ5/Degree or equiv
- 2 Higher ed below degree
- 3 NVQ3/GCE A Level equiv
- 4 NVQ2/GCE O Level equiv
- 5 NVQ1/CSE other grade equiv
- 6 Foreign/other
- 7 No qualification
- 8 FT Student

### SPSS Syntax

```
IF (qual<0 | (qual=1 & quala1<0)) topqual2=quala1.
IF (topqual3>0) topqual2=topqual3.
IF (educend=1 | activb=1) topqual2=8.
VARIABLE LABELS topqual2 "(D) Highest Educational Qualification - Students separate".
VALUE LABELS topqual2
  1 'NVQ4/NVQ5/Degree or equiv'
  2 'Higher ed below degree'
  3 'NVQ3/GCE A Level equiv'
  4 'NVQ2/GCE O Level equiv'
  5 'NVQ1/CSE other grade equiv'
  6 'Foreign/other'
  7 'No qualification'
  8 'FT Student'
```

## TOPQUAL3: (D) Highest Educational Qualification

- 1 NVQ4/NVQ5/Degree or equiv
- 2 Higher ed below degree
- 3 NVQ3/GCE A Level equiv
- 4 NVQ2/GCE O Level equiv
- 5 NVQ1/CSE other grade equiv
- 6 Foreign/other
- 7 No qualification

### SPSS Syntax

```
COMPUTE topqual3=0.
IF (qual<0 | (qual=1 & quala1<0)) topqual3=quala1.
if (ANY(1,quala1, quala23, quala24)) topqual3=1.
if (ANY(1,quala2, quala3, quala4, quala6) & topqual3<>1) topqual3=2.
if (ANY(1,quala5,quala7,quala9,quala10,quala11,quala25) & ~RANGE(topqual3,1,2)) topqual3=3.
if (ANY(1,quala8,quala12,quala13,quala15,quala17,quala20,quala22,quala26) & ~RANGE(topqual3,1,3))
topqual3=4.
if (ANY(1,quala14,quala16,quala18,quala21,quala27,quala28) & ~RANGE(topqual3,1,4)) topqual3=5.
if ((quala29=1) & ~RANGE(topqual3,1,5)) topqual3=6.
if((quala19=1 | qual=2) & ~RANGE(topqual3,1,6)) topqual3=7.
exe.
VARIABLE LABEL topqual3 "(D) Highest Educational Qualification".
VALUE LABELS topqual3
  1 'NVQ4/NVQ5/Degree or equiv'
  2 'Higher ed below degree'
  3 'NVQ3/GCE A Level equiv'
  4 'NVQ2/GCE O Level equiv'
  5 'NVQ1/CSE other grade equiv'
  6 'Foreign/other'
  7 'No qualification'.
```

## TOPQUAL4: (D) Highest Educational Qualification, 3 groups

- 1 NVQ4/NVQ5/Degree or equivalent
- 2 Below degree
- 3 No qualification.

### SPSS Syntax

```
COMPUTE Topqual4=-99.
RECODE Topqual3 (1=1) (2 thru 6=2) (7=3) (else=copy) INTO TopQual4.
VARIABLE LABELS TopQual4 "(D) Highest Educational Qualification, 3 groups".
VALUE LABELS TopQual4
  1 'NVQ4/NVQ5/Degree or equiv'
  2 'Below degree'
  3 'No qualification'.
```

# Employment Status

## ECONACT: (D) Economic Status, 4 groups

- 1 In employment
- 2 ILO unemployed
- 3 Retired
- 4 Other economically inactive

### SPSS Syntax

```
RECODE activb (2,3,4=1)(9=3)(1,5,6,7,8,10,95=4)(-9,-8=COPY) into econact.  
IF any(1,stwork,wkstrt2) econact=2.  
IF age<16 econact=-1.  
IF any(-9,activb,stwork,wkstrt2,wklook4) econact=-9.  
IF any(-8,activb,stwork,wkstrt2,wklook4) econact=-8.  
VARIABLE LABELS econact "(D) Economic Status (4 groups)".  
VALUE LABELS econact  
  1 "In employment"  
  2 "ILO unemployed"  
  3 "Retired"  
  4 "Other economically inactive".
```

## ECONACT5: (D) Economic Status, 5 groups

- 1 In employment - employee
- 2 In employment - self-employed
- 3 ILO unemployed
- 4 Retired
- 5 Other economically inactive

### SPSS Syntax

```
RECODE econact (1=1) (2=3) (3=4) (4=5) (else=copy) into econact5.  
if econact=1 & employe=2 econact5=2.  
variable labels econact5 '(D) Economic status (5 groups)'.  
value labels econact5  
  1 'In employment - employee'  
  2 'In employment - self-employed'  
  3 'ILO unemployed'  
  4 'Retired'  
  5 'Other economically inactive'.
```

## ECONACT2: (D) Economic Status, 2 groups

- 1 In work
- 2 Not in work

### SPSS Syntax

```
RECODE econact5 (1 thru 2=1) (3 thru 5=2) (else=copy) into econact2.  
variable labels econact2 '(D) Economic status (2 groups)'.  
value labels econact2  
  1 'In work'  
  2 'Not in work'.
```

## NSSEC8: (D) NS-SEC 8 Variable Classification (individual)

- 1 Higher managerial and professional occupations
- 2 Lower managerial and professional occupations
- 3 Intermediate occupations
- 4 Small employers and own account workers
- 5 Lower supervisory and technical occupations
- 6 Semi-routine occupations
- 7 Routine occupations
- 8 Never worked and long term unemployed
- 99 Other

### SPSS Syntax

```
RECODE stnssec (1 thru 3.4=1) (4 thru 6=2) (7 thru 7.4=3) (8 thru 9.2=4) (10 thru 11.2=5) (12 thru 12.7=6)  
(13 thru 13.5=7) (14 thru 14.2=8) (15 thru 17=99) (else=copy) into nssec8.  
Variable labels nssec8 "(D) NS-SEC 8 variable classification (individual)".  
Value labels nssec8  
  1 "Higher managerial and professional occupations"  
  2 "Lower managerial and professional occupations"  
  3 "Intermediate occupations"  
  4 "Small employers and own account workers"  
  5 "Lower supervisory and technical occupations"  
  6 "Semi-routine occupations"  
  7 "Routine occupations"  
  8 "Never worked and long term unemployed"
```

**NSSEC5: (D) NS-SEC 5 Variable Classification (individual)**

- 1 Managerial and professional occupations
- 2 Intermediate occupations
- 3 Small employers and own account workers
- 4 Lower supervisory and technical occupations
- 5 Semi-routine occupations
- 99 Other

**SPSS Syntax**

```
RECODE stnssec (1 thru 6=1) (7 thru 7.4=2) (8 thru 9.2=3) (10 thru 11.2=4) (12 thru 13.5=5) (14 thru 17=99) (else=copy) INTO nssec5.
Variable labels nssec5 "(D) NS-SEC 5 variable classification (individual)".
Value labels nssec5
  1 "Managerial and professional occupations"
  2 "Intermediate occupations"
  3 "Small employers and own account workers"
  4 "Lower supervisory and technical occupations"
  5 "Semi-routine occupations"
  99 "Other".
```

**NSSEC3: (D) NS-SEC 3 Variable Classification (individual)**

- 1 Managerial and professional occupations
- 2 Intermediate occupations
- 3 Routine and manual occupations
- 99 Other

**SPSS Syntax**

```
RECODE stnssec (1 thru 6=1) (7 thru 9.2=2) (10 thru 13.5=3) (14 thru 17=99) (else=copy) INTO nssec3.
Variable label nssec3 "(D) NS-SEC 3 variable classification (individual)".
Value label nssec3
  1 "Managerial and professional occupations"
  2 "Intermediate occupations"
  3 "Routine and manual occupations"
  99 "Other".
```

**HPNSSEC8: (D) NS-SEC 8 Variable Classification (hrp)**

- 1 Higher managerial and professional occupations
- 2 Lower managerial and professional occupations
- 3 Intermediate occupations
- 4 Small employers and own account workers
- 5 Lower supervisory and technical occupations
- 6 Semi-routine occupations
- 7 Routine occupations
- 8 Never worked and long term unemployed
- 99 Other

**SPSS Syntax**

```
RECODE sthnssec (1 thru 3.4=1) (4 thru 6=2) (7 thru 7.4=3) (8 thru 9.2=4) (10 thru 11.2=5) (12 thru 12.7=6) (13 thru 13.5=7) (14 thru 14.2=8) (15 thru 17=99) (else=copy) into hpnsec8.
Variable labels hpnsec8 "(D) NS-SEC 8 variable classification (hrp)".
Value labels hpnsec8
  1 "Higher managerial and professional occupations"
  2 "Lower managerial and professional occupations"
  3 "Intermediate occupations"
  4 "Small employers and own account workers"
  5 "Lower supervisory and technical occupations"
  6 "Semi-routine occupations"
  7 "Routine occupations"
  8 "Never worked and long term unemployed"
  99 "Other".
fre hpnsec8.
temp.
select if hpnsec8=-1.
list seriali age sex sthnssec HRPXSOC2 HRPES2 hrpactiv.
```

**HPNSSEC5: (D) NS-SEC 5 Variable Classification (hrp)**

- 1 Managerial and professional occupations
- 2 Intermediate occupations
- 3 Small employers and own account workers

- 4 Lower supervisory and technical occupations
- 5 Semi-routine occupations
- 99 Other

#### SPSS Syntax

```
RECODE sthnssec (1 thru 6=1) (7 thru 7.4=2) (8 thru 9.2=3) (10 thru 11.2=4) (12 thru 13.5=5) (14 thru 17=99) (else=copy) INTO hpnssec5.
VARIABLE LABELS hpnssec5 "(D) NS-SEC 5 variable classification (hrp)".
VALUE LABELS hpnssec5
  1 "Managerial and professional occupations"
  2 "Intermediate occupations"
  3 "Small employers and own account workers"
  4 "Lower supervisory and technical occupations"
  5 "Semi-routine occupations"
  99 "Other".
```

#### HPNSSEC3: (D) NS-SEC 3 Variable Classification (hrp)

- 1 Managerial and professional occupations
- 2 Intermediate occupations
- 3 Routine and manual occupations
- 99 Other

#### SPSS Syntax

```
RECODE sthnssec (1 thru 6=1) (7 thru 9.2=2) (10 thru 13.5=3) (14 thru 17=99) (else=copy) INTO hpnssec3.
VARIABLE LABELS hpnssec3 "(D) NS-SEC 3 variable classification (hrp)".
VALUE LABELS hpnssec3
  1 "Managerial and professional occupations"
  2 "Intermediate occupations"
  3 "Routine and manual occupations"
  99 "Other".
exe.
```

## Income

#### TOTINC: (D) Total Household Income

- 1 <£520
- 2 £520<£1,600
- 3 £1,600<£2,600
- 4 £2,600<£3,600
- 5 £3,600<£5,200
- 6 £5,200<£7,800
- 7 £7,800<£10,400
- 8 £10,400<£13,000
- 9 £13,000<£15,600
- 10 £15,600<£18,200
- 11 £18,200<£20,800
- 12 £20,800<£23,400
- 13 £23,400<£26,000
- 14 £26,000<£28,600
- 15 £28,600<£31,200
- 16 £31,200<£33,800
- 17 £33,800<£36,400
- 18 £36,400<£41,600
- 19 £41,600<£46,800
- 20 £46,800<£52,000
- 21 £52,000<£60,000
- 22 £60,000<£70,000
- 23 £70,000<£80,000
- 24 £80,000<£90,000
- 25 £90,000<£100,000
- 26 £100,000<£110,000
- 27 £110,000<£120,000
- 28 £120,000<£130,000
- 29 £130,000<£140,000
- 30 £140,000<£150,000
- 31 £150,000+
- 96 Don't know
- 97 Refused

#### SPSS Syntax

```
COMPUTE totinc=-1.
if jntinc=-1 totinc=-1.
```

```

DO IF (jntinc>0).
COMPUTE totinc=jntinc.
END IF.
DO IF (hhinc>jntinc).
COMPUTE totinc=hhinc.
END IF.
VARIABLE LABELS totinc "(D) Total Household Income".
VALUE LABELS totinc
  1 '<£520'
  2 '£520<£1,600'
  3 '£1,600<£2,600'
  4 '£2,600<£3,600'
  5 '£3,600<£5,200'
  6 '£5,200<£7,800'
  7 '£7,800<£10,400'
  8 '£10,400<£13,000'
  9 '£13,000<£15,600'
  10 '£15,600<£18,200'
  11 '£18,200<£20,800'
  12 '£20,800<£23,400'
  13 '£23,400<£26,000'
  14 '£26,000<£28,600'
  15 '£28,600<£31,200'
  16 '£31,200<£33,800'
  17 '£33,800<£36,400'
  18 '£36,400<£41,600'
  19 '£41,600<£46,800'
  20 '£46,800<£52,000'
  21 '£52,000<£60,000'
  22 '£60,000<£70,000'
  23 '£70,000<£80,000'
  24 '£80,000<£90,000'
  25 '£90,000<£100,000'
  26 '£100,000<£110,000'
  27 '£110,000<£120,000'
  28 '£120,000<£130,000'
  29 '£130,000<£140,000'
  30 '£140,000<£150,000'
  31 '>=£150,000'
  96 'Do not know'
  97 'Refused'.
EXE.

```

### EQVINC: (D) Equivalised Income

- 1 Lowest Quintile (<=£12,803)
- 2 Second lowest Quintile (>£12,803 <=£19,500)
- 3 Middle Quintile (>£19,500 <=£29,865)
- 4 Second highest Quintile (>£29,865 <=£49,016)
- 5 Highest Quintile (>£49,016)

#### SPSS Syntax

```

compute eqv5=-1.
IF eqvinc>=0 and eqvinc<=12803 eqv5=1.
IF eqvinc>12803 and eqvinc<=19500 eqv5=2.
IF eqvinc>19500 and eqvinc<=29865 eqv5=3.
IF eqvinc>29865 and eqvinc<=49016 eqv5=4.
IF eqvinc>49016 eqv5=5.
IF eqvinc<0 eqv5=-1.
VARIABLE LABELS eqvinc "(D) Equivalised Income".
VARIABLE LABELS eqv5 "(D) Equivalised Income Quintiles".
VALUE LABELS eqvinc -1 'Item not applicable'.
VALUE LABELS eqv5
  -1 'Item not applicable'
  5 'Highest Quintile (>£49,016)'
  4 'Second highest Quintile (>£29,865 <=£49,016)'
  3 'Middle Quintile (>£19,500 <=£29,865)'
  2 'Second lowest Quintile (>£12,803 <=£19,500)'
  1 'Lowest Quintile (<=£12,803)'.

```

### MCCLEM: (D) McClements household score for equivalised income

#### SPSS Syntax

```

** Add scores for adults .

```

```

** Non-married 2nd person adds 7/100 to score .
IF (adults=1) mcclem=mcclem+(61/100).
IF (adults=2) mcclem=mcclem+1.
IF (adults=3) mcclem=mcclem+(142/100).
IF (adults>=4) mcclem=mcclem+((142+(36*(adults-3)))/100).
IF (relnship=0 & adults>1) mcclem=mcclem+(7/100).

** Add scores for children .
VECTOR mccagex=mccage1 TO mccage12.
LOOP xxj=1 TO 12.
IF (RANGE(mccagex(xxj),2,4)) mcclem=mcclem+(18/100).
IF (RANGE(mccagex(xxj),5,7)) mcclem=mcclem+(21/100).
IF (RANGE(mccagex(xxj),8,10)) mcclem=mcclem+(23/100).
IF (RANGE(mccagex(xxj),11,12)) mcclem=mcclem+(25/100).
IF (RANGE(mccagex(xxj),13,15)) mcclem=mcclem+(27/100).
END LOOP.

** Add scores for infants .
IF (infants>0) mcclem=mcclem+(infants*(9/100)).

** remove nonstated ages.
count age9=mccage1 to mccage12(-9).
count age8=mccage1 to mccage12(-8).
if age9>0 | age8>0 mcclem=-90.

VARIABLE LABELS mcclem "(D) McClements household score for equivalised income".
EXECUTE.
FORMATS mcclem (F2.1)..

```

## EQV5: (D) Equivalised Income Quintiles

- 90 Age of household member refused
- 5 Highest Quintile (>£47,794.12)
- 4 Second highest Quintile (>£27,704.92 <=£47,794.12)
- 3 Middle Quintile (>£19,117.65 <=£27,704.92)
- 2 Second lowest Quintile (>£11,676.65 <=£19,117.65)
- 1 Lowest Quintile (<=£11,676.65).

## EQV3: (D) Equivalised Income Tertiles

- 90 Age of household member refused
- 3 Highest Tertile (>£33,050.85)
- 2 Middle Tertile (>£15,600 - £33,050.85)
- 1 Lowest Tertile (<=£15,600.00).

*The calculation of the equivalised income involves calculating a McClement score for each household (dependent on number, age and relationships of adults and children in the household), and then dividing the total household income by this score to get an equivalised household income. Comments are included in the **SPSS Syntax**.*

### SPSS Syntax

```

GET FILE='I:\Workdocs\HSE\DATA\HSE2012\Secure\Data Manager\3 Derived 12\Dv data\Intermediate
Datasets\income12.sav'.
COMPUTE mcclem=0.

** Add scores for 16-18s, remove from adults .
VECTOR mccage=mccage1 TO mccage12.
VECTOR mcactv=mcactv1 TO mcactv12.
LOOP xxi=1 TO 12.
DO IF (RANGE(mccage(xxi),16,18)).
DO IF (mcactv(xxi)=1).
COMPUTE mcclem=mcclem+(36/100).
IF (adults>1) adults=adults-1.
END IF.
END IF.
END LOOP.

** Add scores for adults .
** Non-married 2nd person adds 7/100 to score .
IF (adults=1) mcclem=mcclem+(61/100).
IF (adults=2) mcclem=mcclem+1.
IF (adults=3) mcclem=mcclem+(142/100).
IF (adults>=4) mcclem=mcclem+((142+(36*(adults-3)))/100).
IF (relnship=0 & adults>1) mcclem=mcclem+(7/100).

** Add scores for children .
VECTOR mccagex=mccage1 TO mccage12.
LOOP xxj=1 TO 12.
IF (RANGE(mccagex(xxj),2,4)) mcclem=mcclem+(18/100).
IF (RANGE(mccagex(xxj),5,7)) mcclem=mcclem+(21/100).
IF (RANGE(mccagex(xxj),8,10)) mcclem=mcclem+(23/100).

```

```

IF (RANGE(mccagex(xxj),11,12)) mcclem=mcclem+(25/100).
IF (RANGE(mccagex(xxj),13,15)) mcclem=mcclem+(27/100).
END LOOP.

** Add scores for infants .
IF (infants>0) mcclem=mcclem+(infants*(9/100)).

** remove nonstated ages.
count age9=mccagel to mccagel2(-9).
count age8=mccagel to mccagel2(-8).
if age9>0 | age8>0 mcclem=-90.

VARIABLE LABEL mcclem "(D) McClements household score for equivalised income".
EXECUTE.
FORMATS mcclem (F2.1).
fre mcclem.

**cases with out a score as -1 in income variable.
Temp.
select if mcclem=0.
list serialh.

** Save File under new name .
save OUTFILE='I:\Workdocs\HSE\DATA\HSE2012\Secure\Data Manager\3 Derived 12\Dv data\Intermediate
Datasets\mcclem12.sav'.

dataset close all.
GET FILE='I:\Workdocs\HSE\DATA\HSE2012\Secure\Data Manager\3 Derived 12\Dv data\Intermediate
Datasets\mcclem12.sav'.

FORMATS mcclem (F8.2).
COMPUTE midinc=-1.
DO IF (jointinc>0).
RECODE jointinc (1=450) (2=1060) (3=2100) (4=3100) (5=4400) (6=6500)
(7=9100) (8=11700) (9=14300) (10=16900) (11=19500) (12=22100)
(13=24700) (14=27300) (15=29900) (16=32500) (17=35100) (18=39000)
(19=44200) (20=49400) (21=56000) (22=65000) (23=75000) (24=85000)
(25=95000) (26=105000) (27=115000) (28=125000) (29=135000)
(30=145000) (31=160000)
INTO midinc.
END IF.
DO IF (hholdinc>jointinc).
RECODE hholdinc (1=450) (2=1060) (3=2100) (4=3100) (5=4400) (6=6500)
(7=9100) (8=11700) (9=14300) (10=16900) (11=19500) (12=22100)
(13=24700) (14=27300) (15=29900) (16=32500) (17=35100) (18=39000)
(19=44200) (20=49400) (21=56000) (22=65000) (23=75000) (24=85000)
(25=95000) (26=105000) (27=115000) (28=125000) (29=135000)
(30=145000) (31=160000)
INTO midinc.
END IF.
COMPUTE eqvinc=-1.
IF (midinc>0) eqvinc=midinc/mcclem.
RECODE midinc (0 thru 6500=1) (6501 thru 11700=2)
(11701 thru 19500=3) (19501 thru 29900=4) (29901 thru hi=5)(ELSE=-1)
INTO mid5.
exe.

save OUTFILE='I:\Workdocs\HSE\DATA\HSE2012\Secure\Data Manager\3 Derived 12\Dv data\Intermediate
Datasets\mcclem12.sav'.

****Make sure eqv income has been changed for specific year. (RERUN FROM HERE and plug in highest figures
from other syntax).***

dataset close all.
GET FILE='I:\Workdocs\HSE\DATA\HSE2012\Secure\Data Manager\3 Derived 12\Dv data\Intermediate
Datasets\mcclem12.sav'.
compute eqv5w=eqv5.
variable labels eqv5w "(D) Equivalised weekly income - quintiles".
value labels eqv5w
1 "<=£239"
2 "£239 - £370"
3 "£370 - £574"
4 "£574 - £950"
5 "£950 and over".
exe.
fre eqv5w.

compute eqv3=-1.
IF eqvinc>=0 and eqvinc<=16918 eqv3=1.
IF eqvinc>16918 and eqvinc<=35035 eqv3=2.
IF eqvinc>35035 eqv3=3.

```

```

IF eqvinc<0 eqv3=-1.
VARIABLE LABELS eqv3 "(D) Equivalised Income Tertiles".
VALUE LABELS eqv3
  -1 'Item not applicable'
  3 'Highest Tertile (>£35,035)'
  2 'Middle Tertile (>£16,918 - £35,035)'
  1 'Lowest Tertile (<=£16,918)'.
freq eqv3.

*** Then repeat variable with inverted labels for authors (will be deleted before archiving though)***

RECODE eqv5 (5=1) (4=2) (3=3) (2=4) (1=5)
  (ELSE=-1) INTO eqv5_temp.
EXECUTE.
VARIABLE LABELS eqv5_temp "(D) Equivalised Income Quintiles (for authors)".
VALUE LABELS eqv5_temp
  -1 'Item not applicable'
  1 'Highest Quintile (>£49,400)'
  2 'Second highest Quintile (>£29,865 <=£49,400)'
  3 'Middle Quintile (>£19,217 <=£29,865)'
  4 'Second lowest Quintile (>£12,412 <=£19,217)'
  5 'Lowest Quintile (<=£12,412)'.

freq eqv5_temp.

CROSSTABS eqv5 BY eqv5_temp.

RECODE eqv3 (3=1) (2=2) (1=3)
  (ELSE=-1) INTO eqv3_temp.
EXECUTE.
VARIABLE LABELS eqv3_temp "(D) Equivalised Income Tertiles (for authors)".
VALUE LABELS eqv3_temp
  -1 'Item not applicable'
  1 'Highest Tertile (>£35,035)'
  2 'Middle Tertile (>£16,918 - £35,035)'
  3 'Lowest Tertile (<=£16,918)'.
freq eqv3_temp.

CROSSTABS eqv3 BY eqv3_temp.

***might need to take off split file if freq don't come out correctly.

do if mcclem=-90.
compute eqvinc=-90.
compute eqv5=-90.
compute eqv3=-90.
compute eqv5_temp=-90.
compute eqv3_temp=-90.
end if.
add value labels mcclem eqvinc eqv5 eqv3 eqv5_temp eqv3_temp
  -90 "Age of household member refused".
exe.

```

## EQV5W: (D) Equivalised Weekly Income - Quintiles

```

1 "<=£239"
2 "£239 - £370"
3 "£370 - £574"
4 "£574 - £950"
5 "£950 and over".

```

### SPSS Syntax

```

compute eqv5w=eqv5.
variable labels eqv5w "(D) Equivalised weekly income - quintiles".
value labels eqv5w
  1 "<=£239"
  2 "£239 - £370"
  3 "£370 - £574"
  4 "£574 - £950"
  5 "£950 and over".

```

## Nurse Admin

### QRTINT: (D) Quarter of year of individual interview

```

1 First quarter of year
2 Second quarter of year
3 Third quarter of year

```



**SPSS Syntax**

```

NUMERIC Qrtint (F3.0).
COMPUTE Qrtint=-99.
IF ANY(mintB,1,2,3) Qrtint=1.
IF ANY(mintB,4,5,6) Qrtint=2.
IF ANY(mintB,7,8,9) Qrtint=3.
IF ANY(mintB,10,11,12) Qrtint=4.
IF mintB<0 Qrtint=mintB.
EXECUTE.
VARIABLE LABELS Qrtint "(D) Quarter of year of individual interview".
VALUE LABELS Qrtint
  1 "First quarter of year"
  2 "Second quarter of year"
  3 "Third quarter of year"
  4 "Fourth quarter of year".

```

**QRTNVIS: (D) Quarter of year of nurse visit**

- 1 First quarter of year
- 2 Second quarter of year
- 3 Third quarter of year
- 4 Fourth quarter of year

**SPSS Syntax**

```

NUMERIC QrtNvis (F3.0).
COMPUTE QrtNvis=-99.
IF ANY(vismon,1,2,3) QrtNvis=1.
IF ANY(vismon,4,5,6) QrtNvis=2.
IF ANY(vismon,7,8,9) QrtNvis=3.
IF ANY(vismon,10,11,12) QrtNvis=4.
IF vismon<0 QrtNvis=vismon.
EXECUTE.
VARIABLE LABELS QrtNvis "(D) Quarter of year of nurse visit interview".
VALUE LABELS QrtNvis
  1 "First quarter of year"
  2 "Second quarter of year"
  3 "Third quarter of year"
  4 "Fourth quarter of year".

```

**NURDAYW: (D) Weekday of nurse interview**

- 1 Sunday
- 2 Monday
- 3 Tuesday
- 4 Wednesday
- 5 Thursday
- 6 Friday
- 7 Saturday

**SPSS Syntax**

```

DO IF visday>0.
COMPUTE nurdayw=XDATE.WKDAY(DATE.DMY(visday,vismon,visyr)).
ELSE.
COMPUTE nurdayw=visday.
END IF.
VARIABLE LABELS nurdayw "(D) Weekday of nurse interview".
VALUE LABELS nurdayw
  1 "Sunday"
  2 "Monday"
  3 "Tuesday"
  4 "Wednesday"
  5 "Thursday"
  6 "Friday"
  7 "Saturday".

```

## Relationships

---

**MARSTATD: (D) Marital status including cohabiters**

1. Single
2. Married
3. Civil partnership including spontaneous answers
4. Separated
5. Divorced

6. Widowed'
7. Cohabitees

#### SPSS Syntax

```
RECODE MaritalD (6=2)(7=3) (8=4) (9=5) (else=copy) INTO MarStatD.
COUNT xxx=relto01 to relto12 (2).
IF xxx>0 marstatD=6.
VARIABLE LABELS marstatD "(D) Marital status including cohabitees".
VALUE LABELS marstatD
  1 'Single'
  2 'Married'
  3 'Separated'
  4 'Divorced'
  5 'Widowed'
  6 'Cohabitees'.
```

#### MARSTATQ: (D) Marital status including cohabitees (including civil partnership category)

- 1 Single
- 2 Married
- 3 Civil partnership including spontaneous answers
- 4 Separated
- 5 Divorced
- 6 Widowed
- 7 Cohabitees

#### SPSS Syntax

```
recode marstatQ(3=4) (4=5) (5=6) (6 thru 9=3) (else=copy).
COUNT xxx=relto01 to relto12 (2).
IF xxx>0 marstatQ=7.
VARIABLE LABELS marstatQ "(D) Marital status including cohabitees(including civil partnership category)".
VALUE LABELS marstatQ
  1 'Single'
  2 'Married'
  3 'Civil partnership including spontaneous answers'
  4 'Separated'
  5 'Divorced'
  6 'Widowed'
  7 'Cohabitees'.
```

#### NATPR1: (D) Relationship of child to parent or guardian

#### NATPR2: (D) Relationship of child to other parent or guardian

- 1 Own natural child
- 2 Adopted child
- 3 Foster child
- 4 Step child
- 5 Grandchild
- 6 Brother/sister
- 7 Other relative

#### SPSS Syntax

```
do if any(par1,-1,97).
compute natpr1=-1.
end if.
do if par1=1.
recode relto01(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if par1=2.
recode relto02(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if par1=3.
recode relto03(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if par1=4.
recode relto04(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if par1=5.
recode relto05(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if par1=6.
recode relto06(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if par1=7.
recode relto07(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
```

```

do if par1=8.
recode relto08(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if par1=9.
recode relto09(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if par1=10.
recode relto10(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr1.
end if.
do if any(par2,-1,97).
compute natpr2=-1.
end if.
do if par2=1.
recode relto01(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
do if par2=2.
recode relto02(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
do if par2=3.
recode relto03(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
do if par2=4.
recode relto04(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
do if par2=5.
recode relto05(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
do if par2=6.
recode relto06(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
do if par2=7.
recode relto07(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
do if par2=8.
recode relto08(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
do if par2=9.
recode relto09(3=1)(4=2)(5=3)(6,7=4)(19=5)(13 thru 18=6)(-9 thru -1=COPY)(ELSE=7) into natpr2.
end if.
variable labels natpr1 "(D) Relationship of child to parent or guardian".
variable labels natpr2 "(D) Relationship of child to parent or guardian".
value labels natpr1 natpr2
  1 "Own natural child"
  2 "Adopted child"
  3 "Foster child"
  4 "Step child"
  5 "Grandchild"
  6 "Brother/sister"
  7 "Other relative".
exe.

```

## Sample Info

### URBAN: (D) Rurality of dwelling unit

- 1 Urban
- 2 Town & fringe
- 3 Village, hamlet and isolated dwellings

#### SPSS Syntax

```

Recode urindow (1=1) (2=2) (3=3) (4=3) (5=1) (6=2) (7 thru hi =3) (-9 thru -1 = COPY) into Urban.
var lab Urban "(D) Rurality of dwelling unit".
Val lab Urban
1 "Urban"
2 "Town & fringe"
3 "Village, hamlet and isolated dwellings".

```

### QIMD: (D) Quintile of IMD score (Index of multiple deprivation)

- 1 0.53->8.49 [least deprived]
- 2 8.49->13.79
- 3 13.79->21.35
- 4 21.35->34.17
- 5 34.17->87.80 [most deprived]

*The Overall Index of Multiple Deprivation 2010 (QIMD) is a composite index of relative deprivation at small area level, based on seven domains of deprivation: income; employment; health deprivation and disability; education, skills and training; barriers to housing and services; crime and disorder; and living environment. The method used in this report was to group the IMD2010 scores of all Super Output Areas in England into quintiles, ranked in ascending order of deprivation score (quintile 1 being least deprived). The postcode address of households in the 2011*

*survey was used to link to the Super Output Area of residence, and hence to the corresponding deprivation quintile. All individuals in each household were allocated to the deprivation quintile to which their household had been allocated.*

# Anthropometric Measurements

## Height/Weight Admin

HTOK: (D) Whether height measure is valid

- 1 Valid
- 2 Not usable
- 3 Refused
- 4 Attempted but not obtained
- 5 Not attempted

### SPSS Syntax

```
RECODE resphts (1=1)(2=3)(3=4)(4=5) (-1=-1) INTO Htok.  
IF relhite=3 htok=2.  
VARIABLE LABELS Htok "(D) Whether height measure is valid".  
VALUE LABELS Htok  
  1 "Valid"  
  2 "Not usable"  
  3 "Refused"  
  4 "Attempted but not obtained"  
  5 "Not attempted".  
fre htok.
```

WTOK: (D) Whether weight measure is valid

- 1 Valid
- 2 Not usable
- 3 Refused
- 4 Attempted but not obtained
- 5 Not attempted
- 90 Pregnant

### SPSS Syntax

```
RECODE respwts (0,1=1)(2=3)(3=4)(4=5)(-1=-1) INTO Wtok.  
IF relwaitb=3 wtok=2.  
IF pregnowb=1 wtok=-90.  
VARIABLE LABELS Wtok "(D) Whether weight measure is valid".  
VALUE LABELS wtok  
  1 "Valid"  
  2 "Not usable"  
  3 "Refused"  
  4 "Attempted but not obtained"  
  5 "Not attempted"  
 -90 "Pregnant".  
fre wtok.
```

BMIOK: (D) Whether BMI measure is valid

- 1 Valid
- 2 Height/weight not usable
- 3 Height/weight refused
- 4 Height/weight attempted but not obtained
- 5 Height/weight not attempted
- 90 Pregnant

*Obtained readings are coded as valid initially and then reset to not usable if the interviewer has indicated that they are unreliable. In the syntax for BMIOK, each line takes precedence over the previous line, such that if HTOK=3 and WTOK=4, then BMIOK=4*

### SPSS Syntax

```
IF any(1,htok) & wtok=1 bmiok=1.  
IF ANY(2,htok,wtok) bmiok=2.  
IF ANY(3,htok,wtok) bmiok=3.  
IF ANY(4,htok,wtok) bmiok=4.  
IF ANY(5,htok,wtok) bmiok=5.  
IF wtok=-90 bmiok=-90.  
IF htok=-1 & age>=2 bmiok=-1.  
IF age<2 bmiok=-1.  
IF wtok=-1 bmiok=-1.  
VARIABLE LABELS bmiok "(D) Whether bmi measure is valid".  
VALUE LABELS bmiok  
  1 "Valid"  
  2 "Height/weight not usable"
```

```
3 "Height/weight refused"
4 "Height/weight attempted but not obtained"
5 "Height/weight not attempted"
-90 "Pregnant".
```

## Measurements

HTVAL: (D) Valid height (cm)

### SPSS Syntax

```
COMPUTE htval=-1.
IF htok=1 htval=height.
VARIABLE LABELS htval "(D) Valid height (cm)".
FREQ htval.
```

WTVAL: (D) Valid weight (Kg) inc. estimated>130kg

*WTVAL includes respondents whose estimated weight was over 130kg, which was the upper limit of the scales used by interviewers. The reason for including them, is that although their weight may not be accurate, excluding them would bias the analysis of weight and body mass index.*

### SPSS Syntax

```
COMPUTE wtval=-1.
IF wtok=1 wtval=weight.
if range(wtsr,130,500) & any(wtok,3,4,5) wtval=wtsr.
VARIABLE LABELS wtval "(D) Valid weight (Kg) inc. estimated>130kg".
FORMATS wtval (f3.2).
```

WTVAL2: (D) Valid weight (Kg) inc. estimated>200kg

### SPSS Syntax

```
COMPUTE wtval2=-1.
IF wtok=1 wtval2=weight.
if range(wtsr,200,500) & any(wtok,3,4,5) wtval2=wtsr.
VARIABLE LABELS wtval2 "(D) Valid weight (Kg) inc. estimated>200kg".
FORMATS wtval2 (f3.2).
```

WSTVAL: (D) Valid Mean Waist (cm)

### SPSS Syntax

```
COMPUTE wstval=-1.
IF wstokb=1 wstval=(waist1+waist2)/2.
IF wstokb=2 wstval=(waist1+waist3)/2.
IF wstokb=3 wstval=(waist2+waist3)/2.
IF wstokb=4 wstval=(waist1+waist2+waist3)/3.
VARIABLE LABELS wstval "(D) Valid Mean Waist (cm)".
FORMATS wstval (F3.2).
```

HIPVAL: (D) Valid Mean Hip (cm)

### SPSS Syntax

```
COMPUTE hipval=-1.
IF hipokb=1 hipval=(hip1+hip2)/2.
IF hipokb=2 hipval=(hip1+hip3)/2.
IF hipokb=3 hipval=(hip2+hip3)/2.
IF hipokb=4 hipval=(hip1+hip2+hip3)/3.
VARIABLE LABELS hipval "(D) Valid Mean Hip (cm)".
```

BMIOWGT: (D) Overweight, incl obese, binary

- 1 Not overweight
- 2 Overweight or obese

### SPSS Syntax

```
COMPUTE BMIOwgt=-999.
```

```

RECODE BMIVAl (25 thru hi=2)(0 thru 25=1)(else=copy) into BMIOwgt.
VARIABLE LABELS BMIOwgt "(D) Overweight, incl obese,binary".
VALUE LABELS BMIOwgt
-1 'Not applicable'
-8 "Don't know"
-9 'Refuse'
1 'Not overweight'
2 'Overweight or obese'.

```

## BMISR: (D) Self-reported BMI

### SPSS Syntax

```

COMPUTE bmisr=-1.
IF htSr>0 & wtSr>0 bmisr=(wtSr*100*100)/(htSr*htSr).
If age<16 bmisr=-1.
VARIABLE LABELS bmisr "(D) Self-reported BMI".

```

## BMISRG5: (D) Self-reported BMI (grouped:<18.5,18.5-25,25-30,30-40 40+)

- 1 Under 18.5
- 2 18.5 and below 25
- 3 25 and below 30
- 4 30 and below 40
- 5 Over 40

### SPSS Syntax

```

RECODE bmisr (0 thru 18.5=1)(18.5 thru 25=2)(25 thru 30=3) (30 thru 40=4) (40 thru hi=5) (lo thru -1=copy)
INTO bmisrg5.
If age<16 bmisrg5=-1.
VARIABLE LABELS bmisrg5 "(D) Self-reported BMI (grouped:<18.5,18.5-25,25-30,30-40 40+)".
VALUE LABELS bmisrg5
1 "Under 18.5"
2 "18.5 and below 25"
3 "25 and below 30"
4 "30 and below 40"
5 "Over 40".

```

## BMI: (D) BMI - inc. unreliable measurements

### SPSS Syntax

```

COMPUTE bmi=-1.
IF height>0 & weight>0 bmi=(weight*100*100)/(height*height).
VARIABLE LABELS bmi "(D) BMI - inc unreliable measurements".
formats bmi (F3.2).

```

## BMIVAL: (D) Valid BMI measurements using estimated weight if measured weight >130kg

### SPSS Syntax

```

COMPUTE bmival=-1.
IF (bmiok=1) bmival=bmi.
IF (range(wtSr,130,500) & ANY(wtOk,3,4,5) & htOk=1) bmival=(wtSr * 100 * 100)/(height * height).
VARIABLE LABELS bmival "(D) Valid BMI measurements using estimated weight if >130kg".

```

## BMIVAL2: (D) Valid BMI measurements using estimated weight if measured weight over 200kg.

### SPSS Syntax

```

COMPUTE bmival2=-1.
IF (bmiok=1) bmival2=bmi.
IF (range(wtSr,200,500) & ANY(wtOk,3,4,5) & htOk=1) bmival2=(wtSr * 100 * 100)/(height * height).
VARIABLE LABELS bmival2 "(D) Valid BMI measurements using estimated weight if >200kg".

```

## BMIVG5: (D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) using estimated weight if >130kg

- 1 Under 18.5
- 2 18.5 and below 25

- 3 25 and below 30
- 4 30 and below 40
- 5 Over 40

#### SPSS Syntax

```
RECODE bmv1 (0 thru 18.5=1)(18.5 thru 25=2)(25 thru 30=3) (30 thru 40=4) (40 thru hi=5) (lo thru -
1=COPY) INTO bmv5.
If age<16 bmv5=-1.
VARIABLE LABELS bmv5 "(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if >130kg".
VALUE LABELS bmv5
1 "Under 18.5"
2 "18.5 and below 25"
3 "25 and below 30"
4 "30 and below 40"
5 "Over 40".
```

#### BMIVG52: (D) BMI (grouped: <18.5, 18.5-25,25-30,30-40,+40) using estimated weight if >200kg

- 1 Under 18.5
- 2 18.5 and below 25
- 3 25 and below 30
- 4 30 and below 40
- 5 Over 40

*The syntax recoding BMIV1 to BMIVG5 works such that a value of 25 will be coded as 2, as this is the first place that it appears, and will be overwritten to 3 by the subsequent condition on recode statement. Using this method avoids the danger of freak values falling between values such as between 24.99 and 25.00.*

#### SPSS Syntax

```
RECODE bmv12 (0 thru 18.5=1)(18.5 thru 25=2)(25 thru 30=3) (30 thru 40=4)
(40 thru hi=5) (lo thru -1=COPY) INTO bmv52.
If age<16 bmv52=-1.
VARIABLE LABELS bmv52 "(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if
>200kg".
VALUE LABELS bmv52
1 "Under 18.5"
2 "18.5 and below 25"
3 "25 and below 30"
4 "30 and below 40"
5 "Over 40".
```

#### BMIVG53: (D) Valid BMI (grouped: <18.5, 18.5-25,25-30,30-35,35+) if weight >200kg

- 1 Under 18.5
- 2 18.5 and below 25
- 3 25 and below 30
- 4 30 and below 35
- 5 Over 35

#### SPSS Syntax

```
RECODE bmv12 (0 thru 18.5=1)(18.5 thru 25=2)(25 thru 30=3) (30 thru 35=4) (35 thru hi=5) (lo thru -
1=COPY) INTO bmv53.
If age<16 bmv53=-1.
VARIABLE LABELS bmv53 "(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-35,35+) estimated weight if
>200kg".
VALUE LABELS bmv53
1 "Under 18.5"
2 "18.5 and below 25"
3 "25 and below 30"
4 "30 and below 35"
5 "Over 35".
```

#### BMIVG3: (D) BMI grouped combining underweight and normal, overweight and combining obese and morbidly obese

- 1 Not overweight or obese
- 2 Overweight
- 3 Obese

#### SPSS Syntax

```
recode bmv52 (1 thru 2=1)(3=2)(4 thru 5=3)(else=copy) into bmv3.
variable labels bmv3 "(D) BMI grouped combining underweight and normal, overweight and combining
obese and morbidly obese".
value labels bmv3
1 "Not overweight or obese"
2 "Overweight"
3 "Obese".
```



### BMIVG6: (D) BMI grouped with obese categories I,II,III

- 1 Underweight: less than 18.5'
- 2 Normal: 18.5 to less than 25'
- 3 Overweight: 25 to less than 30'
- 4 Obese I: 30 to less than 35'
- 5 Obese II: 35 to less than 40'
- 6 Obese III: 40 or more'.

#### SPSS Syntax

```
compute BMIVG6=0.
IF RANGE(BMIVAL,0,18.50) BMIVG6=1.
IF RANGE(BMIVAL,18.50,25.00) BMIVG6=2.
IF RANGE(BMIVAL,25.00,30.00) BMIVG6=3.
IF RANGE(BMIVAL,30.00,35.00) BMIVG6=4.
IF RANGE(BMIVAL,35.00,40.00) BMIVG6=5.
IF RANGE(BMIVAL,40.00,70.00) BMIVG6=6.
IF Age<16 | BMIVAL<0 | wstval<0 BMIVG6=-1.
VARIABLE LABELS BMIVG6 "(D) BMI grouped with Obese categories I, II, III".
val labels BMIVG6
1 'Underweight: less than 18.5'
2 'Normal: 18.5 to less than 25'
3 'Overweight: 25 to less than 30'
4 'Obese I: 30 to less than 35'
5 'Obese II: 35 to less than 40'
6 'Obese III: 40 or more'.
```

### BMI\_GROUP: (D) BMI grouped excluding underweight and combining obese and morbidly obese

- 1 "Normal"
- 2 "Overweight"
- 3 "Obese"
- 99 "underweight excluded from analysis".

#### SPSS Syntax

```
NUMERIC bmi_group (F3.0).
RECODE bmivg52 (1=-99) (2=1) (3=2) (4=3) (5=3) (else=copy) into bmi_group.
MISSING VALUES bmi_group(-99).
variable labels bmi_group "(D) BMI grouped excluding underweight and combining obese and morbidly obese".
value labels bmi_group
1 "Normal"
2 "Overweight"
3 "Obese"
-99 "underweight excluded from analysis".
```

### BMICAT1: (D) Children's BMI standards (85th/95th centile)

- 1 Normal-weight
- 2 Over-weight
- 3 Obese

#### SPSS Syntax

```
compute bmicat1=9.
IF sex=1 AND (intexage>=2 AND intexage<2.50) AND bmival<18.12 bmicat1=1.
IF sex=2 AND (intexage>=2 AND intexage<2.50) AND bmival<17.83 bmicat1=1.
IF sex=1 AND (intexage>=2.50 AND intexage<3) AND bmival<17.80 bmicat1=1.
IF sex=2 AND (intexage>=2.50 AND intexage<3) AND bmival<17.55 bmicat1=1.

IF sex=1 AND (intexage>=3 AND intexage<3.50) AND bmival<17.55 bmicat1=1.
IF sex=2 AND (intexage>=3 AND intexage<3.50) AND bmival<17.39 bmicat1=1.
IF sex=1 AND (intexage>=3.50 AND intexage<4) AND bmival<17.32 bmicat1=1.
IF sex=2 AND (intexage>=3.50 AND intexage<4) AND bmival<17.29 bmicat1=1.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND bmival<17.13 bmicat1=1.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND bmival<17.23 bmicat1=1.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND bmival<17.17 bmicat1=1.

IF sex=1 AND (intexage>=5 AND intexage<5.50) AND bmival<16.96 bmicat1=1.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND bmival<17.16 bmicat1=1.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND bmival<16.96 bmicat1=1.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND bmival<17.21 bmicat1=1.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND bmival<17.01 bmicat1=1.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND bmival<17.32 bmicat1=1.
```

```

IF sex=1 AND (intexage>=6.50 AND intexage<7) AND bmival<17.10 bmicat1=1.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND bmival<17.49 bmicat1=1.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND bmival<17.24 bmicat1=1.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND bmival<17.71 bmicat1=1.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND bmival<17.41 bmicat1=1.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND bmival<17.96 bmicat1=1.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND bmival<17.61 bmicat1=1.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND bmival<18.23 bmicat1=1.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND bmival<17.83 bmicat1=1.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND bmival<18.52 bmicat1=1.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND bmival<18.08 bmicat1=1.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND bmival<18.82 bmicat1=1.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND bmival<18.35 bmicat1=1.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND bmival<19.15 bmicat1=1.

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND bmival<18.64 bmicat1=1.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND bmival<19.49 bmicat1=1.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND bmival<18.94 bmicat1=1.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND bmival<19.85 bmicat1=1.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND bmival<19.26 bmicat1=1.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND bmival<20.22 bmicat1=1.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND bmival<19.59 bmicat1=1.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND bmival<20.60 bmicat1=1.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND bmival<19.93 bmicat1=1.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND bmival<20.98 bmicat1=1.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND bmival<20.29 bmicat1=1.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND bmival<21.37 bmicat1=1.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND bmival<20.65 bmicat1=1.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND bmival<21.74 bmicat1=1.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND bmival<21.02 bmicat1=1.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND bmival<22.10 bmicat1=1.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND bmival<21.39 bmicat1=1.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND bmival<22.45 bmicat1=1.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND bmival<21.76 bmicat1=1.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND bmival<22.77 bmicat1=1.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmival<22.12 bmicat1=1.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmival<23.08 bmicat1=1.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND bmival<22.48 bmicat1=1.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND bmival<23.35 bmicat1=1.

IF sex=1 AND (intexage>=2 AND intexage<2.50) AND (bmival>=18.12 AND bmival<19.10) bmicat1=2.
IF sex=2 AND (intexage>=2 AND intexage<2.50) AND (bmival>=17.83 AND bmival<18.84) bmicat1=2.
IF sex=1 AND (intexage>=2.50 AND intexage<3) AND (bmival>=17.80 AND bmival<18.77) bmicat1=2.
IF sex=2 AND (intexage>=2.50 AND intexage<3) AND (bmival>=17.55 AND bmival<18.56) bmicat1=2.

IF sex=1 AND (intexage>=3 AND intexage<3.50) AND (bmival>=17.55 AND bmival<18.51) bmicat1=2.
IF sex=2 AND (intexage>=3 AND intexage<3.50) AND (bmival>=17.39 AND bmival<18.42) bmicat1=2.
IF sex=1 AND (intexage>=3.50 AND intexage<4) AND (bmival>=17.32 AND bmival<18.27 ) bmicat1=2.
IF sex=2 AND (intexage>=3.50 AND intexage<4) AND (bmival>=17.29 AND bmival<18.35) bmicat1=2.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND (bmival>=17.13 AND bmival<18.08) bmicat1=2.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND (bmival>=17.23 AND bmival<18.32) bmicat1=2.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.01 AND bmival<17.97) bmicat1=2.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.17 AND bmival<18.31) bmicat1=2.

IF sex=1 AND (intexage>=5 AND intexage<5.50) AND (bmival>=16.96 AND bmival<17.95 ) bmicat1=2.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND (bmival>=17.16 AND bmival<18.35) bmicat1=2.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND (bmival>=16.96 AND bmival<17.99) bmicat1=2.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND (bmival>=17.21 AND bmival<18.46) bmicat1=2.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND (bmival>=17.01 AND bmival<18.10) bmicat1=2.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND (bmival>=17.32 AND bmival<18.65) bmicat1=2.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND (bmival>=17.10 AND bmival<18.26) bmicat1=2.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND (bmival>=17.49 AND bmival<18.91) bmicat1=2.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND (bmival>=17.24 AND bmival<18.48) bmicat1=2.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND (bmival>=17.71 AND bmival<19.22) bmicat1=2.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND (bmival>=17.41 AND bmival<18.74) bmicat1=2.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND (bmival>=17.96 AND bmival<19.56) bmicat1=2.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND (bmival>=17.61 AND bmival<19.04 ) bmicat1=2.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND (bmival>=18.23 AND bmival<19.93) bmicat1=2.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND (bmival>=17.83 AND bmival<19.36) bmicat1=2.

```

```

IF sex=2 AND (intexage>=8.50 AND intexage<9) AND (bmival>=18.52 AND bmival<20.30 ) bmicat1=2.
IF sex=1 AND (intexage>=9 AND intexage<9.50) AND (bmival>=18.08 AND bmival<19.70 ) bmicat1=2.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND (bmival>=18.82 AND bmival<20.70) bmicat1=2.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND (bmival>=18.35 AND bmival<20.05) bmicat1=2.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND (bmival>=19.15 AND bmival<21.10) bmicat1=2.

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND (bmival>=18.64 AND bmival<20.42 ) bmicat1=2.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND (bmival>=19.49 AND bmival<21.52) bmicat1=2.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND (bmival>=18.94 AND bmival<20.79) bmicat1=2.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND (bmival>=19.85 AND bmival<21.94) bmicat1=2.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND (bmival>=19.26 AND bmival<21.18 ) bmicat1=2.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND (bmival>=20.22 AND bmival<22.36) bmicat1=2.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND (bmival>=19.59 AND bmival<21.57) bmicat1=2.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND (bmival>=20.60 AND bmival<22.80 ) bmicat1=2.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND (bmival>=19.93 AND bmival<21.96 ) bmicat1=2.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND (bmival>=20.98 AND bmival<23.22) bmicat1=2.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND (bmival>=20.29 AND bmival<22.36) bmicat1=2.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND (bmival>=21.37 AND bmival<23.65 ) bmicat1=2.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND (bmival>=20.65 AND bmival<22.77 ) bmicat1=2.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND (bmival>=21.74 AND bmival<24.06) bmicat1=2.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND (bmival>=21.02 AND bmival<23.17) bmicat1=2.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND (bmival>=22.10 AND bmival<24.45 ) bmicat1=2.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND (bmival>=21.39 AND bmival<23.58) bmicat1=2.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND (bmival>=22.45 AND bmival<24.82) bmicat1=2.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND (bmival>=21.76 AND bmival<23.97) bmicat1=2.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND (bmival>=22.77 AND bmival<25.16) bmicat1=2.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND (bmival>=22.12 AND bmival<24.36) bmicat1=2.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND (bmival>=23.08 AND bmival<25.49) bmicat1=2.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND (bmival>=22.48 AND bmival<24.74) bmicat1=2.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND (bmival>=23.35 AND bmival<25.78 ) bmicat1=2.
exe.

*obesity*.
IF sex=1 AND (intexage>=2 AND intexage<2.50) AND (bmival>=19.10) bmicat1=3.
IF sex=2 AND (intexage>=2 AND intexage<2.50) AND (bmival>=18.84) bmicat1=3.
IF sex=1 AND (intexage>=2.50 AND intexage<3) AND (bmival>=18.77) bmicat1=3.
IF sex=2 AND (intexage>=2.50 AND intexage<3) AND (bmival>=18.56) bmicat1=3.

IF sex=1 AND (intexage>=3 AND intexage<3.50) AND (bmival>=18.51) bmicat1=3.
IF sex=2 AND (intexage>=3 AND intexage<3.50) AND (bmival>=18.42) bmicat1=3.
IF sex=1 AND (intexage>=3.50 AND intexage<4) AND (bmival>=18.27) bmicat1=3.
IF sex=2 AND (intexage>=3.50 AND intexage<4) AND (bmival>=18.35 ) bmicat1=3.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND (bmival>=18.08) bmicat1=3.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND (bmival>=18.32) bmicat1=3.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.97) bmicat1=3.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND (bmival>=18.31) bmicat1=3.

IF sex=1 AND (intexage>=5 AND intexage<5.50) AND (bmival>=17.95) bmicat1=3.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND (bmival>=18.35) bmicat1=3.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND (bmival>=17.99) bmicat1=3.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND (bmival>=18.46) bmicat1=3.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND (bmival>=18.10) bmicat1=3.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND (bmival>=18.65) bmicat1=3.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND (bmival>=18.26) bmicat1=3.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND (bmival>=18.91) bmicat1=3.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND (bmival>=18.48) bmicat1=3.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND (bmival>=19.22) bmicat1=3.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND (bmival>=18.74) bmicat1=3.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND (bmival>=19.56) bmicat1=3.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND (bmival>=19.04) bmicat1=3.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND (bmival>=19.93) bmicat1=3.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND (bmival>=19.36) bmicat1=3.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND (bmival>=20.30) bmicat1=3.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND (bmival>=19.70) bmicat1=3.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND (bmival>=20.70) bmicat1=3.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND (bmival>=20.05) bmicat1=3.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND (bmival>=21.10) bmicat1=3.

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND (bmival>=20.42) bmicat1=3.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND (bmival>=21.52) bmicat1=3.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND (bmival>=20.79) bmicat1=3.

```

```

IF sex=2 AND (intexage>=10.50 AND intexage<11) AND (bmival>=21.94) bmicat1=3.
IF sex=1 AND (intexage>=11 AND intexage<11.50) AND (bmival>=21.18) bmicat1=3.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND (bmival>=22.36) bmicat1=3.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND (bmival>=21.57) bmicat1=3.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND (bmival>=22.80) bmicat1=3.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND (bmival>=21.96) bmicat1=3.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND (bmival>=23.22) bmicat1=3.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND (bmival>=22.36) bmicat1=3.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND (bmival>=23.65) bmicat1=3.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND (bmival>=22.77) bmicat1=3.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND (bmival>=24.06) bmicat1=3.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND (bmival>=23.17) bmicat1=3.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND (bmival>=24.45) bmicat1=3.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND (bmival>=23.58) bmicat1=3.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND (bmival>=24.82) bmicat1=3.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND (bmival>=23.97) bmicat1=3.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND (bmival>=25.16) bmicat1=3.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND (bmival>=24.36) bmicat1=3.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND (bmival>=25.49) bmicat1=3.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND (bmival>=24.74) bmicat1=3.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND (bmival>=25.78) bmicat1=3.

IF (bmiok<>1 | age<2 | age>=16 | intexage<0) bmicat1=-1.

exe.

VARIABLE LABELS bmicat1 '(D) BMI standards age 2-15 (85th/95th centile) updated 2008'.
value labels bmicat1
  1 'Normal-weight'
  2 'Over-weight'
  3 'Obese'.

```

## BMICAT2: (D) Children's BMI status (overweight incl. obese)

- 1 Neither overweight nor obese
- 2 Overweight incl obese

### SPSS Syntax

```

RECODE bmicat1 (1=1) (2 thru 3=2)(else=copy) INTO bmicat2.
VARIABLE LABELS bmicat2 '(D) BMI status age 2-15 (ovrght inc. obese)'.
VALUE LABELS bmicat2
  1 'Neither overweight nor obese'
  2 'Overweight incl. obese'.

```

## BMICAT3: (D) Children's BMI status (non-obese vs obese)

- 1 Non-obese
- 2 Obese

### SPSS Syntax

```

RECODE bmicat1 (1 thru 2=1) (3=2)(else=copy) INTO bmicat3.
VAR LAB bmicat3 '(D) BMI status age 2-15 (non-obese vs obese)'.
VAL LAB bmicat3
  1 'Non-obese'
  2 'Obese'.
exe.
*missing values bmicat1 bmicat2 bmicat3 (-99 thru -1).
fre bmicat3.

temp.
select if (age>=2 and age<16 and bmival~-1 and bmicat1=-1).
list variables seriali age bmival.
EXECUTE.

```

## TOOLIGHT: (D) Whether Too Light

- 0 "No"
- 1 "Yes".

### SPSS Syntax

```

NUMERIC toolight (F2.0).

```

```
compute toollight = -999.
if adlwtgt=1 toollight=0.
if adlwtgt=2 toollight=0.
if adlwtgt=3 toollight=1.
if adlwtgt<0 toollight=adlwtgt.
variable labels toollight "(D) Whether too light".
value labels toollight
0 "No"
1 "Yes".
```

## WHVAL: (D) Valid Mean Waist/Hip ratio

### SPSS Syntax

```
COMPUTE whval=-1.
IF whokb=1 whval=wstval/hipval.
VARIABLE LABEL whval "(D) Valid Mean Waist/Hip ratio".
FORMATS whval (F3.2).
exe.
```

## MENWHGP: (D) Male waist-hip ratio groups (adults)

- 1 Less than 0.80
- 2 0.80, less than 0.85
- 3 0.85, less than 0.90
- 4 0.90, less than 0.95
- 5 0.95, less than 1.00
- 6 1.00 or more

## MENWHHI: (D) Male high waist-hip ratio

- 1 Less than 0.95
- 2 0.95 or more

### SPSS Syntax

```
do if sex=1.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into menwhgp.
RECODE whval (1.00 THRU hi=6)(0.95 THRU 1.00=5)(0.90 THRU 0.95=4)(0.85 THRU 0.90=3)
(0.80 THRU 0.85=2)(0.01 THRU 0.80=1) into menwhgp.
recode menwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into menwhhi.
VAR LAB menwhgp '(D) Male waist hip ratio groups (adults)'.
VAL LAB menwhgp
1 'Less than 0.80'
2 '0.80, less than 0.85'
3 '0.85, less than 0.90'
4 '0.90, less than 0.95'
5 '0.95, less than 1.00'
6 '1.00 or more'.
VAR LAB menwhhi '(D) Male high waist hip ratio'.
VAL LAB menwhhi
1 'Less than 0.95'
2 '0.95 or more'.
end if.
if sex=2 menwhgp=-1.
if sex=2 menwhhi=-1.
if age<=15 menwhgp=-1.
if age<=15 menwhhi=-1.
```

## WOMWHGP: (D) Female waist-hip ratio groups

- 1 Less than 0.70
- 2 0.70, less than 0.75
- 3 0.75, less than 0.80
- 4 0.80, less than 0.85
- 5 0.85, less than 0.90
- 6 0.90 or more
- 90 Pregnant

## WOMWHHI: (D) Female high waist-hip ratio

- 1 Less than 0.85
- 2 0.85 or more
- 90 Pregnant

### SPSS Syntax

```
do if sex=2.
```

```

recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into womwhgp.
RECODE whval (0.90 THRU hi=6)(0.85 THRU 0.90=5)(0.80 THRU 0.85=4)(0.75 THRU 0.80=3)
  (0.70 thru 0.75=2)(0.01 thru 0.70=1) into womwhgp.
recode womwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into womwhhi.

```

```

VAR LAB womwhgp '(D) Female waist hip ratio groups'.
VAL LAB womwhgp
  1 'Less than 0.70'
  2 '0.70, less than 0.75'
  3 '0.75, less than 0.80'
  4 '0.80, less than 0.85'
  5 '0.85, less than 0.90'
  6 '0.90 or more'
-90 'Pregnant'.
VAR LAB womwhhi '(D) Female high waist hip ratio'.
VAL LAB womwhhi
  1 'Less than 0.85'
  2 '0.85 or more'
-90 'Pregnant'.
end if.
if sex=1 womwhgp=-1.
if sex=1 womwhhi=-1.
if age<=15 womwhgp=-1.
if age<=15 womwhhi=-1.
fre womwhgp womwhhi.

```

### WAISTHI: (D) Raised waist measurement over 102cm for men and 88cm for women

- 1 Normal
- 2 Over 102/88cm

#### SPSS syntax

```

recode wstval (0 thru hi = 1) (else = copy) into waistthi.
if sex = 1 and wstval >102 waistthi = 2.
if sex = 2 and wstval >88 waistthi = 2.
variable labels waistthi "(D) Raised waist measurement over 102cm for men and 88cm for women".
value labels waistthi
  1 "Normal"
  2 "Over 102 / 88 cm".

```

### WSTGP3: (D) Waist circumference in in 3 groups (valid waist)

- 1 Desirable - less than 94cm men or 80cm women'
- 2 High – 94-102cm men or 80-88cm women '
- 3 Very high – over 102cm men or 88cm women'.

#### SPSS syntax

```

DO IF (sex=1) .
  RECODE wstval (0 thru 93.999=1) (94 thru 102=2) (102 thru Highest=3) (else = copy) INTO
wstgp3 .
  ELSE IF (sex=2) .
    RECODE wstval (0 thru 79.999=1) (80 thru 88=2) (88 thru Highest=3) (else = copy) INTO
wstgp3 .
  END IF .
EXECUTE .
freq wstgp3.

VARIABLE LABELS wstgp3 "(D) waist circumference in 3 groups (valid waist)".
VALUE LABELS wstgp3
  1 'Desirable - less than 94cm men or 80cm women'
  2 'High - 94-102cm men or 80-88cm women '
  3 'Very high - over 102cm men or 88cm women'.

```

### WAIST: (D) Waist circumference, defined by NICE (3 groups, based on valid waist and BMIVg6)

- 1 Low waist circ
- 2 High
- 3 Very high

#### SPSS syntax

```

DO IF wstval>50 & range(BMIVG6,1,6).
  DO IF (sex=1) .
    RECODE wstval (Lowest thru 93.999=1) (94 thru 102=2) (102 thru Highest=3) INTO waist .
    ELSE IF (sex=2) .
      RECODE wstval (Lowest thru 79.999=1) (80 thru 88=2) (88 thru Highest=3) INTO waist .
    END IF .

```

```

ELSE IF (wstval<=50 | (BMivg6<1 | BMivg6>6)).
    compute Waist=-1.
END IF.
EXECUTE .
freq waist.

VARIABLE LABELS Waist '(D) Waist circumference, defined by NICE (3 groups, based on valid waist and
BMivg6)'.
VALUE LABELS WAIST
  1 'Low waist circ'
  2 'High'
  3 'Very high'.
cro/tables = waist by sex.

```

## OHthRisk: (D) Health risk classifications based on BMI and waist circumference (as defined by NICE)

- 1 Underweight - low waist circ
- 2 Underweight - high waist circ
- 3 Underweight - very high waist circ
- 4 Normal - low waist circ
- 5 Normal - high waist circ
- 6 Normal - very high waist circ
- 7 Overweight - low waist circ
- 8 Overweight - high waist circ
- 9 Overweight - very high waist circ
- 10 Obese I - low waist circ
- 11 Obese I - high waist circ
- 12 Obese I - very high waist circ
- 13 Obese II - low waist circ
- 14 Obese II - high waist circ
- 15 Obese II - very high waist circ
- 16 Obese III - low waist circ
- 17 Obese III - high waist circ
- 18 Obese III - very high waist circ

### SPSS syntax

```

if bmivg6=1 & waist=1 OhthRisk=1.
if bmivg6=1 & waist=2 OhthRisk=2.
if bmivg6=1 & waist=3 OhthRisk=3.
if bmivg6=2 & waist=1 OhthRisk=4.
if bmivg6=2 & waist=2 OhthRisk=5.
if bmivg6=2 & waist=3 OhthRisk=6.
if bmivg6=3 & waist=1 OhthRisk=7.
if bmivg6=3 & waist=2 OhthRisk=8.
if bmivg6=3 & waist=3 OhthRisk=9.
if bmivg6=4 & waist=1 OhthRisk=10.
if bmivg6=4 & waist=2 OhthRisk=11.
if bmivg6=4 & waist=3 OhthRisk=12.
if bmivg6=5 & waist=1 OhthRisk=13.
if bmivg6=5 & waist=2 OhthRisk=14.
if bmivg6=5 & waist=3 OhthRisk=15.
if bmivg6=6 & waist=1 OhthRisk=16.
if bmivg6=6 & waist=2 OhthRisk=17.
if bmivg6=6 & waist=3 OhthRisk=18.
if waist<0 OhthRisk=Waist.
EXECUTE.
VARIABLE LABELS OHthRisk "(D) Health risk classifications based on body mass index (BMI) and waist
circumference (as defined by NICE)".
VALUE LABELS OHthRisk
  1 'Underweight - low waist circ'
  2 'Underweight - high waist circ'
  3 'Underweight - very high waist circ'
  4 'Normal - low waist circ'
  5 'Normal - high waist circ'
  6 'Normal - very high waist circ'
  7 'Overweight - low waist circ'
  8 'Overweight - high waist circ'
  9 'Overweight - very high waist circ'
  10 'Obese I - low waist circ'
  11 'Obese I - high waist circ'
  12 'Obese I - very high waist circ'
  13 'Obese II - low waist circ'
  14 'Obese II - high waist circ'
  15 'Obese II - very high waist circ'
  16 'Obese III - low waist circ'
  17 'Obese III - high waist circ'
  18 'Obese III - very high waist circ'.

```

OHthRiskg: (D) Health risk classifications based on BMI and waist circumference, grouped (as defined by NICE)

- 1 Unclassified
- 2 No increased risk
- 3 Increased risk
- 4 High risk
- 5 Very high risk

**SPSS syntax**

```
RECODE OHthRisk (1 thru 3=1)(4,5,7=2)(6,8,10=3) (9,11=4) (12 thru 18=5)(-1=-1) INTO OHthRiskg.
EXECUTE.
VARIABLE LABELS OHthRiskg "(D) Health risk classifications based on body mass index (BMI) and waist
circumference, grouped (as defined by NICE)".
VALUE LABELS OHthRiskg
1 'Unclassified (Underweight)'
2 'No increased risk'
3 'Increased risk'
4 'High risk'
5 'Very high risk'.
```

## Waist and Hip Admin

WSTOKB: (D) Whether waist measurements are valid

- 1 Usable 1st & 2nd measurements
- 2 Usable 1st & 3rd measurements
- 3 Usable 2nd & 3rd measurements
- 4 Usable 1st & 2nd & 3rd measurements
- 5 Not useable: unreliable
- 6 Not useable: difference > 3cm
- 7 Partial response
- 8 Refused
- 9 Not attempted
- 90 Pregnant

**SPSS syntax**

```
RECODE respwh (1=1)(2=7)(3=8)(4=9)(-6,-2,-1=COPY) INTO wstokb.
COMPUTE xxwst12=abs(waist1-waist2).
COMPUTE xxwst13=abs(waist1-waist3).
COMPUTE xxwst23=abs(waist2-waist3).
IF respwh=1 & xxwst12<=3 & any(wjrel,1,2,3) wstokb=1.
DO IF respwh=1 & xxwst12>3.
COMPUTE wstokb=6.
IF xxwst13<=3 wstokb=2.
IF xxwst23<=3 wstokb=3.
IF xxwst13<=3 & xxwst23<=3 wstokb=4.
END IF.
IF ANY(wjrel,4,-9) wstokb=5.
IF pregntj=1 wstokb=-90.
IF age<11 wstokb=-1.
VARIABLE LABELS wstokb "(D) Whether waist measurements are valid".
VALUE LABELS wstokb
1 'Usable 1st & 2nd measurements'
2 'Usable 1st & 3rd measurements'
3 'Usable 2nd & 3rd measurements'
4 'Usable 1st & 2nd & 3rd measurements'
5 'Not useable: unreliable'
6 'Not useable: difference > 3cm'
7 'Partial response'
8 'Refused'
9 'Not attempted'
-90 'Pregnant'.
```

HIPOKB: (D) Whether hip measurements are valid

- 1 Usable 1st & 2nd measurements
- 2 Usable 1st & 3rd measurements
- 3 Usable 2nd & 3rd measurements
- 4 Usable 1st & 2nd & 3rd measurements
- 5 Not useable: unreliable
- 6 Not useable: difference > 3cm
- 7 Partial response
- 8 Refused
- 9 Not attempted



# SPSS syntax

```
RECODE respwh (1=1)(2=7)(3=8)(4=9)(-6,-2,-1=COPY) INTO hipokb.
COMPUTE xxhip12=abs(hip1-hip2).
COMPUTE xxhip13=abs(hip1-hip3).
COMPUTE xxhip23=abs(hip2-hip3).
IF respwh=1 & xxhip12<=3 & any(hjrel,1,2,3) hipokb=1.
DO IF respwh=1 & xxhip12>3.
COMPUTE hipokb=6.
IF xxhip13<=3 hipokb=2.
IF xxhip23<=3 hipokb=3.
IF xxhip13<=3 & xxhip23<=3 hipokb=4.
END IF.
IF ANY(hjrel,4,-9) hipokb=5.
IF pregntj=1 hipokb=-90.
IF age<11 hipokb=-1.
VARIABLE LABELS hipokb "(D) Whether hip measurements are valid".
VALUE LABELS hipokb
  1 'Usable 1st & 2nd measurements'
  2 'Usable 1st & 3rd measurements'
  3 'Usable 2nd & 3rd measurements'
  4 'Usable 1st & 2nd & 3rd measurements'
  5 'Not useable: unreliable'
  6 'Not useable: difference > 3cm'
  7 'Partial response'
  8 'Refused'
  9 'Not attempted'
-90 "Pregnant".
```

## WHOKB: (D) Whether waist/hip measurements are valid

- 1 Valid
- 2 Waist/Hip not usable
- 3 Waist/Hip partial response
- 4 Waist/Hip refused
- 5 Waist/Hip not attempted
- 90 Pregnant

Obtained readings are coded as valid initially and then reset to not usable if the interviewer has indicated that they are unreliable. In the syntax for WHOKB, each line takes precedence over the previous line, such that if WSTOKB=7 and HIPOKB=8, then WHOKB=4

# SPSS Syntax

```
RECODE wstokb(-6,-2,-1=COPY) into whokb.
IF RANGE(wstokb,1,4) & RANGE(hipokb,1,4) whokb=1.
IF ANY(5,wstokb,hipokb) | ANY(6,wstokb,hipokb) whokb=2.
IF ANY(7,wstokb,hipokb) whokb=3.
IF ANY(8,wstokb,hipokb) whokb=4.
IF ANY(9,wstokb,hipokb) whokb=5.
IF hipokb=-90 whokb=-90.
IF age<11 whokb=-1.
VARIABLE LABELS whokb "(D) Whether waist/hip measure is valid".
VALUE LABELS whokb
  1 "Valid"
  2 "Waist/Hip not usable"
  3 "Waist/Hip partial response"
  4 "Waist/Hip refused"
  5 "Waist/Hip not attempted"
-90 "Pregnant".
```

# Blood sample

## Admin

### BSOUTE: (D) Blood Sample Outcome

- 1 Blood sample obtained
- 2 Blood sample attempted, not obtained
- 3 Refused blood sample or Nurse
- 4 Ineligible for Blood Sample or Nurse

#### SPSS Syntax

```
compute bsoute=4.
if age<16 bsoute=-1.
if age>=16 & any(nuroutc,80,82,83,84,85,86,87,88,89,90) bsoute=3.
if any(1,clotb,fit,pregntj) & age>=16 bsoute=4.
if bswill=2 bsoute=3.
recode samptak(1=1)(2=2) into bsoute.
variable labels bsoute "(D) Blood Sample Outcome".
value labels bsoute
  -1 "Item not applicable"
  1 "Blood sample obtained"
  2 "Blood sample attempted, not obtained"
  3 "Refused Blood Sample or Nurse"
  4 "Ineligible for Blood Sample or Nurse".
```

### CHOLOK2: (D) Response to Total Cholesterol sample

### HDLOK2: (D) Response to HDL Cholesterol sample

### GLYHBOK: (D) Response to Glycated HB sample

- 1 Valid sample
- 2 Takes drugs affecting sample
- 3 Sample not obtained, not usable
- 4 Ineligible
- 5 Refused

#### SPSS Syntax

```
recode samptak (-2=-2)(-1=4)(1,2=3) into cholok2.
if bswill=2 cholok2=5.
if cholest>0 & cholqual<0 cholok2=1.
if cholest>0 & lipid2=1 cholok2=2.
variable labels cholok2 "(D) Response to Total Cholesterol sample {revised}".
value labels cholok2
  1 "Valid sample"
  2 "Takes drugs affecting sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".

recode samptak (-2=-2)(-1=4)(1,2=3) into hdlok2.
if bswill=2 hdlok2=5.
if hdlchol>0 & hdlqual<0 hdlok2=1.
if hdlchol>0 & lipid2=1 hdlok2=2.
variable labels hdlok2 "(D) Response to HDL Cholesterol sample {revised}".
value labels hdlok2
  1 "Valid sample"
  2 "Takes drugs affecting sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".

recode samptak (-2=-2)(-1=4)(1,2=3) into glyhbok.
if bswill=2 glyhbok=5.
if glyhb>0 & glhbqual<0 glyhbok=1.
variable labels glyhbok "(D) Response to Glycated haemoglobin sample (%)".
value labels glyhbok
  1 "Valid sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".
```

# Measurements

## CHOLVAL2: (D) Valid Total Cholesterol Result (revised)

### SPSS Syntax

```
compute cholval2=-1.  
if cholok2=1 cholval2=cholest.  
formats cholval2 (F2.1).  
variable labels cholval2 "(D) Valid Total Cholesterol result {revised}".
```

## CHOLVAL12: (D) Valid Cholesterol Result (incl those on LLD) (revised)

### SPSS Syntax

```
compute cholval12=-1.  
if (cholok2=1 | cholok2=2) cholval12=cholest.  
formats cholval12 (F2.1).  
variable labels cholval12 "(D) Valid Total Cholesterol result (incl those on LLD) {revised}".  
tables  
/tables cholval12 by cholok2.
```

## CHOLFOUR2: (D) Whether Total Cholesterol <4 (including those on LLD) (revised)

- 1 <4.0
- 2 >4.0

### SPSS Syntax

```
COMPUTE cholfour2=cholval12.  
If cholval12>=4.0 cholfour2=2.  
if cholval12>0 & cholval12<4.0 cholfour2=1.  
VALUE LABELS cholfour2  
1 "<4.0"  
2 ">=4.0".  
variable labels cholfour2 "(D) Whether Total Cholesterol < 4 (incl those on LLD) {revised}".
```

## CHOLFIVE2: (D) Whether Total Cholesterol <5 (including those on LLD) (revised)

- 1 <5.0
- 2 >5.0

### SPSS Syntax

```
COMPUTE cholfive2=cholval12.  
if cholval12>=5.0 cholfive2=2.  
if cholval12>0 & cholval12<5.0 cholfive2=1.  
variable labels cholfive2 "(D) Whether Total Cholesterol < 5 (incl those on LLD) {revised}".  
VALUE LABELS cholfive2  
1 "<5.0"  
2 ">=5.0".
```

## HDLVAL2: (D) Valid HDL Cholesterol Result (revised)

### SPSS Syntax

```
compute hdlval2=-1.  
if hdlok2=1 hdlval2=hdlchol.  
formats hdlval2 (F2.1).  
variable labels hdlval2 "(D) Valid HDL Cholesterol result {revised}".
```

## HDLVAL12: (D) Valid HDL Cholesterol Result (incl those on LLD) (revised)

### SPSS Syntax

```
compute hdlval12=-1.  
if (hdlok2=1 | hdlok2=2) hdlval12=hdlchol.  
formats hdlval12 (F2.1).  
variable labels hdlval12 "(D) Valid HDL Cholesterol result (incl those on LLD) {revised}".
```

## HDLONE2: (D) Whether HDL Cholesterol <1 (incl those on LLD) (revised)

- 1 <1
- 2 >1

### SPSS Syntax

```
COMPUTE hdlone2=hdlval12.  
if hdlval12>=1 hdlone2=2.  
if hdlval12>0 and hdlval12<1 hdlone2=1.  
VALUE LABELS hdlone2  
  1 "<1"  
  2 ">=1".  
variable labels hdlone2 "(D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised}".
```

## GLYHBVAL: (D) Valid Glycated HB Result

### SPSS Syntax

```
compute glyhbval=-1.  
if glyhbok=1 glyhbval=glyhb.  
formats glyhbval (F2.1).  
variable labels glyhbval "(D) Valid Glycated haemoglobin result (%)".
```

## GLYHB3G: (D) Glycated haemoglobin 3 groups

- 1 Under 6.5
- 2 6.5 to 7.4
- 3 7.5 or over

### SPSS Syntax

```
recode glyhbval (7.5 thru hi = 3) (6.5 thru 7.4 = 2) (0 thru 6.4 = 1) (else = copy) into glyhb3g.  
add value labels glyhb3g  
  1 "Under 6.5"  
  2 "6.5 to 7.4"  
  3 "7.5 or over".  
var label glyhb3g "(D) Glycated haemoglobin (%) 3 groups".
```

## GLYHBHI: (D) Raised glycated haemoglobin

- 1 Not raised (under 6.5)
- 2 Raised (6.5 or over)

### SPSS Syntax

```
recode glyhbval (6.5 thru hi = 2) (0 thru 6.4 = 1) (else = copy) into glyhbhi.  
VARIABLE LABELS glyhbhi "(D) Raised Glycated haemoglobin (%)".  
add value labels glyhbhi  
  1 "Not raised (under 6.5)"  
  2 "Raised (6.5 or over)".
```

## IFFCVAL: (D) Valid Glycated haemoglobin Result in mmol per ml (IFFC)

### SPSS Syntax

```
recode IFCCA1 (else = copy) into iffcval.  
if glyhbval = 6.0 iffcval = 42.  
if glyhbval<0 iffcval=glyhbval.  
formats iffcval (F2.1).  
Variable labels iffcval "(D) Valid Glycated haemoglobin result in mmol/ml (IFFC)".
```

# Blood Pressure

## Admin

### BPRESPEC: (D) Whether BP readings are valid

- 1 Valid blood pressure measurement
- 2 Ate, drank, smoked, exercised in previous half hour
- 3 Not known if ate, drank, smoked or exercised
- 4 Three valid readings not obtained
- 5 Pregnant
- 6 Refused, attempted but not obtained, not attempted

#### SPSS Syntax

```
RECODE respbbs (1=1)(2,3=4)(4,5,6=6)(-9 thru -1=COPY) into bprespc.
IF ANY(full1,2,-8,-9) | ANY(full2,2,-8,-9) | ANY(full3,2,-8,-9) bprespc=4.
IF (respbbs = 1 & any(1,consbx11,consbx12,consbx13,consbx14)) bprespc= 2.
IF (respbbs = 1 & ANY(-9,consbx11,consbx12,consbx13,consbx14)) bprespc= 3.
IF (respbbs = 1 & any(1,consu2x1,consu2x4)) bprespc= 2.
IF (respbbs = 1 & ANY(-9,consu2x1,consu2x4)) bprespc= 3.
IF (pregntj = 1) bprespc = 5.
VARIABLE LABELS bprespc "(D) Whether BP readings are valid".
VALUE LABELS bprespc
  1 'Valid blood pressure measurement'
  2 'Ate, drank, smoked, exercised in previous half hour'
  3 'Not known if ate, drank, smoked or exercised'
  4 'Three valid readings not obtained'
  5 'Pregnant'
  6 'Refused, attempted but not obtained, not attempted'.
```

## Measurements

*In 2003 Blood pressure equipment was changed from Diamap to Omron. In previous years, blood pressure variables were also derived using a calibration factor to convert readings from the Omron measurements to a Dinamap equivalent. Due to changes in thresholds and a lack of need for the Dinamap conversions, these variables have not been in the HSE2012 data.*

OMDIASST: (D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid

OMSYST: (D) Omron Systolic BP (mean 2nd/3rd) inc. invalid

OMMAP: (D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid

OMPULS: (D) Omron Pulse pressure, systolic-diastolic inc. invalid

*These set of variables take the average of the second and third BP readings, where the nurse has recorded that three valid readings were taken. The variables include people whose values are unreliable in that they have eaten, drank, smoked or exercised in the last half hour. To look at valid cases only, use the DIAVAL, SYSVAL, MAPVAL and PULVAL set of variables.*

#### SPSS Syntax

```
DO REPEAT ommeas = omdiasst omsyst ommmap ompuls.
RECODE respbbs (10 thru 0=COPY)(4 thru 6=-7)(2 thru 3=-9) INTO ommeas.
END REPEAT.
DO IF (respbbs = 1).
  COMPUTE omdiasst = (dias2om + dias3om)/2.
  COMPUTE omsyst = (sys2om + sys3om)/2.
  COMPUTE ommmap = (map2om + map3om)/2.
  COMPUTE ompuls = omsyst-omdiasst.
END IF.
VARIABLE LABELS omdiasst "(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid" .
VARIABLE LABELS omsyst "(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid" .
VARIABLE LABELS ommmap "(D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid" .
VARIABLE LABELS ompuls "(D) Omron Pulse pressure, systolic-diastolic inc. invalid" .
VALUE LABELS ompuls -7 'Refused, attempted but not obtained, not attempted'.
```

OMDIAVAL: (D) Omron Valid Mean Diastolic BP  
 OMSYSVAL: (D) Omron Valid Mean Systolic BP  
 OMMAPVAL: (D) Omron Valid Mean Arterial Pressure  
 OMPULVAL: (D) Omron Valid Pulse Pressure

#### SPSS Syntax

```
DO REPEAT omval=omdiaval omsysval ommapval ompulval.
RECODE bprespc (1o thru 0=COPY)(2,5=-1)(3,4=-8)(6=-7) INTO omval.
END REPEAT.
DO IF bprespc=1.
  COMPUTE omdiaaval=omdiast.
  COMPUTE omsysval=omsyst.
  COMPUTE ommapval=ommap.
  COMPUTE ompulval=ompuls.
END IF.
VARIABLE LABELS omdiaaval "(D) Omron Valid Mean Diastolic BP" .
VARIABLE LABELS omsysval "(D) Omron Valid Mean Systolic BP" .
VARIABLE LABELS ommapval "(D) Omron Valid Mean Arterial Pressure" .
VARIABLE LABELS ompulval "(D) Omron Valid Pulse Pressure" .
```

HYPER1OM2: (D) Hypertensive categories: all prescribed drugs for BP (Omron readings)  
 {revised}

HYPER2OM2: (D) Hypertensive categories: all taking BP drugs (Omron readings) {revised}

HY140OM2: (D) Hypertensive categories: 140/90: all prescribed drugs for BP (Omron readings)  
 {revised}

- 1 Normotensive untreated
- 2 Normotensive treated
- 3 Hypertensive treated
- 4 Hypertensive untreated
- 7 Refused, attempted but not obtained, not attempted'.

*HYPER1 considers people as being 'treated' only if they have been prescribed a drug specifically to reduce blood pressure, whereas HYPER2 categorises people as 'treated' if they are taking any drug that lowers blood pressure regardless of the reason that it has been prescribed. The syntax uses variables derived in the General Health section under Prescribed Medication: Drugs affecting blood analytes.*

#### SPSS Syntax

```
RECODE bprespc (2 thru 5,-1=-1)(-6,-2=COPY)(6=-7) INTO hyper1om2.
DO IF bprespc=1.
  IF ANY(bpmedd2,0,-1) & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
    hyper1om2=1.
  IF bpmedd2=1 & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
    hyper1om2=2.
  IF bpmedd2=1 & (omsyst>=160 | omdiaast>=95) hyper1om2=3.
  IF ANY(bpmedd2,0,-1) & (omsyst>=160 | omdiaast>=95) hyper1om2=4.
END IF.
VARIABLE LABELS hyper1om2
  "(D) Hypertensive categories: all prescribed drugs for BP (Omron readings) {revised}" .
VALUE LABELS hyper1om2
  1 'Normotensive untreated'
  2 'Normotensive treated'
  3 'Hypertensive treated'
  4 'Hypertensive untreated'
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE bprespc (2 thru 5,-1=-1)(-6,-2=COPY)(6=-7) INTO hyper2om2.
DO IF bprespc=1.
  IF ANY(bpmedc2,0,-1) & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
    hyper2om2=1.
  IF bpmedc2=1 & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
    hyper2om2=2.
  IF bpmedc2=1 & (omsyst>=160 | omdiaast>=95) hyper2om2=3.
  IF ANY(bpmedc2,0,-1) & (omsyst>=160 | omdiaast>=95) hyper2om2=4.
END IF.
IF (bpmedc2 = -9) hyper2om2 = -9 .
VARIABLE LABELS hyper2om2
  "(D) Hypertensive categories: all taking BP drugs (Omron readings) {revised}" .
VALUE LABELS hyper2om2
  1 'Normotensive untreated'
  2 'Normotensive treated'
  3 'Hypertensive treated'
  4 'Hypertensive untreated'
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE bprespc(2 thru 5,-1=-1)(-6,-2=COPY)(6=-7) INTO hy140om2.
DO IF bprespc=1.
```

```

IF ANY(bpmedd2,0,-1) & RANGE(omsyst,0,139.999) & RANGE(omdiast,0,89.999)
  hy140om2=1.
IF bpmedd2=1 & RANGE(omsyst,0,139.999) & RANGE(omdiast,0,89.999)
  hy140om2=2.
IF bpmedd2=1 & (omsyst>=140 | omdiastr>=90) hy140om2=3.
IF ANY(bpmedd2,0,-1) & (omsyst>=140 | omdiastr>=90) hy140om2=4.
END IF.
IF (bpmedd2 = -9) hy140om2 = -9 .
VARIABLE LABELS hy140om2
  "(D) Hypertensive categories:140/90: all prescribed drugs for BP (Omron readings) {revised}" .
VALUE LABELS hy140om2
  1 'Normotensive'
  2 'Hypertensive controlled'
  3 'Hypertensive uncontrolled'
  4 'Hypertensive untreated'
  -7 'Refused, attempted but not obtained, not attempted'.

```

HIBP1OM2: (D) Whether hypertensive: all prescribed drugs for BP (Omron readings) {revised}

HIBP2OM2: (D) Whether hypertensive: all taking BP drugs (Omron readings) {revised}

HBP140OM2: (D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings) {revised}

- 0 Not high BP
- 1 High BP

*HIGHBP1 corresponds to HYPER1, whereas HIGHBP2 corresponds to HYPER2. The class of people who would be assigned to different categories are those who are taking drugs which lower blood pressure, but have not been prescribed the drugs specifically to lower their blood pressure and who have a normotensive blood pressure reading. These people would be recorded as having high blood pressure in HIGHBP2, but not high blood pressure in HIGHBP1.*

#### SPSS Syntax

```

RECODE hyperlom2 (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibplom2.
VARIABLE LABELS hibplom2 "(D) Whether hypertensive: all prescribed drugs for BP (Omron readings) {revised}".
VALUE LABELS hibplom2
  0 'Not high BP'
  1 'High BP'.
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE hyper2om2 (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp2om2.
VARIABLE LABELS hibp2om2 "(D) Whether hypertensive: all taking BP drugs (Omron readings) {revised}".
VALUE LABELS hibp2om2
  0 'Not high BP'
  1 'High BP'
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE hyl40om2 (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hbp140om2.
VARIABLE LABELS hbp140om2 "(D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings) {revised}".
VALUE LABELS hbp140om2
  0 'Not high BP'
  1 'High BP'
  -7 'Refused, attempted but not obtained, not attempted'.

```

BPHI3G: (D) Valid blood pressure 3 groups

- 1 BP under 130/80
- 2 BP under 140/90 but not under 130/80
- 3 BP 140/90 or above

#### SPSS syntax

```

recode omsysval (0 thru 129.5 = 1) (130 thru 139.5 = 2) (140 thru hi = 3) (else = copy) into bphi3g.
if bphi3g = 1 and omdiaval >= 80 bphi3g = 2.
if (bphi3g = 1 or bphi3g = 2) and omdiaval >= 90 bphi3g = 3.
var lab bphi3g "(D) Valid blood pressure 3 groups".
val lab bphi3g
1 "BP under 130/80"
2 "BP under 140/90 but not under 130/80"
3 "BP 140/90 or above"
-7 'Refused, attempted but not obtained, not attempted'.

```

HBP160OM: (D) Hypertensive untreated (160/100)

- 1 BP under 160/100 and/or taking medication
- 2 BP 160/100 or above and not taking medication

#### SPSS syntax

```

recode hyl40om2 (1 thru 3 = 1) (4=2) (else = copy) into hbp160om2.

```

```
if hy140om2>0 and range (omsysval,0,159.999) and range(omdiaval,0,99.999) hbp160om2 = 1.  
var lab hbp160om2 "(D) Hypertensive untreated (160/100): all prescribed drugs for BP (Omron readings)  
{revised}".  
val lab hbp160om2  
1 "BP under 160/100 and or taking medication"  
2 "BP 160/100 or above and not taking medication"  
-7 'Refused, attempted but not obtained, not attempted'.
```



# Drinking

## Adults General

DNOFT3: (D) Frequency drink alcohol in past 12 months: including non-drinkers (16yrs+)

- 1 Almost every day
- 2 Five or six days a week
- 3 Three or four days a week
- 4 Once or twice a week
- 5 Once or twice a month
- 6 Once every couple of months
- 7 Once or twice a year
- 8 Not at all in the last 12 months/Non-drinker

### SPSS Syntax

```
compute dnoft3=dnoft.  
recode dnany(2=8)(-9,-8=COPY) into dnoft3.  
recode dnnw(-9,-8=COPY) into dnoft3.  
variable labels dnoft3 "(D) Frequency drink alcohol in past 12 months: including non-drinkers (16yrs+)".  
value labels dnoft3  
  1 "Almost every day"  
  2 "Five or six days a week"  
  3 "Three or four days a week"  
  4 "Once or twice a week"  
  5 "Once or twice a month"  
  6 "Once every couple of months"  
  7 "Once or twice a year"  
  8 "Not at all in the last 12 months/Non-drinker".
```

DRINKYN: (D) Drink alcohol in last 12 months, binary

- 1 No
- 2 Yes

### SPSS Syntax

```
COMPUTE DrinkYN=-99.  
RECODE dnoft3 (1 thru 7=2) (8=1) (else=copy) INTO drinkYN.  
VARIABLE LABELS drinkYN "(D) Drink alcohol in last 12 months, binary".  
VALUE LABELS drinkYN  
-1 'Not applicable'  
-8 'Don't know'  
-9 'Refuse'  
  1 'No'  
  2 'Yes'.
```

NORBOT: (D) Normal beer bottle multiplier (16 yrs +)

STRBOT: (D) Strong beer bottle multiplier (16 yrs +)

### SPSS Syntax

```
COMPUTE norbot=0.  
IF l7ncodeq>=0 norbot=l7ncodeq*2.5.  
COMPUTE strbot=0.  
IF l7scodeq>=0 strbot=l7scodeq*4.  
exe.  
formats norbot strbot (F2.2).  
VARIABLE LABELS norbot "(D) Normal beer bottle multiplier (16yrs+)".  
VARIABLE LABELS strbot "(D) Strong beer bottle multiplier (16yrs+)".
```

## Adults 7 Days<sup>1</sup>

<sup>1</sup> Please note that in 2007 new questions were added asking which glass size was used when wine was consumed. Therefore the post HSE 2007 unit calculations are not directly comparable to previous years' data.

## D7MANY3: (D) Number of days drank in last week, including none

### SPSS Syntax

```
compute d7many3=d7many.  
if any(2,dnany,d7day) d7many3=0.  
if dnoft3=8 d7many3=0.  
variable labels d7many3 "(D) Number of days drank in last week, including none".
```

## D7UNITWG: (D) Units drunk on heaviest day in last 7 (16yrs+)

## D7UNITWGRP: (D) Units drunk on heaviest day in last 7 (16yrs+) (grouped)

- 1 Up to and including 2
- 2 Over 2 and up to (&including) 3
- 3 Over 3 and up to (&including) 4
- 4 Over 4 and up to (&including) 5
- 5 Over 5 and up to (&including) 6
- 6 Over 6 and up to (&including) 7
- 7 Over 8+

### SPSS Syntax

```
COMPUTE d7unitwg=0.  
IF (nberqhp7>0) d7unitwg=d7unitwg+nberqhp7.  
IF (nberqsm7>0) d7unitwg=d7unitwg+nberqsm7*1.5.  
IF (nberqlg7>0) d7unitwg=d7unitwg+nberqlg7*2.  
IF (nberqbt7>0) d7unitwg=d7unitwg+nberqbt7*2.  
IF (nberqpt7>0) d7unitwg=d7unitwg+nberqpt7*2.  
IF (sberqhp7>0) d7unitwg=d7unitwg+sberqhp7*2.  
IF (sberqpt7>0) d7unitwg=d7unitwg+sberqpt7*4.  
IF (sberqsm7>0) d7unitwg=d7unitwg+sberqsm7*2.  
IF (sberqbt7>0) d7unitwg=d7unitwg+sberqbt7*2.  
IF (sberqlg7>0) d7unitwg=d7unitwg+sberqlg7*3.  
IF (spirqme7>0) d7unitwg=d7unitwg+spirqme7.  
IF (sherqgs7>0) d7unitwg=d7unitwg+sherqgs7.  
IF (wgl250ml>0) d7unitwg=d7unitwg+wgl250ml*3.  
IF (wgl175ml>0) d7unitwg=d7unitwg+wgl175ml*2.  
IF (wgl125ml>0) d7unitwg=d7unitwg+wgl125ml*1.5.  
IF (wbtlgz>0) d7unitwg=d7unitwg+wbtlgz*1.5.  
IF (popsqsm7>0) d7unitwg=d7unitwg+popsqsm7*1.5.  
IF (popsqlg7>0) d7unitwg=d7unitwg+popsqlg7*3.  
IF ANY(-9,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,  
sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,  
wgl250ml,wgl175ml,wgl125ml,wl7bt, popsqsm7,popsqlg7) d7unitwg=-9.  
IF ANY(-8,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,  
sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,  
wgl250ml,wgl175ml,wgl125ml,wl7bt, popsqsm7,popsqlg7) d7unitwg=-8.  
IF ANY(-6,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,  
sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,  
wgl250ml,wgl175ml,wgl125ml,wl7bt, popsqsm7,popsqlg7) d7unitwg=-6.  
IF any(d7day,2,-1) d7unitwg=-1.  
formats d7unitwg (F2.1).  
VARIABLE LABELS d7unitwg"(D) Units drunk on heaviest day in last 7 (16yrs+)".  
  
variable label d7unitwgrp "(D) units drunk on heaviest day in last 7 (16yrs+)".  
value labels d7unitwgrp  
1 "Up to and including 2"  
2 "Over 2 and up to (& including) 3"  
3 "Over 3 and up to (& including) 4"  
4 "Over 4 and up to (& including) 5"  
5 "Over 5 and up to (& including) 6"  
6 "Over 6 and up to (& including) 8"  
7 "Over 8+".  
exe.
```

## WDRINK07B : (D) Women number of units

- 5 'Men'
- 0 'None'
- 1 'Up to and including 3 units'
- 2 'Greater than 3 and less than or equal to 6 units'
- 3 'Greater than 6 units'.

### SPSS syntax

```
compute wdrink07B=-5.  
DO if sex=2.  
recode d7unitwgrp (6 thru 7=3)(3 thru 5=2)(1 thru 2=1)  
(else=copy) into wdrink07B.  
recode d7many3 (0=0) into wdrink07B.
```

```

END if.
variable labels wdrink07B "(D) Women number of units".
value labels wdrink07B
-5 'Men'
0 'None'
1 'Up to and including 3 units'
2 'Greater than 3 and less than or equal to 6 units'
3 'Greater than 6 units'.
execute.

```

### MDRINK07B: (D) Men number of units

```

-5 'Women'
0 'None'
1 'Up to and including 4 units'
2 'Greater than 4 and less than or equal to 8 units'
3 'Greater than 8 units'.

```

#### SPSS syntax

```

compute mdrink07B=-5.
DO if sex=1.
recode d7unitwgrp (7=3)(4 thru 6=2)(1 thru 3=1)
  (else=copy) into mdrink07B.
recode d7many3 (0=0) into mdrink07B.
END if.
variable labels mdrink07B "(D) Men number of units".
value labels mdrink07B
-5 'Women'
0 'None'
1 'Up to and including 4 units'
2 'Greater than 4 and less than or equal to 8 units'
3 'Greater than 8 units'.
execute.

```

### ALCLIMIT07B: (D) Alcohol units – limits based on (variable d7unitwgrp) units per day.

```

0 None
1 <=4 units/day (men), <=3 (women)
2 >4 and <= 8 (men), >3 and less than or equal to 6 (women)
3 Greater than 8 units (men), greater than 6 units (women)

```

#### SPSS Syntax

```

missing values wdrink07B mdrink07B().
COMPUTE alclimit07B =-1.
if (mdrink07B=0) alclimit07B =0.
IF (mdrink07B=1) alclimit07B =1.
IF mdrink07B=2 alclimit07B =2.
IF mdrink07B=3 alclimit07B =3.
if (wdrink07B=0) alclimit07B =0.
IF (wdrink07B=1) alclimit07B =1.
IF wdrink07B=2 alclimit07B =2.
IF wdrink07B=3 alclimit07B =3.
if ((wdrink07B=-8|wdrink07B=-9|wdrink07B=-1) and (mdrink07B=-1|mdrink07B=-9|mdrink07B=-8)) alclimit07B =-1.
miss val alclimit07B (-9).
VAR LAB alclimit07B "(D) Alcohol units - limits based on (variable d7unitwgrp ) units per day".
VAL LAB alclimit07B
-1 'Not Applicable'
0 'None'
1 '<=4 units/day (men), <=3 (women)'
2 '>4 and <= 8 (men), >3 and less than or equal to 6 (women)'
3 'Greater than 8 units (men), greater than 6 units (women)'.
missing values wdrink07B (-9 thru -1).

```

### D7BEERU: (D) Units of normal beer on heaviest day

#### SPSS Syntax

```

freq nberqhp7 nberqsm7 nberqlg7 nberqbt7 nberqpt7 d7unitwg.
NUMERIC d7beeru (F2.1).
COMPUTE d7beeru=0.
IF (nberqhp7>0) d7beeru=d7beeru+nberqhp7.
IF (nberqsm7>0) d7beeru=d7beeru+nberqsm7*1.5.
IF (nberqlg7>0) d7beeru=d7beeru+nberqlg7*2.
IF (nberqbt7>0) d7beeru=d7beeru+nberqbt7*norbot.
IF (nberqpt7>0) d7beeru=d7beeru+nberqpt7*2.
if d7unitwg<= 0 d7beeru = d7unitwg .
VARIABLE LABELS d7beeru"(D) Units of normal beer on heaviest day".

```

## D7SBU: (D) Units of strong beer on heaviest day

### SPSS Syntax

```
NUMERIC d7sbu (F2.1).  
COMPUTE d7sbu=0.  
IF (sberqhp7>0) d7sbu=d7sbu+sberqhp7*2.  
IF (sberqpt7>0) d7sbu=d7sbu+sberqpt7*4.  
IF (sberqsm7>0) d7sbu=d7sbu+sberqsm7*2.  
IF (sberqbt7>0) d7sbu=d7sbu+sberqbt7*strbot.  
IF (sberqlg7>0) d7sbu=d7sbu+sberqlg7*3.  
if d7unitwg<= 0 d7sbu = d7unitwg .  
VARIABLE LABELS d7sbu "(D) Units of strong beer on heaviest day".
```

## D7SPIRU: (D) Units of spirits on heaviest day

### SPSS Syntax

```
NUMERIC d7spiru (F2.1).  
compute d7spiru=0 .  
IF (spirqme7>0) d7spiru=spirqme7.  
if d7unitwg<= 0 d7spiru = d7unitwg .  
VARIABLE LABELS d7spiru "(D) Units of spirits on heaviest day".
```

## D7WINU: (D) Units of wine on heaviest day

### SPSS Syntax

```
NUMERIC d7winu (F2.1).  
compute d7winu=0 .  
IF (wgl250ml>0) d7winu=d7winu+wgl250ml*3.0.  
IF (wgl175ml>0) d7winu=d7winu+wgl175ml*2.0.  
IF (wgl125ml>0) d7winu=d7winu+wgl125ml*1.5.  
IF (wbtlgz>0) d7winu=d7winu+wbtlgz*1.5.  
if d7unitwg<= 0 d7winu = d7unitwg .  
VARIABLE LABELS d7winu "(D) Units of wine on heaviest day".
```

## D7SHERU: (D) Units of sherry on heaviest day

### SPSS Syntax

```
NUMERIC d7sheru (F2.1).  
compute d7sheru=0 .  
IF (sherqgs7>0) d7sheru=sherqgs7.  
if d7unitwg<= 0 d7sheru = d7unitwg .  
VARIABLE LABELS d7sheru "(D) Units of sherry on heaviest day".
```

## D7POPU: (D) Units of alcopops on heaviest day

### SPSS Syntax

```
NUMERIC d7popu (F2.1).  
compute d7popu=0 .  
IF (popsqsm7>0) d7popu=d7popu+popsqsm7*1.5.  
IF (popsqlg7>0) d7popu=d7popu+popsqlg7*3.  
if d7unitwg<= 0 d7popu = d7unitwg .  
VARIABLE LABELS d7popu "(D) Units of alcopops on heaviest day".
```

# Adult 12 months

NBEERWU: (D) Units of normal beer/week  
 SBEERWU: (D) Units of strong beer/week  
 SPIRWU: (D) Units of spirits/week  
 SHERWU: (D) Units of sherry/week  
 WINEWU: (D) Units of wine/week  
 POPSWU: (D) Units of alcopops/week

*Variables with 'x' as a prefix are temporary variables and are not kept on the final data*

#### SPSS Syntax

```
missing values all ().
compute xnbeer=0 .
do if nbeer > 0.
RECODE nbeer (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xnbeer.
else if scnbeer > 0.
RECODE scnbeer (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xnbeer.
end if .

compute xsbeer=0 .
do if sbeer>0 .
RECODE sbeer (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xsbeer.
else if scsbeer>0 .
RECODE scsbeer (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xsbeer.
end if .

compute xspir=0.
do if spirits>0 .
RECODE spirits (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xspir.
else if scspirit>0 .
RECODE scspirit (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xspir.
end if .

compute xsher=0 .
do if sherry>0 .
RECODE sherry (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xsher.
else if scsherry>0 .
RECODE scsherry (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xsher.
end if .

COMPUTE xwine=0 .
do if wine>0 .
RECODE wine (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xwine.
else if scwine>0 .
RECODE scwine (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xwine.
end if .

compute xpops=0 .
do if pops>0 .
RECODE pops (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xpops.
else if scpops>0 .
RECODE scpops (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xpops.
end if .

exe.

COMPUTE nbeerwu=0.
*CAPI variables .
if (nbeerml > 0) nbeerwu=nbeerwu+(xnbeer*nbeerq1).
if (nbeerml2 > 0) nbeerwu=nbeerwu+(xnbeer*nbeerq2*1.5).
if (nbeerml3 > 0) nbeerwu=nbeerwu+(xnbeer*nbeerq3*2).
if (nbeerml4 > 0) nbeerwu=nbeerwu+(xnbeer*nbeerq4*1.5).
*self-comp variables .
if (scnbeeql > 0) nbeerwu=nbeerwu+(xnbeer*scnbeeql).
if (scnbeeql2 > 0) nbeerwu=nbeerwu+(xnbeer*scnbeeql2*1.5).
if (scnbeeql3 > 0) nbeerwu=nbeerwu+(xnbeer*scnbeeql3*2).
formats nbeerwu (F2.1).
exe.
```

```

fre nbeerwu.

* strong beer.

COMPUTE sbeerwu=0.
*CAPI variables .
if (sbeerm1 > 0) sbeerwu=sbeerwu+(xsbeer*sbeerq1*2).
if (sbeerm2 > 0) sbeerwu=sbeerwu+(xsbeer*sbeerq2*2).
if (sbeerm3 > 0) sbeerwu=sbeerwu+(xsbeer*sbeerq3*3).
if (sbeerm4 > 0) sbeerwu=sbeerwu+(xsbeer*sbeerq4*2).
*self-comp variables .
if (scsbeeq1 > 0) sbeerwu=sbeerwu+(xsbeer*scsbeeq1*2).
if (scsbeeq2 > 0) sbeerwu=sbeerwu+(xsbeer*scsbeeq2*2).
if (scsbeeq3 > 0) sbeerwu=sbeerwu+(xsbeer*scsbeeq3*3).
formats sbeerwu (F2.1).
exe.
fre sbeerwu.

COMPUTE spirwu=0.
if (spiritsq>0) spirwu=spirwu+(xspir*spiritsq).
if (scspirq>0) spirwu=spirwu+(xspir*scspirq).
formats spirwu (f2.1).
exe.
fre spirwu.

COMPUTE sherwu=0.
if (sherryq>0) sherwu=sherwu+(xsher*sherryq).
if (scsherrq>0) sherwu=sherwu+(xsher*scsherrq).
formats sherwu (f2.1).
exe.
fre sherwu.

compute winewu=0 .
*CAPI variables .
if bwineq2=1 winewu=winewu+(xwine*wineq*1.5) .
if bwineq2=2 winewu=winewu+(xwine*wineq*2) .
if bwineq2=3 winewu=winewu+(xwine*wineq*3) .
if bwineq2=4 winewu=winewu+(xwine*wineq*9) .
if bwineq2=5 winewu=winewu+(xwine*wineq*2) .

*self-comp variables .
if (scwineq1>0) winewu=winewu+(xwine*scwineq1*1.5) .
if (scwineq2>0) winewu=winewu+(xwine*scwineq2*2) .
if (scwineq3>0) winewu=winewu+(xwine*scwineq3*3) .
if (scwineq4>0) winewu=winewu+(xwine*scwineq4*9) .
formats winewu (f2.1).
exe.
fre winewu.

COMPUTE popswu=0.
*CAPI variables .
if (popsly11>0) popswu=popswu+(xpops*popsq11*1.5).
if (popsly12>0) popswu=popswu+(xpops*popsq12*1.5).
if (popsly13>0) popswu=popswu+(xpops*popsq13*3).
*self-comp variables .
if (scpopsq1>0) popswu=popswu+(xpops*scpopsq1*3).
if (scpopsq2>0) popswu=popswu+(xpops*scpopsq2*1.5).
if (scpopsq3>0) popswu=popswu+(xpops*scpopsq3*1.5).
formats popswu (f2.1).
exe.
format nbeerwu sbeerwu spirwu sherwu winewu popswu (F3.2).
VARIABLE LABELS
  nbeerwu "(D) Units of normal beer/week"
  sbeerwu "(D) Units of strong beer/week"
  spirwu "(D) Units of spirits/week"
  sherwu "(D) Units of sherry/week"
  winewu "(D) Units of wine/week"
  popswu "(D) Units of alcopops/week".
exe.

add value labels nbeerwu sbeerwu spirwu sherwu winewu popswu
-9 "Refused/not answered"
-8 "Don't know"
-1 "Item not applicable".

```

TOTALWU: (D) Total unit so of alcohol/week

#### SPSS Syntax

```
COMPUTE totalwu=0.
```

```

IF (nbeerwu>0) totalwu=totalwu+nbeerwu.
IF (sbeerwu>0) totalwu=totalwu+sbeerwu.
IF (spirwu>0) totalwu=totalwu+spirwu.
IF (sherwu>0) totalwu=totalwu+sherwu.
IF (winewu>0) totalwu=totalwu+winewu.
IF (popswu>0) totalwu=totalwu+popswu.
IF ANY(-9,nbeerwu,sbeerwu,spirwu,sherwu,winewu,popswu) totalwu=-9.
IF ANY(-8,nbeerwu,sbeerwu,spirwu,sherwu,winewu,popswu) totalwu=-8.
IF ANY(-1,nbeerwu,sbeerwu,spirwu,sherwu,winewu,popswu) totalwu=-1.
IF age<16 totalwu=-1.
VARIABLE LABELS totalwu "(D) Total units of alcohol/week".
FORMATS totalwu (F3.2).
value label totalwu
-9 "Refused/not answered"
-8 "Don't know"
-1 "Item not applicable".

```

## TOTALWUG: (D) Total units of alcohol per week grouped

- 0 None drinker/ not in last 12 months
- 1 Non-zero, but under 1
- 2 1-7
- 3 Over 7-10
- 4 Over 10-14
- 5 Over 14-21
- 6 Over 21-28
- 7 Over 28-35
- 8 Over 35-50
- 9 Over 50

### SPSS Syntax

```

compute totalwug=alcbase.
if range(alcbase,1,3) totalwug=0 .
if alcbase>3 totalwug=alcbase-3.
if dnoft=8 totalwug=0 .

VARIABLE LABELS totalwug "(D) Alcohol units per week grouped".
VALUE LABELS totalwug
 0 "Non-drinker/not in last 12 months"
 1 "Non-zero, but under 1"
 2 "1-7"
 3 "Over 7-10"
 4 "Over 10-14"
 5 "Over 14-21"
 6 "Over 21-28"
 7 "Over 28-35"
 8 "Over 35-50"
 9 "Over 50"

```

## ALCBASE: (D) Alcohol consumption rating units/week

- 0 Never drank
- 1 Ex-drinker
- 2 Trivial drinker
- 3 Non-zero, but under 1
- 4 1-7
- 5 Over 7-10
- 6 Over 10-14
- 7 Over 14-21
- 8 Over 21-28
- 9 Over 28-35
- 10 Over 35-50
- 11 Over 50

### SPSS Syntax

```

RECODE totalwu (0=3) (0 thru 0.5=4)(0.5 thru 7=5) (7 thru 10=6) (10 thru 14=7) (14 thru 21=8)
(21 thru 28=9)( 28 thru 35=10) (35 thru 50=11)(50 thru hi=12) INTO alcbase.
exe.
RECODE dnevr(1=1)(2=2) INTO alcbase.
IF ANY(-9,totalwu,dnnow,dnany,dnevr) alcbase=-9.
IF ANY(-8,totalwu,dnnow,dnany,dnevr) alcbase=-8.
IF ANY(-1,totalwu,dnnow) alcbase=-1.
VARIABLE LABELS alcbase "(D) Alcohol consumption rating units/week".
VALUE LABELS alcbase
 1 "Never drank"
 2 "Ex-drinker"
 3 "Trivial drinker"

```

```

4 "Non-zero, but under 1"
5 "1-7"
6 "Over 7-10"
7 "Over 10-14"
8 "Over 14-21"
9 "Over 21-28"
10 "Over 28-35"
11 "Over 35-50"
12 "Over 50"
-9 "Refused/not answered"
-8 "Don't know"
-1 "Item not applicable".

```

## ALCBSMT: (D) Alcohol consumption: men

- 0 Never drunk alcohol
- 1 Ex-drinker
- 2 Under 1 per week
- 3 Over 1-10
- 4 Over 10-21
- 5 Over 21-35
- 6 Over 35-50
- 7 Over 50 units per week
- 8 Over 50 units per week

### SPSS Syntax

```

DO IF (sex=1).
RECODE alcbase (1=1)(2=2)(3 thru 4=3)(5 thru 6=4)(7 thru 8=5)(9 thru 10=6)
  (11=7)(12=8)(lo thru -1=COPY) INTO alcbsmt .

END IF .
IF (sex=2) alcbsmt=-1 .
END IF .
IF (sex=1) alcbswt=-1 .
VARIABLE LABELS alcbsmt "(D) Alcohol consumption: men" .
VALUE LABELS alcbsmt
  1 'Never drunk alcohol'
  2 'Ex-drinker'
  3 'Under 1 per week'
  4 'Over 1-10'
  5 'Over 10-21'
  6 'Over 21-35'
  7 'Over 35-50'
  8 'Over 50 units per week'.

```

## ALCBSWT: (D) Alcohol consumption: women

- 1 Never drunk alcohol
- 2 Ex-drinker
- 3 Under 1 per week
- 4 Over 1-7
- 5 Over 7-14
- 6 Over 14-21
- 7 Over 21-35
- 8 Over 35

### SPSS Syntax

```

DO IF (sex=2).
RECODE alcbase (1=1)(2=2)(3 thru 4=3)(5=4)(6 thru 7=5)(8=6)(9 thru 10=7)
  (11 thru 12=8)(lo thru -1=COPY) INTO alcbswt .

END IF .
IF (sex=1) alcbswt=-1 .
VARIABLE LABELS alcbswt "(D) Alcohol consumption: women" .
VALUE LABELS alcbswt
  1 'Never drunk alcohol'
  2 'Ex-drinker'
  3 'Under 1 per week'
  4 'Over 1-7'
  5 'Over 7-14'
  6 'Over 14-21'
  7 'Over 21-35'
  8 'Over 35'.

```

## MENWUG: (D) Weekly alcohol consumption: men

- 0 Non-drinker/not in the last 12 months
- 1 Under 1 per week
- 2 Over 1-10
- 3 Over 10-21
- 4 Over 21-35



- 5 Over 35-50
- 6 Over 50 units per week

#### SPSS Syntax

```
DO IF (sex=1).
RECODE totalwug (0=0) (1 =1) (2 thru 3=2 ) (4 thru 5=3) (6 thru 7=4) (8=5) (9=6) (else=COPY) INTO menwug
IF (sex=2) menwug=-1
END IF .
VARIABLE LABELS menwug "(D) Weekly alcohol consumption: men" .
VALUE LABELS menwug
  0 'Non-drinker/not in last 12 months'
  1 'Under 1 per week'
  2 'Over 1-10'
  3 'Over 10-21'
  4 'Over 21-35'
  5 "Over 35-50"
  6 'Over 50 units per week'.
```

#### MENWUGg2: (D) Weekly alcohol consumption for men, 3 groups

- 1 None/ up to 21 units
- 2 21-50
- 3 More than 50 units

#### SPSS Syntax

```
COMPUTE MenWUGg2=-99.
RECODE MenWug (0 thru 3=1)(4 thru 5=2)(6=3)(else=copy) into MenWUGg2.
VARIABLE LABELS MenWUGg2 "(D) Weekly alcohol consumption for men, 3 groups".
VALUE LABELS MenWUGg2
-1 'Not applicable'
-8 "Don't know"
-9 'Refuse'
  1 'None/Up to 21 units'
  2 '21-50'
  3 'More than 50 units'.
```

#### WOMENWUG: (D) Weekly alcohol consumption: women

- 0 Non-drinker/not in the last 12 months
- 1 Under 1 per week
- 2 Over 1-7
- 3 Over 7-14
- 4 Over 14-21
- 5 Over 21-35
- 6 Over 35

#### SPSS Syntax

```
DO IF (sex=2).
RECODE totalwug (0=0) (1=1) (2=2) (3 thru 4=3) (5=4) (6 thru 7=5) (8 thru 9=6) (else=COPY) INTO womenwug .
END IF .
IF (sex=1) womenwug=-1 .
VARIABLE LABELS womenwug "(D) Weekly alcohol consumption: women" .
VALUE LABELS womenwug
  0 'Non-drinker/not in last 12 months'
  1 'Under 1 per week'
  2 'Over 1-7'
  3 'Over 7-14'
  4 'Over 14-21'
  5 "Over 21-35"
  6 'Over 35'.
```

#### WOMENWUGg2: (D) Weekly alcohol consumption for women, 3 groups

- 1 None/ up to 14 units
- 2 14-35
- 3 More than 35 units

#### SPSS Syntax

```
COMPUTE WomenWUGg2=-99.
RECODE WomenWug (0 thru 3=1) (4 thru 5=2) (6=3) (else=copy) into WomenWUGg2.
VARIABLE LABELS WomenWUGg2 "(D) Weekly alcohol consumption for Women, 3 groups".
VALUE LABELS WomenWUGg2
-1 'Not applicable'
-8 "Don't know"
-9 'Refuse'
  1 'None/Up to 14 units'
```

```
2 '14-35'
3 'More than 35 units'.
```

## Children 13-15

### ADRKWQ08<sup>2</sup>: (D) Total units of alcohol in last 7 days (13-15yrs)

*Because data on drinking in the last 7 days for 13-15s is collected by self-completion, there is a greater level of missing data. The normal approach is if someone has missing data on any of the component variables to make them missing on the derived variable. In this case, because of the large amount of missing data, it was decided to temporarily set missing values equal to the mean of the valid answers to come up with an overall figure for units drunk in the last 7 days.*

#### SPSS Syntax

```
exe. COMPUTE adrkqw08= 0 .
RECODE adrlast(-2=-2)(-9=-1)(-6=-6) INTO adrkqw08.
IF age>15 or age<13 adrkqw08=-2.
IF (aber2w=-9 & aspirw=-9 & asherw=-9 & awinew=-9 & apopsw=-9) adrkqw08=-9.
IF (aber2w=-2 & aspirw=-2 & asherw=-2 & awinew=-2 & apopsw=-2) adrkqw08=-2.
IF (adrlast=-1 and adrprop=-9 and (age>=13 and age<=15)) adrkqw08=-9.
IF (aber2w = 1 & xxber2q2 > 0) adrkqw08= adrkqw08+ xxber2q2 .
IF (aspirw = 1 & xxspirq > 0) adrkqw08= adrkqw08+ xxspirq .
IF (asherw = 1 & xxsherq > 0) adrkqw08= adrkqw08+ xxsherq .
IF (awinew = 1 & xxwineq > 0) adrkqw08= adrkqw08+ xxwineq .
IF (apopsw = 1 & xxpopsq2 > 0) adrkqw08= adrkqw08+ xxpopsq2 .
VARIABLE LABELS adrkqw08 "(D) Total units of alcohol in last 7 days (13-15yrs)".
formats adrkqw08 (F2.1).
add value labels adrkqw08 -2 'Schedule not applicable (aged<13 or >15)'.
```

### ADRKWQ08G<sup>2</sup>: (D) Total units of alcohol in last 7 days (grouped) (13-15yrs)

- 0 None
- 1 Less than 1 unit
- 2 1, under 2 units
- 3 2, under 4 units
- 4 4, under 6 units
- 5 6, under 10 units
- 6 10, under 15 units
- 7 15 or more units

#### SPSS syntax

```
missing values adrkqw08 ().
Compute adrkqw08g=adrkqw08.
IF adrkqw08>0 and adrkqw08<1 adrkqw08g=1.
IF adrkqw08>=1 and adrkqw08<2 adrkqw08g=2.
IF adrkqw08>=2 and adrkqw08<4 adrkqw08g=3.
IF adrkqw08>=4 and adrkqw08<6 adrkqw08g=4.
IF adrkqw08>=6 and adrkqw08<10 adrkqw08g=5.
IF adrkqw08>=10 and adrkqw08<15 adrkqw08g=6.
IF adrkqw08>=15 adrkqw08g=7.
IF adrkqw08<0 adrkqw08g=adrkqw08.
var lab adrkqw08g "(D) Total units of alcohol in last 7 days - grouped (13-15yrs)".
val lab adrkqw08g
-2 'Schedule not applicable (aged<13 or >15)'
-1 'Item Not Applicable'
0 "None"
1 "Less than 1 unit"
2 "1, under 2 units"
3 "2, under 4 units"
4 "4, under 6 units"
5 "6, under 10 units"
6 "10, under 15 units"
7 "15 or more units".
```

<sup>2</sup> Please note that in 2007 new questions were added asking which glass size was used when wine was consumed, this created a false accuracy as 13-15yr old children rarely know about glass size, this was therefore not continued past 2007.

ABER2WC: (D) Drunk beer in last 7 days - inc. non-drinkers  
ASPIRWC: (D) Drunk spirits in last 7 days - inc. non-drinkers  
ASHERWC: (D) Drunk sherry in last 7 days - inc. non-drinkers  
AWINEWC: (D) Drunk wine in last 7 days - inc. non-drinkers  
APOPSWC: (D) Drunk alcopops in last 7 days - inc. non-drinkers

- 0 Never drinks
- 1 Has drunk drink in last 7 days
- 2 Not drunk drink in last 7 days

*All variables in this group have the same value labels.*

#### **SPSS Syntax**

```
COMPUTE aber2wc=aber2w.
COMPUTE aspirwc=aspirw.
COMPUTE asherwc=asherw.
COMPUTE awinewc=awinew.
COMPUTE apopswc=apopsw.
DO REPEAT xxdk=aber2wc aspirwc asherwc awinewc apopswc.
IF RANGE(adrlast,4,7) & range(age,13,15) xxdk=2.
if adrpops=2 & range(age,13,15) xxdk=0.
IF any(-9,adrlast,adrprop,adrpops) & range(age,13,15) xxdk=-9.
END REPEAT.
VARIABLE LABELS
  aber2wc "(D) Drunk beer in last 7 days - inc. non-drinkers"
  /aspirwc "(D) Drunk spirits in last 7 days - inc. non-drinkers"
  /asherwc "(D) Drunk sherry in last 7 days - inc. non-drinkers"
  /awinewc "(D) Drunk wine in last 7 days - inc. non-drinkers"
  /apopswc "(D) Drunk alcopops in last 7 days - inc. non-drinkers".
VALUE LABELS aber2wc aspirwc asherwc awinewc apopswc
  0 "Never drinks"
  1 "Has drunk drink in last 7 days"
  2 "Not drunk drink in last 7 days".
```

# Eye Care

## General Eyesight

HEEYE2: (D) Self reported eye sight, grouped (3 groups)

- 1 Excellent/ very good
- 2 Good
- 3 Fair/ poor

### SPSS Syntax

```
COMPUTE HeEye2=-99.
RECODE HeEye (2=1)(3=2)(4,5=3)(ELSE=copy) INTO HeEye2.
EXECUTE.
VARIABLE LABELS HeEye2 "(D) Self reported eye sight, grouped (3 groups)".
VALUE LABELS HeEye2
-9 "No answer/Refused"
-8 "Don't know"
-1 "Not applicable"
1 "Excellent/very good"
2 "Good"
3 "Fair/poor"
96 "Certified blind or partially sighted".
```

SEELIM2: (D) Frequency activities are limited by eye sight, grouped (binary)

- 1 Activities limited at least sometimes
- 2 Rarely or never

### SPSS Syntax

```
NUMERIC SeeLim2 (F3.0).
COMPUTE SeeLim2=-99.
RECODE SeeLim (1 thru 3=1)(4 thru 5=2) (else=copy) into SeeLim2.
exe.
VARIABLE LABELS SeeLim2 "(D) Frequency activities are limited by eye sight, grouped (binary)".
VALUE LABELS SeeLim2
1 "Activities limited at least sometimes"
2 "Rarely or never"
-1 "Not applicable"
-8 "Don't know"
-9 "No answer/Refused".
```

## Certified conditions

BLIND: (D) Certified blind or partially sighted grouped (binary)

- 1 Total blind/ partially sighted
- 2 Reasonable eyesight and not certified

### SPSS Syntax

```
COMPUTE Blind=-99.
IF Range(age,0,15) Blind=-1.
IF Blind=-99 & (HeEye=96 | any(certBlnd,1,2)) Blind=1.
IF Blind=-99 & (any(HeEye,1,2,3) | certBlnd=3) Blind=0.
IF Blind=-99 & (HeEye=-8 | certBlnd=-8) Blind=-8.
IF Blind=-99 & (HeEye=-9 | certBlnd=-9) Blind=-9.
Freq Blind.
VARIABLE LABELS Blind "(D) Certified blind or partially sighted, grouped (binary)".
VALUE LABELS Blind
1 "Total blind/partially sighted"
0 "Reasonable eyesight and not certified"
-1 "Not applicable"
-8 "Don't know"
-9 "No answer/Refused".
```

# Use of eye services

---

## EYEOFT2: (D) Frequency of eye tests, grouped (binary)

- 1 At least every 2 years
- 2 Less than every 2 years

### **SPSS Syntax**

```
NUMERIC EyeOft2 (F3.0).  
COMPUTE EYeOft2=-99.  
RECODE EyeOft (1 thru 3=1) (4 thru 6=2)(else=copy) into EYeOft2.  
exe.  
VARIABLE LABELS EyeOft2 "(D) Frequency of eye tests, grouped (binary)".  
VALUE LABELS EyeOft2  
1 "At least every 2 years"  
2 "Less than every 2 years"  
-1 "Not applicable"  
-8 "Don't know"  
-9 "No answer/Refused".
```

# Fruit and vegetable consumption

## Fruit and vegetable consumption

---

PORLGE: (D) Large portion Please advise on label

### SPSS Syntax

```
COMPUTE porlge=0.  
DO REPEAT xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11  
  /yyy=frtq01 frtq02 frtq03 frtq04 frtq05 frtq06 frtq07 frtq08 frtq09 frtq10 frtq11.  
IF (xxx=2 & yyy>0) porlge=porlge+yyy*2.  
END REPEAT.
```

PORSML: (D) Small portion Please advise on label

### SPSS Syntax

```
COMPUTE porsml=0.  
DO REPEAT xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11  
  /yyy=frtq01 frtq02 frtq03 frtq04 frtq05 frtq06 frtq07 frtq08 frtq09 frtq10 frtq11.  
IF (xxx=4 & yyy>0) | (xxx=5 & yyy>0) porsml=porsml+yyy/2.
```

POROTH: (D) Other portion Please advise on label

### SPSS Syntax

```
COMPUTE poroth=0.  
DO REPEAT xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11  
  /yyy=frtq01 frtq02 frtq03 frtq04 frtq05 frtq06 frtq07 frtq08 frtq09 frtq10 frtq11.  
IF (xxx=1 & yyy>0) | (xxx=3 & yyy>0) poroth=poroth+yyy.  
END REPEAT.
```

PORPUL: (D) Portion of pulses

### SPSS Syntax

```
COMPUTE porpul=0.  
IF (vegpul=1 & vegpulq>0) porpul=vegpulq/3.  
IF porpul>1 porpul=1.  
IF ANY(vegpul,-9,-8) | ANY(vegpulq,-9,-8) porpul=-9.
```

PORSAL: (D) Portion of salad

### SPSS Syntax

```
COMPUTE porsal=0.  
IF (vegsal=1 & vegsalq>0) porsal=vegsalq.  
IF ANY(vegsal,-9,-8) | ANY(vegsalq,-9,-8) porsal=-9.
```

PORVEG: (D) Portion of vegetables

### SPSS Syntax

```
COMPUTE porveg=0.  
IF (vegveg=1 & vegvegq>0) porveg=vegvegq/3.  
IF ANY(vegveg,-9,-8) | ANY(vegvegq,-9,-8) porveg=-9.
```

## PORVDISH: (D) Portion of vegetables in composites

### SPSS Syntax

```
COMPUTE porvdish=0.  
IF (vegdish=1 & vegdishq>0) porvdish=vegdishq/3.  
IF ANY(vegdish,-9,-8) | ANY(vegdishq,-9,-8) porvdish=-9.
```

## PORJUICE: (D) Portion of fruit juice

### SPSS Syntax

```
COMPUTE porjuice=0.  
IF (frtdrnk=1 & frtdrnkq>0) porjuice=frtdrnkq.  
IF porjuice>1 porjuice=1.  
IF ANY(frtdrnk,-9,-8) | ANY(frtdrnkq,-9,-8) porjuice=-9.
```

## PORFRT: (D) Portion of all sized fruit

### SPSS Syntax

```
COMPUTE porfirt=porlge+porsml+poroth.  
IF ANY(frt,-9,-8) porfirt=-9.
```

## PORDRY: (D) Portion of dried fruit

### SPSS Syntax

```
COMPUTE pordry=0.  
IF (frtdry=1 & frtdryq>0) pordry=frtdryq.  
IF pordry>1 pordry=1.  
IF ANY(frtdry,-9,-8) | ANY(frtdryq,-9,-8) pordry=-9.
```

## PORFROZ: (D) Portion of frozen fruit/ canned fruit

### SPSS Syntax

```
COMPUTE porfroz=0.  
IF (frtfroz=1 & frtfrozq>0) porfroz=frtfrozq/3.  
IF ANY(frtfroz,-9,-8) | ANY(frtfrozq,-9,-8) porfroz=-9.
```

## PORFDISH: (D) Portion of fruit in composites

### SPSS Syntax

```
COMPUTE porfdish=0.  
IF (frtdish=1 & frtdishq>0) porfdish=frtdishq/3.  
IF ANY(frtdish,-9,-8) | ANY(frtdishq,-9,-8) porfdish=-9.
```

## VEGPOR: (D) Total portion of vegetables (inc. salad)

### SPSS Syntax

```
COMPUTE vegpor=porpul+porsal+porveg+porvdish.  
IF porsal=-9 & porpul=-9 & porveg=-9 & porvdish=-9 vegpor=-9.
```

## FRTPOR: (D) Total portion of fruit

### SPSS Syntax

```
COMPUTE frtpor=porjuice+porfrt+pordry+porfroz+porfdish.  
IF porjuice=-9 & pordry=-9 & porfroz=-9 & porfdish=-9 & porfrt=-9 frtpor=-9.
```

## PORFV: (D) Total portion of fruit and veg

### SPSS Syntax

```
COMPUTE porfv=vegpor+frtpor.  
IF vegpor=-9 & frtpor=-9 porfv=-9.
```

## PORFTVG: (D) Grouped portions of fruit (inc. orange juice) & veg yesterday

- 0 None
- 1 Less than 1 portion
- 2 1 portions or more but less than 2
- 3 2 portions or more but less than 3
- 4 3 portions or more but less than 4
- 5 4 portions or more but less than 5
- 6 5 portions or more but less than 6
- 7 6 portions or more but less than 7
- 8 7 portions or more but less than 8
- 9 8 portions or more

### SPSS Syntax

```
RECODE porfv (0=0) (8 thru hi=9) (7 thru 8=8) (6 thru 7=7) (5 thru 6=6) (4 thru 5=5) (3 thru 4=4) (2 thru 3=3)  
          (1 thru 2=2) (0 thru 1=1) (else=copy) into porftvg.  
VARIABLE LABELS porftvg "(D) Grouped portions of fruit (inc.orange juice) & veg yesterday" .  
VALUE LABELS porftvg  
  0 "None"  
  1 "Less than 1 portion"  
  2 "1 portion or more but less than 2"  
  3 "2 portions or more but less than 3"  
  4 "3 portions or more but less than 4"  
  5 "4 portions or more but less than 5"  
  6 "5 portions or more but less than 6"  
  7 "6 portions or more but less than 7"  
  8 "7 portions or more but less than 8"  
  9 "8 portions or more".
```

## VEGYN: (D) Any vegetables? (binary)

- 0 None
- 1 Yes

### SPSS Syntax

```
RECODE Porveg (0=0) (0 thru hi = 1) (else=copy) into VegYN.  
VARIABLE LABELS VegYN "(D) Any vegetables? (binary)".  
VALUE LABELS VegYN  
  0 "None"  
  1 "Yes".
```

## VDISHYN: (D) Any vegetables in composites? (binary)

- 0 None
- 1 Yes

### SPSS Syntax

```
RECODE Porvdish (0=0) (0 thru hi = 1) (else=copy) into VDishYN.  
VARIABLE LABELS vdishyn "(D) Any vegetables in composites? (binary)".  
VALUE LABELS VDishYN  
  0 "None"  
  1 "Yes".
```



**FRTYN: (D) Any fresh fruit? (binary)**

0 None  
1 Yes

**SPSS Syntax**

```
RECODE Porfrt (0=0)(0 thru hi = 1) (else=copy) into FrtYn.  
VARIABLE LABELS FrtYN "(D) Any fresh fruit? (binary)".  
VALUE LABELS FrtYN  
0 "None"  
1 "Yes".
```

**FDISHYN: (D) Any fruit in composites? (binary)**

0 None  
1 Yes

**SPSS Syntax**

```
RECODE Porfdish (0=0)(0 thru hi = 1) (else=copy) into fdishYN.  
VARIABLE LABELS fdishYN "(D) Any fruit in composites? (binary)".  
VALUE LABELS fdishYN  
0 "None"  
1 "Yes".
```

**DRYYN:(D) Any dried fruit? (binary)**

0 None  
1 Yes

**SPSS Syntax**

```
RECODE Pordry (0=0)(0 thru hi = 1) (else=copy) into DryYN.  
VARIABLE LABELS DryYN "(D) Any dried fruit? (binary)".  
VALUE LABELS dryYN  
0 "None"  
1 "Yes".
```

**FROZYN: (D) Any frozen fruit? (binary)**

0 None  
1 Yes

**SPSS Syntax**

```
RECODE Porfroz (0=0)(0 thru hi = 1)(else=copy) into frozYN.  
VARIABLE LABELS FrozYN "(D) Any frozen fruit? (binary)".  
VALUE LABELS frozYN  
0 "None"  
1 "Yes".
```

**PULYN: (D) Any pulses? (binary)**

0 None  
1 Yes

**SPSS Syntax**

```
RECODE Porpul (0=0)(0 thru hi = 1) (else=copy) into PulYN.  
VARIABLE LABELS PulYN "(D) Any pulses? (binary)".  
VALUE LABELS PulYN  
0 "None"  
1 "Yes".
```

**JUICEYN: (D) Any fruit juice? (binary)**

0 None  
1 Yes

**SPSS Syntax**

```
RECODE Porjuice (0=0)(0 thru hi = 1) (else=copy) into juiceYN.
```

```
VARIABLE LABELS juiceyn "(D) Any fruit juice? (binary)".
VALUE LABELS juiceyn
0 "None"
1 "Yes".
```

### SALYN: (D) Any salad? (binary)

```
0 None
1 Yes
```

#### SPSS Syntax

```
RECODE Porsal (0=0)(0 thru hi = 1) (else=copy) into SalYN.
VARIABLE LABELS salyn "(D) Any salad? (binary)".
VALUE LABELS salyn
0 "None"
1 "Yes".
```

### FVYN: (D) Any fruit and vegetables? (binary)

```
0 None
1 Yes
```

#### SPSS Syntax

```
RECODE PorFV (0=0)(0 thru hi = 1) (else=copy) into FVyn.
VARIABLE LABELS FVyn "(D) Any fruit and vegetables? (binary)".
VALUE LABELS FVyn
0 "None"
1 "Yes".
```

### PORFV05: (D) Portions of fruit and vegetables consumed, 6 groups – capped 5+

```
0 None
1 Less than 1
2 1 portion or more but less than 2
3 2 portions or more but less than 3
4 3 portions or more but less than 4
5 4 portions or more but less than 5
6 5 portions or more
```

#### SPSS Syntax

```
RECODE PorFtVg (7,8,9=6) (else=copy) into PorFV05.
VARIABLE LABELS PorFV05 "(D) Portions of fruit and vegetables consumed, 6 groups - capped at 5+".
VALUE LABELS PorFV05
-9 "No answer/refused"
-1 "Not applicable"
0 "None"
1 "Less than 1"
2 "1 portion or more but less than 2"
3 "2 portions or more but less than 3"
4 "3 portions or more but less than 4"
5 "4 portions or more but less than 5"
6 "5 portions or more".
```

### VEGTYN: (D) Any vegetables eaten, incl salad, excl pulses? (binary)

```
0 None
1 Yes
```

#### SPSS Syntax

```
COMPUTE VegtYN=-99.
IF range(age,0,4) VegtYN=-1.
IF (PorSal>0 | PorVeg>0 | PorVdish>0) VegtYN=1.
IF (PorSal=0 & PorVeg=0 & PorVdish=0) VegtYN=0.
IF VegtYN=-99 & (any(0, PorSal, PorVeg, PorVdish) | any(-9, PorSal, PorVeg, PorVdish)) VegtYN=-9.
VARIABLE LABELS VegtYN "(D) Any vegetables eaten, incl salad, excl pulses? (binary)".
VALUE LABELS VegtYN
0 "None"
1 "Yes".
```

## VEGTYN2: (D) Any vegetables eaten, excl salad & pulses? (binary)

0 None  
1 Yes

### SPSS Syntax

```
COMPUTE VegtYN2=-99.  
IF RANGE(age,0,4) VegtYN2=-1.  
IF (PorVeg>0 | PorVdish>0) VegtYN2=1 .  
IF (PorVeg=0 & PorVdish=0) VegtYN2=0.  
IF VegtYN2=-99 & (any(0, PorVeg, PorVdish) | any(-9, PorVeg, PorVdish)) VegtYN2=-9.  
VARIABLE LABELS VegtYN2 "(D) Any vegetables eaten, excl salad & pulses? (binary)".  
VALUE LABELS VegtYN2  
0 "None"  
1 "Yes".
```

## FRTTYN: (D) Any fruit eaten? (Fruit, dry, frozen composites, incl juice, (binary))

0 None  
1 Yes

### SPSS Syntax

```
COMPUTE FrttYN=-99.  
IF RANGE(age,0,4) FrttYN=-1.  
IF (PorFRT>0 | PorDRY>0 | PorFRoz>0 | PorFDish>0 | PorJuice>0) FrttYN=1 .  
IF (PorFRT=0 & PorDRY=0 & PorFRoz=0 & PorFDish=0 & PorJuice=0) FrttYN=0 .  
IF FrttYN=-99 & (ANY(0, PorFRT, PorDRY, PorFRoz, PorFDish, PorJuice) | ANY(-9, PorFRT, PorDRY, PorFRoz, PorFDish, PorJuice)) FrttYN=-9 .  
VARIABLE LABELS FrttYN "(D) Any fruit eaten? (Fruit, dry, frozen composites, incl juice (binary))".  
VALUE LABELS FrttYN  
0 "None"  
1 "Yes".
```

## FRTTYN2: (D) Any fruit eaten? (Fruit, dry, frozen composites excl juice, (binary))

0 None  
1 Yes

### SPSS Syntax

```
COMPUTE FrttYN2=-99.  
IF RANGE(age,0,4) FrttYN2=-1.  
IF (PorFRT>0 | PorDRY>0 | PorFRoz>0 | PorFDish>0) FrttYN2=1 .  
IF (PorFRT=0 & PorDRY=0 & PorFRoz=0 & PorFDish=0) FrttYN2=0 .  
IF FrttYN2=-99 & (ANY(0, PorFRT, PorDRY, PorFRoz, PorFDish) | ANY(-9, PorFRT, PorDRY, PorFRoz, PorFDish)) FrttYN2=-9 .  
VARIABLE LABELS FrttYN2 "(D) Any fruit eaten? (Fruit, dry, frozen composites excl juice, (binary))".  
VALUE LABELS FrttYN2  
0 "None"  
1 "Yes".
```

# General Health

## General Health

ACUTILL: (D) Acute sickness last two weeks

- 1 No acute sickness
- 2 1-3 days
- 3 4-6 days
- 4 7-13 days
- 5 A full 2 weeks

### SPSS Syntax

```
COMPUTE acutill=lastfort .
IF lastfort=1 & dayscut<0 acutill=-9.
IF lastfort=2 acutill = 1 .
RECODE dayscut (1 thru 3=2) (4 thru 6=3) (7 thru 13=4) (14 thru hi=5) INTO acutill.
VARIABLE LABEL acutill "(D) Acute sickness last two weeks" .
VALUE LABELS acutill
  1 'No acute sickness'
  2 '1-3 days'
  3 '4-6 days'
  4 '7-13 days'
  5 'A full 2 weeks'.
```

## General Wellbeing

WEMWBS: (D) WEMWBS Score

### SPSS Syntax

```
COMPUTE wemwbs = 0.
DO REPEAT Wtemp=OPTIMF to CHEER.
if (Wtemp>=1) wemwbs=wemwbs+wtemp.
end repeat.
IF (ANY( -1, OPTIMF to CHEER)) wemwbs = -1.
IF (ANY( -8, OPTIMF to CHEER)) wemwbs = -8.
IF (ANY( -9, OPTIMF to CHEER)) wemwbs = -9.
VARIABLE LABELS wemwbs '(D) WEMWBS score'.
```

## Diabetes

DIABETE2: (D) Doctor diagnosed diabetes (excluding pregnant)

- 1 "Yes"
- 2 "No".

### SPSS Syntax

```
RECODE diabetes (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO diabete2.
IF (sex=2 & dioth=2) diabete2=2.
IF (ANY(-9,diabetes,dipreg)) diabete2=-9.
IF (ANY(-8,diabetes,dipreg)) diabete2=-8.
if age<=15 diabete2=-1.
VARIABLE LABELS diabete2 "(D) Doctor diagnosed diabetes (excluding pregnant)".
VALUE LABELS diabete2
  1 "Yes"
  2 "No".
```

DIABETE2R: (D) Doctor diagnosed diabetes (excluding pregnant) {revised}

- 1 "Yes"
- 2 "No".

### SPSS Syntax

```
RECODE diabetes (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO diabete2r.
IF (sex=2 & dioth=2) diabete2r=2.
```

```

IF (ANY(-9,diabetes,dipreg)) diabete2r=-9.
IF (ANY(-8,diabetes,dipreg)) diabete2r=-8.
IF everdi<0 diabete2r=everdi.
if age<=15 diabete2r=-1.
VARIABLE LABELS diabete2r "(D) Doctor diagnosed diabetes (excluding pregnant) {revised}".
VALUE LABELS diabete2r
  1 "Yes"
  2 "No".

```

### DIABTYPE: (D) Type of diabetes

- 1 'Diagnosed aged 35+ and/or not treated with insulin'
- 2 'Not diabetic'
- 3 'Diagnosed before the age of 35 and treated with insulin'

#### SPSS Syntax

```

RECODE diabete2 (ELSE=Copy) INTO diabtype.
DO IF (diage<35 and insulin=1).
RECODE diabtype (1=3).
END IF.
VARIABLE LABELS diabtype '(D) Type of diabetes'.
VALUE LABELS diabtype
  1 'Diagnosed aged 35+ and/or not treated with insulin'
  2 'Not diabetic'
  3 'Diagnosed before the age of 35 and treated with insulin'.

```

### DIABTYPER: (D) Type of diabetes {revised}

- 1 'Diagnosed aged 35+ and/or not treated with insulin'
- 2 'Not diabetic'
- 3 'Diagnosed before the age of 35 and treated with insulin'

#### SPSS Syntax

```

RECODE diabete2r (ELSE=Copy) INTO diabtyper.
DO IF (diage<35 and insulin=1).
RECODE diabtyper (1=3) .
END IF.
VARIABLE LABELS diabtyper '(D) Type of diabetes {revised}'.
VALUE LABELS diabtyper
  1 'Diagnosed aged 35+ and/or not treated with insulin'
  2 'Not diabetic'
  3 'Diagnosed before the age of 35 and treated with insulin'.

```

### DIABETE3: (D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)

- 1 "No diabetes"
- 2 "Doctor diagnosed diabetes"
- 3 "Undiagnosed diabetes HbA1c>=6.5".

#### SPSS Syntax

```

recode glyhbval (6.5 thru hi = 3) (0 thru 6.4 = 1) (else = copy) into diabete3.
if glyhbval>0 and diabete2 = 1 diabete3 = 2.
if diabete2<0 diabete3 = diabete2.
add value labels diabete3
  1 "No diabetes"
  2 "Doctor diagnosed diabetes"
  3 "Undiagnosed diabetes HbA1c>=6.5".
var label diabete3 "(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)".

```

### DIABETE3R: (D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}

- 1 "No diabetes"
- 2 "Doctor diagnosed diabetes"
- 3 "Undiagnosed diabetes HbA1c>=6.5"

#### SPSS Syntax

```

recode glyhbval (6.5 thru hi = 3) (0 thru 6.4 = 1) (else = copy) into diabete3r.
if glyhbval>0 and diabete2r = 1 diabete3r = 2.
if diabete2r<0 diabete3r = diabete2r.
add value labels diabete3r
  1 "No diabetes"
  2 "Doctor diagnosed diabetes"

```

```
3 "Undiagnosed diabetes HbA1c>=6.5".
var label diabete3r "(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only
diabetes) {revised}".
```

DIABTOT: (D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)

- 1 "No diabetes"
- 2 "Doctor diagnosed diabetes and or HbA1c >=6.5"

#### SPSS Syntax

```
recode diabete3 (3=2) (else = copy) into diabtoto.
add value labels diabtoto
  1 "No diabetes"
  2 "Doctor diagnosed diabetes and or HbA1c >=6.5".
var label diabtoto "(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only
diabetes) {revised}".
```

DIABTOTR: (D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}

- 1 "No diabetes"
- 2 "Doctor diagnosed diabetes and or HbA1c >=6.5"

#### SPSS Syntax

```
recode diabete3r (3=2) (else = copy) into diabtotr.
add value labels diabtotr
  1 "No diabetes"
  2 "Doctor diagnosed diabetes and or HbA1c >=6.5".
var label diabtotr "(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only
diabetes) {revised}".
freq diabtoto diabtotr.
```

## High Blood Pressure

BP1: (D) Doctor diagnosed high blood pressure (excluding pregnant)

- 1 "Yes"
- 2 "No"

#### SPSS Syntax

```
RECODE docbp (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO bp1.
IF (sex=2 & othbp=2) bp1=2.
IF (ANY(-9,docbp,pregbp,othbp)) bp1=-9.
IF (ANY(-8,docbp,pregbp,othbp)) bp1=-8.
VARIABLE LABEL bp1 "(D) Doctor diagnosed high blood pressure (excluding pregnant)".
VALUE LABELS bp1
  1 "Yes"
  2 "No".
```

## Long Lasting Illness

LIMLAST: (D) Limiting longstanding illness

- 1 'Limiting longstanding illness'
- 2 'Non limiting longstanding illness'
- 3 'No longstanding illness'

#### SPSS Syntax

```
RECODE ill12m (1=2) (2=3) (ELSE=COPY) INTO limlast.
IF range(ReducAct,1,2) limlast=1.
IF ReducAct=3 limlast=2.
IF ReducAct=-8 limlast=-8.
VARIABLE LABEL limlast '(D) Limiting longstanding illness'.
```

```

VALUE LABELS limlast
  1 'Limiting longlasting illness'
  2 'Non limiting longlasting illness'
  3 'No longlasting illness'.

```

## LIMLAST2: (D) Limiting longstanding illness- SB version

- 1 'Limiting longlasting illness'
- 2 'Non limiting longlasting illness'
- 3 'No longlasting illness'

```

RECODE il112m (1=2) (2=3) (ELSE=COPY) INTO limlast2.
IF range(ReducAct,1,2) limlast2=1.
IF ReducAct=3 limlast2=2.
IF ReducAct=-8 limlast2=3.
VARIABLE LABELS limlast2 '(D) Limiting longlasting illness_SB version'.
VALUE LABELS limlast2
  1 'Limiting longlasting illness'
  2 'Non limiting longlasting illness'
  3 'No longlasting illness'.

```

## COMPLST1: (D) II Neoplasms & benign growths

## COMPLST2: (D) III Endocrine & metabolic

## COMPLST3: (D) V Mental disorders

## COMPLST4: (D) VI Nervous System

## COMPLST5: (D) VI Eye complaints

## COMPLST6: (D) VI Ear complaints

## COMPLST7: (D) VII Heart & circulatory system

## COMPLST8: (D) VIII Respiratory system

## COMPLST9: (D) IX Digestive system

## COMPLST10: (D) X Genito-urinary system

## COMPLST11: (D) XII Skin complaints

## COMPLST12: (D) XIII Musculoskeletal system

## COMPLST13: (D) I Infectious Disease

## COMPLST14: (D) IV Blood & related organs

## COMPLST15: (D) Other complaints

## COMPLST17: (D) No long-standing illness

## COMPLST18: (D) No longer present

## COMPLST99: (D) Unclass/NLP/inadeq.describe

- 0 No condition present
- 1 Has condition

*All variables in the COMPLST series have the same value labels*

### SPSS Syntax

```

DO REPEAT xcompl=complst1 complst2 complst3 complst4 complst5 complst6 complst7 complst8
  complst9 complst10 complst11 complst12 complst13 complst14 complst15 complst17 complst18.
COMPUTE xcompl=0.
IF il112m<0 xcompl=-9.
END REPEAT.
DO REPEAT xill12=il112M1 il112M2 il112M3 il112M4 il112M5 il112M6.
IF xill12=1 complst1=1.
IF (RANGE(xill12,2,3)) complst2=1.
IF (RANGE(xill12,4,5)) complst3=1.
IF (RANGE(xill12,6,8)) complst4=1.
IF (RANGE(xill12,9,10)) complst5=1.
IF (RANGE(xill12,11,14)) complst6=1.
IF (RANGE(xill12,15,21)) complst7=1.
IF (RANGE(xill12,22,25)) complst8=1.
IF (RANGE(xill12,26,29)) complst9=1.
IF (RANGE(xill12,30,33)) complst10=1.
IF xill12=39 complst11=1.
IF (RANGE(xill12,34,36)) complst12=1.
IF xill12=37 complst13=1.
IF xill12=38 complst14=1.
IF xill12=40 complst15=1.
IF (il112m=1 & xill12=42) complst18 = 1 .
END REPEAT.
IF (il112m = 2) complst17 = 1.
COMPUTE complst99 = 0 .

```

```

IF (I1112m = 1 & ANY(I1112m1,41,42,-1,-8,-9)) complst99 = 1 .
IF (I1112m<0) complst99 = -9.
VARIABLE LABELS complst1 '(D) II Neoplasms & benign growths'
/complst2 '(D) III Endocrine & metabolic'
/complst3 '(D) V Mental disorders'
/complst4 '(D) VI Nervous system'
/complst5 '(D) VI Eye complaints'
/complst6 '(D) VI Ear complaints'
/complst7 '(D) VII Heart & circulatory system'
/complst8 '(D) VIII Respiratory system'
/complst9 '(D) IX Digestive system'
/complst10 '(D) X Genito-urinary system'
/complst11 '(D) XII Skin complaints'
/complst12 '(D) XIII Musculoskeletal system'
/complst13 '(D) I Infectious disease'
/complst14 '(D) IV Blood & related organs'
/complst15 '(D) Other complaints'
/complst17 "(D) No longlasting illness"
/complst18 "(D) No longer present"
/complst99 "(D) Unclass/NLP/inadeq.describe" .
VALUE LABELS complst1 TO complst99
  0 'No condition present'
  1 'Has condition'.
RECODE complst1 TO complst15

```

### CONCLCNT: (D) Number of grouped condition categories

0 No LS illness

#### SPSS Syntax

```

IF I1112m=2 condlcnt=0 .
DO IF I1112m=1.
COUNT condlcnt=complst1 TO complst15 (1) .
END IF.
IF (I1112m = 1 & (I1112M1 = 41 | I1112M1<0)) condlcnt = 1 .
IF I1112m<0 condlcnt=-9 .
VARIABLE LABEL condlcnt "(D) Number of grouped condition categories" .
VALUE LABELS condlcnt
  0 'No longlasting illness'.

```

### CONCLCNT2: (D) Number of grouped conditions - 4 plus

0 No LS illness

4 4 or more

#### SPSS Syntax

```

RECODE condlcnt (4 thru hi=4)(ELSE=COPY) INTO condlcnt2.
VARIABLE LABEL condlcnt2 "(D) Number of grouped conditions - 4 plus" .
VALUE LABELS condlcnt2
  0 'No longlasting illness'
  4 '4 or more'.

```

### ILLMORE1: (D) Number of longstanding illnesses grouped

0 No longstanding illnesses

1 One longstanding illness

2 Two or more longstanding illnesses

#### SPSS Syntax

```

Numeric illmore1 (F2.0).
compute illmore1=-999.
if condlcnt=0 illmore1=0.
if condlcnt=1 illmore1=1.
if condlcnt=2 illmore1=2.
if condlcnt=3 illmore1=2.
if condlcnt=4 illmore1=2.
if condlcnt=5 illmore1=2.
if condlcnt=6 illmore1=2.
if condlcnt<0 illmore1=condlcnt.
variable labels illmore1 "(D) Number of longstanding illnesses grouped".
value labels illmore1
  0 "No longstanding illnesses"
  1 "One longstanding illness"
  2 "Two or more longstanding illnesses".

```



## Prescribed Medicines: Drugs affecting blood analytes

DIUR2: (D) Diuretics (Blood pressure)  
BETA2: (D) Beta blockers (Blood pressure/Fibrinogen)  
ACEINH2: (D) Ace inhibitors (Blood pressure) {revised}  
CALCIUMB2: (D) Calcium blockers (Blood pressure) {revised}  
OBPDRUG2: (D) Other drugs affecting BP {revised}  
LIPID2: (D) Lipid lowering (Cholesterol/Fibrinogen) – prescribed {revised}  
IRON2: (D) Iron deficiency (Haemoglobin/Ferritin) {revised}  
BPMEDC2: (D) Whether taking drugs affecting blood pressure {revised}  
BPMEDD2: (D) Whether taking drugs prescribed for blood pressure {revised}  
ANTIPLAM2: (D) Antiplatelets prescribed (binary)  
ANALGM2: (D) Analgesics prescribed (binary)  
PROTONM2: (D) Proton pump inhibitors prescribed (binary)  
ANTIDEP2: (D) Antidepressants prescribed (binary)  
COPDM2: (D) Asthma or COPD prescribed (binary)  
ANTIDIAB2: (D) Antidiabetic prescribed (binary)  
ANTIBAC2: (D) Antibacterial medications prescribed (binary)  
0 Not taking drug  
1 Taking drug

*All derived variables in the Drugs subsection have the same value labels.*

### SPSS Syntax

```
NUMERIC diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmcdc2 bpmedd2 AntiPlam2 Analgm2 ProtonM2  
AntidepM2 COPDM2 AntidiabM2 AntibacM2 (F3.0).  
DO REPEAT xxdrug2=diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmcdc2 bpmedd2 antiplam2 analgm2  
protonM2 antidepM2 COPDM2 antidiabM2 antibacM2.  
COMPUTE xxdrug2=0.  
RECODE medcnjd(-9 thru -1=COPY) INTO xxdrug2.  
END REPEAT.  
DO REPEAT xxcode2=medbi01 medbi02 medbi03 medbi04 medbi05 medbi06 medbi07 medbi08 medbi09 medbi10  
medbi11 medbi12 medbi13 medbi14 medbi15 medbi16 medbi17 medbi18 medbi19 medbi20 medbi21 medbi22.  
IF xxcode2=0 diur2=-9.  
IF xxcode2=0 beta2=-9.  
IF xxcode2=0 aceinh2=-9.  
IF xxcode2=0 calciumb2=-9.  
IF xxcode2=0 iron2=-9.  
IF xxcode2=0 lipid2=-9.  
IF xxcode2=0 obpdrug2=-9.  
IF xxcode2=0 bpmcdc2=-9.  
IF xxcode2=0 bpmedd2=-9.  
IF xxcode2=0 antiplam2=-9.  
IF xxcode2=0 analgm2=-9.  
IF xxcode2=0 protonM2=-9.  
IF xxcode2=0 antidepM2=-9.  
IF xxcode2=0 COPDM2=-9.  
IF xxcode2=0 antidiabM2=-9.  
IF xxcode2=0 antibacM2=-9.  
END REPEAT.  
DO REPEAT xxcode2=medbi01 medbi02 medbi03 medbi04 medbi05 medbi06 medbi07 medbi08 medbi09 medbi10  
medbi11 medbi12 medbi13 medbi14 medbi15 medbi16 medbi17 medbi18 medbi19 medbi20 medbi21 medbi22.  
IF RANGE(xxcode2,20201,20208) diur2=1.  
IF xxcode2=20400 beta2=1.  
IF RANGE(xxcode2, 020551, 020553) aceinh2=1.  
IF xxcode2=20602 calciumb2=1.  
IF ANY(xxcode2,20501,20502,20503,20504) obpdrug2=1.  
IF ANY(xxcode2,21200, 21201, 21202) lipid2=1.  
IF xxcode2=90101 iron2=1.  
IF xxcode2=20900 antiplam2=1.  
IF ANY(xxcode2, 100101,40701,40702,40703,40704,100302) analgm2=1.  
IF xxcode2=10305 protonM2=1.  
IF ANY(xxcode2, 40301,40302,40303,40304) antidepM2=1.  
IF ANY(xxcode2, 30101,30102,30103,30104,30200,30301,30302,30303,30600) COPDM2=1.  
IF ANY(xxcode2, 60101,60102,60121,60122,60123) antidiabM2=1.  
IF ANY(xxcode2, 50101,50102,50103,50104,50105,50106,50107,50108,50109,50110,50111,50112,50113)  
antibacM2=1.  
END REPEAT.  
IF ANY(1,diur2,beta2,aceinh2,calciumb2,obpdrug2) bpmcdc2=1.
```

```

COUNT xbpdrug2=ytake012 ytake022 ytake032 ytake042 ytake052 ytake062 ytake072 ytake082
ytake092 ytake102 ytake112 ytake122 ytake132 ytake142 ytake152 ytake162 ytake172
ytake182 ytake192 ytake202 ytake212 ytake222 (1).
IF ANY(1,diur2,beta2,aceinh2,calciumb2,obpdrug2) & xbpdrug2>0 bpmedd2=1.
EXECUTE.
VARIABLE LABELS diur2 "(D) Diuretics prescribed (Blood pressure) {revised}".
VARIABLE LABELS beta2 "(D) Beta blockers prescribed (Blood pressure/Fibrinogen) {revised}".
VARIABLE LABELS aceinh2 "(D) Ace inhibitors prescribed (Blood pressure) {revised}".
VARIABLE LABELS calciumb2 "(D) Calcium blockers prescribed (Blood pressure) {revised}".
VARIABLE LABELS obpdrug2 "(D) Other prescribed drugs affecting BP {revised}".
VARIABLE LABELS lipid2 "(D) Lipid lowering (Cholesterol/Fibrinogen) prescribed {revised}".
VARIABLE LABELS iron2 "(D) Iron deficiency (Haemoglobin/Ferritin) prescribed {revised}".
VARIABLE LABELS bpmedc2 "(D) Whether taking drugs affecting blood pressure {revised}".
VARIABLE LABELS bpmedd2 "(D) Whether taking drugs prescribed for blood pressure {revised}".
VARIABLE LABELS AntiPlaM2 "(D) Antiplatelets prescribed (binary)".
VARIABLE LABELS AnalgM2 "(D) Analgesics prescribed (binary)".
VARIABLE LABELS ProtonM2 "(D) Proton pump inhibitors prescribed (binary)".
VARIABLE LABELS AntiDepM2 "(D) Antidepressants prescribed (binary)".
VARIABLE LABELS COPDM2 "(D) Asthma or COPD prescribed (binary)".
VARIABLE LABELS AntiDiabM2 "(D) Antidiabetic prescribed (binary)".
VARIABLE LABELS AntiBacM2 "(D) Antibacterial medications prescribed (binary)".
VALUE LABELS diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmedc2 bpmedd2 AntiPlaM2 AnalgM2
ProtonM2 AntiDepM2 COPDM2 AntiDiabM2 AntiBacM2
0 'Not taking drug'
1 'Taking drug'..

```

## Prescribed Medicines: General

MEDCNJ: (D) Whether taking medication - excluding contraceptives only

- 1 Yes
- 2 No
- 3 Yes, but unable to code as name of drug(s) not available

### SPSS Syntax

```

COMPUTE medcnj = medcnjd .
IF (sex = 2 & medcnjd = 1 & RANGE(medbi01,70301,70302)
& medbi02<0 & medbi03<0 & medbi04<0 & medbi05<0 & medbi06<0 & medbi07<0 &
medbi08<0 & medbi09<0 & medbi10<0 & medbi11<0 & medbi12<0 & medbi13<0 &
medbi14<0 & medbi15<0 & medbi16<0 & medbi17<0 & medbi18<0 & medbi19<0 &
medbi20<0 & medbi21<0 & medbi22<0 ) medcnj = 2 .
VARIABLE LABELS medcnj "(D) Whether taking medication - excluding contraceptives only" .
VALUE LABELS medcnj
1 'Yes'
2 'No'
3 'Yes, but unable to code as name of drug(s) not available'.

```

MEDTYP1: (D) Cardio-vascular medicine taken?

MEDTYP2: (D) Gastrointestinal medicine taken?

MEDTYP3: (D) Respiratory medicine taken?

MEDTYP4: (D) CNS medicine taken?

MEDTYP5: (D) Medicine for infection taken?

MEDTYP6: (D) Endocrine medicine taken?

MEDTYP7: (D) Gynae/Urinary medicine taken?

MEDTYP8: (D) Cytotoxic medicine taken?

MEDTYP9: (D) Medicine for nutrition/blood taken?

MEDTYP10: (D) Musculoskeletal medicine taken?

MEDTYP11: (D) Eye/Ear etc medicine taken?

MEDTYP12: (D) Medicine for skin taken?

MEDTYP13: (D) Other medicine taken?

MEDTYP14: (D) Contraceptives taken?

- 0 No
- 1 Yes

*All variables in the MEDTYP series have the same value labels.*

### SPSS Syntax

```

DO REPEAT xtyp = medtyp1 TO medtyp14.
COMPUTE xtyp=0.
RECODE medcnj (2=0)(-9 thru -1=COPY) INTO xtyp.
END REPEAT.
DO REPEAT xmed= medbi01 medbi02 medbi03 medbi04 medbi05 medbi06 medbi07 medbi08 medbi09 medbi10

```

```

medbi11 medbi12 medbi13 medbi14 medbi15 medbi16 medbi17 medbi18 medbi19 medbi20 medbi21 medbi22.
IF (RANGE(xmed,20101,21300)) medtyp1 = 1.
IF (RANGE(xmed,10101,10904)) medtyp2 = 1.
IF (RANGE(xmed,30101,31000)) medtyp3 = 1.
IF (RANGE(xmed,40101,41100)) medtyp4 = 1.
IF (RANGE(xmed,50101,50508)) medtyp5 = 1.
IF (RANGE(xmed,60101,60703)) medtyp6 = 1.
IF (RANGE(xmed,70201,70202,70401,70500)) medtyp7 = 1.
IF (RANGE(xmed,70300,70305)) medtyp14 = 1.
IF (RANGE(xmed,80101,80304)) medtyp8 = 1.
IF (RANGE(xmed,90101,90802)) medtyp9 = 1.
IF (RANGE(xmed,100101,100302)) medtyp10 = 1.
IF (RANGE(xmed,110101,110802,120101,120305)) medtyp11 = 1.
IF (RANGE(xmed,130100,131400)) medtyp12 = 1.
IF (RANGE(xmed,140100,140503)) medtyp13 = 1.
END REPEAT.
VARIABLE LABELS
medtyp1 '(D) Cardio-vascular medicine taken?'
medtyp2 '(D) Gastrointestinal medicine taken?'
medtyp3 '(D) Respiratory medicine taken?'
medtyp4 '(D) CNS medicine taken?'
medtyp5 '(D) Medicine for infection taken?'
medtyp6 '(D) Endocrine medicine taken?'
medtyp7 '(D) Gynae/Urinary medicine taken?'
medtyp8 '(D) Cytotoxic or immunosuppressive medicine taken?'
medtyp9 '(D) Medicine for nutrition/blood taken?'
medtyp10 '(D) Musculoskeletal medicine taken?'
medtyp11 '(D) Eye/Ear etc medicine taken?'
medtyp12 '(D) Medicine for skin taken?'
medtyp13 '(D) Vaccines and antisera taken?'
medtyp14 '(D) Contraception taken?' .
VALUE LABELS medtyp1 TO medtyp14
0 'No'
1 'Yes'.

```

## NUMED2: (D) Number of prescribed medicines taken {Revised}

0 Doesn't take prescribed meds

## NUMED: (D) Number of prescribed medicines taken (grouped 4+) {Revised}

0 Doesn't take prescribed meds

4 Four or more

### SPSS Syntax

```

COMPUTE numed2 = -1 .
RECODE medcnj (-6 thru -2=COPY)(2=0) INTO numed2.
DO IF (medcnj = 1) .
COUNT numed2 = medbi01 medbi02 medbi03 medbi04 medbi05 medbi06 medbi07 medbi08 medbi09 medbi10
medbi11 medbi12 medbi13 medbi14 medbi15 medbi16 medbi17 medbi18 medbi19 medbi20 medbi21 medbi22 (-9 10101
THRU HI) .
END IF .
RECODE numed2 (4 thru hi=4)(ELSE=COPY) INTO numed.
VARIABLE LABEL numed2 '(D) Number of prescribed medicines taken' .
VARIABLE LABEL numed '(D) Number of prescribed medicines taken (grouped 4+)' .
VALUE LABELS numed2 0 "Doesn't take prescribed meds".
VALUE LABELS numed 0 "Doesn't take prescribed meds"
4 'Four or more'.

```

## MEDSNM: (D) Number of prescribed medications reported - incl contraceptives & nicotine dependency drugs

0 None taken

### SPSS Syntax

```

NUMERIC MedsNum (F3.0).
COMPUTE MedsNum=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22.
if range(A, 10101,999999) MedsNum=MedsNum+1.
end repeat.
RECODE MedsNum (0=-99).
IF Medcnjd=-1 MedsNum=-1.
IF Medcnjd=2 MedsNum=0.
IF Medcnjd=3 MedsNum=-8.
IF RANGE(age,0,15) MedsNum=-1.

```

```
VARIABLE LABELS MedsNum "(D) Number of prescribed medications reported - incl contraceptives & nicotine
dependency drugs".
VALUE LABELS MedsNum
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".
```

**MEDSNUMG8: (D) Grouped number of prescribed medications reported- incl contraceptives & nicotine dependency drugs**

0	None taken
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8 or more medications perscribed

#### SPSS Syntax

```
NUMERIC MedsNumG8 (F3.0).
Recode MedsNum (8 thru hi=8) (ELSE=COPY) INTO MedsNumG8.
EXECUTE.
VARIABLE LABELS MedsNumG8 "(D) Grouped number of prescribed medications reported- incl contraceptives &
nicotine dependency drugs".
VALUE LABELS MedsNumG8
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None prescribed"
1 "1"
2 "2"
3 "3"
4 "4"
5 "5"
6 "6"
7 "7"
8 "8 or more medications prescribed".
```

**MEDSNUM2: (D) Number of prescribed medications reported, excl contraceptives & nicotine dependence**

0	None taken
---	------------

#### SPSS Syntax

```
NUMERIC MedsNum2 XMedsNum2 (F3.0).
COMPUTE MedsNum2=0.
COMPUTE XMedsNum2=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22.
if (RANGE(A, 10101, 41001) | RANGE(A, 41003, 70300) | RANGE(A, 70306, 999999)) MedsNum2=MedsNum2+1.
if (A=41002 | RANGE(A, 70301, 70305)) XMedsNum2=XMedsNum2+1.
end repeat.
RECODE MedsNum2 (0=-99).
IF Medcnjd=-1 MedsNum2=-1.
IF Medcnjd=2 MedsNum2=0.
IF Medcnjd=3 MedsNum2=-8.
IF RANGE(age,0,15) MedsNum2=-1.
IF MedsNum2=-99 & XMedsNum2>0 MedsNum2=0.
VARIABLE LABELS MedsNum2 "(D) Number of prescribed medications reported, excl contraceptives & nicotine
dependence".
VALUE LABELS MedsNum2
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".
```

**MEDSNUM2G8: (D) Grouped number of prescribed medications reported (8 groups) - excl contraceptives & nicotine dependency drugs**

0	None taken
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8 or more medications perscribed

#### SPSS Syntax

```
NUMERIC MedsNum2G8 (F3.0).
Recode MedsNum2 (8 thru hi=8) (ELSE=COPY) INTO MedsNum2G8.
EXECUTE.
VARIABLE LABELS MedsNum2G8 "(D) Grouped number of prescribed medications reported (8 groups) - excl
contraceptives & nicotine dependency drugs ".
VALUE LABELS MedsNum2G8
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None prescribed"
1 "1"
2 "2"
3 "3"
4 "4"
5 "5"
6 "6"
7 "7"
8 "8 or more medications prescribed".
```

**MEDSTAK: (D) Number of prescribed meds taken in the last seven days, incl contraceptives & nicotine dependency drugs**

0 None taken

#### SPSS Syntax

```
NUMERIC MedsTak (F4.0).
COMPUTE MedsTak=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
/B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
if range(A, 10101,999999) & Medcnjd=1 & B=1 MedsTak=MedsTak+1.
end repeat.
RECODE MedsTak (0=-99).
IF Medcnjd=-1 MedsTak=-1.
IF Medcnjd=2 MedsTak=0.
IF Medcnjd=3 MedsTak=-8.
IF RANGE(age,0,15) MedsTak=-1.
IF MedsTak=-99 & Medcnjd=1 MedsTak=0.
VARIABLE LABELS MedsTak "(D) Number of prescribed meds taken in the last seven days, incl contraceptives &
nicotine dependency drugs".
VALUE LABELS MedsTak
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".
```

**MEDSTAKG8: (D) Grouped number of prescribed medications taken (8 groups)- incl contraceptives & nicotine dependency drugs**

0 None taken  
1 1 medications taken  
2 2 medications taken  
3 3 medications taken  
4 4 medications taken  
5 5 medications taken  
6 6 medications taken  
7 7 medications taken  
8 8 or more medications taken

#### SPSS Syntax

```
NUMERIC MedsTakG8 (F3.0).
Recode MedsTak (8 thru hi=8) (ELSE=COPY) INTO MedsTakG8.
EXECUTE.
VARIABLE LABELS MedsTakG8 "(D) Grouped number of prescribed medications taken (8 groups)- incl
contraceptives & nicotine dependency drugs".
VALUE LABELS MedsTakG8
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken"
1 "1 medication taken"
2 "2 medications taken"
3 "3 medications taken"
4 "4 medications taken"
5 "5 medications taken"
```

```

6 "6 medications taken"
7 "7 medications taken"
8 "8 or more medications taken".

```

## MEDSTAK2: (D) Number of prescribed medications taken in the last seven days, - excl contraceptives & nicotine dependency

0 None taken

### SPSS Syntax

```

NUMERIC MedsTak2 XMedsTak2 MedsNTak2(F4.0).
COMPUTE MedsTak2=0.
COMPUTE XMedsTak2=0.
COMPUTE MedsNTak2=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
  MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
  /B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
  MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
  if (RANGE(A, 10101, 41001) | RANGE(A, 41003, 70300) | RANGE(A, 70306, 999999)) & Medcnjd=1 & B=1
    MedsTak2=MedsTak2+1.
  if (RANGE(A, 10101, 41001) | RANGE(A, 41003, 70300) | RANGE(A, 70306, 999999)) & Medcnjd=1 & B=2
    MedsNTak2=MedsNTak2+1.
  if (A=41002 | RANGE(A, 70301, 70305)) XMedsTak2=XMedsTak2+1.
end repeat.
RECODE MedsTak2 (0=-99).
IF Medcnjd=-1 MedsTak2=-1.
IF Medcnjd=2 MedsTak2=0.
IF Medcnjd=3 MedsTak2=-8.
IF RANGE(age,0,15) MedsTak2=-1.
IF MedsTak2=-99 & Medcnjd=1 & (XMedsTak2>0 | MedsNTak2>0) MedsTak2=0.
VARIABLE LABELS MedsTak2 "(D) Number of prescribed medications taken in the last seven days, - excl
contraceptives & nicotine dependency".
VALUE LABELS MedsTak2
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".

```

## MEDSTAK2G8: (D) Number of prescribed medications taken in last 7 days (8 groups), excl contraceptives & nicotine dependency

0 None taken/only contraceptives or Nicotine dependency meds taken  
1 1 medication taken  
2 2 medications taken  
3 3 medications taken  
4 4 medications taken  
5 5 medications taken  
6 6 medications taken  
7 7 medications taken  
8 8 or more medications taken.

### SPSS Syntax

```

NUMERIC MedsTak2g8 (F3.0).
RECODE MedsTak2 (0 THRU 8=COPY) (9 THRU HI=8)(ELSE=COPY) INTO MedsTak2g8.
VARIABLE LABELS MedsTak2g8 "(D) Number of prescribed medications taken in last 7 days (8 groups), excl
contraceptives & nicotine dependency".
VALUE LABELS MedsTak2g8
-8 "Don't know"
-1 "Not applicable"
0 "None taken/only contraceptives or Nicotine dependency meds taken"
1 "1 medication taken"
2 "2 medications taken"
3 "3 medications taken"
4 "4 medications taken"
5 "5 medications taken"
6 "6 medications taken"
7 "7 medications taken"
8 "8 or more medications taken".

```

## CARDIOTAK: (D) Number of prescribed cardiovascular medications taken in the last seven days

0 None taken

### SPSS Syntax

```

NUMERIC CardioTak XCardioTak CardioNTak(F4.0).
COMPUTE CardioTak=0.
COMPUTE XCardioTak=0.
COMPUTE CardioNTak=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
  MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
  /B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
  MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
  if RANGE(A, 20100, 20699) & Medcnjd=1 & B=1 CardioTak=CardioTak+1.
  if RANGE(A, 20100, 20699) & Medcnjd=1 & B=2 CardioNTak=CardioNTak+1.
  if (RANGE(A, 10101, 20099) | RANGE(A, 20700, 999999)) & Medcnjd=1 XCardioTak=XCardioTak+1.
end repeat.
RECODE CardioTak (0=-99).
IF Medcnjd=-1 CardioTak=-1.
IF Medcnjd=2 CardioTak=0.
IF Medcnjd=3 CardioTak=-8.
IF RANGE(age,0,15) CardioTak=-1.
IF CardioTak=-99 & Medcnjd=1 & (XCardioTak>0 | CardioNTak>0) CardioTak=0.
VARIABLE LABELS CardioTak "(D) Number of prescribed cardiovascular medications taken in the last seven
days".
VALUE LABELS CardioTak
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".

```

## CARDIOTAKG2: (D) Any prescribed cardiovascular medications taken in last 7 days (binary)

0 No  
1 Yes,at least one.

### SPSS Syntax

```

NUMERIC CardioTakg2 (F3.0).
RECODE CardioTak (2 THRU HI=1)(ELSE=COPY) INTO CardioTakg2.
VARIABLE LABELS CardioTakg2 "(D) Any prescribed cardiovascular medications taken in last 7 days (binary)".
VALUE LABELS CardioTakg2
-8 "Don't know"
-1 "Not applicable"
0 "No"
1 "Yes,at least one".

```

## HYPERTAK: (D) Number of prescribed antihypertensives for hypertension taken in the last seven days

0 None taken

### SPSS Syntax

```

NUMERIC HyperTak HyperNTak XHyperTak NHyperTak(F4.0).
COMPUTE HyperTak=0.
COMPUTE NHyperTak=0.
COMPUTE HyperNTak=0.
COMPUTE XHyperTak=0.
DO REPEAT A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
  MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
  /B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
  MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22
  /C=ytake012 ytake022 ytake032 ytake042 ytake052 ytake062 ytake072 ytake082 ytake092 ytake102 ytake112
ytake122
  ytake132 ytake142 ytake152 ytake162 ytake172 ytake182 ytake192 ytake202 ytake212 ytake222.
  IF
ANY(A,20201,20202,20203,20204,20205,20206,20207,20208,20400,20551,20552,20553,20602,20501,20502,20503,2050
4) & Medcnjd=1 &
  B=1 & C=1 HyperTak=HyperTak+1.
  IF
ANY(A,20201,20202,20203,20204,20205,20206,20207,20208,20400,20551,20552,20553,20602,20501,20502,20503,2050
4) & Medcnjd=1 &
  B=2 & C=1 HyperNTak=HyperNTak+1.
  IF
ANY(A,20201,20202,20203,20204,20205,20206,20207,20208,20400,20551,20552,20553,20602,20501,20502,20503,2050
4) & Medcnjd=1 &
  B=1 & ANY(C,0,-8) NHyperTak=NHyperTak+1.
  IF (RANGE(A, 10101, 999999) & NOT
ANY(A,20201,20202,20203,20204,20205,20206,20207,20208,20400,20551,20552,20553,20602,20501,
20502,20503,20504)) & Medcnjd=1 XHyperTak=XHyperTak+1.
end repeat.
RECODE HyperTak (0=-99).
IF Medcnjd=-1 HyperTak=-1.

```

```

IF Medcnjd=2 HyperTak=0.
IF Medcnjd=3 HyperTak=-8.
IF RANGE(age,0,15) HyperTak=-1.
IF HyperTak=-99 & Medcnjd=1 & (XHyperTak>0 | HyperNTak>0 | NHyperTak>0) HyperTak=0.
EXECUTE.
VARIABLE LABELS HyperTak "(D) Number of prescribed antihypertensives for hypertension taken in the last seven days".
VALUE LABELS HyperTak
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".

```

**HYPERTAKG2: (D) Any prescribed antihypertensives taken in last 7 days, if has hypertension (binary)**

0 No  
1 Yes,at least one

#### SPSS Syntax

```

NUMERIC HyperTakg2 (F3.0).
RECODE HyperTak (2 THRU HI=1)(ELSE=COPY) INTO HyperTakg2.
VARIABLE LABELS HyperTakg2 "(D) Any prescribed antihypertensives taken in last 7 days, if has hypertension (binary)".
VALUE LABELS HyperTakg2
-8 "Don't know"
-1 "Not applicable"
0 "No"
1 "Yes,at least one".

```

**LIPIDTAK: (D) Number of prescribed lipid lowering medications taken in the last seven days**

0 None taken

#### SPSS Syntax

```

NUMERIC LipidTak XLipidTak LipidNTak(F4.0).
COMPUTE LipidTak=0.
COMPUTE XLipidTak=0.
COMPUTE LipidNTak=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11 MedBI12
MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
/B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12 MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
if ANY(A, 21200,21201,21202) & Medcnjd=1 & B=1 LipidTak=LipidTak+1.
if ANY(A, 21200,21201,21202) & Medcnjd=1 & B=2 LipidNTak=LipidNTak+1.
if (A<> 21200 & A<>21201 & A<>21202) & Medcnjd=1 XLipidTak=XLipidTak+1.
end repeat.
RECODE LipidTak (0=-99).
IF Medcnjd=-1 LipidTak=-1.
IF Medcnjd=2 LipidTak=0.
IF Medcnjd=3 LipidTak=-8.
IF RANGE(age,0,15) LipidTak=-1.
IF LipidTak=-99 & Medcnjd=1 & (XLipidTak>0 | LipidNTak>0) LipidTak=0.
VARIABLE LABELS LipidTak "(D) Number of prescribed lipid lowering medications taken in the last seven days".
VALUE LABELS LipidTak
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".

```

**LIPIDTAK2: (D) Any prescribed lipid-lowering medications taken in last 7 days, (binary)**

0 No  
1 Yes,at least one

#### SPSS Syntax

```

NUMERIC LipidTakg2 (F3.0).
RECODE LipidTak (2 THRU HI=1)(ELSE=COPY) INTO LipidTakg2.
VARIABLE LABELS LipidTakg2 "(D) Any prescribed lipid-lowering medications taken in last 7 days, (binary)".
VALUE LABELS LipidTakg2
-8 "Don't know"
-1 "Not applicable"
0 "No"
1 "Yes,at least one".

```



## ANTIPLATAK: (D) Number of prescribed antiplatelets taken in the last seven days

0 None taken

### SPSS Syntax

```
NUMERIC AntiPlaTak XAntiPlaTak AntiPlaNTak(F4.0).
COMPUTE AntiPlaTak=0.
COMPUTE XAntiPlaTak=0.
COMPUTE AntiPlaNTak=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
  MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
  /B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
  MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
  if A=20900 & Medcnjd=1 & B=1 AntiPlaTak=AntiPlaTak+1.
  if A=20900 & Medcnjd=1 & B=2 AntiPlaNTak=AntiPlaNTak+1.
  if RANGE(A, 10101, 999999) & A<>20900 & Medcnjd=1 XAntiPlaTak=XAntiPlaTak+1.
end repeat.
RECODE AntiPlaTak (0=-99).
IF Medcnjd=-1 AntiPlaTak=-1.
IF Medcnjd=2 AntiPlaTak=0.
IF Medcnjd=3 AntiPlaTak=-8.
IF RANGE(age,0,15) AntiPlaTak=-1.
IF AntiPlaTak=-99 & Medcnjd=1 & (XAntiPlaTak>0 | AntiPlaNTak>0) AntiPlaTak=0.
VARIABLE LABELS AntiPlaTak "(D) Number of prescribed antiplatelets taken in the last seven days".
VALUE LABELS AntiPlaTak
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".
```

## ANTIPLATAKG2: (D) Any prescribed antiplatelets taken in last 7 days, (binary)

0 No

1 Yes,at least one

### SPSS Syntax

```
NUMERIC AntiPlaTakg2 (F3.0).
RECODE AntiPlaTak (2 THRU HI=1)(ELSE=COPY) INTO AntiPlaTakg2.
VARIABLE LABELS AntiPlaTakg2 "(D) Any prescribed antiplatelets taken in last 7 days, (binary)".
VALUE LABELS AntiPlaTakg2
-8 "Don't know"
-1 "Not applicable"
0 "No"
1 "Yes,at least one".
```

## ANALGTAK: (D) Number of prescribed analgesics taken in the last seven days

0 None taken

### SPSS Syntax

```
NUMERIC AnalgTak XAnalgTak AnalgNTak(F4.0).
COMPUTE AnalgTak=0.
COMPUTE XAnalgTak=0.
COMPUTE AnalgNTak=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
  MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
  /B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
  MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
  if ANY(A, 100101,40701,40702,40703,40704,100302) & Medcnjd=1 & B=1 AnalgTak=AnalgTak+1.
  if ANY(A, 100101,40701,40702,40703,40704,100302) & Medcnjd=1 & B=2 AnalgNTak=AnalgNTak+1.
  if (RANGE(A, 10101, 999999) & NOT ANY(A,100101,40701,40702,40703,40704,100302)) & Medcnjd=1
  XAnalgTak=XAnalgTak+1.
end repeat.
RECODE AnalgTak (0=-99).
IF Medcnjd=-1 AnalgTak=-1.
IF Medcnjd=2 AnalgTak=0.
IF Medcnjd=3 AnalgTak=-8.
IF RANGE(age,0,15) AnalgTak=-1.
IF AnalgTak=-99 & Medcnjd=1 & (XAnalgTak>0 | AnalgNTak>0) AnalgTak=0.
VARIABLE LABELS AnalgTak "(D) Number of prescribed analgesics taken in the last seven days".
VALUE LABELS AnalgTak
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".
```

## ANALGTAK2: (D) Any prescribed analgesics taken in last 7 days (binary)

0 No  
1 Yes,at least one

### SPSS Syntax

```
NUMERIC AnalgTakg2 (F3.0).  
RECODE AnalgTak (2 THRU HI=1)(ELSE=COPY) INTO AnalgTakg2.  
VARIABLE LABELS AnalgTakg2 "(D) Any prescribed analgesics taken in last 7 days (binary)".  
VALUE LABELS AnalgTakg2  
-8 "Don't know"  
-1 "Not applicable"  
0 "No"  
1 "Yes,at least one".
```

## PROTONTAK: (D) Number of prescribed proton pump inhibitors taken in the last seven days

0 None taken

### SPSS Syntax

```
NUMERIC ProtonTak XProtonTak ProtonNTak(F4.0).  
COMPUTE ProtonTak=0.  
COMPUTE XProtonTak=0.  
COMPUTE ProtonNTak=0.  
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11  
MedBI12  
MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22  
/B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12  
MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.  
if A=10305 & Medcnjd=1 & B=1 ProtonTak=ProtonTak+1.  
if A=10305 & Medcnjd=1 & B=2 ProtonNTak=ProtonNTak+1.  
if (RANGE(A, 10101, 999999) & A<>10305) & Medcnjd=1 XProtonTak=XProtonTak+1.  
end repeat.  
RECODE ProtonTak (0=-99).  
IF Medcnjd=-1 ProtonTak=-1.  
IF Medcnjd=2 ProtonTak=0.  
IF Medcnjd=3 ProtonTak=-8.  
IF RANGE(age,0,15) ProtonTak=-1.  
IF ProtonTak=-99 & Medcnjd=1 & (XProtonTak>0 | ProtonNTak>0) ProtonTak=0.  
VARIABLE LABELS ProtonTak "(D) Number of prescribed proton pump inhibitors taken in the last seven days".  
VALUE LABELS ProtonTak  
-1 "Not applicable"  
-8 "Don't know/Refused"  
0 "None taken".
```

## PROTONTAK2: (D) Any prescribed proton pump inhibitors taken in last 7 days (binary)

0 No  
1 Yes,at least one

### SPSS Syntax

```
NUMERIC ProtonTakg2 (F3.0).  
RECODE ProtonTak (2 THRU HI=1)(ELSE=COPY) INTO ProtonTakg2.  
VARIABLE LABELS ProtonTakg2 "(D) Any prescribed proton pump inhibitors taken in last 7 days (binary)".  
VALUE LABELS ProtonTakg2  
-8 "Don't know"  
-1 "Not applicable"  
0 "No"  
1 "Yes,at least one".
```

## ANTIDEPTAK: (D) Number of prescribed antidepressants taken in the last seven days

0 None taken

### SPSS Syntax

```
NUMERIC AntiDepTak XAntiDepTak AntiDepNTak(F4.0).  
COMPUTE AntiDepTak=0.  
COMPUTE XAntiDepTak=0.  
COMPUTE AntiDepNTak=0.  
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11  
MedBI12  
MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22  
/B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12  
MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.  
if ANY(A, 40301,40302,40303,40304) & Medcnjd=1 & B=1 AntiDepTak=AntiDepTak+1.  
if ANY(A, 40301,40302,40303,40304) & Medcnjd=1 & B=2 AntiDepNTak=AntiDepNTak+1.
```

```

    if (RANGE(A, 10101, 999999) & NOT ANY(A, 40301,40302,40303,40304)) & Medcnjd=1
XAntiDepTak=XAntiDepTak+1.
end repeat.
RECODE AntiDepTak (0=-99).
IF Medcnjd=-1 AntiDepTak=-1.
IF Medcnjd=2 AntiDepTak=0.
IF Medcnjd=3 AntiDepTak=-8.
IF RANGE(age,0,15) AntiDepTak=-1.
IF AntiDepTak=-99 & Medcnjd=1 & (XAntiDepTak>0 | AntiDepNTak>0) AntiDepTak=0.
VARIABLE LABELS AntiDepTak "(D) Number of prescribed antidepressants taken in the last seven days".
VALUE LABELS AntiDepTak
  -1 "Not applicable"
  -8 "Don't know/Refused"
  0 "None taken".

```

## ANTIDEPTAKG2: (D) Any antidepressants taken in last 7 days (binary)

0 No  
1 Yes,at least one

### SPSS Syntax

```

NUMERIC AntiDepTakg2 (F3.0).
RECODE AntiDepTak (2 THRU HI=1)(ELSE=COPY) INTO AntiDepTakg2.
VARIABLE LABELS AntiDepTakg2 "(D) Any antidepressants taken in last 7 days (binary)".
VALUE LABELS AntiDepTakg2
  -8 "Don't know"
  -1 "Not applicable"
  0 "No"
  1 "Yes,at least one".

```

## COPDTAK: (D) Number of prescribed asthma or COPD medications taken in the last seven days

0 None taken

### SPSS Syntax

```

NUMERIC COPDTak XCOPDTak COPDNTak(F4.0).
COMPUTE COPDTak=0.
COMPUTE XCOPDTak=0.
COMPUTE COPDNTak=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
  MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
  /B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
  if ANY(A, 30101,30102,30103,30104,30200,30301,30302,30303,30600) & Medcnjd=1 & B=1 COPDTak=COPDTak+1.
  if ANY(A, 30101,30102,30103,30104,30200,30301,30302,30303,30600) & Medcnjd=1 & B=2
COPDNTak=COPDNTak+1.
  if (RANGE(A, 10101, 999999) & NOT ANY(A, 30101,30102,30103,30104,30200,30301,30302,30303,30600) ) &
Medcnjd=1 XCOPDTak=XCOPDTak+1.
end repeat.
RECODE COPDTak (0=-99).
IF Medcnjd=-1 COPDTak=-1.
IF Medcnjd=2 COPDTak=0.
IF Medcnjd=3 COPDTak=-8.
IF RANGE(age,0,15) COPDTak=-1.
IF COPDTak=-99 & Medcnjd=1 & (XCOPDTak>0 | COPDNTak>0) COPDTak=0.
VARIABLE LABELS COPDTak "(D) Number of prescribed asthma or COPD medications taken in the last seven
days".
VALUE LABELS COPDTak
  -1 "Not applicable"
  -8 "Don't know/Refused"
  0 "None taken".

```

## COPDTAKG2: (D) Any prescribed asthma or COPD medications taken in last 7 days (binary)

0 No  
1 Yes,at least one

### SPSS Syntax

```

NUMERIC COPDTakg2 (F3.0).
RECODE COPDTak (2 THRU HI=1)(ELSE=COPY) INTO COPDTakg2.
VARIABLE LABELS COPDTakg2 "(D) Any prescribed asthma or COPD medications taken in last 7 days (binary)".
VALUE LABELS COPDTakg2

```

```
-8 "Don't know"
-1 "Not applicable"
 0 "No"
 1 "Yes,at least one".
```

**ANTIDIABTAK: (D) Number of prescribed antidiabetic medications taken in the last seven days**  
 0 None taken

#### SPSS Syntax

```
NUMERIC AntiDiabTak XAntiDiabTak AntiDiabNTak(F4.0).
COMPUTE AntiDiabTak=0.
COMPUTE XAntiDiabTak=0.
COMPUTE AntiDiabNTak=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
  MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
  /B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
  MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
  if ANY(A, 60101,60102,60121,60122,60123) & Medcnjd=1 & B=1 AntiDiabTak=AntiDiabTak+1.
  if ANY(A, 60101,60102,60121,60122,60123) & Medcnjd=1 & B=2 AntiDiabNTak=AntiDiabNTak+1.
  if (RANGE(A, 10101, 99999) & NOT ANY(A, 60101,60102,60121,60122,60123) ) & Medcnjd=1
XAntiDiabTak=XAntiDiabTak+1.
end repeat.
RECODE AntiDiabTak (0=-99).
IF Medcnjd=-1 AntiDiabTak=-1.
IF Medcnjd=2 AntiDiabTak=0.
IF Medcnjd=3 AntiDiabTak=-8.
IF RANGE(age,0,15) AntiDiabTak=-1.
IF AntiDiabTak=-99 & Medcnjd=1 & (XAntiDiabTak>0 | AntiDiabNTak>0) AntiDiabTak=0.
VARIABLE LABELS AntiDiabTak "(D) Number of prescribed antidiabetic medications taken in the last seven
days".
VALUE LABELS AntiDiabTak
-1 "Not applicable"
-8 "Don't know/Refused"
 0 "None taken".
```

**ANTIDIABTAG2: (D) Any prescribed antidiabetic medications taken in last 7 days (binary)**  
 0 No  
 1 Yes,at least one

#### SPSS Syntax

```
NUMERIC AntiDiabTakg2 (F3.0).
RECODE AntiDiabTak (2 THRU HI=1)(ELSE=COPY) INTO AntiDiabTakg2.
VARIABLE LABELS AntiDiabTakg2 "(D) Any prescribed antidiabetic medications taken in last 7 days (binary)".
VALUE LABELS AntiDiabTakg2
-8 "Don't know"
-1 "Not applicable"
 0 "No"
 1 "Yes,at least one".
```

**ANTIBACTAK: (D) Number of prescribed antibacterial medications taken in the last seven days**  
 0 None taken

#### SPSS Syntax

```
NUMERIC AntiBacTak XAntiBacTak AntiBacNTak(F4.0).
COMPUTE AntiBacTak=0.
COMPUTE XAntiBacTak=0.
COMPUTE AntiBacNTak=0.
do repeat A=MedBI01 MedBI02 MedBI03 MedBI04 MedBI05 MedBI06 MedBI07 MedBI08 MedBI09 MedBI10 MedBI11
MedBI12
  MedBI13 MedBI14 MedBI15 MedBI16 MedBI17 MedBI18 MedBI19 MedBI20 MedBI21 MedBI22
  /B=MedBIA1 MedBIA2 MedBIA3 MedBIA4 MedBIA5 MedBIA6 MedBIA7 MedBIA8 MedBIA9 MedBIA10 MedBIA11 MedBIA12
  MedBIA13 MedBIA14 MedBIA15 MedBIA16 MedBIA17 MedBIA18 MedBIA19 MedBIA20 MedBIA21 MedBIA22.
  if ANY(A, 50101,50102,50103,50104,50105,50106,50107,50108,50109,50110,50111,50112,50113) & Medcnjd=1
& B=1 AntiBacTak=AntiBacTak+1.
  if ANY(A, 50101,50102,50103,50104,50105,50106,50107,50108,50109,50110,50111,50112,50113) & Medcnjd=1
& B=2 AntiBacNTak=AntiBacNTak+1.
  if (RANGE(A, 10101, 99999) & not ANY(A,
50101,50102,50103,50104,50105,50106,50107,50108,50109,50110,50111,50112,50113) ) & Medcnjd=1
XAntiBacTak=XAntiBacTak+1.
end repeat.
RECODE AntiBacTak (0=-99).
```

```

IF Medcnjd=-1 AntiBacTak=-1.
IF Medcnjd=2 AntiBacTak=0.
IF Medcnjd=3 AntiBacTak=-8.
IF RANGE(age,0,15) AntiBacTak=-1.
IF AntiBacTak=-99 & Medcnjd=1 & (XAntiBacTak>0 | AntiBacNTak>0) AntiBacTak=0.
VARIABLE LABELS AntiBacTak "(D) Number of prescribed antibacterial medications taken in the last seven
days".
VALUE LABELS AntiBacTak
-1 "Not applicable"
-8 "Don't know/Refused"
0 "None taken".

```

## ANTIBACTAKG2: (D) Any prescribed antibacterial medications taken in last 7 days (binary)

- 0 No
- 1 Yes,at least one

### SPSS Syntax

```

NUMERIC AntiBacTakg2 (F3.0).
RECODE AntiBacTak (2 THRU HI=1)(ELSE=COPY) INTO AntiBacTakg2.
VARIABLE LABELS AntiBacTakg2 "(D) Any prescribed antibacterial medications taken in last 7 days (binary)".
VALUE LABELS AntiBacTakg2
-8 "Don't know"
-1 "Not applicable"
0 "No"
1 "Yes,at least one".

```

## Self-Assessed Health

### GENHEL2: (D) Self-assessed general health (grouped)

- 1 Very good/good
- 2 Fair
- 3 Bad/very bad

### SPSS Syntax

```

RECODE genhelf (3=2)(1 thru 2=1)(4 thru 5=3)(ELSE=Copy) INTO genhelf2 .
VARIABLE LABELS genhelf2 "(D) Self-assessed general health - grouped" .
VALUE LABELS genhelf2
1 'Very good/good'
2 'Fair'
3 'Bad/very bad'.
exe.

```

## Personal Care Plan

### PCAREP1: (D) Whether been offered a personal care plan

- 1 Agreed personal care plan in last 12 months
- 2 Agreed personal care plan in more than 12 month
- 3 Discussing, but not yet agreed
- 4 Offered, but did not want one/not suitable
- 5 Not offered, but would like one
- 6 Not offered, and did not want one
- 7 Not offered, and don't know whether want one.

### SPSS Syntax

```

compute pcarep1=9.
if age<16 pcarep1=-1.
if limlast=3 pcarep1=-1.
if planag=1 pcarep1=1.
if planag=2 pcarep1=2.
if planag=3 and whynopl=2 pcarep1=3.
if planag=3 and whynopl=95 pcarep1=4.
if planag=3 and whynopl=1 pcarep1=4.
if planag=3 and offplan=2 and likeplan=1 pcarep1=5.
if planag=3 and offplan=2 and likeplan=2 pcarep1=6.
if planag=3 and offplan=2 and likeplan=3 pcarep1=7.
if any (-8, planag, whynopl, offplan, likeplan) pcarep1=-8.
if any (-9, planag, whynopl, offplan, likeplan) pcarep1=-9.
if planag<0 pcarep1=planag.
VARIABLE LABELS pcarep1 "(D) Whether been offered a personal care plan".
VALUE LABELS pcarep1
-1 'Item not applicable'

```

```

1 'Agreed personal care plan in last 12 months'
2 'Agreed personal care plan in more than 12 months'
3 'Discussing, but not yet agreed'
4 'Offered, but did not want one/not suitable'
5 'Not offered, but would like one'
6 'Not offered, and did not want one'
7 'Not offered, and don't know whether want one'.

```

## CAREPS: (D) Personal care plan status grouped

- 0 Discussing plan or offered and didn't want
- 1 Agreed a personal care plan
- 2 Not offered but would like to discuss
- 3 Not offered and would not like to discuss.

### SPSS Syntax

```

NUMERIC careps (F2.0).
compute careps=-999.
if pcarep1=1 careps=1.
if pcarep1=2 careps=1.
if pcarep1=3 careps=0.
if pcarep1=4 careps=0.
if pcarep1=5 careps=2.
if pcarep1=6 careps=3.
if pcarep1=7 careps=3.
if pcarep1<0 careps=pcarep1.
execute.
variable labels careps "(D) Personal care plan status grouped".
value labels careps
0 "Discussing plan or offered and didn't want"
1 "Agreed a personal care plan"
2 "Not offered but would like to discuss"
3 "Not offered and would not like to discuss".

```

# Adult Physical Activity

## International physical activity questionnaire (IPAQ)

TOTMVIGD: (D) IPAQ: Total number of minutes usually spent doing vigorous activities in a day

### SPSS Syntax

```
NUMERIC TotmVigD (F7.2).  
COMPUTE TotmVigD=-99.  
IF age<16 TotmVigD=-1.  
IF any(Screc,2,-1) TotmVigD=-1.  
IF TVighou>=0 TotmVigD=TVigHou*60.  
IF TVigMin>=0 TotmVigD=TotmVigD +TVigmin.  
IF any(-9, TVigHou, TVigMin) TotmVigD=-9.  
IF TotmVigD=-99 & NoVig=2 TotmVigD=0.  
EXECUTE.  
VARIABLE LABELS TotmVigD "(D) IPAQ: Total number of minutes usually spend doing vigorous activities in a day".
```

TOTMMODD: (D) IPAQ: Total number of minutes usually spent doing moderate activities in a day

### SPSS Syntax

```
NUMERIC TotmModD (F7.2).  
COMPUTE TotmModD=-99.  
IF age<16 TotmModD=-1.  
IF any(Screc,2,-1) TotmModD=-1.  
IF TModhou>=0 TotmModD=TModHou*60.  
IF TModMin>=0 TotmModD=TotmModD +TModmin.  
IF any(-9, TModHou, TModMin) TotmModD=-9.  
IF TotmModD=-99 & NoMod=2 TotmModD=0.  
EXECUTE.  
VARIABLE LABELS TotmModD "(D) IPAQ: Total number of minutes usually spend doing moderate activities in a day".
```

TOTMWALD: (D) IPAQ: Total number of minutes usually spent walking in a day

### SPSS Syntax

```
NUMERIC TotmWald (F7.2).  
COMPUTE TotmWald=-99.  
IF age<16 TotmWald=-1.  
IF any(Screc,2,-1) TotmWald=-1.  
IF TWalhou>=0 TotmWald=TWalHou*60.  
IF TWalMin>=0 TotmWald=TotmWald +TWalmin.  
IF any(-9, TWalHou, TWalMin) TotmWald=-9.  
IF TotmWald=-99 & NoWalk=2 TotmWald=0.  
EXECUTE.  
VARIABLE LABELS TotmWald "(D) IPAQ: Total number of minutes usually spend walking in a day".
```

TOTMSITD: (D) IPAQ: Total number of minutes usually spent sitting on a weekday

### SPSS Syntax

```
NUMERIC TotmSitD (F7.2).  
COMPUTE TotmSitD=-99.  
IF age<16 TotmSitD=-1.  
IF any(Screc,2,-1) TotmSitD=-1.  
IF TSithou>=0 TotmSitD=TSitHou*60.  
IF TSitMin>=0 TotmSitD=TotmSitD +TSitmin.  
IF any(-9, TSitHou, TSitMin) TotmSitD=-9.  
EXECUTE.  
VARIABLE LABELS TotmSitD "(D) IPAQ: Total number of minutes spent sitting on a weekday".
```

TOTMVIGWK: (D) IPAQ: Total number of minutes of vigorous activity in the last 7 days

**SPSS Syntax**

```
NUMERIC TotmVigWk (F7.2).  
COMPUTE TotmVigWk=-99.  
IF Lst7Vig=-1 TotmVigWk=-1.  
IF Lst7Vig>0 TotmVigWk=Lst7Vig*TotmVigD.  
IF NoVig=2 TotmVigWk=0.  
IF Lst7Vig=-9 | TotmVigD=-9 TotmVigWk=-9.  
EXECUTE.  
VARIABLE LABELS TotmVigWk "(D) IPAQ: Total number of minutes of vigorous activity in the last 7 days".
```

TOTMMODWK: (D) IPAQ: Total number of minutes of moderate activity in the last 7 days

**SPSS Syntax**

```
NUMERIC TotmModWk (F7.2).  
COMPUTE TotmModWk=-99.  
IF Lst7Mod=-1 TotmModWk=-1.  
IF Lst7Mod>0 TotmModWk=Lst7Mod*TotmModD.  
IF NoMod=2 TotmModWk=0.  
IF Lst7Mod=-9 | TotmModD=-9 TotmModWk=-9.  
EXECUTE.  
VARIABLE LABELS TotmModWk "(D) IPAQ: Total number of minutes of moderate activity in the last 7 days".
```

TOTMWALWK: (D) IPAQ: Total number of minutes of walking in the last 7 days

**SPSS Syntax**

```
NUMERIC TotmWalWk (F7.2).  
COMPUTE TotmWalWk=-99.  
IF Lst7Wal=-1 TotmWalWk=-1.  
IF Lst7Wal>0 TotmWalWk=Lst7Wal*TotmWalD.  
IF NoWalk=2 TotmWalWk=0.  
IF Lst7Wal=-9 | TotmWalD=-9 TotmWalWk=-9.  
EXECUTE.  
VARIABLE LABELS TotmWalWk "(D) IPAQ: Total number of minutes walking in the last 7 days".
```

TOTMSITWK: (D) IPAQ: Total number of minutes spent sitting (weekdays only) in the last 7 days

**SPSS Syntax**

```
NUMERIC TotmSitWk (F7.2).  
COMPUTE TotmSitWk=-99.  
IF TotmSitD=-1 TotmSitWk=-1.  
IF TotmSitD>=0 TotmSitWk=5*TotmSitD.  
IF TotmSitD=-9 TotmSitWk=-9.  
EXECUTE.  
VARIABLE LABELS TotmSitWk "(D) IPAQ: Total number of minutes spent sitting (weekdays, only) in the last 7 days".
```

VPAMDAY: (D) IPAQ: Vigorous-intensity minutes (VPA) each day (10+ mins) \*2

**SPSS Syntax**

```
NUMERIC VPAmDay (F7.2).  
COMPUTE VPAmDay =-999.  
IF NOT (age>=16 & range(scomp,1,2) & screc=1) VPAmDay=-1.  
IF (Lst7Vig=-9 | (TvigHou=-9 & TvigMin=-9) | (TvigHou=-9 & TvigMin=0) | (TvigHou=0 & TvigMin=-9))  
VPAmDay=-9.  
IF (TvigMin>=0 & TvigHou>=0) & any(Lst7vig,1,2,3,4,5,6,7) VPAmDay = (TvigMin + (TvigHou*60)) * 2.  
IF NoVig=2 VPAmDay =0.  
IF Range(VPAmDay,0,9) VPAmDay=0.  
VARIABLE LABELS VPAmDay "(D) IPAQ: Vigorous-intensity minutes (VPA) each day (10+ mins)*2".  
VALUE LABELS VPAmDay  
-1 "Not applicable"  
-9 "Refusal/Unknown".
```

MPAMDAY: (D) IPAQ: Moderate-intensity minutes (MPA) each day (10+ mins) \*2

**SPSS Syntax**

```
NUMERIC MPAmDay (F7.2).  
COMPUTE MPAmDay =-999.
```



```

IF NOT (age>=16 & range(scomp,1,2) & screc=1) MPAmDay=-1.
IF (Lst7Mod=-9 | (TModHou=-9 & TModMin=-9) | (TModHou=-9 & TModMin=0) | (TModHou=0 & TModMin=-9))
MPAmDay=-9.
if (TModMin>=0 & TModHou>=0) & any(Lst7Mod,1,2,3,4,5,6,7) MPAmDay = TModMin + (TModHou*60).
if NoMod=2 MPAmDay =0.
IF Range(MPAmDay,0,9) MPAmDay=0.
VARIABLE LABELS MPAmDay "(D) IPAQ: Moderate-intensity minutes (MPA) each day (10+ mins)".
VALUE LABELS MPAmDay
-1 "Not applicable"
-9 "Refusal/Unknown".

```

VPAMWK: (D) IPAQ: Vigorous-intensity minutes (VPA) each week (10+ mins) \*2

#### SPSS Syntax

```

NUMERIC VPAmWk (F7.2).
COMPUTE VPAmWk=-999.
IF VPAmDay<=0 VPAmWK=VPAmDay.
IF ANY(Lst7vig,1,2,3,4,5,6,7) & (VPAmDay>0) VPAmWk=(Lst7vig * VPAmDay).
VARIABLE LABELS VPAmWk "(D) IPAQ: Vigorous-intensity minutes (VPA) each week (10+ mins) * 2".

```

MPAMWK: (D) IPAQ: Moderate-intensity minutes (MPA) each week (10+ mins) \*2

#### SPSS Syntax

```

NUMERIC MPAmWk (F7.2).
COMPUTE MPAmWk=-999.
IF MPAmDay<=0 MPAmWK=MPAmDay.
IF ANY(Lst7mod,1,2,3,4,5,6,7) & (MPAmDay>0) MPAmWk=(Lst7mod * MPAmDay).
VARIABLE LABELS MPAmWk "(D) IPAQ: Moderate-intensity minutes (MPA) each week (10+ mins)".

```

MVPAMWK: (D) IPAQ: Active – Moderate/Vigorous-intensity minutes (MVPA) each week

#### SPSS Syntax

```

NUMERIC MVPAmWk (F7.2).
COMPUTE MVPAmWk=-999.
IF MPAmDay=-1 MVPAmWK=MPAmDay.
IF MPAmWk=-9 | VPAmWk=-9 MVPAmWK=-9.
IF MPAmWK>=0 & VPAmWK>=0 MVPAmWK= MPAmWK + VPAmWk.
VARIABLE LABELS MVPAmWk "(D) IPAQ: Active - Moderate/Vigorous-intensity minutes (MVPA) each week".

```

MVPAMWKG: (D) IPAQ: Grouped Active – 30 minutes or more Moderate/Vigorous-intensity minutes (MVPA) each week

- 1 Inactive below 30mins MVPA per week
- 2 Active 30 mins or more

#### SPSS Syntax

```

NUMERIC MVPAmWkg (F7.2).
RECODE MVPAmWk (0 thru 29.99999=1) (30.0 thru hi=2) (lo thru -1=COPY) INTO MVPAmWkg.
VARIABLE LABELS MVPAmWkg "(D) IPAQ: Grouped Active - 30 minutes or more Moderate/Vigorous-intensity minutes (MVPA) each week".
VALUE LABELS MVPAmWkg
-1 "Not applicable"
-9 "Refusal/Unknown"
1 "Inactive below 30 mins MVPA per week"
2 "Active 30 mins or more".

```

MVPATRT: (D) IPAQ: Tertiles of moderate or vigorous intensive minutes of activity per week (sex-specific; excludes walking)

- 1 Low
- 2 Medium
- 3 High

#### SPSS Syntax

```

NUMERIC MVPATert (F3.0).
COMPUTE MVPATert=-999.
if MVPAmWk<0 MVPATert=MVPAmWk.
if sex=1 & range(MVPAmWk,0,120) MVPATert=1.
if sex=1 & range(MVPAmWk,121,840) MVPATert=2.
if sex=1 & range(MVPAmWk,841,13320) MVPATert=3.
if sex=2 & MVPAmWk=0 MVPATert=1.

```

```
if sex=2 & range(MVPAmWk,10,496) MVPATert=2.  
if sex=2 & range(MVPAmWk,496,15120) MVPATert=3.  
VARIABLE LABELS MVPATert "(D) IPAQ: Tertiles of moderate or vigorous intensive minutes of activity per  
week ( sex-specific; excludes walking)".  
VALUE LABELS MVPATert  
-1 "Not applicable"  
-9 "Refusal/Unknown"  
1 "Low"  
2 "Medium"  
3 "High".
```

# Smoking

## Adults General

### CIGPIPENOW: (D) Current user of cigars or pipes, 16+yrs (c+sc)

- 0 Has never smoked
- 1 Ever smoked but not currently smoking a cigar or pipe
- 2 Ever smoked but questions about cigar or pipe not applicable
- 3 Currently smokes a cigar or pipe

#### SPSS Syntax

```
COMPUTE CigPipeNow=-99.
IF SmkEvr<0 CigPipeNow=SmkEvr.
IF SmkEvr=2 CigPipeNow=0.
IF SmkEvr=1 & age>=18 & ( (pipenowA=2 & sex=1) | cigarnow=2) CigPipeNow=1.
IF SmkEvr=1 & age>=16 & ( (pipenowA=-1 & sex=1) | cigarnow=-1) CigPipeNow=2.
IF SmkEvr=1 & age>=18 & ( (pipenowA=1 & sex=1) | cigarnow=1) CigPipeNow=3.
IF range(age,0,15) cigPipeNow=-1.
Freq CigPipeNow.
VARIABLE LABELS CigPipeNow "(D) Current user of cigars or pipes, 16+yrs (c+sc)".
VALUE LABELS CigPipeNow
-9 "No answer/refused"
-8 "Don't know"
-1 "Item not applicable"
0 "Has never smoked"
1 "Ever smoked but not currently smoking a cigar or pipe"
2 "Ever smoked but questions about cigar or pipe not applicable"
3 "Currently smokes a cigar or pipe".
```

### CIGST1: (D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current

- 1 Never smoked cigarettes at all
- 2 Used to smoke cigarettes occasionally
- 3 Used to smoke cigarettes regularly
- 4 Current cigarette smoker

#### SPSS Syntax

```
IF any(2,cigevr,smkevr) cigstl=1.
RECODE cigreg (3=1)(2=2)(1=3) INTO cigstl.
IF cignow=1 cigstl=4.
IF ANY(-9,smkevr,cignow,cigevr,cigreg) cigstl=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigreg) cigstl=-8.
IF smkevr=-1 cigstl=-1.
IF age<16 cigstl=-1.
VARIABLE LABELS cigstl "(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current".
VALUE LABELS cigstl
1 "Never smoked cigarettes at all"
2 "Used to smoke cigarettes occasionally"
3 "Used to smoke cigarettes regularly"
4 "Current cigarette smoker".
```

### CIGSTA3: (D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg

- 1 Current cigarette smoker
- 2 Ex-regular cigarette smoker
- 3 Never regular cigarette smoker

#### SPSS Syntax

```
IF any(2,cigevr,smkevr) cigsta3=3.
RECODE cigreg (1=2)(2,3=3) INTO cigsta3.
IF cignow=1 cigsta3=1.
```

```

IF ANY(-9,smkevr,cignow,cigevr,cigreg) cigsta3=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigreg) cigsta3=-8.
IF smkevr=-1 cigsta3=-1.
IF age<16 cigsta3=-1.
VARIABLE LABELS cigsta3 "(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg".
VALUE LABELS cigsta3
  1 "Current cigarette smoker"
  2 "Ex-regular cigarette smoker"
  3 "Never regular cigarette smoker".

```

## CIGST2: (D) Cigarette Smoking Status - Banded current smokers

- 1 Light smokers, under 10 a day
- 2 Moderate smokers, 10 to under 20 a day
- 3 Heavy smokers, 20 or more a day
- 4 Don't know number smoked a day
- 5 Non-smoker

### SPSS Syntax

```

RECODE cigdyl (-9=4)(-8=4)(-1=-1)(20 thru hi=3)(10 thru 20=2)(0 thru 10=1) INTO cigst2.
RECODE cignow (-9=-9)(-8=-8)(2=5) INTO cigst2.
RECODE smkevr (-9=-9)(-8=-8)(-1=-1)(2=5) INTO cigst2.
IF age<16 cigst2=-1.
VARIABLE LABEL cigst2 "(D) Cigarette Smoking Status - Banded current smokers".
VALUE LABELS cigst2
  1 "Light smokers, under 10 a day"
  2 "Moderate smokers, 10 to under 20 a day"
  3 "Heavy smokers, 20 or more a day"
  4 "Don't know number smoked a day"
  5 "Non-smoker".

```

## EXPSMOK3: (D) Any adult self-reported exposure to other people's smoke, 16+, binary (c+sc)

- 1 No
- 2 Yes

### SPSS Syntax

```

COMPUTE Expsmok3 = -99.
RECODE Expsmok (0=1) (0 thru HI=2)(ELSE=COPY) INTO Expsmok3.
IF RANGE(age,0,15) Expsmok3=-1.
VARIABLE LABELS Expsmok3 "(D) Any adult self-reported exposure to other people's smoke, 16+, binary (c+sc)".
VALUE LABELS Expsmok3
-9 "Refused"
-8 "Don't know"
-1 "Not applicable"
  1 "No"
  2 "Yes" .

```

## Adult Current Smokers

### CIGDYAL: (D) Number of cigarettes smoked a day - inc non-smokers

#### SPSS Syntax

```

IF cigwday>=0 & cigwend>=0 cigdyl=((5*cigwday)+(2*cigwend))/7.
IF ANY(-9,cigwday,cigwend) cigdyl=-9.
IF ANY(-8,cigwday,cigwend) cigdyl=-8.
IF age<16 cigdyl=-1.
RECODE cignow(-9,-8,-1=COPY)(2=0) INTO cigdyl.
RECODE smkevr(-9,-8,-1=COPY)(2=0) INTO cigdyl.
RECODE cigevr(-9,-8=COPY)(2=0) INTO cigdyl.
formats cigdyl (F2.1).
VARIABLE LABELS cigdyl "(D) Number of cigarettes smoke a day - inc. non-smokers".

```

# Nicotine replacement

## NDPNOW: (D) Current use of E-cigarettes and/or NDPs, 16+yrs (c+sc)

- 1 E-cigarettes only
- 2 Other nicotine delivery products only
- 0 Both
- 1 None

### SPSS Syntax

```
COMPUTE NDPNow=-99.
IF NRnow08=1 & (NRnow01=0 & NRnow02=0 & NRnow03=0 & NRnow04=0 & NRnow05=0 & NRnow06=0 & NRnow07=0)
NDPNow=1.
IF NRnow08=0 & ANY(1,NRnow01, NRnow02, NRnow03, NRnow04, NRnow05, NRnow06 ,NRnow07) NDPNow=2.
IF NRnow08=1 & ANY(1,NRnow01, NRnow02, NRnow03, NRnow04, NRnow05, NRnow06 ,NRnow07) NDPNow=3.
IF NRnow09=1 NDPNow=4.
IF NRnow08<0 NDPNow=NRnow08.
IF range(age, 0,15) NDPNow=-1.
variable labels NDPNow "(D) Current use of E-cigarettes and/or NDPs, 16+yrs (c+sc) ".
add value labels NDPNow
1 "E-cigarettes only"
2 "Other nicotine delivery products only"
3 "Both"
4 "None"
```

## NDPEVRC: (D) Ever or Current use of E-cigarettes and/or NDPs, 16+yrs (c+sc)

- 1 E-cigarettes only
- 2 Other nicotine delivery products only
- 3 Both
- 4 None

### SPSS Syntax

```
COMPUTE NDPEvrc=-99.
IF NREvr08=1 & (NREvr01=0 & NREvr02=0 & NREvr03=0 & NREvr04=0 & NREvr05=0 & NREvr06=0 & NREvr07=0)
NDPEvrc=1.
IF NREvr08=0 & ANY(1,NREvr01, NREvr02, NREvr03, NREvr04, NREvr05, NREvr06 ,NREvr07) NDPEvrc=2.
IF NREvr08=1 & ANY(1,NREvr01, NREvr02, NREvr03, NREvr04, NREvr05, NREvr06 ,NREvr07) NDPEvrc=3.
IF NREvr09=1 NDPEvrc=4.
IF NREvr09<0 NDPEvrc=NREvr09.
IF Any(NDPNow,1,2,3) & any(NDPEvrc,4,-1) NDPEvrc=NDPNow.
IF NDPNow=1 & NDPEvrc=-9 NDPEvrc=1.
IF (NDPNow=2 & NDPEvrc=1) | (NDPNow=1 & NDPEvrc=2) NDPEvrc=3.
IF NDPNow=3 & any(NDPEvrc,1,2) NDPEvrc=3.
IF NDPNow=3 & ANY(NDPEvrc,-1,-8,-9) NDPEvrc=3.
IF NDPNow=-9 & NDPEvrc=4 NDPEvrc=-9.
IF range(age, 0,15) NDPEvrc=-1.
variable labels NDPEvrc "(D) Ever or Current use of E-cigarettes and/or NDPs, 16+yrs (c+sc) ".
add value labels NDPEvrc
1 "E-cigarettes only"
2 "Other nicotine delivery products only"
3 "Both"
4 "None"
-9 "No answer/Refused"
-8 "Don't know"
-1 "Not applicable".
```

# Children General

## EXPSMOK2: (D) Children's self reported exposure to other people's smoke, 0-15, 4 groups

- 0 Not exposed
- 1 1-14 hours a week

- 2 15-28 hours a week
- 3 More than 28 hours

#### SPSS Syntax

```
COMPUTE ExpSmok2=-99.
RECODE expsmok (0=0) (1 thru 14=1)(14 thru 28=2)(28 thru hi=3) (-9 thru -1=COPY) INTO expsmok2.
VARIABLE LABELS expsmok2 "(D) Children's self reported exposure to other people's smoke, 0-15yrs, 4 groups, (c+sc)".
If age>15 expsmok2=-1.
VALUE LABELS expsmok2
-9 "Refused"
-8 "Don't know"
-1 "Not applicable"
0 "Not exposed"
1 "1-14 hours a week"
2 "15-28 hours a week"
3 "More than 28 hours".
```

**ADULTSMOKE: (D) Children live with at least one adult smoker, smokes at home on most days, binary (for children aged 4-15)**

- 0 None
- 1 1+ adults

#### SPSS Syntax

```
COMPUTE adultsmoke=-99.
RECODE numsm (1 THRU HI=1) INTO adultsmoke.
IF Passm=2 Adultsmoke=0.
IF range(age,0,3) | range(age,16,120) adultsmoke=-1.
VARIABLE LABELS adultsmoke "(D) Children live with at least one adult smoker, smokes at home on most days, binary (for children aged 4-15)".
VALUE LABELS adultsmoke
-1 "Not applicable"
0 "None"
1 "1+ adults".
```

**SMOKE415: (D) Self-reported child smokers aged 4-15yrs, (4-7yrs assumed non-smoker)**

- 0 None smoker
- 1 Current smoker

#### SPSS Syntax

```
COMPUTE Smoke415=-99.
IF RANGE(Age, 0,3) | RANGE(Age,16,150) Smoke415=-1.
IF RANGE(Age, 4,7) Smoke415=0.
IF Smoke415=-99 & RANGE(Age,8,15) & ANY(KcigReg,1,2,3,4) Smoke415=0.
IF Smoke415=-99 & RANGE(Age,8,15) & ANY(KcigReg,5,6) Smoke415=1.
IF Smoke415=-99 & RANGE(Age,8,15) & ANY(KcigReg,-1,-8,-9) Smoke415=KcigReg.
VARIABLE LABELS smoke415 "(D) Self-reported child smokers aged 4-15 yrs, (4-7yrs assumed non-smoker)".
VALUE LABELS Smoke415
-9 "Refused"
-1 "Not applicable"
0 "Non-smoker"
1 "Current smoker".
```

## Children 8-15

**KCIGREGG: (D) Frequency of cigarette smoking (8-15s) (grouped)**

- 1 Don't smoke cigarettes
- 2 Smoke cigarettes, less than once a week
- 3 Smoke cigarettes, once a week or more often

#### SPSS Syntax

```

recode kcigreg (lo thru -1=COPY)(1 thru 3=1)(4=2)(5,6=3) INTO kcigregg.
VARIABLE LABELS kcigregg "(D) Frequency of cigarette smoking (8-15s) (grouped)".
VALUE LABELS kcigregg
  1 "Don't smoke cigarettes"
  2 "Smoke cigarettes, less than once a week"
  3 "Smoke cigarettes, once a week or more often".

```

## Children 13-15

### CURRENTNDPS: (D) Current use of nicotine delivery product(s) (NDP) (SC 13-15)

- 0 No current use
- 1 Current use

#### SPSS Syntax

```

RECODE ANRNNow_9 (0=1) (1=0)(ELSE=COPY) INTO CurrentNDPs.
VARIABLE LABELS CurrentNDPs "(D) Current use of nicotine delivery product(s) ie NDP (SC 13-15)".
VALUE LABELS CurrentNDPs
-9 "No answer/refused"
-8 "Don't know"
-1 "Item not applicable"
  0 "No current use"
  1 "Current use".

```

## Current Nicotine Status

### NCIGSTAT : (D) Cigarette Smoking at nurse interview, 16+yrs

- 1 Current smoker
- 2 Ex-smoker
- 3 Never smoker

#### SPSS Syntax

```

COMPUTE NCigstat=-99.
IF nuroutc<>81 NcigStat=-1.
IF range(age,0,15) NcigStat=-1.
IF any(smokel,1,-9,-8) NCigstat=smokel.
IF smokel=0 & cigsta3=1 NCigstat=2.
IF smokel=0 & any(cigsta3, 2, 3,-9,-8) NCigstat=cigsta3.
IF smokel=0 & cigsta3=-1 NCigstat=-9.
VARIABLE LABELS NCigstat "(D) Cigarette Smoking Status at nurse interview, 16+yrs".
VALUE LABELS NCigstat
-9 "Refused"
-1 "Not applicable"
  1 "Current smoker"
  2 "Ex-smoker"
  3 "Never smoker".

```

### NICUSE7D: (D) Used nicotine products in last 7 days, 16+yrs (nurse)

- 1 Uses nicotine products
- 2 Doesn't use nicotine products

#### SPSS Syntax

```

COMPUTE NicUse7D=-99.
IF (Nuroutc<>81 | range(age,0,15)) NicUse7D=-1.
IF ANY(1, NR7Day_1, NR7Day_2, NR7Day_3, NR7Day_4, NR7Day_5, NR7Day_6, NR7Day_7, NR7Day_8) NicUse7D=1.
IF NR7Day_9=1 NicUse7D=2.
VARIABLE LABELS NicUse7D "(D) Used nicotine products in last 7 days, 16+yrs (nurse)".
VALUE LABELS NicUse7D
  1 "Uses nicotine products"
  2 "Doesn't use nicotine products"
-1 "Not applicable"
-9 "Refused"

```

## Cotinine

COTVAL2 : (D) Valid Cotinine (16+yrs, excl users of nicotine delivery products (NDP))

### SPSS Syntax

```
RECODE Cotinine (ELSE=COPY) INTO CotVal2.
IF NurOutc<>81 | range(age, 0,15) | saloutc<>1 CotVal2=-1.
IF NicUse7d=1 & Cotinine=-1 CotVal2=-1.
IF NicUse7d=1 & CotVal2<>-1 CotVal2=-5.
VARIABLE LABELS CotVal2 "(D) Valid Cotinine (16+yrs, excl users of nicotine delivery products(NDP))".
VALUE LABELS CotVal2
  -5 "NA - used NDP in past 7 days"
  -1 "Not applicable".
```

COT12VAL2: (D) Binary of valid cotinine levels at 12+ ng/ml (16+yrs, excl users of NDP)

- 1 Below 12ng/ml
- 2 At least 12+ ng/ml

### SPSS Syntax

```
RECODE CotVal2 (12 thru HI=2) (0 THRU 12=1)(ELSE=COPY) INTO Cot12Val2.
VARIABLE LABELS Cot12val2 "(D) Binary of valid cotinine levels at 12+ ng/ml (16+yrs, excl users of NDP)".
VALUE LABELS Cot12Val2
  -5 "Not applicable - used NDP in past 7 days"
  -1 "Not applicable"
  1 "Below 12 ng/ml"
  2 "At least 12+ ng/ml" .
```

COT12VAL3: (D) Binary of valid cotinine levels at 12+ ng/ml (16+ incl users of NDP)

- 1 Below 12+ ng/ml
- 2 At least 12+ ng/ml

### SPSS Syntax

```
RECODE Cotinine (12 thru HI=2) (0 THRU 12=1)(ELSE=COPY) INTO Cot12Val3.
IF NurOutc<>81 | range(age, 0,15) | saloutc<>1 Cot12Val3=-1.
VARIABLE LABELS Cot12val3 "(D) Binary of valid cotinine levels at 12+ ng/ml (16+, incl users of NDP)".
VALUE LABELS Cot12Val3
  -1 "Not applicable"
  1 "Below 12 ng/ml"
  2 "At least 12+ ng/ml" .
```

COT12VALKIDS : (D) Cotinine below/ above 12ng/ml (children 4-15) excl current use of NDPs

- 1 Below 12ng/ml
- 2 At least 12+ ng/ml

### SPSS Syntax

```
COMPUTE Cot12valkids=-99.
RECODE Cotinine (lo thru -1=COPY)(12 thru hi=2)(0 thru 12=1) INTO Cot12valkids.
if RANGE(age,0,3) | RANGE(age,16,120) Cot12valkids=-1.
if ANRNOW_9=0 Cot12valkids=-2.
VARIABLE LABELS Cot12valkids "(D) Cotinine below/above 12 ng/ml (children 4-15) excl current use of NDPs".
VALUE LABELS Cot12valkids
  -2 "Not applicable -Current NDP user"
  -1 "Not applicable"
  1 "Below 12 ng/ml"
  2 "At least 12+ ng/ml" .
```



## UNDETECTCOT: (D) Binary of undetectable cotinine, <0.1ng/ml (16+yrs, excl users NDP)

- 1 Below 0.1 ng/ml, Undetectable
- 2 At least 0.1+ ng/ml, Detectable

### SPSS Syntax

```
RECODE Cotval2 (0.1 thru hi=2)(0 thru 0.1=1)(ELSE=COPY) INTO UnDetectCot.
VARIABLE LABELS UnDetectCot '(D) Binary of undetectable cotinine, <0.1ng/ml (16+yrs, excl users NDP)'.
VALUE LABELS UnDetectCot
  -5 "NA - used NDP in past 7 days"
  -1 "Not applicable"
  1 "Below 0.1 ng/ml, Undetectable"
  2 "At least 0.1+ ng/ml, Detectable" .
```

## DETECTCOT12CH: (D) Detectable cotinine for children, excl Current NDPs and smokers

- 1 0 ng/ml
- 2 0.001 & below 12ng/ml

### SPSS Syntax

```
COMPUTE DetectCot12ch=-99.
RECODE cotinine (0.001 thru 11.99=1) (11.99 thru hi = -3)(ELSE=COPY) INTO DetectCot12ch.
IF ANRNOW_9=0 DetectCot12ch=-2.
IF RANGE(Age, 0,3) | RANGE(Age,16,120) DetectCot12ch=-1.
IF RANGE(Age, 8,15) & ANY(Kcigreg,-1,-8,-9) DetectCot12ch=KcigReg.
IF RANGE(Age, 8,15) & ANY(kcigreg,5,6) DetectCot12ch=-3.
VARIABLE LABELS Detectcot12ch "(D) Detectable cotinine for children, excl Current NDPs and smokers".
VALUE LABELS DetectCot12ch
  -9 "Refused"
  -3 "Not applicable -12ng/ml or more/self-reported current smokers"
  -2 "Not applicable -Current NDP user"
  -1 "Not applicable"
  0 "0 ng/ml"
  1 "0.001 & below 12ng/ml".
```

## SHSOUTC: (D) Detectable cotinine for children (3 groups), excl Current NDPs and smokers

- 0 0 ng/ml
- 1 0.001 to less than 1 ng/ml
- 2 1 to less than 12 ng/ml

### SPSS Syntax

```
COMPUTE SHSOutC=-99.
RECODE cotinine (0.001 thru 0.99=1) (0.99 thru 11.99=2) (11.99 thru hi = -3)(ELSE=COPY) INTO SHSOutC.
IF ANRNOW_9=0 SHSOutC=-2.
IF RANGE(Age, 0,3) | RANGE(Age,16,120) SHSOutC=-1.
IF RANGE(Age, 8,15) & ANY(Kcigreg,-1,-8,-9) SHSOutC=KcigReg.
IF RANGE(Age, 8,15) & ANY(kcigreg,5,6) SHSOutC=-3.
VARIABLE LABELS SHSOutC "(D) Detectable cotinine for children (3 groups), excl Current NDPs and smokers".
VALUE LABELS SHSOutC
  -9 "Refused"
  -3 "Not applicable -12ng/ml or more/self-reported current smokers"
  -2 "Not applicable -Current NDP user"
  -1 "Not applicable"
  0 "0 ng/ml"
  1 "0.001 to less than 1 ng/ml"
  2 "1 to less than 12 ng/ml".
```

# Social care

## Help with tasks

### RECHLPI: (D) Did you receive help : Stairs (TASK I)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```
COMPUTE rechlpi=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpi=-99 & range(age,0,64) rechlpi=-1.
*No help required for any task, ie independent*.
IF rechlpi=-99 & anyhlp=2 rechlpi=5.
*Received help but didn't need it*.
IF rechlpi=-99 & (taskhelpi=1 & tasksi=1) rechlpi=1.
*Received help and needed it*.
IF rechlpi=-99 & (taskhelpi=1 & any(tasksi,2,3,4)) rechlpi=2.
*Did not receive help but needed it*.
IF rechlpi=-99 & (taskhelpi=2 & any(tasksi,2,3,4)) rechlpi=3.
*Did not receive help but didn't need it*.
IF rechlpi=-99 & (taskhelpi=2 & tasksi=1) rechlpi=4.
*Missing info on receipt of help or help needed*.
IF rechlpi=-99 & any(taskhelpi,-8,-9) | any(tasksi,-8,-9) rechlpi=-8.
```

### RECHLPH: (D) Did you receive help : Indoors (TASK H)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```
COMPUTE rechlph=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlph=-99 & range(age,0,64) rechlph=-1.
*No help required for any task, ie independent*.
IF rechlph=-99 & anyhlp=2 rechlph=5.
*Received help but didn't need it*.
IF rechlph=-99 & (taskhelph=1 & tasksh=1) rechlph=1.
*Received help and needed it*.
IF rechlph=-99 & (taskhelph=1 & any(tasksh,2,3,4)) rechlph=2.
*Did not receive help but needed it*.
IF rechlph=-99 & (taskhelph=2 & any(tasksh,2,3,4)) rechlph=3.
*Did not receive help but didn't need it*.
IF rechlph=-99 & (taskhelph=2 & tasksh=1) rechlph=4.
*Missing info on receipt of help or help needed*.
IF rechlph=-99 & any(taskhelph,-8,-9) | any(tasksh,-8,-9) rechlph=-8.
```

### RECHLPA: (D) Did you receive help: Bed (TASK A)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```
COMPUTE rechlpa=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpa=-99 & range(age,0,64) rechlpa=-1.
*No help required for any task, ie independent*.
IF rechlpa=-99 & anyhlp=2 rechlpa=5.
```

```

*Received help but didn't need it*.
IF rechlp=99 & (taskhelpa=1 & tasksa=1) rechlp=1.
*Received help and needed it*.
IF rechlp=99 & (taskhelpa=1 & any(tasksa,2,3,4)) rechlp=2.
*Did not receive help but needed it*.
IF rechlp=99 & (taskhelpa=2 & any(tasksa,2,3,4)) rechlp=3.
*Did not receive help but didn't need it*.
IF rechlp=99 & (taskhelpa=2 & tasksa=1) rechlp=4.
*Missing info on receipt of help or help needed*.
IF rechlp=99 & any(taskhelpa,-8,-9) | any(tasksa,-8,-9) rechlp=-8.

```

### RECHLPC: (D) Did you receive help: Shower (TASK C)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```

COMPUTE rechlpc=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpc=-99 & range(age,0,64) rechlpc=-1.
*No help required for any task, ie independent*.
IF rechlpc=-99 & anyhlp=2 rechlpc=5.
*Received help but didn't need it*.
IF rechlpc=-99 & (taskhelpc=1 & tasksc=1) rechlpc=1.
*Received help and needed it*.
IF rechlpc=-99 & (taskhelpc=1 & any(tasksc,2,3,4)) rechlpc=2.
*Did not receive help but needed it*.
IF rechlpc=-99 & (taskhelpc=2 & any(tasksc,2,3,4)) rechlpc=3.
*Did not receive help but didn't need it*.
IF rechlpc=-99 & (taskhelpc=2 & tasksc=1) rechlpc=4.
*Missing info on receipt of help or help needed*.
IF rechlpc=-99 & any(taskhelpc,-8,-9) | any(tasksc,-8,-9) rechlpc=-8.

```

### RECHLPD: (D) Did you receive help: Dress (TASK D)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```

COMPUTE rechlpd=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpd=-99 & range(age,0,64) rechlpd=-1.
*No help required for any task, ie independent*.
IF rechlpd=-99 & anyhlp=2 rechlpd=5.
*Received help but didn't need it*.
IF rechlpd=-99 & (taskhelpd=1 & tasksd=1) rechlpd=1.
*Received help and needed it*.
IF rechlpd=-99 & (taskhelpd=1 & any(tasksd,2,3,4)) rechlpd=2.
*Did not receive help but needed it*.
IF rechlpd=-99 & (taskhelpd=2 & any(tasksd,2,3,4)) rechlpd=3.
*Did not receive help but didn't need it*.
IF rechlpd=-99 & (taskhelpd=2 & tasksd=1) rechlpd=4.
*Missing info on receipt of help or help needed*.
IF rechlpd=-99 & any(taskhelpd,-8,-9) | any(tasksd,-8,-9) rechlpd=-8.

```

### RECHLPB: (D) Did you receive help: Wash (TASK B)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```

COMPUTE rechlpb=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpb=-99 & range(age,0,64) rechlpb=-1.
*No help required for any task, ie independent*.
IF rechlpb=-99 & anyhlp=2 rechlpb=5.
*Received help but didn't need it*.
IF rechlpb=-99 & (taskhelpb=1 & tasksb=1) rechlpb=1.
*Received help and needed it*.
IF rechlpb=-99 & (taskhelpb=1 & any(tasksb,2,3,4)) rechlpb=2.
*Did not receive help but needed it*.
IF rechlpb=-99 & (taskhelpb=2 & any(tasksb,2,3,4)) rechlpb=3.
*Did not receive help but didn't need it*.
IF rechlpb=-99 & (taskhelpb=2 & tasksb=1) rechlpb=4.
*Missing info on receipt of help or help needed*.
IF rechlpb=-99 & any(taskhelpb,-8,-9) | any(tasksb,-8,-9) rechlpb=-8.

```

### RECHLPE: (D) Did you receive help: Toilet (TASK E)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```

COMPUTE rechlpe=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpe=-99 & range(age,0,64) rechlpe=-1.
*No help required for any task, ie independent*.
IF rechlpe=-99 & anyhlp=2 rechlpe=5.
*Received help but didn't need it*.
IF rechlpe=-99 & (taskhelpe=1 & taskse=1) rechlpe=1.
*Received help and needed it*.
IF rechlpe=-99 & (taskhelpe=1 & any(taskse,2,3,4)) rechlpe=2.
*Did not receive help but needed it*.
IF rechlpe=-99 & (taskhelpe=2 & any(taskse,2,3,4)) rechlpe=3.
*Did not receive help but didn't need it*.
IF rechlpe=-99 & (taskhelpe=2 & taskse=1) rechlpe=4.
*Missing info on receipt of help or help needed*.
IF rechlpe=-99 & any(taskhelpe,-8,-9) | any(taskse,-8,-9) rechlpe=-8.

```

### RECHLPG: (D) Did you receive help: Medicine (TASK G)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```

COMPUTE rechlpg=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpg=-99 & range(age,0,64) rechlpg=-1.
*No help required for any task, ie independent*.
IF rechlpg=-99 & anyhlp=2 rechlpg=5.
*Received help but didn't need it*.
IF rechlpg=-99 & (taskhelpg=1 & tasksg=1) rechlpg=1.
*Received help and needed it*.
IF rechlpg=-99 & (taskhelpg=1 & any(tasksg,2,3,4)) rechlpg=2.
*Did not receive help but needed it*.
IF rechlpg=-99 & (taskhelpg=2 & any(tasksg,2,3,4)) rechlpg=3.
*Did not receive help but didn't need it*.
IF rechlpg=-99 & (taskhelpg=2 & tasksg=1) rechlpg=4.
*Missing info on receipt of help or help needed*.
IF rechlpg=-99 & any(taskhelpg,-8,-9) | any(tasksg,-8,-9) rechlpg=-8.

```

### RECHLPF: (D) Did you receive help: Eat (TASK F)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it

# SPSS Syntax

```

COMPUTE rechlpf=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpf=-99 & range(age,0,64) rechlpf=-1.
*No help required for any task, ie independent*.
IF rechlpf=-99 & anyhlp=2 rechlpf=5.
*Received help but didn't need it*.
IF rechlpf=-99 & (taskhelpf=1 & tasksf=1) rechlpf=1.
*Received help and needed it*.
IF rechlpf=-99 & (taskhelpf=1 & any(tasksf,2,3,4)) rechlpf=2.
*Did not receive help but needed it*.
IF rechlpf=-99 & (taskhelpf=2 & any(tasksf,2,3,4)) rechlpf=3.
*Did not receive help but didn't need it*.
IF rechlpf=-99 & (taskhelpf=2 & tasksf=1) rechlpf=4.
*Missing info on receipt of help or help needed*.
IF rechlpf=-99 & any(taskhelpf,-8,-9) | any(tasksf,-8,-9) rechlpf=-8.

```

## RECHLPJ: (D) Did you receive help: House (TASK J)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

# SPSS Syntax

```

COMPUTE rechlpj=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpj=-99 & range(age,0,64) rechlpj=-1.
*No help required for any task, ie independent*.
IF rechlpj=-99 & anyhlp=2 rechlpj=5.
*Received help but didn't need it*.
IF rechlpj=-99 & (taskhelpj=1 & tasksj=1) rechlpj=1.
*Received help and needed it*.
IF rechlpj=-99 & (taskhelpj=1 & any(tasksj,2,3,4)) rechlpj=2.
*Did not receive help but needed it*.
IF rechlpj=-99 & (taskhelpj=2 & any(tasksj,2,3,4)) rechlpj=3.
*Did not receive help but didn't need it*.
IF rechlpj=-99 & (taskhelpj=2 & tasksj=1) rechlpj=4.
*Missing info on receipt of help or help needed*.
IF rechlpj=-99 & any(taskhelpj,-8,-9) | any(tasksj,-8,-9) rechlpj=-8.

```

## RECHLPK: (D) Did you receive help: Shop (TASK K)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

# SPSS Syntax

```

COMPUTE rechlpk=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpk=-99 & range(age,0,64) rechlpk=-1.
*No help required for any task, ie independent*.
IF rechlpk=-99 & anyhlp=2 rechlpk=5.
*Received help but didn't need it*.
IF rechlpk=-99 & (taskhelpk=1 & tasksk=1) rechlpk=1.
*Received help and needed it*.
IF rechlpk=-99 & (taskhelpk=1 & any(tasksk,2,3,4)) rechlpk=2.
*Did not receive help but needed it*.
IF rechlpk=-99 & (taskhelpk=2 & any(tasksk,2,3,4)) rechlpk=3.
*Did not receive help but didn't need it*.
IF rechlpk=-99 & (taskhelpk=2 & tasksk=1) rechlpk=4.
*Missing info on receipt of help or help needed*.
IF rechlpk=-99 & any(taskhelpk,-8,-9) | any(tasksk,-8,-9) rechlpk=-8.

```

### RECHLPL: (D) Did you receive help: Housework (TASK L)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```
COMPUTE rechlp1=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlp1=-99 & range(age,0,64) rechlp1=-1.
*No help required for any task, ie independent*.
IF rechlp1=-99 & anyhlp=2 rechlp1=5.
*Received help but didn't need it*.
IF rechlp1=-99 & (taskhlp1=1 & tasksl=1) rechlp1=1.
*Received help and needed it*.
IF rechlp1=-99 & (taskhlp1=1 & any(tasksl,2,3,4)) rechlp1=2.
*Did not receive help but needed it*.
IF rechlp1=-99 & (taskhlp1=2 & any(tasksl,2,3,4)) rechlp1=3.
*Did not receive help but didn't need it*.
IF rechlp1=-99 & (taskhlp1=2 & tasksl=1) rechlp1=4.
*Missing info on receipt of help or help needed*.
IF rechlp1=-99 & any(taskhlp1,-8,-9) | any(tasksl,-8,-9) rechlp1=-8.
```

### RECHLPM: (D) Did you receive help: Paperwork (TASK M)

- 1 Received help but didn't need it
- 2 Received help and needed it
- 3 Did not receive help but needed it
- 4 Did not receive help but didn't need it
- 5 No help required for any task, ie independent

#### SPSS Syntax

```
COMPUTE rechlpm=-99.
EXECUTE.
*Not applicable aged<65yrs*.
IF rechlpm=-99 & range(age,0,64) rechlpm=-1.
*No help required for any task, ie independent*.
IF rechlpm=-99 & anyhlp=2 rechlpm=5.
*Received help but didn't need it*.
IF rechlpm=-99 & (taskhlpm=1 & tasksm=1) rechlpm=1.
*Received help and needed it*.
IF rechlpm=-99 & (taskhlpm=1 & any(tasksm,2,3,4)) rechlpm=2.
*Did not receive help but needed it*.
IF rechlpm=-99 & (taskhlpm=2 & any(tasksm,2,3,4)) rechlpm=3.
*Did not receive help but didn't need it*.
IF rechlpm=-99 & (taskhlpm=2 & tasksm=1) rechlpm=4.
*Missing info on receipt of help or help needed*.
IF rechlpm=-99 & any(taskhlpm,-8,-9) | any(tasksm,-8,-9) rechlpm=-8.
```

### RECHELIBI: (D) Received help: Stairs (binary) (TASK I)

- 1 Help
- 2 No help

#### SPSS Syntax

```
NUMERIC rechelibi (F2.0).
COMPUTE rechelibi=rechlp1.
IF rechlp1=1 or rechlp1=2 rechelibi=1.
IF any(rechlp1, 3,4,5) rechelibi=2.
```

### RECHELHBI: (D) Received help: Indoors (binary) (TASK H)

- 1 Help
- 2 No help

#### SPSS Syntax

```
COMPUTE rechelhbi=rechlp1.
```

```
IF rechlpb=1 or rechlpb=2 rechelhbi=1.  
IF any(rechlpb, 3,4,5) rechelhbi=2.
```

### RECHELABI: (D) Received help: Bed (binary) (TASK A)

- 1 Help
- 2 No help

#### SPSS Syntax

```
COMPUTE rechelabi=rechlpb.  
IF rechlpb=1 or rechlpb=2 rechelabi=1.  
IF any(rechlpb, 3,4,5) rechelabi=2.
```

### RECHELCBI: (D) Received help: Shower (binary) (TASK C)

- 1 Help
- 2 No help

#### SPSS Syntax

```
COMPUTE rechelcbi=rechlpc.  
IF rechlpc=1 or rechlpc=2 rechelcbi=1.  
IF any(rechlpc, 3,4,5) rechelcbi=2.
```

### RECHELDBI: (D) Received help: Dress (binary) (TASK D)

- 1 Help
- 2 No help

#### SPSS Syntax

```
COMPUTE recheldbi=rechlpd.  
IF rechlpd=1 or rechlpd=2 recheldbi=1.  
IF any(rechlpd, 3,4,5) recheldbi=2.  
VALUE LABELS recheldbi 2 'No help' 1 'Help'.
```

### RECHELBBI: (D) Received help: Wash (binary) (TASK B)

- 1 Help
- 2 No help

#### SPSS Syntax

```
COMPUTE rechelbbi=rechlpb.  
IF rechlpb=1 or rechlpb=2 rechelbbi=1.  
IF any(rechlpb, 3,4,5) rechelbbi=2.
```

### RECHELEBI: (D) Received help: Toilet (binary) (TASK E)

- 1 Help
- 2 No help

#### SPSS Syntax

```
COMPUTE rechelebi=rechlpe.  
IF rechlpe=1 or rechlpe=2 rechelebi=1.  
IF any(rechlpe, 3,4,5) rechelebi=2.
```

### RECHELGBI: (D) Received help: Medicine (binary) (TASK G)

- 1 Help
- 2 No help

#### SPSS Syntax

```
COMPUTE rechelgbi=rechlpb.  
IF rechlpb=1 or rechlpb=2 rechelgbi=1.  
IF any(rechlpb, 3,4,5) rechelgbi=2.
```

**RECHELFBI: (D) Received help: Eat (binary) (TASK F)**

- 1 Help
- 2 No help

**SPSS Syntax**

```
COMPUTE rechelfbi=rechlpf.  
IF rechlpf=1 or rechlpf=2 rechelfbi=1.  
IF any(rechlpf, 3,4,5) rechelfbi=2.
```

**RECHELJBI: (D) Received help: House (binary) (TASK J)**

- 1 Help
- 2 No help

**SPSS Syntax**

```
COMPUTE recheljbi=rechlpj.  
IF rechlpj=1 or rechlpj=2 recheljbi=1.  
IF any(rechlpj, 3,4,5) recheljbi=2.
```

**RECHELKBI: (D) Received help: Shop (binary) (TASK K)**

- 1 Help
- 2 No help

**SPSS Syntax**

```
COMPUTE rechelkbi=rechlpk.  
IF rechlpk=1 or rechlpk=2 rechelkbi=1.  
IF any(rechlpk, 3,4,5) rechelkbi=2.
```

**RECHELLBI: (D) Received help: Housework (binary) (TASK L)**

- 1 Help
- 2 No help

**SPSS Syntax**

```
COMPUTE rechellbi=rechlpl.  
IF rechlp1=1 or rechlp1=2 rechellbi=1.  
IF any(rechlpl, 3,4,5) rechellbi=2.
```

**RECHELMBI: (D) Received help: Paperwork (binary) (TASK M)**

- 1 Help
- 2 No help

**SPSS Syntax**

```
COMPUTE rechelmbi=rechlpm.  
IF rechlpm=1 or rechlpm=2 rechelmbi=1.  
IF any(rechlpm, 3,4,5) rechelmbi=2.
```

**NDHLPI: (D) Need help: Stairs (binary) (TASK I)**

- 0 No
- 1 Yes

**SPSS Syntax**

```
RECODE tasksi (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpi.  
VALUE LABELS ndhlpi 0 'No' 1 'Yes' -8 'Refused' .
```

**NDHLPH: (D) Need help: Indoors (binary) (TASK H)**

- 0 No
- 1 Yes

**SPSS Syntax**



```
RECODE tasksh (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlph.  
VALUE LABELS ndhlph 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPA: (D) Need help: Bed (binary) (TASK A)

0 No  
1 Yes

##### **SPSS Syntax**

```
RECODE tasksa (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpa.  
VALUE LABELS ndhlpa 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPC: (D) Need help: Shower (binary) (TASK C)

0 No  
1 Yes

##### **SPSS Syntax**

```
RECODE tasksc (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpc.  
VALUE LABELS ndhlpc 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPD: (D) Need help: Dress (binary) (TASK D)

0 No  
1 Yes

##### **SPSS Syntax**

```
RECODE tasksd (1=0) (2 thru 4=1) (-9=-8)(else=copy) INTO ndhlpd.  
VALUE LABELS ndhlpd 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPB: (D) Need help: Wash (binary) (TASK B)

0 No  
1 Yes

##### **SPSS Syntax**

```
RECODE tasksb (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpb.  
VALUE LABELS ndhlpb 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPE: (D) Need help: Toilet (binary) (TASK E)

0 No  
1 Yes

##### **SPSS Syntax**

```
RECODE taskse (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpe.  
VALUE LABELS ndhlpe 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPG: (D) Need help: Medicine (binary) (TASK G)

0 No  
1 Yes

##### **SPSS Syntax**

```
RECODE tasksg (1=0) (2 thru 4=1) (-9=-8)(else=copy) INTO ndhlpg.  
VALUE LABELS ndhlpg 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPF: (D) Need help: Eat (binary) (TASK F)

0 No  
1 Yes

##### **SPSS Syntax**

```
RECODE tasksf (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpf.  
VALUE LABELS ndhlpf 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPJ: (D) Need help: House (binary) (TASK J)

0 No  
1 Yes

##### SPSS Syntax

```
RECODE tasksj (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpj.  
VALUE LABELS ndhlpj 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPK: (D) Need help: Shop (binary) (TASK K)

0 No  
1 Yes

##### SPSS Syntax

```
RECODE tasksk (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpk.  
VALUE LABELS ndhlpk 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPL: (D) Need help: Housework (binary) (TASK L)

0 No  
1 Yes

##### SPSS Syntax

```
RECODE tasksl (1=0) (2 thru 4=1) (-9=-8)(else=copy) INTO ndhlpl.  
VALUE LABELS ndhlpl 0 'No' 1 'Yes' -8 'Refused'.
```

#### NDHLPM: (D) Need help: Paperwork (binary) (TASK M)

0 No  
1 Yes

##### SPSS Syntax

```
RECODE tasksm (1=0) (2 thru 4=1) (-9=-8)(else=copy) INTO ndhlpm.  
VALUE LABELS ndhlpm 0 'No' 1 'Yes' -8 'Refused'.
```

#### ANYADL: (D) Needed help with any personal activities (ADLs)

0 No  
1 Yes

##### SPSS Syntax

```
COMPUTE AnyADL=-99.  
IF (ndhlpa=1 or ndhlpb=1 or ndhlpc=1 or ndhlpd=1 or ndhlpe=1 or ndhlpf=1 or ndhlpd=1 or ndhlph=1 or  
ndhlpi=1) AnyADL=1.  
IF (ndhlpa=0 and ndhlpb=0 and ndhlpc=0 and ndhlpd=0 and ndhlpe=0 and ndhlpf=0 and ndhlpd=0 and ndhlph=0  
and ndhlpi=0) AnyADL=0.  
IF AnyADL=-99 and ndhlpa=-1 AnyADL=-1.  
IF AnyADL=-99 AnyADL=-8.  
VARIABLE LABELS AnyADL "(D) Needed help with any personal activities (ADLs)".  
VALUE LABELS AnyADL 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

#### ANYEXSH: (D) Needed help with any personal activities (ADLs excluding bath or shower)

0 No  
1 Yes

##### SPSS Syntax

```
COMPUTE AnyExsh=-99.  
IF (ndhlpa=1 or ndhlpb=1 or ndhlpc=1 or ndhlpe=1 or ndhlpf=1 or ndhlpd=1 or ndhlph=1 or ndhlpi=1)  
AnyExsh=1.  
IF (ndhlpa=0 and ndhlpb=0 and ndhlpc=0 and ndhlpe=0 and ndhlpf=0 and ndhlpd=0 and ndhlph=0 and ndhlpi=0)  
AnyExsh=0.  
IF AnyExsh=-99 and ndhlpa=-1 AnyExsh=-1.
```

```
IF AnyExsh=-99 AnyExsh=-8.
VARIABLE LABELS AnyExsh "(D) Needed help with any personal activities (ADLs excl bath or shower)".
VALUE LABELS AnyExsh 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

ANYEXSH2: (D) Needed help with any personal activities (ADLs excl bath, shower, toilet, indoors and stairs)

0 No  
1 Yes

#### SPSS Syntax

```
Compute AnyExsh2=-99.
If AnyExsh2=-99 and (ndhlpa=1 or ndhlpb=1 or ndhlpd=1 or ndhlpf=1 or ndhlpg=1) AnyExsh2=1.
If AnyExsh2=-99 and (ndhlpa=0 and ndhlpb=0 and ndhlpd=0 and ndhlpf=0 and ndhlpg=0) AnyExsh2=0.
if AnyExsh2=-99 and ndhlpa=-1 AnyExsh2=-1.
IF AnyExsh2=-99 AnyExsh2=-8.
VARIABLE LABELS AnyExsh2 "(D) Needed help with any personal activities (ADLs excl bath or shower, toilet, indoors & stairs)".
VALUE LABELS AnyExsh2 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

INDOORADL: (D) Needed help with any indoor activities (ADLs: Getting around indoors, getting up and down stairs)

0 No  
1 Yes

#### SPSS Syntax

```
Compute IndoorADL=-99.
IF (ndhlph=1 | ndhlpi=1) IndoorADL=1.
IF ndhlph=0 and ndhlpi=0 IndoorADL=0.
IF IndoorADL=-99 and ndhlph=-1 IndoorADL=-1.
IF IndoorADL=-99 IndoorADL=-8.
VARIABLE LABELS IndoorADL "(D) Needed help with any indoor activities (ADLs: Getting around indoors, getting up and down stairs)".
VALUE LABELS IndoorADL 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

ANYIADL: (D) Need help with any instrumental activities (IADLs: getting out of house, food shopping, routine housework, doing paperwork/bills)

0 No  
1 Yes

#### SPSS Syntax

```
COMPUTE AnyIADL=-1.
IF (ndhlpj=1 or ndhlpk=1 or ndhlpl=1 or ndhlpm=1) AnyIADL=1.
IF (ndhlpj=0 and ndhlpk=0 and ndhlpl=0 and ndhlpm=0) AnyIADL=0.
if AnyIADL=-99 and ndhlpj=-1 AnyIADL=-1.
IF AnyIADL=-99 AnyIADL=-8.
VARIABLE LABELS AnyIADL "(D) Needed help with any instrumental activities (IADLs: getting out of house, food shopping, routine housework, doing paperwork/bills)".
VALUE LABELS AnyIADL 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

HELPAIDL: (D) Received help for any personal activities (ADLs)

0 No  
1 Yes

#### SPSS Syntax

```
COMPUTE HelpADL=-99.
IF (taskhelpa=1 or taskhelpb=1 or taskhelpc=1 or taskhelpd=1 or taskhelpe=1 or taskhelpf=1 or taskhelpg=1 or taskhelph=1 or taskhelpi=1) HelpADL=1.
IF (taskhelpa=2 and taskhelpb=2 and taskhelpc=2 and taskhelpd=2 and taskhelpe=2 and taskhelpf=2 and taskhelpg=2 and taskhelph=2 and taskhelpi=2) | anyhlp=2 HelpADL=0.
IF HelpADL=-99 & range(age, 0, 64) HelpADL=-1.
IF HelpADL=-99 HelpADL=-8.
VARIABLE LABELS HelpADL "(D) Received help for any personal activities (ADLs)".
VALUE LABELS HelpADL 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

HELPEXSH: (D) Received help for any personal activities (ADLs excluding bath or shower)

**SPSS Syntax**

```
COMPUTE HelpExsh=-99.
IF (taskhelpa=1 or taskhelpb=1 or taskhelpd=1 or taskhelpe=1 or taskhelpf=1 or taskhelpg=1 or taskhelph=1
or taskhelpi=1) HelpExsh=1.
IF (taskhelpa=2 and taskhelpb=2 and taskhelpd=2 and taskhelpe=2 and taskhelpf=2 and taskhelpg=2 and
taskhelph=2 and taskhelpi=2) | anyhlp=2 HelpExsh=0.
IF HelpExsh=-99 & range(age, 0,64) HelpExsh=-1.
IF HelpExsh=-99 HelpExsh=-8.
VARIABLE LABELS HelpExsh "(D) Received help for any personal activities (ADLs excl bath or shower)".
VALUE LABELS HelpExsh 0 'No' 1 'Yes'.
```

HELPXSH2: (D) Received help for any personal activities (ADLs excl bath or shower, toilet, indoors or stairs)

0 No  
1 Yes

**SPSS Syntax**

```
COMPUTE HelpExsh2=-99.
IF (taskhelpa=1 or taskhelpb=1 or taskhelpd=1 or taskhelpf=1 or taskhelpg=1) HelpExsh2=1.
IF (taskhelpa=2 and taskhelpb=2 and taskhelpd=2 and taskhelpf=2 and taskhelpg=2) | anyhlp=2 HelpExsh2=0.
IF HelpExsh2=-99 & range(age, 0,64) HelpExsh2=-1.
IF HelpExsh2=-99 HelpExsh2=-8.
VARIABLE LABELS HelpExsh2 "(D) Received help for any personal activities (ADLs excl bath or shower,
toilet, indoors & stairs)".
VALUE LABELS HelpExsh2 0 'No' 1 'Yes'.
```

HELPINDOOR: (D) Received help with any indoor activities (ADL: Getting around indoors, getting up and down stairs)

0 No  
1 Yes

**SPSS Syntax**

```
COMPUTE HelpIndoor=-99.
IF (taskhelph=1 | taskhelpi=1) HelpIndoor=1.
IF ((taskhelph=2 and taskhelpi=2) | anyhlp=2) HelpIndoor=0.
IF HelpIndoor=-99 & range(age, 0,64) HelpIndoor=-1.
IF HelpIndoor=-99 HelpIndoor=-8.
VARIABLE LABELS HelpIndoor "(D) Received help with any indoor activities (ADLs: Getting around indoors,
getting up and down stairs)".
VALUE LABELS HelpIndoor 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

HELPIADL: (D) Received help with any instrumental activities (IADLs: getting out of house, food shopping, routine housework, doing paperwork/ bills)

0 No  
1 Yes

**SPSS Syntax**

```
COMPUTE HelpIADL=-99.
IF (taskhelpj=1 or taskhelpk=1 or taskhelpl=1 or taskhelpm=1) HelpIADL=1.
IF (taskhelpj=2 and taskhelpk=2 and taskhelpl=2 and taskhelpm=2) | anyhlp=2 HelpIADL=0.
IF HelpIADL=-99 & range(age, 0,64) HelpIADL=-1.
IF HelpIADL=-99 HelpIADL=-8.
VARIABLE LABELS HelpIADL "(D) Received help with any instrumental activities (IADLs: getting out of
house, food shopping, routine housework, doing paperwork/bills)".
VALUE LABELS HelpIADL 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

UNMETI: (D) Unmet need: Stairs (TASK I)

1 Unmet  
2 Met  
3 No need

**SPSS Syntax**

```
COMPUTE Unmeti=-99.
IF ndhlpi=1 AND taskhelpi=2 Unmeti=1.
IF ndhlpi=1 AND taskhelpi=1 Unmeti=2.
IF ndhlpi=0 Unmeti=3.
IF ndhlpi=-1 Unmeti=-1.
IF any(-8, ndhlpi, TaskHelpi) Unmeti=-8.
```

```
VARIABLE LABELS Unmeti "(D) Unmet need: Stairs (TASK I)".  
VALUE LABELS Unmeti 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNMETH: (D) Unmet need: Indoors (TASK H)

- 1 Unmet
- 2 Met
- 3 No need

#### SPSS Syntax

```
COMPUTE Unmeth=-99.  
IF ndhlph=1 AND taskhelph=2 Unmeth=1.  
IF ndhlph=1 AND taskhelph=1 Unmeth=2.  
IF ndhlph=0 Unmeth=3.  
IF ndhlph=-1 Unmeth=-1.  
IF any(-8, ndhlph, TaskHelph) Unmeth=-8.  
VARIABLE LABELS Unmeth "(D) Unmet need: Stairs (TASK I)".  
VALUE LABELS Unmeth 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNMETA: (D) Unmet need: Bed (TASK A)

- 1 Unmet
- 2 Met
- 3 No need

#### SPSS Syntax

```
COMPUTE Unmeta=-99.  
IF ndhlpa=1 AND taskhelpa=2 Unmeta=1.  
IF ndhlpa=1 AND taskhelpa=1 Unmeta=2.  
IF ndhlpa=0 Unmeta=3.  
IF ndhlpa=-1 Unmeta=-1.  
IF any(-8, ndhlpa, TaskHelpa) Unmeta=-8.  
VARIABLE LABELS Unmeta "(D) Unmet need: Bed (TASK A)".  
VALUE LABELS Unmeta 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNMETC: (D) Unmet need: Shower (TASK C)

- 1 Unmet
- 2 Met
- 3 No need

#### SPSS Syntax

```
COMPUTE Unmetc=-99.  
IF ndhlpc=1 AND taskhelpc=2 Unmetc=1.  
IF ndhlpc=1 AND taskhelpc=1 Unmetc=2.  
IF ndhlpc=0 Unmetc=3.  
IF ndhlpc=-1 Unmetc=-1.  
IF any(-8, ndhlpc, TaskHelpc) Unmetc=-8.  
VARIABLE LABELS Unmetc "(D) Unmet need: Shower (TASK C)".  
VALUE LABELS Unmetc 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNMETD: (D) Unmet need: Dress (TASK D)

- 1 Unmet
- 2 Met
- 3 No need

#### SPSS Syntax

```
COMPUTE Unmetd=-99.  
IF ndhlpd=1 AND taskhelpd=2 Unmetd=1.  
IF ndhlpd=1 AND taskhelpd=1 Unmetd=2.  
IF ndhlpd=0 Unmetd=3.  
IF ndhlpd=-1 Unmetd=-1.  
IF any(-8, ndhlpd, TaskHelpd) Unmetd=-8.  
VARIABLE LABELS Unmetd "(D) Unmet need: Dress (TASK D)".  
VALUE LABELS Unmetd 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNMETB: (D) Unmet need: Wash (TASK B)

- 1 Unmet
- 2 Met
- 3 No need

**SPSS Syntax**

```
COMPUTE Unmetb=-99.  
IF ndhlpb=1 AND taskhelpb=2 Unmetb=1.  
IF ndhlpb=1 AND taskhelpb=1 Unmetb=2.  
IF ndhlpb=0 Unmetb=3.  
IF ndhlpb=-1 Unmetb=-1.  
IF any(-8, ndhlpb, TaskHelpb) Unmetb=-8.  
VARIABLE LABELS Unmetb "(D) Unmet need: Wash (TASK B)".  
VALUE LABELS Unmetb 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

**UNMETE: (D) Unmet need: Toilet (TASK E)**

- 1 Unmet
- 2 Met
- 3 No need

**SPSS Syntax**

```
COMPUTE Unmete=-99.  
IF ndhlpe=1 AND taskhelpe=2 Unmete=1.  
IF ndhlpe=1 AND taskhelpe=1 Unmete=2.  
IF ndhlpe=0 Unmete=3.  
IF ndhlpe=-1 Unmete=-1.  
IF any(-8, ndhlpe, TaskHelpe) Unmete=-8.  
VARIABLE LABELS Unmete "(D) Unmet need: Toilet (TASK E)".  
VALUE LABELS Unmete 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

**UNMETG: (D) Unmet need: Medicine (TASK G)**

- 1 Unmet
- 2 Met
- 3 No need

**SPSS Syntax**

```
COMPUTE Unmetg=-99.  
IF ndhlpb=1 AND taskhelpg=2 Unmetg=1.  
IF ndhlpb=1 AND taskhelpg=1 Unmetg=2.  
IF ndhlpb=0 Unmetg=3.  
IF ndhlpb=-1 Unmetg=-1.  
IF any(-8, ndhlpb, TaskHelpg) Unmetg=-8.  
VARIABLE LABELS Unmetg "(D) Unmet need: Medicine (TASK G)".  
VALUE LABELS Unmetg 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

**UNMETF: (D) Unmet need: Eat (TASK F)**

- 1 Unmet
- 2 Met
- 3 No need

**SPSS Syntax**

```
COMPUTE Unmetf=-99.  
IF ndhlpf=1 AND taskhelpf=2 Unmetf=1.  
IF ndhlpf=1 AND taskhelpf=1 Unmetf=2.  
IF ndhlpf=0 Unmetf=3.  
IF ndhlpf=-1 Unmetf=-1.  
IF any(-8, ndhlpf, TaskHelpf) Unmetf=-8.  
VARIABLE LABELS Unmetf "(D) Unmet need: Eat (TASK F)".  
VALUE LABELS Unmetf 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

**UNMETJ: (D) Unmet need: House (TASK J)**

- 1 Unmet
- 2 Met
- 3 No need

**SPSS Syntax**

```
COMPUTE Unmetj=-99.  
IF ndhlpj=1 AND taskhelpj=2 Unmetj=1.  
IF ndhlpj=1 AND taskhelpj=1 Unmetj=2.  
IF ndhlpj=0 Unmetj=3.  
IF ndhlpj=-1 Unmetj=-1.
```

```
IF any(-8, ndhlpj, TaskHelpj) Unmetj=-8.
VARIABLE LABELS Unmetj "(D) Unmet need: House (TASK J)".
VALUE LABELS Unmetj 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNMETK: (D) Unmet need: Shop (TASK K)

- 1 Unmet
- 2 Met
- 3 No need

#### SPSS Syntax

```
COMPUTE Unmetk=-99.
IF ndhlpk=1 AND taskhelpk=2 Unmetk=1.
IF ndhlpk=1 AND taskhelpk=1 Unmetk=2.
IF ndhlpk=0 Unmetk=3.
IF ndhlpk=-1 Unmetk=-1.
IF any(-8, ndhlpk, TaskHelpk) Unmetk=-8.
VARIABLE LABELS Unmetk "(D) Unmet need: Shop (TASK K)".
VALUE LABELS Unmetk 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNMETL: (D) Unmet need: Housework (TASK L)

- 1 Unmet
- 2 Met
- 3 No need

#### SPSS Syntax

```
COMPUTE Unmetl=-99.
IF ndhlp1=1 AND taskhelp1=2 Unmetl=1.
IF ndhlp1=1 AND taskhelp1=1 Unmetl=2.
IF ndhlp1=0 Unmetl=3.
IF ndhlp1=-1 Unmetl=-1.
IF any(-8, ndhlp1, TaskHelp1) Unmetl=-8.
VARIABLE LABELS Unmetl "(D) Unmet need: Housework (TASK L)".
VALUE LABELS Unmetl 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNMETM: (D) Unmet need: Paperwork (TASK M)

- 1 Unmet
- 2 Met
- 3 No need

#### SPSS Syntax

```
COMPUTE Unmetm=-99.
IF ndhlp1=1 AND taskhelp1=2 Unmetm=1.
IF ndhlp1=1 AND taskhelp1=1 Unmetm=2.
IF ndhlp1=0 Unmetm=3.
IF ndhlp1=-1 Unmetm=-1.
IF any(-8, ndhlp1, TaskHelp1) Unmetm=-8.
VARIABLE LABELS Unmetm "(D) Unmet need: Paperwork/Bills (TASK M)".
VALUE LABELS Unmetm 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Refused'.
```

### UNADL: (D) Unmet need: Any personal activities

- 0 No
- 1 Yes

#### SPSS Syntax

```
COMPUTE UnADL=-99.
IF ANY(1,Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL=1.
IF UnADL=-99 & ANY(2,Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL=0.
IF UnADL=-99 & ANY(3,Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL=0.
IF (Unmeta=-8 and Unmetb=-8 and Unmetc=-8 and Unmetd=-8 and Unmete=-8 and Unmetf=-8 and Unmetg=-8 and Unmeth=-8 and Unmeti=-8) UnADL=-8.
IF Unmeta=-1 UnADL=-1.
VARIABLE LABELS UnADL "(D) Unmet need for any personal activities (ADLs)".
VALUE LABELS UnADL 0 'No' 1 'Yes' -8 'Refused' -1 'Not applicable'.
```

### UNADL2: (D) Whether any unmet need for any personal activities (ADLs)

- 1 Yes, unmet need
- 2 No, all needs met
- 3 No need

### SPSS Syntax

```
COMPUTE UnADL2=-99.
IF ANY(1,Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL2=1.
IF UnADL2=-99 & ANY(2, Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL2=2.
IF UnADL2=-99 & (Unmeta=3 and Unmetb=3 and Unmetc=3 and Unmetd=3 and Unmete=3 and Unmetf=3 and Unmetg=3
and Unmeth=3 and Unmeti=3) UnADL2=3.
IF UnADL2<>1 & ANY(-8, Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL2=-8.
IF Unmeta=-1 UnADL2=-1.
VARIABLE LABELS UnADL2 "(D) Whether any unmet need for any personal activities (ADLs)".
VALUE LABELS UnADL2 1 'Yes, unmet need' 2 "No, all needs met" 3 "No need" -8 "Refused" -1 "Not
applicable"
```

### UNIADL: (D) Unmet need: Any instrumental activities

- 0 No
- 1 Yes

### SPSS Syntax

```
COMPUTE UniADL=-99.
IF ANY(1,Unmetj, Unmetk, Unmetl, Unmetm) UniADL=1.
IF UniADL=-99 & ANY(2,Unmetj, Unmetk, Unmetl, Unmetm) UniADL=0.
IF UniADL=-99 & ANY(3,Unmetj, Unmetk, Unmetl, Unmetm) UniADL=0.
IF (Unmetj=-8 and Unmetk=-8 and Unmetl=-8 and Unmetm=-8) UniADL=-8.
IF Unmetj=-1 UniADL=-1.
VARIABLE LABELS UniADL "(D) Unmet need for any instrumental activities (IADLs)".
VALUE LABELS UniADL 0 'No' 1 'Yes' -8 'Refused' -1 "Not applicable" .
```

### UNIADL2: (D) Whether any unmet need for any instrumental activities (IADLs)

- 1 Yes, unmet need
- 2 No all needs met
- 3 No Need

### SPSS Syntax

```
COMPUTE UniADL2=-99.
IF ANY(1,Unmetj, Unmetk, Unmetl, Unmetm) UniADL2=1.
IF UniADL2=-99 & ANY(2, Unmetj, Unmetk, Unmetl, Unmetm) UniADL2=2.
IF UniADL2=-99 & (Unmetj=3 and Unmetk=3 and Unmetl=3 and Unmetm=3) UniADL2=3.
IF UniADL2<>1 & ANY(-8, Unmetj, Unmetk, Unmetl, Unmetm) UniADL2=-8.
IF Unmetj=-1 UniADL2=-1.
VARIABLE LABELS UniADL2 "(D) Whether any unmet need for any instrumental activities (IADLs)".
VALUE LABELS UniADL2 1 'Yes, Unmet need' 2 "No all needs met" 3 "No need" -8 "Refused" -1 "Not
applicable" .
```

### BLADPROB: (D) Bladder problem – binary

- 0 No
- 1 Yes

### SPSS Syntax

```
COMPUTE bladprob=-99.
IF bladdprb = 1 bladprob=1.
IF bladdprb = 2 bladprob=0.
IF bladdprb = 3 bladprob=0.
IF bladdprb<0 bladprob=bladdprb.
VARIABLE LABELS bladprob '(D) Bladder problem - binary'.
VALUE LABELS bladprob 0 'No' 1 'Yes'.
```

### BOWPROB: (D) Bowel problem – binary

- 0 No
- 1 Yes

### SPSS Syntax

```
COMPUTE bowprob=-99.
IF bowelprb = 1 bowprob=1.
IF bowelprb = 2 bowprob=0.
IF bowelprb = 3 bowprob=0.
IF bowelprb<0 bowprob=bowelprb.
VARIABLE LABELS bowprob '(D) Bowel problem - binary'.
```



BARTHEL: (D) Unmet need: Person's dep – Barthel Index of ADL

BARTGP: (D) Unmet need: Person's dep – Barthel Index ADL, rec

- 1 Barthel scr 0-4
- 2 Barthel scr 5-8
- 3 Barthel scr 9-12
- 4 Barthel scr 13-20

BARTGP2: (D) Unmet need: Person's dep – Barthel Index ADL, rec 2

- 1 Barthel scr 0-4
- 2 Barthel scr 5-8
- 3 Barthel scr 9-12
- 4 Barthel scr 13-16
- 5 Barthel sc 17-20

BARTHEL5: (D) Unmet need: Person's dep – Barthel 5 Item Index ADL

BART5GP: (D) Unmet need: Person's dep – Bart 5 Item lx ADL, rec

- 1 Barthel scr 0-4
- 2 Barthel scr 5-8
- 3 Barthel scr 9-12
- 4 Barthel scr 13-20

BART5GP2: (D) Person's dep – Bart 5 Item lx ADL, rec 2

- 1 Barthel scr 0-4
- 2 Barthel scr 5-8
- 3 Barthel scr 9-12
- 4 Barthel scr 13-16
- 5 Barthel scr 17-20

#### SPSS Syntax

```
RECODE BOWELPRB (-1 = -1)(1 = 0)(2 = 2)(-9,-8,3 = 9) INTO #BOWELS.
RECODE BLADDPRB (-1 = -1)(1 = 0)(2 = 2)(-9,-8,3 = 9) INTO #BLADDER.
RECODE TASKSB (-1 = -1)(1,2 = 1)(3,4 = 0)(-9,-8 = 9) INTO #GROOM.
RECODE TASKSE (-1 = -1)(1 = 2)(2 = 1)(3,4 = 0)(-9,-8 = 9) INTO #TOILET.
RECODE TASKSF (-1 = -1)(1 = 2)(2 = 1)(3,4 = 0)(-9,-8 = 9) INTO #FEED.
RECODE TASKSA (-1 = -1)(1 = 3)(2 = 2)(3 = 1)(4 = 0)(-9,-8 = 9) INTO #TRANSF.
RECODE TASKSH (-1 = -1)(1,2 = 3)(3 = 2)(4 = 0)(-9,-8 = 9) INTO #MOBIL.
RECODE TASKSD (-1 = -1)(1 = 2)(2 = 1)(3,4 = 0)(-9,-8 = 9) INTO #DRESS.
RECODE TASKSI (-1 = -1)(1,2 = 2)(3 = 1)(4 = 0)(-9,-8 = 9) INTO #STAIRS.
RECODE TASKSC (-1 = -1)(1 = 1)(2,3,4 = 0)(-9,-8 = 9) INTO #BATH.
*BARTHEL INDEX*.
DO IF (AGE LT 65).
  COMPUTE BARTHEL = -1.
ELSE IF (AGE GE 65).
  DO IF (ANY(-1,#BOWELS,#BLADDER,#GROOM,#TOILET,#FEED,#TRANSF,#MOBIL,#DRESS,#STAIRS,#BATH)).
    COMPUTE BARTHEL = -1.
  ELSE IF (ANY(9,#BOWELS,#BLADDER,#GROOM,#TOILET,#FEED,#TRANSF,#MOBIL,#DRESS,#STAIRS,#BATH)).
    COMPUTE BARTHEL = -9.
  ELSE.
    COMPUTE BARTHEL =
SUM(#BOWELS,#BLADDER,#GROOM,#TOILET,#FEED,#TRANSF,#MOBIL,#DRESS,#STAIRS,#BATH).
  END IF.
END IF.
* GROUPED BARTHEL INDEX*.
RECODE BARTHEL (0 THRU 4 = 1)(5 THRU 8 = 2)(9 THRU 12 = 3)(13 THRU 20 = 4)(-1 = -1)(-9 = -9) INTO BARTGP.
RECODE BARTHEL (0 THRU 4 = 1)(5 THRU 8 = 2)(9 THRU 12 = 3)(13 THRU 16 = 4)(17 THRU 20 = 5)(-1 = -1)(-9 = -9) INTO BARTGP2.
* GROUPED 5-ITEM BARTHEL INDEX*.
DO IF (AGE LT 65).
  COMPUTE BARTHEL5 = -1.
ELSE IF (AGEOF GE 65).
  DO IF (ANY(-1,#TOILET,#TRANSF,#MOBIL,#STAIRS,#BATH)).
    COMPUTE BARTHEL5 = -1.
  ELSE IF (ANY(9,#TOILET,#TRANSF,#MOBIL,#STAIRS,#BATH)).
    COMPUTE BARTHEL5 = -9.
  ELSE.
    COMPUTE BARTHEL5 = SUM(#TOILET,#TRANSF,#MOBIL,#STAIRS,#BATH).
    COMPUTE BARTHEL5 = BARTHEL5*20/11.
  END IF.
END IF.
EXECUTE.

RECODE BARTHEL5 (12.5 THRU 20 = 4)(8.5 THRU 12.5 = 3)(4.5 THRU 8.5 = 2)(0 THRU 4.5 = 1)(-1 = -1)(-9 = -9)
INTO BART5GP.
```

```
RECODE BARTHEL5 (16.5 THRU 20 = 5)(12.5 THRU 16.5 = 4)(8.5 THRU 12.5 = 3)(4.5 THRU 8.5 = 2)
(0 THRU 4.5 = 1)(-1 = -1)(-9 = -9) INTO BART5GP2.
```

#### VARIABLE LABELS

```
BARTHEL "(D) Unmet need: Person's dep - Barthel Index of ADL"
BARTGP "(D) Unmet need: Person's dep - Barthel Index ADL, rec"
BARTGP2 "(D) Unmet need: Person's dep - Barthel Index ADL, rec 2"
BARTHEL5 "(D) Unmet need: Person's dep - Barthel 5 Item Index ADL"
BART5GP "(D) Unmet need: Person's dep - Bart 5 Item Ix ADL, rec"
BART5GP2 "(D) Unmet need: Person's dep - Bart 5 Itm Ix ADL, rec 2".
```

#### VALUE LABELS BARTGP

```
1 'Barthel scr 0-4'
2 'Barthel scr 5-8'
3 'Barthel scr 9-12'
4 'Barthel sc 13-20' /
```

#### BARTGP2

```
1 'Barthel scr 0-4'
2 'Barthel scr 5-8'
3 'Barthel scr 9-12'
4 'Barthel sc 13-16'
5 'Barthel sc 17-20' /
```

#### BART5GP

```
1 'Barthel scr 0-4'
2 'Barthel scr 5-8'
3 'Barthel scr 9-12'
4 'Barthel sc 13-20' /
```

#### BART5GP2

```
1 'Barthel scr 0-4'
2 'Barthel scr 5-8'
3 'Barthel scr 9-12'
4 'Barthel sc 13-16'
5 'Barthel sc 17-20'.
```

## RECHELP: (D) Received help with ADLs/IADLs in the last month

```
0 No
1 Yes
```

#### SPSS Syntax

```
COMPUTE RecHelp=-99.
IF helpADL=1 or helpIADL=1 rechelp=1.
IF helpADL=0 and helpIADL=0 rechelp=0.
IF RecHelp=-99 & any(-8, helpADL, helpIADL) RecHelp=-8.
IF RecHelp=-99 & helpADL=-1 RecHelp=-1.
VARIABLE LABELS rechelp "(D) Received help with ADLs/IADLs in the last month".
VALUE LABELS rechelp 0 "No " 1 "Yes".
```

## Formal help

## DHELPFOHC: (D) Home care worker helped with ADLs (tasks A-I)

```
0 No
1 Yes
```

#### SPSS Syntax

```
COMPUTE DhelffoHC=-99.
if any(1, hlpform01, hlpform10, hlpform19, hlpform28) DhelffoHC=1.
if DhelffoHC=-99 & helpADL=1 DhelffoHC=0.
if DhelffoHC=-99 & helpADL=0 DhelffoHC=-2.
if DhelffoHC=-99 & helpADL<0 DhelffoHC=helpADL.
if hlpform01=-8 & hlpform10=-8 & hlpform19=-8 & hlpform28=-8 DhelffoHC=-8.
EXECUTE.
VARIABLE LABELS DhelffoHC '(D) Home care worker helped with ADLs (tasks A-I)'.
VALUE LABELS DhelffoHC 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.
```

## DHELPFOOT: (D) Other formal helper, helped with ADL tasks (A-I)

```
0 No
1 Yes
```

#### SPSS Syntax

```
COMPUTE DhelffoOT=-99.
```

```

if (any(1,hlpform02, hlpform11, hlpform20, hlpform29) | any(1,hlpform03, hlpform12, hlpform21, hlpform30)
| any(1, hlpform04, hlpform13, hlpform22, hlpform31) |
  any(1,hlpform05, hlpform14, hlpform23, hlpform32) | any(1,hlpform06, hlpform15, hlpform24, hlpform33)
|
  any(1,hlpform07, hlpform16, hlpform25, hlpform34) | any(1,hlpform08, hlpform17, hlpform26, hlpform35))
DhelpfoOT=1.
if DhelfpoOT=-99 & helpADL=1 DhelfpoOT=0.
if DhelfpoOT=-99 & helpADL=0 DhelfpoOT=-2.
if DhelfpoOT=-99 & helpADL<0 DhelfpoOT=helpADL.
if hlpform02=-8 & hlpform11=-8 & hlpform20=-8 & hlpform29=-8 & hlpform03=-8 & hlpform12=-8 & hlpform21=-8
&
  hlpform30=-8 & hlpform04=-8 & hlpform13=-8 & hlpform22=-8 & hlpform31=-8 & hlpform05=-8 & hlpform14=-8
&
  hlpform23=-8 & hlpform32=-8 & hlpform06=-8 & hlpform15=-8 & hlpform24=-8 & hlpform33=-8 & hlpform07=-8
&
  hlpform16=-8 & hlpform25=-8 & hlpform34=-8 & hlpform08=-8 & hlpform17=-8 & hlpform26=-8 & hlpform35=-8
DhelpfoOT=-8.
EXECUTE.
VARIABLE LABELS DhelfpoOT '(D) Other formal helper helped with ADLs (tasks A-I)'.
VALUE LABELS DhelfpoOT 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

## DHELPFONO: (D) No formal helpers helped with ADLs (tasks A-I)

0 No  
1 Yes

### SPSS Syntax

```

COMPUTE DhelfpoNO=-99.
if any(1,hlpform09, hlpform18, hlpform27, hlpform36) & ~any(0,hlpform09, hlpform18, hlpform27, hlpform36)
& anyhlp=1 DhelfpoNO=1.
if DhelfpoNO=-99 & helpADL=1 DhelfpoNO=0.
if DhelfpoNO=-99 & helpADL=0 DhelfpoNO=-2.
if DhelfpoNO=-99 & helpADL<0 DhelfpoNO=helpADL.
IF hlpform09=-8 & hlpform18=-8 & hlpform27=-8 & hlpform36=-8 DhelfpoNO=-8.
EXECUTE.
VARIABLE LABELS DhelfpoNO '(D) No formal helpers helped with ADLs (tasks A-I)'.
VALUE LABELS DhelfpoNO 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

## DANYFO: (D) Any formal helper helped with ADLs (tasks A-I)

0 No formal helper  
1 Formal helper

### SPSS Syntax

```

COMPUTE DanyFo=-99.
IF any(1, DhelfpoHC, DhelfpoOT) DanyFo=1.
if DanyFo=-99 & helpADL=1 DanyFo= 0.
if DanyFo=-99 & helpADL=0 DanyFo=-2.
if DanyFo=-99 & helpADL<0 DanyFo=helpADL.
IF DhelfpoHC=-8 & DhelfpoOT=-8 DanyFo=-8.
var labels DanyFo '(D) Any formal helper helped with ADL tasks (A-I)'.
VALUE LABELS DanyFo 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

## DHELPHOHCi: (D) Home care worker helped with IADLs (tasks J-M)

0 No  
1 Yes

### SPSS Syntax

```

COMPUTE DhelfpoHCi=-99.
if (checkA2=2 & reheljbi~=1) DhelfpoHCi=-1.
if hlpform37=1 DhelfpoHCi=1.
if DhelfpoHCi=-99 & helpIADL=1 DhelfpoHCi=0.
if DhelfpoHCi=-99 & helpIADL=0 DhelfpoHCi=-2.
if DhelfpoHCi=-99 & helpIADL<0 DhelfpoHCi=helpIADL.
if hlpform37=-8 DhelfpoHCi=-8.
EXECUTE.
VARIABLE LABELS DhelfpoHCi '(D) Home care worker helped with IADLs (tasks J-M)'.
VALUE LABELS DhelfpoHCi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

## DHELFFOOTI: (D) Other formal helper helped with IADLs (tasks J-M)

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE DhelffoOTi=-99.
if (checkA2=2 & reheljbi~=1) DhelffoOTi=-1.
if any(1,hlpform38, hlpform39, hlpform40, hlpform41, hlpform42, hlpform43, hlpform44) DhelffoOTi=1.
if DhelffoOTi=-99 & helpIADL=1 DhelffoOTi=0.
if DhelffoOTi=-99 & helpIADL=0 DhelffoOTi=-2.
if DhelffoOTi=-99 & helpIADL<0 DhelffoOTi=helpIADL.
if hlpform38=-8 & hlpform39=-8 & hlpform40=-8 & hlpform41=-8 & hlpform42=-8 & hlpform43=-8 & hlpform44=-8
DhelffoOTi=-8.
EXECUTE.
VARIABLE LABELS DhelffoOTi '(D) Other formal helper helped with IADLs (tasks J-M)'.
VALUE LABELS DhelffoOTi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.
```

DHELPFONOI: (D) No formal helpers helped with IADLs (tasks J-M)

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE DhelffoNOi=-99.
if (checkA2=2 & reheljbi~=1) DhelffoNOi=-1.
if hlpform45=1 & anyhlp=1 DhelffoNOi=1.
if DhelffoNOi=-99 & helpIADL=1 DhelffoNOi=0.
if DhelffoNOi=-99 & helpIADL=0 DhelffoNOi=-2.
if DhelffoNOi=-99 & helpIADL<0 DhelffoNOi=helpIADL.
if hlpform45=-8 DhelffoNOi=-8.
EXECUTE.
VARIABLE LABELS DhelffoNOi '(D) No formal helpers helped with IADLs (tasks J-M)'.
VALUE LABELS DhelffoNOi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.
```

DANYFOI: (D) Any formal helper helped with IADL tasks (J-M)

0 No formal helper  
1 Formal helper

### SPSS Syntax

```
COMPUTE DanyFoi=-99.
if (checkA2=2 & reheljbi~=1) DanyFoi=-1.
IF any(1, DhelffoHci, DhelffoOTi) DanyFoi=1.
if DanyFoi=-99 & helpIADL=1 DanyFoi= 0.
if DanyFoi=-99 & helpIADL=0 DanyFoi=-2.
if DanyFoi=-99 & helpIADL<0 DanyFoi=helpIADL.
if DhelffoHci=-8 & DhelffoOTi=-8 DanyFoi=-8.
var labels DanyFoi '(D) Any formal helper helped with IADL tasks (J-M)'.
VALUE LABELS DanyFoi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.
```

## Informal help

DHELPINSP: (D) Spouse/ partner helped with ADLs (tasks A-I)

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE DhelpinSP=-99.
if any (1,hlpinf01, hlpinf12, hlpinf23, hlpinf34) DhelpinSP=1.
if DhelpinSP=-99 & helpADL=1 DhelpinSP=0.
if DhelpinSP=-99 & helpADL=0 DhelpinSP=-2.
if DhelpinSP=-99 & helpADL<0 DhelpinSP=helpADL.
if hlpinf01=-8 & hlpinf12=-8 & hlpinf23=-8 & hlpinf34=-8 DhelpinSP=-8.
EXECUTE.
VARIABLE LABELS DhelpinSP '(D) Spouse/partner helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinSP 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.
```

DHELPINSO: (D) Son helped with ADLs (tasks A-I)

0 No  
1 Yes

**SPSS Syntax**

```

COMPUTE DhelpinSO=-99.
if any (1,hlpinf02, hlpinf13, hlpinf24, hlpinf35) DhelpinSO=1.
if DhelpinSO=-99 & helpADL=1 DhelpinSO=0.
if DhelpinSO=-99 & helpADL=0 DhelpinSO=-2.
if DhelpinSO=-99 & helpADL<0 DhelpinSO=helpADL.
if hlpinf02=-8 & hlpinf13=-8 & hlpinf24=-8 & hlpinf35=-8 DhelpinSO=-8.
EXECUTE.
VARIABLE LABELS DhelpinSO '(D) Son helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinSO 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

**DHELPINDA: (D) Daughter helped with ADLs (tasks A-I)**

0 No  
1 Yes

**SPSS Syntax**

```

COMPUTE DhelpinDA=-99.
if any (1,hlpinf03, hlpinf14, hlpinf25, hlpinf36) DhelpinDA=1.
if DhelpinDA=-99 & helpADL=1 DhelpinDA=0.
if DhelpinDA=-99 & helpADL=0 DhelpinDA=-2.
if DhelpinDA=-99 & helpADL<0 DhelpinDA=helpADL.
if hlpinf03=-8 & hlpinf14=-8 & hlpinf25=-8 & hlpinf36=-8 DhelpinDA=-8.
EXECUTE.
VARIABLE LABELS DhelpinDA '(D) Daughter helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinDA 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

**DHELPINFN: (D) Friend or neighbour, ADLs (tasks A-I)**

0 No  
1 Yes

**SPSS Syntax**

```

COMPUTE DhelpinFN=-99.
if any (1,hlpinf09, hlpinf20, hlpinf31, hlpinf42) | any(1,hlpinf10, hlpinf21, hlpinf32, hlpinf43)
DhelpinFN=1.
if DhelpinFN=-99 & helpADL=1 DhelpinFN=0.
if DhelpinFN=-99 & helpADL=0 DhelpinFN=-2.
if DhelpinFN=-99 & helpADL<0 DhelpinFN=helpADL.
if hlpinf09=-8 & hlpinf20=-8 & hlpinf31=-8 & hlpinf42=-8 & hlpinf10=-8 & hlpinf21=-8 & hlpinf32=-8 &
hlpinf43=-8 DhelpinFN=-8.
EXECUTE.
VARIABLE LABELS DhelpinFN '(D) Freind/Neighbour helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinFN 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

**DHELPINOT: (D) Other family member helped with ADLs (tasks A-I)**

0 No  
1 Yes

**SPSS Syntax**

```

COMPUTE DhelpinOT=-99.
if (any(1,hlpinf04, hlpinf15, hlpinf26, hlpinf37) | any(1,hlpinf05, hlpinf16, hlpinf27, hlpinf38) | any(1,
hlpinf06, hlpinf17, hlpinf28, hlpinf39) |
any(1,hlpinf07, hlpinf18, hlpinf29, hlpinf40) | any(1,hlpinf08, hlpinf19, hlpinf30, hlpinf41) )
DhelpinOT=1.
if DhelpinOT=-99 & helpADL=1 DhelpinOT=0.
if DhelpinOT=-99 & helpADL=0 DhelpinOT=-2.
if DhelpinOT=-99 & helpADL<0 DhelpinOT=helpADL.
if hlpinf04=-8 & hlpinf15=-8 & hlpinf26=-8 & hlpinf37=-8 & hlpinf05=-8 & hlpinf16=-8 & hlpinf27=-8 &
hlpinf38=-8 & hlpinf06=-8 & hlpinf17=-8 &
hlpinf28=-8 & hlpinf39=-8 & hlpinf07=-8 & hlpinf18=-8 & hlpinf29=-8 & hlpinf40=-8 & hlpinf08=-8 &
hlpinf19=-8 & hlpinf30=-8 & hlpinf41=-8 DhelpinOT=-8.
EXECUTE.
VARIABLE LABELS DhelpinOT '(D) Other member of the family helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinOT 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

## DHELPINNO: (D) No informal helpers helped with ADLs (tasks A-I)

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE DhelpinNO=-99.  
if any(1,hlpinf11,hlpinf22, hlpinf33, hlpinf44) & ~any(0,hlpinf11,hlpinf22, hlpinf33, hlpinf44) & anyhlp=1  
DhelpinNO=1.  
if DhelpinNO=-99 & helpADL=1 DhelpinNO=0.  
if DhelpinNO=-99 & helpADL=0 DhelpinNO=-2.  
if DhelpinNO=-99 & helpADL<0 DhelpinNO=helpADL.  
if hlpinf11=-8 & hlpinf22=-8 & hlpinf33=-8 & hlpinf44=-8 DhelpinNO=-8.  
EXECUTE.  
VARIABLE LABELS DhelpinNO '(D) No informal helpers helped with ADLs (tasks A-I)'.  
VALUE LABELS DhelpinNO 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'
```

## DANYINF: (D) An informal helper helped with ADLs (tasks A-I)

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE DAnyInf=-99.  
if any(1, DhelpinSP, DhelpinSO, DhelpinDA, DhelpinOT, DhelpinFN) DAnyInf=1.  
if DAnyInf=-99 & helpADL=1 DAnyInf=0.  
if DAnyInf=-99 & helpADL=0 DAnyInf=-2.  
if DAnyInf=-99 & helpADL<0 DAnyInf=helpADL.  
if DhelpinSP=-8 & DhelpinSO=-8 & DhelpinDA=-8 & DhelpinOT=-8 & DhelpinFN=-8 DAnyInf=-8.  
EXECUTE.  
VARIABLE LABELS DAnyInf '(D) An informal helper helped with ADLs (tasks A-I)'.  
VALUE LABELS DAnyInf 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'
```

## DHELPINSPI: (D) Spouse/ partner helped with IADLs (tasks J-M)

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE DhelpinSPi=-99.  
if (checkA2=2 & recheljbi~=1) DhelpinSPi=-1.  
if DhelpinSPi=-99 & hlpinf45=1 DhelpinSPi=1.  
if DhelpinSPi=-99 & helpIADL=1 DhelpinSPi=0.  
if DhelpinSPi=-99 & helpIADL=0 DhelpinSPi=-2.  
if DhelpinSPi=-99 & helpIADL<0 DhelpinSPi=helpIADL.  
if hlpinf45=-8 DhelpinSPi=-8.  
EXECUTE.  
VARIABLE LABELS DhelpinSPi '(D) Spouse/partner helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelpinSPi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'
```

## DHELPINSOI: (D) Son helped with IADLs (tasks J-M)

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE DhelpinSOi=-99.  
if (checkA2=2 & recheljbi~=1) DhelpinSOi=-1.  
if hlpinf46=1 DhelpinSOi=1.  
if DhelpinSOi=-99 & helpIADL=1 DhelpinSOi=0.  
if DhelpinSOi=-99 & helpIADL=0 DhelpinSOi=-2.  
if DhelpinSOi=-99 & helpIADL<0 DhelpinSOi=helpIADL.  
if hlpinf46=-8 DhelpinSOi=-8.  
EXECUTE.  
VARIABLE LABELS DhelpinSOi '(D) Son helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelpinSOi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'
```

## DHELPINDAI: (D) Daughter helped with IADLs (tasks J-M)

0 No  
1 Yes

**SPSS Syntax**

```

COMPUTE DhelpinDAi=-99.
if (checkA2=2 & recheljbi~=1) DhelpinDAi=-1.
if hlpinf47=1 DhelpinDAi=1.
if DhelpinDAi=-99 & helpIADL=1 DhelpinDAi=0.
if DhelpinDAi=-99 & helpIADL=0 DhelpinDAi=-2.
if DhelpinDAi=-99 & helpIADL<0 DhelpinDAi=helpIADL.
if hlpinf47=-8 DhelpinDAi=-8.
EXECUTE.
VARIABLE LABELS DhelpinDAi '(D) Daughter helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinDAi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

**DHELPINFNI: (D) Friend or neighbour helped with IADL (tasks J-M)**

0 No  
1 Yes

**SPSS Syntax**

```

COMPUTE DhelpinFNI=-99.
if (checkA2=2 & recheljbi~=1) DhelpinFNI=-1.
if any (1, hlpinf53, hlpinf54) DhelpinFNI=1.
if DhelpinFNI=-99 & helpIADL=1 DhelpinFNI=0.
if DhelpinFNI=-99 & helpIADL=0 DhelpinFNI=-2.
if DhelpinFNI=-99 & helpIADL<0 DhelpinFNI=helpIADL.
if hlpinf53=-8 & hlpinf54=-8 DhelpinFNI=-8.
EXECUTE.
VARIABLE LABELS DhelpinFNI '(D) Friend/neighbour helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinFNI 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

**DHELPINOTI: (D) Other family member helped with IADLs (tasks J-M)**

0 No  
1 Yes

**SPSS Syntax**

```

COMPUTE DhelpinOTi=-99.
if (checkA2=2 & recheljbi~=1) DhelpinOTi=-1.
if any (1, hlpinf48, hlpinf49, hlpinf50, hlpinf51, hlpinf52) DhelpinOTi=1.
if DhelpinOTi=-99 & helpIADL=1 DhelpinOTi=0.
if DhelpinOTi=-99 & helpIADL=0 DhelpinOTi=-2.
if DhelpinOTi=-99 & helpIADL<0 DhelpinOTi=helpIADL.
if hlpinf48=-8 & hlpinf49=-8 & hlpinf50=-8 & hlpinf51=-8 & hlpinf52=-8 DhelpinOTi=-8.
EXECUTE.
VARIABLE LABELS DhelpinOTi '(D) Other family member helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinOTi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

**DHELPINNOI: (D) No informal helper helped with IADLs (tasks J-M)**

0 No  
1 Yes

**SPSS Syntax**

```

COMPUTE DhelpinNOi=-99.
if (checkA2=2 & recheljbi~=1) DhelpinNOi=-1.
if hlpinf55=1 DhelpinNOi=1.
if DhelpinNOi=-99 & helpIADL=1 DhelpinNOi=0.
if DhelpinNOi=-99 & helpIADL=0 DhelpinNOi=-2.
if DhelpinNOi=-99 & helpIADL<0 DhelpinNOi=helpIADL.
if hlpinf55=-8 DhelpinNOi=-8.
EXECUTE.
VARIABLE LABELS DhelpinNOi '(D) No informal helper helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinNOi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.

```

**DANYINFI: (D) Any informal helper helped with IADLs (tasks J-M)**

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE DAnyInfi=-99.
if (checkA2=2 & recheljbi~=1) Danyinfi=-1.
if any(1, DhelpinSPi, DhelpinSOi, DhelpinDAi, DhelpinOTi, DhelpinFNI) DAnyInfi=1.
if DAnyInfi=-99 & helpIADL=1 DAnyInfi=0.
if DAnyInfi=-99 & helpIADL=0 DAnyInfi=-2.
if DAnyInfi=-99 & helpIADL<0 DAnyInfi=helpIADL.
if DhelpinSPi=-8 & DhelpinSOi=-8 & DhelpinDAi=-8 & DhelpinOTi=-8 & DhelpinFNI=-8 DAnyInfi=-8.
EXECUTE.
VARIABLE LABELS DAnyInfi '(D) An informal helper helped with IADLs (tasks J-M)'.
VALUE LABELS DAnyInfi 1 'Yes' 0 'No' -8 'Refused' -2 'No help received' -1 'Not applicable'.
```

**DADLTYP: (D) Who provided ADL help (informal/ formal helpers, tasks A-I)**

- 1 Informal only
- 2 Formal only
- 3 Both informal and formal
- 4 None of these

### SPSS Syntax

```
COMPUTE DADLtyp=-99.
IF DanyInf=1 and DanyFo=0 DADLtyp=1.
IF DanyInf=0 and DanyFo=1 DADLtyp=2.
IF DanyInf=1 and DanyFo=1 DADLtyp=3.
IF DhelpinNO=1 and DhelpfoNO=1 DADLtyp=4.
IF DanyInf=-2 and DanyFo=-2 DADLtyp=-2.
IF DanyInf=-1 and DanyFo=-1 DADLtyp=-1.
IF ANY(-8, DanyInf, DanyFo) DADLtyp=-8.
VARIABLE LABELS DADLtyp '(D) Who provided ADL help (informal/formal helpers, tasks A-I)'.
VALUE LABELS DADLtyp
  1 'Informal only'
  2 'Formal only'
  3 'Both informal and formal'
  4 'None of these'
-8 'Refused'
-2 'No help received'
-1 'Not applicable'.
```

**DIADLTYP: (D) Who provided IADL help**

- 1 Informal only
- 2 Formal only
- 3 Both informal and formal
- 4 None of these

### SPSS Syntax

```
COMPUTE DIADLtyp=-99.
IF (checkA2=2 & recheljbi~=1) DIADLtyp=-1.
IF DIADLtyp=-99 & DanyInfi=1 and DanyFoi=0 DIADLtyp=1.
IF DIADLtyp=-99 & DanyInfi=0 and DanyFoi=1 DIADLtyp=2.
IF DIADLtyp=-99 & DanyInfi=1 and DanyFoi=1 DIADLtyp=3.
IF DIADLtyp=-99 & DhelpinNOi=1 and DhelpfoNOi=1 DIADLtyp=4.
IF DIADLtyp=-99 & DanyInfi=-2 and DanyFoi=-2 DIADLtyp=-2.
IF DIADLtyp=-99 & DanyInfi=-1 and DanyFoi=-1 DIADLtyp=-1.
IF ANY(-8, DanyInfi, DanyFoi) DIADLtyp=-8.
VARIABLE LABELS DIADLtyp '(D) Who provided IADL help (informal/formal helpers, tasks J-M)'.
VALUE LABELS DIADLtyp
  1 'Informal only'
  2 'Formal only'
  3 'Both informal and formal'
  4 'None of these'
-8 'Refused'
-2 'No help received'
-1 'Not applicable'.
```

## Patterns of care

**MOSTHLPC: (D) Person who provides most help (grouped)**

- 1 Spouse\Partner
- 2 Son



- 3 Daughter
- 4 Other family member
- 5 Friend\Neighbour
- 6 Homecare worker
- 7 Other formal helper
- 8 Don't know
- 1 Not applicable.

#### SPSS Syntax

```
NUMERIC MostHlpC (F3.0).
COMPUTE MostHlpC=-99.
EXECUTE.
RECODE cafdnl (1=1) (2 thru 4=2) (5 thru 7=3) (8 thru 20=4) (21 thru 26 =5) (27 thru 29=6) (30 thru 36=7)(else=-1) into MostHlpC.
If duration>0 & MostHlpC=-1 MostHlpC=-8.
VARIABLE LABELS MostHlpC '(D) Person who provides most help (grouped)'.
VALUE LABELS MostHlpC
  1 'Spouse\Partner'
  2 'Son'
  3 'Daughter'
  4 'Other family member'
  5 'Friend\Neighbour'
  6 'Homecare worker'
  7 'Other formal helper'
  -8 "Don't know"
  -1 'Not applicable'.
```

FREQHLP1: (D) How often help received last week from person who provided most help, (incl. no help)

- 1 Everyday
- 2 Four to six times
- 3 Two to three times
- 4 Once
- 5 No help received.

#### SPSS Syntax

```
NUMERIC FreqHlpM (F3.0).
COMPUTE FreqHlpM=-99.
RECODE lastwkl (ELSE=COPY) INTO FreqHlpM.
IF Ofthelp1>0 FreqHlpM=5.
VARIABLE LABELS FreqHlpM '(D) How often help received last week from person who provided most help, (incl. no help)'.
VALUE LABELS FreqHlpM
  1 'Everyday'
  2 'Four to six times'
  3 'Two to three times'
  4 'Once'
  5 'No help received'.
```

FREQHLP2: (D) Received help in the last week from person who provided most help, (incl. no help, binary)

- 8 Don't know
- 1 Not applicable
- 1 Yes, received help
- 2 No, did not receive.

#### SPSS Syntax

```
NUMERIC FreqHlpM2 (F3.0).
COMPUTE FreqHlpM2=-99.
EXECUTE.
RECODE FreqHlpM (1 thru 4=1) (5=2) (-8=-8) (else=-1) into FreqHlpM2.
VARIABLE LABELS FreqHlpM2 '(D) Received help in the last week from person who provided most help, (incl. no help, binary)'.
VALUE LABELS FreqHlpM2
  -8 "Don't know"
  -1 'Not applicable'
  1 'Yes, received help'
  2 'No, did not receive'.
```

## Payment for care

## LACARE: (D) Neither DP nor PB but LA care or no LA care

- 1 DP or PB
- 2 LA care
- 3 No LA care

### SPSS Syntax

```
COMPUTE lacare=-1.
IF havedp1=-8 and havedp2=-8 and havedp3=-8 lacare=-8.
IF persb=-8 lacare=-8.
IF havedp1=1 or persb=1 lacare=1.
IF havedp1=0 and persb=2 and havedp2=1 lacare=2.
IF havedp3=1 and persb=2 lacare=3.
variable labels lacare '(D) Neither DP nor PB but LA care or no LA care'.
val lab lacare
  1 'DP or PB'
  2 'LA care'
  3 'No LA care'.
```

## Carers time

### SPHR6: (D) Grouped spouse hours who helped (6 groups, 50+)

- 1 No help in the last week
- 2 <1 hour
- 3 1-9
- 4 10-19
- 5 20-49
- 6 50+

### SPHR10: (D) Grouped spouse hours who helped (4 groups, 10+)

- 1 No help in the last week
- 2 <1 hour
- 3 1-10
- 4 10 or more

### SPHR20: (D) Grouped spouse hours who helped (4 groups, 20+)

- 1 No help in the last week
- 2 <1 hour
- 3 1-19
- 4 20 or more

### SPSS Syntax

```
NUMERIC SPhr6 (F3.0).
COMPUTE SPhr6=-99.
EXECUTE.
RECODE HlpHrsi01g9 (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into SPhr6.
VARIABLE LABELS SPhr6 '(D) Grouped spouse hours who helped (6 groups, 50+)'.
VALUE LABELS SPhr6
  1 'No help'
  2 '<1 hour'
  3 '1-9'
  4 '10-19'
  5 '20-49'
  6 '50+'.

NUMERIC SPhr10 (F3.0).
COMPUTE SPhr10=-99.
EXECUTE.
RECODE HlpHrsi01g9 (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into SPhr10.
VARIABLE LABELS SPhr10 '(D) Grouped spouse hours who helped (4 groups, 10+)'.
VALUE LABELS SPhr10
  1 'No help'
  2 '<1 hour'
  3 '1-9'
  4 '10 or more'.

NUMERIC SPhr20 (F3.0).
COMPUTE SPhr20=-99.
EXECUTE.
RECODE HlpHrsi01g9 (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into SPhr20.
VARIABLE LABELS SPhr20 '(D) Grouped spouse hours who helped (4 groups, 20+)'.
VALUE LABELS SPhr20
  1 'No help'
  2 '<1 hour'
  3 '1-19'
```

SOHR6: (D) Grouped, hours of help provided by son who helped the most (6 groups, 50+)

- 1 No help
- 2 <1 hour
- 3 1-9
- 4 10-19
- 5 20-49
- 6 50+

SOHR10: (D) Grouped, hours of help provided by son who helped the most (4 groups, 10+)

- 1 No help
- 2 <1 hour
- 3 1-10
- 4 10 or more

SOHR20: (D) Grouped, hours of help provided by son who helped the most (4 groups, 20+)

- 1 No help
- 2 <1 hour
- 3 1-19
- 4 20 or more

SONHRS: (D) Grouped, hours of help provided by son who helped the most (9 groups)

- 1 No help
- 2 <1 hour
- 3 1-19
- 4 20 or more

SONMOST: (D) Grouped, son who provided the most hours of care

- 1 Son 1
- 2 Son 2
- 3 Son 3

#### SPSS Syntax

```

NUMERIC sohr6 (F3.0).
COMPUTE sohr6=-99.
EXECUTE.
RECODE sonhrs (1=1) (2=2) (3 thru 4=3) ( 5 =4) (6 thru 7=5)(8 thru 9=6)(else=-1) into sohr6.
VARIABLE LABELS sohr6 '(D) Grouped, hours of help provided in the last week by son who helped the most (6
groups, 50+)'.
VALUE LABELS sohr6
  1 'No help'
  2 '<1 hour'
  3 '1-9'
  4 '10-19'
  5 '20-49'
  6 '50+'.

NUMERIC sohr10 (F3.0).
COMPUTE sohr10=-99.
EXECUTE.
RECODE sonhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into sohr10.
VARIABLE LABELS sohr10 '(D) Grouped, hours of help provided in the last week by son who helped the most (4
groups, 10+)'.
VALUE LABELS sohr10
  1 'No help'
  2 '<1 hour'
  3 '1-9'
  4 '10 or more'.

NUMERIC sohr20 (F3.0).
COMPUTE sohr20=-99.
EXECUTE.
RECODE sonhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into sohr20.
VARIABLE LABELS sohr20 '(D) Grouped, hours of help provided in the last week by son who helped the most (4
groups, 20+)'.
VALUE LABELS sohr20
  1 'No help'
  2 '<1 hour'
  3 '1-19'
  4 '20 or more'.

NUMERIC Sonhrs (f3.0).
COMPUTE Sonhrs=MAX(HlpHrsI02g9, HlpHrsI03g9, HlpHrsI04g9).
VARIABLE LABELS Sonhrs '(D) Grouped, hours of help provided in the last week by the son who helped the
most (9 groups)'.

```

```

VALUE LABELS Sonhrs
-8 "Don't know"
-1 "Not applicable"
1 "No help in the last week"
2 "Less than one hour"
3 "1-4 hours"
4 "5-9 hours"
5 "10-19 hours"
6 "20-34 hours"
7 "35-49 hours"
8 "50-99 hours"
9 "100 hours or more".

NUMERIC sonmost (f3.0).
compute sonmost=-1.
if sonhrs=HlpHrsI04g9 sonmost=3.
if sonhrs=HlpHrsI03g9 sonmost=2.
if sonhrs=HlpHrsI02g9 sonmost=1.
VARIABLE LABELS sonmost '(D) Son who provided the most hours of care'.
VALUE LABELS sonmost
1 'Son 1'
2 'Son 2'
3 'Son 3'.

```

**DAHR6: (D) Grouped, hours of help provided by daughter who helped the most (6 groups, 50+)**

- 1 No help
- 2 <1 hour
- 3 1-9
- 4 10-19
- 5 20-49
- 6 50+

**DAHR10: (D) Grouped, hours of help provided by daughter who helped the most (4 groups, 10+)**

- 1 No help
- 2 <1 hour
- 3 1-10
- 4 10 or more

**DAHR20: (D) Grouped, hours of help provided by daughter who helped the most (4 groups, 20+)**

- 1 No help
- 2 <1 hour
- 3 1-19
- 4 20 or more

**DAHRS: (D) Grouped, hours of help provided by daughter who helped the most (9 groups)**

- 8 Don't Know
- 1 Not applicable
- 1 No help in the last week
- 2 Less than one hour
- 3 1-4 hours
- 4 5-9 hours
- 5 10-19 hours
- 6 20-34 hours
- 7 35-49 hours
- 8 50-99 hours
- 9 100 hours or more.

**DAMOST: (D) Grouped, daughter who provided the most hours of care**

- 1 Daughter 1
- 2 Daughter 2
- 3 Daughter 3

#### **SPSS Syntax**

```

NUMERIC dahr6 (F3.0).
COMPUTE dahr6=-99.
EXECUTE.
RECODE daughterhrs (1=1) (2=2) (3 thru 4=3) ( 5 =4) (6 thru 7=5)(8 thru 9=6)(else=-1) into dahr6.
VARIABLE LABELS dahr6 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (6 groups, 50+)'.
VALUE LABELS dahr6
1 'No help'
2 '<1 hour'
3 '1-9'
4 '10-19'
5 '20-49'

```

```

6 '50+'.

NUMERIC dahr10 (F3.0).
COMPUTE dahr10=-99.
EXECUTE.
RECODE daughterhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into dahr10.
VARIABLE LABELS dahr10 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (4 groups, 10+)'.
VALUE LABELS dahr10
  1 'No help'
  2 '<1 hour'
  3 '1-9'
  4 '10 or more'.

NUMERIC dahr20 (F3.0).
COMPUTE dahr20=-99.
EXECUTE.
RECODE daughterhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into dahr20.
VARIABLE LABELS dahr20 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (4 groups, 20+)'.
VALUE LABELS dahr20
  1 'No help'
  2 '<1 hour'
  3 '1-19'
  4 '20 or more'.

NUMERIC DAhrs (f3.0).
COMPUTE DAhrs=MAX(HlpHrsI05g9 , HlpHrsI06g9 , HlpHrsI07g9 ).
VARIABLE LABELS DAhrs '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (9 groups)'.
VALUE LABELS DAhrs
-8 "Don't Know"
-1 "Not applicable"
 1 "No help in the last week"
 2 "Less than one hour"
 3 "1-4 hours"
 4 "5-9 hours"
 5 "10-19 hours"
 6 "20-34 hours"
 7 "35-49 hours"
 8 "50-99 hours"
 9 "100 hours or more".

NUMERIC DAmost (f3.0).
compute damost=-1.
if dahr10=HlpHrsI07g9 damost=3.
if dahr20=HlpHrsI06g9 damost=2.
if dahr30=HlpHrsI05g9 damost=1.
VARIABLE LABELS damost '(D) Daughter who provided the most hours of care'.
VALUE LABELS damost
 1 'Daughter 1'
 2 'Daughter 2'
 3 'Daughter 3'..

```

OTHR6: (D) Grouped, hours of help provided in the last week by other family member who helped the most (6 groups, 50+)

- 1 No help
- 2 <1 hour
- 3 1-9
- 4 10-19
- 5 20-49
- 6 50+

OTHR10: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 10+)

- 1 No help
- 2 <1 hour
- 3 1-10
- 4 10 or more

OTHR20: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 20+)

- 1 No help
- 2 <1 hour
- 3 1-19
- 4 20 or more

OTHR6: (D) Grouped, hours of help provided in the last week by other family member who helped the most (9 groups)

- 8 Don't Know
- 1 Not applicable
- 1 No help in the last week
- 2 Less than one hour
- 3 1-4 hours
- 4 5-9 hours
- 5 10-19 hours
- 6 20-34 hours
- 7 35-49 hours
- 8 50-99 hours
- 9 100 hours or more.

OTMOST: (D) Other family member who provided most hours of care

- 1 Grandchild 1
- 2 Grandchild 2
- 3 Grandchild 3
- 4 Brother/sister 1
- 5 Brother/sister 2
- 6 Brother/sister 3
- 7 Niece/nephew 1
- 8 Niece/nephew 2
- 9 Niece/nephew 3
- 10 Parent
- 11 Other parent
- 12 Other family member

#### SPSS Syntax

```
NUMERIC othr6 (F3.0).
COMPUTE othr6=-99.
EXECUTE.
RECODE othrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into othr6.
VARIABLE LABELS othr6 '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (6 groups, 50+)'.
VALUE LABELS othr6
  1 'No help'
  2 '<1 hour'
  3 '1-9'
  4 '10-19'
  5 '20-49'
  6 '50+'.

NUMERIC othr10 (F3.0).
COMPUTE othr10=-99.
EXECUTE.
RECODE othrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into othr10.
VARIABLE LABELS othr10 '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (4 groups, 10+)'.
VALUE LABELS othr10
  1 'No help'
  2 '<1 hour'
  3 '1-9'
  4 '10 or more'.

NUMERIC othr20 (F3.0).
COMPUTE othr20=-99.
EXECUTE.
RECODE othrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into othr20.
VARIABLE LABELS othr20 '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (4 groups, 20+)'.
VALUE LABELS othr20
  1 'No help'
  2 '<1 hour'
  3 '1-19'
  4 '20 or more'.

NUMERIC Othrs(F3.0).
COMPUTE Othrs=MAX(HlpHrsI08g9, HlpHrsI09g9, HlpHrsI10g9, HlpHrsI11g9, HlpHrsI12g9, HlpHrsI13g9,
HlpHrsI15g9, HlpHrsI16g9, HlpHrsI17g9, HlpHrsI18g9, HlpHrsI19g9, HlpHrsI20g9 ).
VARIABLE LABELS Othrs '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (9 groups)'.
VALUE LABELS Othrs
-8 "Don't Know"
-1 "Not applicable"
1 "No help in the last week"
```

```

2 "Less than one hour"
3 "1-4 hours"
4 "5-9 hours"
5 "10-19 hours"
6 "20-34 hours"
7 "35-49 hours"
8 "50-99 hours"
9 "100 hours or more".

NUMERIC OtMost (F3.0).
compute otmost=-1.
if othrs=HlpHrsI20g9 otmost=12.
if othrs=HlpHrsI19g9 otmost=11.
if othrs=HlpHrsI18g9 otmost=10.
if othrs=HlpHrsI17g9 otmost=9.
if othrs=HlpHrsI16g9 otmost=8.
if othrs=HlpHrsI15g9 otmost=7.
if othrs=HlpHrsI13g9 otmost=6.
if othrs=HlpHrsI12g9 otmost=5.
if othrs=HlpHrsI11g9 otmost=4.
if othrs=HlpHrsI10g9 otmost=3.
if othrs=HlpHrsI09g9 otmost=2.
if othrs=HlpHrsI08g9 otmost=1.
if othrs=-1 otmost=-1.
VARIABLE LABELS Otmost '(D) Other family member who provided most hours of care'.
VALUE LABELS OTmost
  1 'Grandchild 1'
  2 'Grandchild 2'
  3 'Grandchild 3'
  4 'Brother/sister 1'
  5 'Brother/sister 2'
  6 'Brother/sister 3'
  7 'Niece/nephew 1'
  8 'Niece/nephew 2'
  9 'Niece/nephew 3'
 10 'Parent'
 11 'Other parent'
 12 'Other family member'.

```

**FNHR6: (D) Grouped, hours of help provided in the last week by other family member who helped the most (6 groups, 50+)**

- 1 No help
- 2 <1 hour
- 3 1-9
- 4 10-19
- 5 20-49
- 6 50+

**FNHR10: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 10+)**

- 1 No help
- 2 <1 hour
- 3 1-10
- 4 10 or more

**FNHR20: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 20+)**

- 1 No help
- 2 <1 hour
- 3 1-19
- 4 20 or more

**FNHRS: (D) Grouped, hours of help provided in the last week by other family member who helped the most (9 groups)**

- 8 Don't Know
- 1 Not applicable
- 1 No help in the last week
- 2 Less than one hour
- 3 1-4 hours
- 4 5-9 hours
- 5 10-19 hours
- 6 20-34 hours
- 7 35-49 hours
- 8 50-99 hours
- 9 100 hours or more.

## FNMOST: (D) Other family member who provided most hours of care

- 1 Friend 1
- 2 Friend 2
- 3 Friend 3
- 4 Neighbour 1
- 5 Neighbour 2
- 6 Neighbour 3

### SPSS Syntax

```
NUMERIC FNhr6 (F3.0).
COMPUTE FNhr6=-99.
EXECUTE.
RECODE FNhrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into FNhr6.
VARIABLE LABELS FNhr6 '(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (6 groups, 50+)'.
VALUE LABELS FNhr6
  1 'No help'
  2 '<1 hour'
  3 '1-9'
  4 '10-19'
  5 '20-49'
  6 '50+'.

NUMERIC FNhr10 (F3.0).
COMPUTE FNhr10=-99.
EXECUTE.
RECODE FNhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into FNhr10.
VARIABLE LABELS FNhr10 '(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 10+)'.
VALUE LABELS FNhr10
  1 'No help'
  2 '<1 hour'
  3 '1-10'
  4 '10 or more'.

NUMERIC FNhr20 (F3.0).
COMPUTE FNhr20=-99.
EXECUTE.
RECODE FNhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into FNhr20.
VARIABLE LABELS FNhr20 '(D)Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 20+)'.
VALUE LABELS FNhr20
  1 'No help'
  2 '<1 hour'
  3 '1-19'
  4 '20 or more'.

COMPUTE FNhrs=MAX(HlpHrsI21g9, HlpHrsI22g9, HlpHrsI23g9, HlpHrsI24g9, HlpHrsI25g9, HlpHrsI26g9 ).
VARIABLE LABELS FNhrs '(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (9 groups)'.
VALUE LABELS FNhrs
-8 "Don't Know"
-1 "Not applicable"
1 "No help in the last week"
2 "Less than one hour"
3 "1-4 hours"
4 "5-9 hours"
5 "10-19 hours"
6 "20-34 hours"
7 "35-49 hours"
8 "50-99 hours"
9 "100 hours or more".

NUMERIC FNmost (F3.0).
COMPUTE FNmost=-1.
if FNhrs=HlpHrsI26g9 FNmost=6.
if FNhrs=HlpHrsI25g9 FNmost=5.
if FNhrs=HlpHrsI24g9 FNmost=4.
if FNhrs=HlpHrsI23g9 FNmost=3.
if FNhrs=HlpHrsI22g9 FNmost=2.
if FNhrs=HlpHrsI21g9 FNmost=1.
IF FNhrs=-1 FNmost=-1.
VARIABLE LABELS FNmost 'Other friend or neighbour who provided most hours of care'.
VALUE LABELS FNmost
  1 'Friend 1'
  2 'Friend 2'
  3 'Friend 3'
  4 'Neighbour 1'
```



```
5 'Neighbour 2'  
6 'Neighbour 3'.
```

#### HCHR6: (D) Home care worker hours of help (grouped)

- 1 No help
- 2 <1 hour
- 3 1-9
- 4 10-19
- 5 20-49
- 6 50+

#### HCHR10: (D) Home care worker 10+ hours of help

- 1 No help
- 2 <1 hour
- 3 1-10
- 4 10 or more

#### HCHR20: (D) Home care worker 20+ hours of help

- 1 No help
- 2 <1 hour
- 3 1-19
- 4 20 or more

#### HCMOST: (D) Home care worker who gave most hours of care

- 1 Home care worker 1
- 2 Home care worker 2
- 3 Home care worker 3

#### HCHRS1: (D) Hours of help provided in the last week by home care worker who helped the most

- 1 Home care worker 1
- 2 Home care worker 2
- 3 Home care worker 3

#### HCHRS: (D) Grouped hours of help, for home care workers who helped the most

- 1 No help
- 2 <1 hour
- 3 1-4
- 4 5-9
- 5 10-19
- 6 20-34
- 7 35-49
- 8 50-99
- 9 100 hours or more.

#### SPSS Syntax

```
NUMERIC HCHr6 (F3.0).  
COMPUTE HCHr6=-99.  
EXECUTE.  
recode HCHrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6) (-8=-8)(else=-1) into HCHr6.  
Variable labels HCHr6 '(D) Home care worker hours of help (grouped)'.  
value labels HCHr6  
  1 'No help'  
  2 '<1 hour'  
  3 '1-9'  
  4 '10-19'  
  5 '20-49'  
  6 '50+'.  
  
NUMERIC HCHr10 (F3.0).  
COMPUTE HCHr10=-99.  
EXECUTE.  
recode HCHrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4) (-8=-8) (else=-1)into HCHr10.  
variable labels HCHr10 '(D) Home care worker 10+ hours of help'.  
value labels HCHr10  
  1 'No help'  
  2 '<1 hour'  
  3 '1-9'  
  4 '10 or more'.  
  
NUMERIC HCHr20 (F3.0).  
COMPUTE HCHr20=-99.  
EXECUTE.
```

```

recode HCHrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4) (-8=-8)(else=-1) into HCHr20.
variable labels HCHr20 '(D) Home care worker 20+ hours of help'.
value labels HCHr20
  1 'No help'
  2 '<1 hour'
  3 '1-19'
  4 '20 or more'.

COMPUTE HCmost=-1.
IF HCHrs1=Hrsform29 HCmost=3.
IF HCHrs1=Hrsform28 HCmost=2.
IF HCHrs1=Hrsform27 HCmost=1.
IF HCHrs1=-1 HCmost=-1.
VARIABLE LABELS HCmost '(D) Home care worker who gave most hours of care'.
VALUE LABELS HCmost
  1 'Home care worker 1'
  2 'Home care worker 2'
  3 'Home care worker 3'.

COMPUTE HCHrs1=MAX(Hrsform27, Hrsform28, Hrsform29).
VARIABLE LABELS HCHrs1 "(D) Hours of help provided in the last week by home care worker who helped the
most".
*COMPUTE HCmost=-1.
IF HCHrs1=Hrsform29 HCmost=3.
IF HCHrs1=Hrsform28 HCmost=2.
IF HCHrs1=Hrsform27 HCmost=1.
IF HCHrs1=-1 HCmost=-1.
VARIABLE LABELS HCmost '(D) Home care worker who gave most hours of care'.
VALUE LABELS HCmost
  1 'Home care worker 1'
  2 'Home care worker 2'
  3 'Home care worker 3'.

NUMERIC HCHrs (F3.0).
COMPUTE HCHrs=-99.
EXECUTE.
RECODE HCHrs1 (100 thru Hi=9) (50 thru 100=8) (35 thru 50=7) (20 thru 35=6) (10 thru 20=5) (5 thru 10=4)
(1 thru 5=3) (0.01 thru 1=2)(0=1)
(-8=-8) (else=-1) into HCHrs.
VARIABLE LABELS HCHrs '(D) Grouped hours of help, for home care worker who helped the most'.
value labels HCHrs
  1 'No help'
  2 '<1 hour'
  3 '1-4'
  4 '5-9'
  5 '10-19'
  6 '20-34'
  7 '35-49'
  8 '50-99'
  9 '100 hours or more'.

```

## Aids and equipment at home

Wh\_Equip2\_01: (D) Whether have bed lever or bed rail, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

Wh\_Equip2\_02: (D) Whether have toilet equipment or commode, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

Wh\_Equip2\_03: (D) Whether have hoist, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

Wh\_Equip2\_04: (D) Whether have outdoor railing, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

Wh\_Equip2\_05: (D) Whether have outdoor ramp, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

Wh\_Equip2\_06: (D) Whether have grab rail or stair rail, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

Wh\_Equip2\_07: (D) Whether have bath or shower seat, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

Wh\_Equip2\_08: (D) Whether have have had changes to kitchen, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

Wh\_Equip2\_09: (D) Whether have other equipment or adaptations, including those who had no types of equipment/adaptations.

- 0 Not mentioned
- 1 Mentioned

#### SPSS Syntax

```
NUMERIC WhEquip2_01 WhEquip2_02 WhEquip2_03 WhEquip2_04 WhEquip2_05 WhEquip2_06 WhEquip2_07 WhEquip2_08
WhEquip2_09 (F3.0).
DO REPEAT A= WhEquip01 WhEquip02 WhEquip03 WhEquip04 WhEquip05 WhEquip06 WhEquip07 WhEquip08 WhEquip09
/B=WhEquip2_01 WhEquip2_02 WhEquip2_03 WhEquip2_04 WhEquip2_05 WhEquip2_06 WhEquip2_07 WhEquip2_08 WhEquip2_09.
Compute B=A.
IF Equip2=2 B=0.
IF Equip2=-9 B=-9.
End repeat.
EXECUTE.
```

#### VARIABLE LABELS

WhEquip2\_01 "(D) Whether have bed lever or bed rail, including those who had no types of equipment/adaptations"  
WhEquip2\_02 "(D) Whether have toilet equipment or commode, including those who had no types of equipment/adaptations"  
WhEquip2\_03 "(D) Whether have hoist, including those who had no types of equipment/adaptations"  
WhEquip2\_04 "(D) Whether have outdoor railing, including those who had no types of equipment/adaptations"  
WhEquip2\_05 "(D) Whether have outdoor ramp, including those who had no types of equipment/adaptations"  
WhEquip2\_06 "(D) Whether have grab rail or stair rail, including those who had no types of equipment/adaptations"  
WhEquip2\_07 "(D) Whether have bath or shower seat, including those who had no types of equipment/adaptations"  
WhEquip2\_08 "(D) Whether have had changes to kitchen, including those who had no types of equipment/adaptations"  
WhEquip2\_09 "(D) Whether have other equipment or adaptations, including those who had no types of equipment/adaptations".

VALUE LABELS WhEquip2\_01 WhEquip2\_02 WhEquip2\_03 WhEquip2\_04 WhEquip2\_05 WhEquip2\_06 WhEquip2\_07 WhEquip2\_08  
WhEquip2\_09

1 "Mentioned"  
0 "Not mentioned"  
-1 "Not applicable"  
-9 "No answer/Refused".

NUMEQUIP: (D) Number of types equipment/adaptations provided or have.

- 0 None, of these types

AIDSEQUIP: (D) Whether have bed lever or bed rail, including those who had no types of equipment/adaptations.

- 0 Aids and equipment used
- 1 No aids and equipment used

#### SPSS Syntax

```
NUMERIC NumEquip (F3.0).
COUNT NumEquip=WhEquip01 WhEquip02 WhEquip03 WhEquip04 WhEquip05 WhEquip06 WhEquip07 WhEquip08 WhEquip09(1).
```

VARIABLE LABELS NumEquip "(D) Number of types equipment/adaptations provided or have".

VALUE LABELS NumEquip  
0 "None, of these types".

NUMERIC AidsEquip (F3.0).

COMPUTE AidsEquip=-99.

IF (any(senalarm,-8,-9) | any(stairlift,-8,-9) | any(equip2,-8,-9) | any(-8,WhEquip01, WhEquip02, WhEquip03, WhEquip04, WhEquip05, WhEquip06, WhEquip07, WhEquip08, WhEquip09) | any(-9,WhEquip01, WhEquip02, WhEquip03, WhEquip04, WhEquip05, WhEquip06, WhEquip07, WhEquip08, WhEquip09)) AidsEquip=-9.

IF SenAlarm=1 | StairLift=1 | any(1,WhEquip01, WhEquip02, WhEquip03, WhEquip04, WhEquip05, WhEquip06, WhEquip07, WhEquip08, WhEquip09)

AidsEquip=0.

IF SenAlarm=2 & Any(StairLift,2,3) & (ANY(Equip2,1,2) & NumEquip=0) AidsEquip=1.

IF RANGE(Age, 0, 64) AidsEquip=-1.

EXECUTE.

VARIABLE LABELS AidsEquip "(D) No Aids or specialist equipment used, binary".

VALUE LABELS AidsEquip

-9 "Refused/unknown"

-1 "Not applicable"

0 "Aids and Equipment used"

1 "No Aids and Equipment used"

# End of life

WHATILL\_OTH: (D) Type of illness they died from: other (incl HIV/AIDS, Heart attack due to small numbers).

- 0 Not mentioned
- 1 Mentioned

## SPSS Syntax

```
NUMERIC Whatill_Oth (F3.0).
COMPUTE Whatill_Oth=-99.
IF Whatill_8<>-1 Whatill_Oth=0.
IF ANY(1, Whatill_7, Whatill_8, Whatill_13) Whatill_Oth=1.
IF range(age,0,15) | any(TermILL,2,-9,-8) Whatill_Oth=-1.

VARIABLE LABELS Whatill_Oth "(D) Type of illness they died from: other (incl HIV/AIDS, Heart attack due to small numbers))".

VALUE LABELS Whatill_Oth
  1 "Yes"
  0 "No"
 -1 "Not applicable"
 -8 "Don't know"
 -9 "No answer/Refused".
```

WHEREIDIE2: (D) Where person died, grouping respondent's home.

- 1 Home of respondent
- 2 Home of person who died
- 3 Hospital
- 4 Hospice
- 5 Nursing care home
- 6 Residential care home
- 7 Other

## SPSS Syntax

```
NUMERIC Wherdie2 (F3.0).
COMPUTE Wherdie2=-99.
RECODE Wherdie (1,3=1) (4=3) (5=4) (6=5) (7=6) (8=7) (else=copy) into Wherdie2.

VARIABLE LABELS Wherdie2 "(D) Where person died, grouping respondent's home".

VALUE LABELS Wherdie2
  1 "Home of respondent"
  2 "Home of person who died"
  3 "Hospital"
  4 "Hospice"
  5 "Nursing care home"
  6 "Residential care home"
  7 "Other"
 -1 "Not applicable"
 -8 "Don't know"
 -9 "No answer/Refused".
```

DIEHOME: (D) Whether person died at home?

- 1 Yes
- 2 No

## SPSS Syntax

```
NUMERIC DieHome (F3.0).
COMPUTE DieHome=-99.
RECODE Wherdie (2,3=1) (4 thru 8=2)(ELSE=COPY) INTO DieHome.

VARIABLE LABELS DieHome "(D) Whether person died at home?".

VALUE LABELS DieHome
  1 "Yes"
  2 "No"
 -1 "Not applicable"
 -8 "Don't know"
 -9 "No answer/refused".
```

## Care Provided

---

EOLPERSC: (D) Level of personal care provided by respondent to person at end of life.

- 1 Daily
- 2 Occasional/intermittent
- 3 Rare
- 4 No care provided

EOLPERSC2: (D) Whether personal care was provided by respondent to person at end of life.

- 1 Yes
- 2 No

EOLPERSCTIM: (D) Period of personal care time provided for person at the end of life.

- 1 Days
- 2 Weeks
- 3 Months
- 4 More than a year
- 5 No care provided

EOLCARETP: (D) Type of care provided by respondent at end of life.

- 1 Personal care only
- 2 Other care only
- 3 Both personal and other care
- 4 No care provided

EOLCAREDLY: (D) Whether care (personal or other) provided daily.

- 1 Yes, care provided daily
- 2 No, care provided, but not daily
- 3 No care provided

### SPSS Syntax

```
NUMERIC EolPersC (F3.0).
COMPUTE EolPersC=-99.
RECODE CareInv (5=-8)(ELSE=COPY) INTO EolPersC.
EXECUTE.
VARIABLE LABELS EolPersC "(D) Level of personal care provided by respondent to person at end of life".
VALUE LABELS EolPersC
  1 "Daily"
  2 "Occasional/intermittent"
  3 "Rare"
  4 "No care provided"
-1 "Not applicable"
-8 "Don't know"
-9 "No answer/refused".

NUMERIC EolPersC2 (F3.0).
COMPUTE EolPersC2=-99.
RECODE EolPersC (1 thru 3=1) (4=2) (else=copy) into EolPersC2.
VARIABLE LABELS EolPersC2 "(D) Whether personal care was provided by respondent to person at end of life (binary)".
VALUE LABELS EolPersC2
  1 "Yes"
  2 "No"
-1 "Not applicable"
-8 "Don't know"
-9 "No answer/Refused".

NUMERIC EolPersCTim (F3.0).
COMPUTE EolPersCTim=LngCare.
IF CareInv=5 EolPersCTim=-9.
IF CareInv=4 EolPersCTim=5.
IF ANY(CareInv,-8,-9) EolPersCTim=-9.
VARIABLE LABELS EolPersCTim "(D) Period of personal care time respondent provided for person at the end of life".
VALUE LABELS EolPersCTim
  1 "Days"
  2 "Weeks"
  3 "Months"
  4 "More than a year"
  5 "No care provided"
-1 "Not applicable"
-9 "Don't know/Refused".
```

```

NUMERIC EolCareTp (F3.0).
COMPUTE EolCareTp=-99.
IF ANY(EolPersC,1,2,3) & EolOthC=4 EolCareTp=1.
IF ANY(EolOthC,1,2,3) & EolPersC=4 EolCareTp=2.
IF ANY(EolPersC,1,2,3) & ANY(EolOthC,1,2,3) EolCareTp=3.
IF EolPersC=4 & EolOthC=4 EolCareTp=4.
IF EolPersC=-1 & EolOthC=-1 EolCareTp=-1.
IF ANY(-8, EolPersC,EolOthC) | ANY(-9, EolPersC,EolOthC) EolCareTp=-9.
FREQ EolCareTp.
VARIABLE LABELS EolcareTp "(D) Type of care provided by respondent".
VALUE LABELS EolCareTp
1 "Personal care only"
2 "Other care only"
3 "Both personal and other care"
4 "No care provided"
-1 "Not applicable"
-9 "Don't know/Refused".

```

```

NUMERIC EoLCareDly (F3.0).
COMPUTE EoLCareDly=-99.
IF any(EolCareTp,1,3) & EolPersC=1 EoLCareDly=1.
IF any(EolCareTp,2,3) & EolOthC=1 EoLCareDly=1.
IF EoLCareDly=-99 & any(EolcareTp,1,3) & any(EolPersC,2,3) EoLCareDly=2.
IF EoLCareDly=-99 & any(EolcareTp,2,3) & any(EolOthC,2,3) EoLCareDly=2.
IF EoLCareDly=-99 & EolCareTp=4 EoLCareDly=3.
IF EoLCareDly=-99 & EolCareTp<0 EoLCareDly=EolCareTp.
VARIABLE LABELS EoLCareDly "(D) Whether care (personal or other) provided daily?".
VALUE LABELS EoLCareDly
1 "Yes, care provided daily"
2 "No, care provided, but not daily"
3 "No care provided"
-1 "Not applicable"
-9 "Don't know/Refused".

```

**EOLOTHC: (D) Level of other types of care provided by respondent to person at end of life.**

- 1 Daily
- 2 Occassional/intermittent
- 3 Rare
- 4 No care provided
- 5 Other

**EOLOTHC2: (D) Level of other types of care provided by respondent to person at end of life.**

- 1 Yes
- 2 No

**EOLOTHCTIM: (D) Level of other types of care provided by respondent to person at end of life.**

- 1 Days
- 2 Weeks
- 3 Months
- 4 More than a year
- 5 No care provided

#### **SPSS Syntax**

```

NUMERIC EolOthC (F2.0).
COMPUTE EolOthC=MaxHelp.
IF MaxHelp=5 EolOthC=-8.
IF Spehelp=2 EolOthC=4.
IF any(Spehelp,-8,-9) EolOthC=Spehelp.
VARIABLE LABELS EolOthC "(D) Level of other types of care provided by respondent to person at end of life".
VALUE LABELS EolOthC
1 "Daily"
2 "Occasional/Intermittent"
3 "Rare"
4 "No care provided"
5 "Other"
-1 "Not applicable"
-8 "Don't know"
-9 "No answer/Refused".

NUMERIC EolOthC2 (F3.0).
COMPUTE EolOthC2=-99.
RECODE EolOthC (1 thru 3=1) (4=2) (else=copy) into EolOthC2.
VARIABLE LABELS EolOthC2 "(D) Whether Other care was provided by respondent to person at end of life (binary)".

```

```

VALUE LABELS EolOthC2
  1 "Yes"
  2 "No"
-1 "Not applicable"
-8 "Don't know"
-9 "No answer/Refused".

NUMERIC EolOthCTim (F3.0).
COMPUTE EolOthCTim=Lnghelp .
IF MaxHelp=5 EolOthCTim=-9.
IF (SpeHelp=2 or MaxHelp=4) EolOthCTim=5.
IF any(Spehelp,-8,-9) | any(MaxHelp,-8,-9) EolOthCTim=-9.
VARIABLE LABELS EolOthCTim "(D) Period of other care time respondent provided for person at the end of life".
VALUE LABELS EolOthCTim
  1 "Days"
  2 "Weeks"
  3 "Months"
  4 "More than a year"
  5 "No care provided"
-1 "Not applicable"
-9 "Don't know/Refused".

```

**EOLCSERV: (D) Care services used for respondent and person at end of life.**

**SPSS Syntax**

```

NUMERIC EolCServ (F3.0).
COMPUTE EolCServ=-99.
IF Palcare=1 EolCServ=1.
IF CarServ=1 EolCServ=2.
IF Palcare=1 & CarServ=1 EolCServ=3.
IF Palcare=2 & CarServ=2 EolCServ=4.
IF any(Palcare,-8,-9) | any(CarServ,-8,-9) EolCServ=-9.
IF Palcare=-1 & CarServ=-1 EolCServ=-1.
VARIABLE LABELS EolCServ "(D) Care services used for respondent and person at end of life".
VALUE LABELS EolCServ
  1 "Used palliative care service only"
  2 "Used other care service only"
  3 "Used both palliative and other care services"
  4 "Used neither service"
-1 "Not applicable"
-9 "Don't know"

```