

**Health Survey for
England**

2018

**Dataset
documentation**

**Variable list
Derived variable syntax**

Health Survey for England

**Health, Social care
and Lifestyles**

2018

List of Variables

Version 2

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Introduction

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
Derived	A variable derived from other variables, and detailed in the Derived Variable Specification document

Classification

Household		
Variable	Description	Source
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
BEDROOMS6	(D) Number of bedrooms in household, 6+	Derived
PASSM	Does anyone smoke inside this house/flat on most days	Hhold
NUMSM	Number of people who smoke inside this house/flat on most days	Hhold
CAR	Whether car or van normally available	Hhold
NUMCARS	Number of cars normally available	Hhold
FINOUTC	Final outcome code	Hhold
HHSIZE6	(D) Household Size, 6+	Derived
NOFAd3	(D) Number of adults, top coded 3+	Derived*
NOFCh3	(D) Number of children, top coded 3+	Derived*

Intra-Household		
Variable	Description	Source
moth_activbR	(D) Female parent/guardian's activity status for last week - recoded	Derived*
moth_acutill	(D) Female parent/guardian's acute sickness last two weeks	Derived*
moth_age16g5R	(D) Female parent/guardian's age 16+, 5 year bands - recoded	Derived*
moth_bmivg52	(D) Female parent/guardian's valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if >200kg	Derived*
moth_cigst1	(D) Female parent/guardian's cigarette smoking status - Never/Ex-reg/Ex-occ/Current	Derived*
moth_d7unitwgrp	(D) Female parent/guardian's units drunk on heaviest day in last 7 days (16yrs+)	Derived*
moth_educendR	(D) Female parent/guardian's age finished continuous full-time education - recoded	Derived*
moth_mvpmwkg	(D) Female parent/guardian's IPAQ: Grouped Activity - 30 minutes or more Moderate/Vigorous-intensity minutes (MVPA) each week	Derived*
moth_porftvg15	(D) Female parent/guardian's grouped portions of fruit (inc.orange juice) & veg yesterday	Derived*
moth_topqual3R	(D) Female parent/guardian's Highest Educational Qualification - recoded	Derived*
moth_totalwug	(D) Female parent/guardian's alcohol units per week grouped	Derived*
moth_totalwug215	(D) Female parent/guardian's alcohol units per week - risk groups	Derived*
moth_totalwug315	(D) Female parent/guardian's alcohol units per week - not drunk in the last 12 months/lower risk/increased or higher risk	Derived*
moth_dnoftg	(D) Female parent/guardian's frequency drank any alcoholic drink - ever/never	Derived*
moth_bmivg3	(D) Female parent/guardian's BMI grouped - underweight and normal; overweight; obese and morbidly obese	Derived*
fath_activbR	(D) Male parent/guardian's activity status for last week - recoded	Derived*
fath_acutill	(D) Male parent/guardian's acute sickness last two weeks	Derived*
fath_age16g5R	(D) Male parent/guardian's age 16+, 5 year bands - recoded	Derived*
fath_bmivg52	(D) Male parent/guardian's valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if >200kg	Derived*
fath_cigst1	(D) Male parent/guardian's cigarette smoking status - Never/Ex-reg/Ex-occ/Current	Derived*
fath_d7unitwgrp	(D) Male parent/guardian's units drunk on heaviest day in last 7 days (16yrs+)	Derived*
fath_educendR	(D) Male parent/guardian's age finished continuous full-time education - recoded	Derived*
fath_mvpmwkg	(D) Male parent/guardian's IPAQ: Grouped Activity - 30 minutes or more Moderate/Vigorous-intensity minutes (MVPA) each week	Derived*
fath_porftvg15	(D) Male parent/guardian's grouped portions of fruit (inc.orange juice) & veg yesterday	Derived*
fath_topqual3R	(D) Male parent/guardian's Highest Educational Qualification - recoded	Derived*
fath_totalwug	(D) Male parent/guardian's alcohol units per week grouped	Derived*
fath_totalwug215	(D) Male parent/guardian's alcohol units per week - risk groups	Derived*
fath_totalwug315	(D) Male parent/guardian's alcohol units per week - not drunk in the last 12 months/lower risk/increased or higher risk	Derived*
fath_dnoftg	(D) Male parent/guardian's frequency drank any alcoholic drink - ever/never	Derived*

fath_bmivg3	(D) Male parent/guardian's BMI grouped - underweight and normal; overweight; obese and morbidly obese	Derived*
part_cigst1	(D) Partner's cigarette smoking status - Never/Ex-reg/Ex-occ/Current	Derived*
Fath_bmi	(D) Father's BMI - three groups (children aged 0-15)	Derived
Moth_bmi	(D) Mother's BMI - three groups (children aged 0-15)	Derived
fath_bmi2	(D) Father's BMI - two groups (children aged 0-15)	Derived
moth_bmi2	(D) Mother's BMI - two groups (children aged 0-15)	Derived
ParCigSt3	(D) Parent/ guardian's smoking status	Derived*

Individual

Variable	Description	Source
SERIALA ¹	Serial number of individual	Indiv
SEX	Sex	Hhold
INDOUT	Individual outcome codes	Indiv
Age35g ²	(D) Respondent age - grouped, approx 3 year bands for 0-15, 5 year bands 16+	Derived
Age16g5	(D) Age 16+, 5 year bands	Derived
ag16g10	(D) Age 16-75+ in ten year age bands	Derived
Ag015g4	(D) Age 2-15 in three groups	Derived

Admin

Variable	Description	Source
HSEYR	Year of survey	Derived
QRTINT	(D) Quarter of year of individual interview	Derived
INTDAYW	(D) Weekday of individual interview	Derived

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	SC: Booklet completed	Indiv
SCREC	Self-completion received	Indiv
SC3ACC1	SC: Completed independently	Indiv
SC3ACC2	SC: Assistance from other children	Indiv
SC3ACC3	SC: Assistance from other household member	Indiv
SC3ACC4	SC: 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 (for child 2-12, use codes 00 or 09 if possible)	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

¹ Individual and household serial numbers have been removed from the archived dataset and replaced with SerialA.

² Age in individual years has been removed from the archived dataset.

* Syntax for intra-household variables is not detailed in the DV specification

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
DEGREE1	Doctorate qualification	Indiv
DEGREE2	Masters qualification	Indiv
DEGREE3	Undergraduate or first degree qualification	Indiv
DEGREE4	Foundation qualification	Indiv
DEGREE5	Graduate membership or a professional institution qualification	Indiv
DEGREE6	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
Educ2	(D) Highest Educational Qualification	Derived

Employment Status

Variable	Description	Source
HRPSOC10B	(D) HRP: Sub-Major Group Standard Occupational Classification 2010	Derived
HRPSIC7b3	(D) HRP: Standard Industrial Classification 2007 (grouped)	Derived
HRPACTIV2	(D) HRP: Activity status for the last week - recoded	Derived
HRPSTWK	HRP: Any paid work in the last seven days, either as an employee or self-employed	Hhold
HRP4WKLK	HRP: Looking for paid work/govt scheme in last 4 weeks ending last Sunday	Hhold
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
HRPPAYAGR	(D) HRP: Age when last had a paid job - recoded	Derived
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 employed at place of work (including yourself)	Hhold
HRPSEMPR	(D) HRP: if self-employed do/did you have any employees? (Top coded)	Derived
SECTOR	HRP: Is organisation private sector, public sector or non-profit	Hhold
ACTIVB2	(D) Activity status for last week - recoded	Derived
STWORK	Any paid work in the last 7 days, either as an employee or self-employed	Indiv
WKLOOK4	Looking for paid work/govt scheme in last 4 weeks ending last Sunday	Indiv
WKSTRT2	If job or training scheme available, able to start within 2 weeks	Indiv
EVERJOB	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
PAYAGER	(D) Age when last had a paid job - recoded	Derived
FTPTIME	Whether working full-time or part-time	Indiv
EMPLOYE	Whether employee/self employed	Indiv
DIRCTR	Whether director of a limited company	Indiv
EMPSTAT	Whether a manager or foreman	Indiv
NEMPL	Number employed at place of work (including yourself)	Indiv
SNEMPLER	(D) If self-employed do/did you have any employees (Top coded)	Derived
ISECTOR	Is organisation private sector, public sector or non-profit	Indiv
SOC2010B	(D) Sub-Major Group Standard Occupational Classification 2010	Derived
SIC2007b3	(D) Standard Industrial Classification 2007 (grouped)	Derived
SCLASS	Registrar General's Social Class of individual (old scheme)	Indiv
NSSEC8	(D) NS-SEC 8 variable classification (individual) (includes students most recent job)	Derived
NSSEC5	(D) NS-SEC 5 variable classification (individual) (includes students most recent job)	Derived
NSSEC3	(D) NS-SEC 3 variable classification (individual) (includes students most recent job)	Derived
HPNSSEC8	(D) NS-SEC 8 variable classification (HRP) (includes students most recent job)	Derived
HPNSSEC5	(D) NS-SEC 5 variable classification (HRP) (includes students most recent job)	Derived
HPNSSEC3	(D) NS-SEC 3 variable classification (HRP) (includes students most recent job)	Derived

Ethnicity/Identity

Variable	Description	Source
ORIGIN2	(D) Grouped ethnic categories	Derived
RELIGSC	Religion (SC)	SC 16+
NATID1	National identity: English	Indiv
NATID2	National identity: Welsh	Indiv
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+

Income

Variable	Description	Source
SRCIN01d	Income: Earnings from employment or self-employment	Hhold
SRCIN02d	Income: State retirement pension	Hhold
SRCIN03d	Income: Pension from former employer	Hhold
SRCIN04d	Income: Personal pensions	Hhold
SRCIN05d	Income: Job-Seekers Allowance	Hhold
SRCIN06d	Income: Employment and Support Allowance	Hhold
SRCIN07d	Income: Income Support	Hhold
SRCIN08d	Income: Pension Credit	Hhold
SRCIN09d	Income: Working Tax Credit	Hhold
SRCIN10d	Income: Child Tax Credit	Hhold
SRCIN11d	Income: Child Benefit	Hhold
SRCIN12d	Income: Housing Benefit	Hhold
SRCIN13d	Income: Council Tax Benefit	Hhold
SRCIN14d	Income: Universal Credit	Hhold
SRCIN15d	Income: Other state benefits	Hhold
SRCIN16d	Income: Interest from savings and investments (e.g. stocks & shares)	Hhold
SRCIN17d	Income: Other kinds of regular allowance from outside your household (e.g. maintenance, student's grants, rent)	Hhold
OTHINC	Whether other income in household	Hhold
JNTINC2	(D) Joint household income - recoded	Derived
HHINC3	(D) Total household income - recoded	Derived
EQV3	(D) Equivalised Income Tertiles	Derived
EQV5	(D) Equivalised 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 Payment (PIP) - daily living component	Hhold
ATTDISB5	Disability allowance: Personal Independence Payment (PIP) - mobility component	Hhold
ATTDISB96	Disability allowance: None of these	Hhold

Nurse Admin

Variable	Description	Source
EligNurse	Whether eligible for nurse visit	Indiv
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

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
QRTNVIS	(D) Quarter of year of nurse visit interview	Derived
NURDAYW	(D) Weekday of nurse interview	Derived

Relationships

Variable	Description	Source
MARSTATD	(D) Marital status including cohabittees	Derived
COUPLE2	(D) Living with anyone in this household - grouped	Derived
LIVEWITH	Cohabitee	Hhold

Sample Info

Variable	Description	Source
SAMPTYPE	Sample type	Sample
URBAN14bR	(D) Rurality of dwelling unit (urban/rural 2011) - Binary - recoded	Derived
QIMD	(D) Quintile of IMD SCORE	Derived
GOR1	Government Office Region – numeric	Hhold
SHA	Strategic Health Authority (OSHLTHAU)	Hhold
PSU_SCR	Scrambled Sample point number	Hhold
CLUSTER195	Scrambled Stratification variable (195 strata)	Indiv
CLUSTER95	Scrambled Stratification variable (95 strata)	Indiv
CLUSTER48	Scrambled Stratification variable (48 strata)	Indiv

Weighting

Variable	Description	Source
WT_INT	HSE 2018 Weight for analysis of interview sample	Other
WT_SC	HSE 2018 Weight for analysis of core self completion sample	Other
WT_PROBGAM	HSE 2018 Weight for analysis of problem gambling sample	Other
WT_NURSE	HSE 2018 Weight for analysis of nurse sample	Other
WT_BLOOD	HSE 2018 Weight for analysis of blood sample	Other
WT_COTININE	HSE 2018 Weight for analysis of cotinine sample	Other

Anthropometric Measurements

Birth		
Variable	Description	Source
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	Form in which estimated height given	Indiv
NOHTBC	Reason for not obtaining height measurement	Indiv
RELHITE	Height measurement reliable	Indiv
HINREL	Reason height measurement is unreliable	Indiv
RESPWTS	Response to weight measurement	Indiv
MBOOKHT	Height cm or feet and inches	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	Weight measurement reliable	Indiv
MBookWt	Weight: Weight kg or stones and pounds	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
HtM17	Final measured height (cm)	Indiv
HTSR	Estimated height converted to cm	Indiv
WEIGHT	Weight (kg) - measured, inc unreliable measurements	Indiv
WTM17	Final measured weight (kg)	Indiv
WTSR	Estimated weight converted to kilograms	Indiv
WAIST1	Waist 1st measurement (cm)	Nurse
HIP1	Hip 1st measurement (cm)	Nurse
WAIST2	Waist 2nd measurement (cm)	Nurse
HIP2	Hip 2nd measurement (cm)	Nurse
WAIST3	Waist 3rd measurement (cm)	Nurse
HIP3	Hip 3rd measurement (cm)	Nurse
Estht2	(D) Final height - measured or estimated (cm)	Derived
Estwt2	(D) Final weight - measured or estimated (kg)	Derived
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
BMIOWGT	(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+) estimated weight if >130kg	Derived
BMIVG52	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) 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

BMI6grp	(D) Valid BMI (grouped:<18.5,18.5-23,23-25,25-27.5,27.5-30,30+) estimated weight if >200kg	Derived
BMIVG3	(D) BMI grouped - underweight and normal; overweight; obese and morbidly obese	Derived
BMIVG6	(D) BMI grouped with Obese categories I, II, III (excluding invalid waist measurements)	Derived
BMIVG8	(D) BMI in 8 categories	Derived
BMI_GROUP	(D) BMI grouped excluding underweight and combining obese and morbidly obese	Derived
BMIVGDR	(D) WHO diabetes risk category	Derived
BMICAT1	(D) BMI standards age 2-15 (85th/95th centile) updated 2008	Derived
BMICAT2	(D) BMI status age 2-15 (overweight inc. obese)	Derived
BMICAT3	(D) BMI status age 2-15 (non-obese vs obese)	Derived
WHVAL	(D) Valid mean waist/hip ratio	Derived
MENWHGP	(D) Male waist/hip ratio groups	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
RESPWH18	Response to waist/hip measurements (with extra code)	Nurse
YNOWH	Reason no waist/hip measurements	Nurse
WHOUTC	Waist Hip Outcome	Nurse
WHPNABM1	No waist/ hip: Respondent is in a wheelchair	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
PROBWST	Problems likely to increase or decrease waist measurement	Nurse
HJREL	Whether problems with hip measurement	Nurse
PROBHIP	Problems likely to increase or decrease hip 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

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 had a fit/convulsion in last five years	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: Current illness	Nurse
REFBSC5	Refused blood sample: Worried about HIV or Aids	Nurse
REFBSC6	Refused blood sample: Other reason	Nurse
SAMP TAK	Blood sample outcome	Nurse
SAMP ARM	Which arm blood was taken from	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 reason	Nurse
NOBSC1	No blood obtained: No suitable/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 reason	Nurse
GPSAM	Respondent 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 reason	Nurse
CONSTORB	Consent to store blood for future analysis	Nurse
SNDRSAM	Whether wants results of blood sample sent	Nurse
CHOLK2	(D) Response to Total Cholesterol sample	Derived
HDLOK2	(D) Response to HDL Cholesterol sample	Derived
GLYHBOK	(D) Response to Glycated haemoglobin sample	Derived

Measurements		
Variable	Description	Source
CHOLEST	Total cholesterol result (mmol/L)	Lab
CHOLQUAL	Total cholesterol serum quality	Lab
CHOLVAL3	(D) Valid Total Cholesterol result {post June 2015}	Derived
CHOLVAL13	(D) Valid Total Cholesterol result (incl those on LLD) {Post June 2015}	Derived
CHOLFOUR3	(D) Whether Total Cholesterol < 4 (incl those on LLD) {Post June 2015}	Derived
CHOLFIVE3	(D) Whether Total Cholesterol < 5 (incl those on LLD) {Post June 2015}	Derived
HDLCHOL	HDL Cholesterol result	Lab
HDLQUAL	HDL Cholesterol serum quality	Lab
HDLVAL3	(D) Valid HDL Cholesterol result {Post June 2015}	Derived
HDLVAL13	(D) Valid HDL Cholesterol result (incl those on LLD) {Post June 2015}	Derived
HDLONE3	(D) Whether HDL Cholesterol result <1 (incl those on LLD) {Post June 2015}	Derived
Raised	(D) Total cholesterol - raised, over 4.9 (mmol/L)	Derived
GLYHB	Glycated haemoglobin result (%)	Lab
GLHBQUAL	Glycated haemoglobin serum quality	Lab
GLYHBVAL2	(D) Valid Glycated haemoglobin result (%)	Derived
GLYHB3G2	(D) Glycated haemoglobin (%) 3 groups	Derived
GLYBHI2	(D) Raised Glycated haemoglobin (%)	Derived
IFCCA1	Glycated haemoglobin result (mmol/mol)	Lab
IFCCA1Q	Glycated haemoglobin serum quality (mmol/mol)	Lab
CHOLVALA	(D) Valid Total Cholesterol Result mmol/L (comparable with pre-2010 results)	Derived

CHOLVAL1A	(D) Valid Total Cholesterol Result mmol/L (incl those on LLD) (comparable with pre-2010 results)	Derived
CHOLFOURA	(D) Whether Total Cholesterol < 4 (incl those on LLD) {revised} (comparable with pre-2010 results)	Derived
CHOLFIVEA	(D) Whether Total Cholesterol < 5 (incl those on LLD) {revised} (comparable with pre-2010 results)	Derived
HDLVALA	(D) Valid HDL Cholesterol Result mmol/L (comparable with pre-2010 results)	Derived
HDLVAL1A	(D) Valid HDL Cholesterol Result mmol/L (incl those on LLD) (comparable with pre-2010 results)	Derived
HDLONEA	(D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised} (comparable with pre-2010 results)	Derived
GLYHBVALA	(D) Valid Glycated haemoglobin result (%) [comparable to pre-September 2013]	Derived
GLYHB3GA	(D) Glycated haemoglobin 3 groups (adjusted to be comparable with pre-September 2013)	Derived
GLYHBHIA	(D) Raised glycated haemoglobin (adjusted to be comparable with pre-September 2013)	Derived
IFFCVAL2	(D) Valid Glycated haemoglobin result in mmol/ml (IFFC)	Derived
IFFCVALA	(D) Valid Glycated haemoglobin result in mmol per ml (IFFC) (comparable with pre-September 2013)	Derived
iffcvalag4	(D) Glycated haemoglobin (mmol/mol) 4 groups	Derived

Blood Pressure

Admin		
Variable	Description	Source
BPOUTC	Outcome of blood pressure measurement	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	None of these in the 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	None of these 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
CUF SIZE	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
BPRESPC	(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 categories: all prescribed drugs for BP (Omron readings) {revised}	Derived
HYPER2OM2	(D) Hypertensive categories: all taking BP drugs (Omron readings) {revised}	Derived
HY140OM2	(D) Hypertensive categories: 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
Hyp	(D) Hypertensive untreated: all prescribed drugs for BP (Omron readings) {revised}	Derived
omsysvalg5	(D) SBP in 5 groups	Derived

Drinking

Adult General

Variable	Description	Source
WHYTT	Stopped drinking because of a particular health condition (Capi)	Indiv
DDRINKAG	Age had first alcoholic drink (SC)	SC YP
DNNOW	Whether drink nowadays (c+sc)	Indiv/SC YP
DNANY	Whether drinks occasionally or never drinks (c+sc)	Indiv/SC YP
DNEVR	Whether always non-drinker (c+sc)	Indiv/SC YP
DNOFT	Frequency drank any alcoholic drink last 12 mths (c+sc)	Indiv/SC YP
DNOFT3	(D) Frequency drunk alcohol in past 12 months: including non-drinkers (16yrs+)	Derived
DRINKYN	(D) Drunk 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 (Capi)	Indiv
WHICHDAY	Which day drank most in last 7 days (Capi)	Indiv
DRAMOUNT	Drink now compared to 5 years ago (Capi)	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 (Capi)	Indiv
NBRL72	Heaviest day normal beer: Small cans (Capi)	Indiv
NBRL73	Heaviest day normal beer: Large cans (Capi)	Indiv
NBRL74	Heaviest day normal beer: Bottles (Capi)	Indiv
NBERQHP7	Amount normal beer (half pints) on heaviest day (Capi)	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)	SC YP
NBERQBT7	Amount normal beer (bottles) on heaviest day (Capi)	Indiv
L7NCODEQ	Normal beer bottle size (pints) on heaviest day (Capi)	Indiv
SBRL71	Heaviest day strong beer: Half pints (Capi)	Indiv
SBRL72	Heaviest day strong beer: Small cans (Capi)	Indiv
SBRL73	Heaviest day strong beer: Large cans (Capi)	Indiv
SBRL74	Heaviest day strong beer: Bottles (Capi)	Indiv
SBERQHP7	Amount strong beer (half pints) on heaviest day (Capi)	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)	SC YP
SBERQBT7	Amount strong beer (bottles) on heaviest day (Capi)	Indiv
L7SCODEQ	Strong beer bottle size (pints) on heaviest day (Capi)	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) on heaviest day (Capi)	Indiv
POPSL7Q3	Amount of alcopops standard bottles (125ml) on heaviest day (Capi)	Indiv
POPSL7Q4	Amount of alcopops large bottles (700ml) on heaviest day (Capi)	Indiv
DP7SCAN	Amount of alcopops small cans on heaviest day in last 7 days (SC)	SC YP
DP7SBTL	Amount of alcopops small cans/bottles on heaviest day in last 7 days (SC)	SC YP
DP7LBTL	Amount of alcopops large bottles (700ml) on heaviest day in last 7 days (SC)	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	(D) Units of normal 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 (Capi)	Indiv
NBEERM1	12 months normal beer: Half pints (Capi)	Indiv
NBEERM2	12 months normal beer: Small cans (Capi)	Indiv
NBEERM3	12 months normal beer: Large cans (Capi)	Indiv
NBEERM4	12 months normal beer: Bottles (Capi)	Indiv
NBEERQ1	Amount of normal beer etc. usually drunk on any one day (half pints) (Capi)	Indiv
NBEERQ2	Amount of normal beer etc. usually drunk on any one day (small cans) (Capi)	Indiv
NBEERQ3	Amount of normal beer etc. usually drunk on any one day (large cans) (Capi)	Indiv
NBEERQ4	Amount of normal beer etc. usually drunk on any one day (bottles) (Capi)	Indiv
SBEER	Freq of drinking strong beer etc. over last 12 months (Capi)	Indiv
SBEERM1	12 months strong beer: Half pints (Capi)	Indiv
SBEERM2	12 months strong beer: Small cans (Capi)	Indiv
SBEERM3	12 months strong beer: Large cans (Capi)	Indiv
SBEERM4	12 months strong beer: Bottles (Capi)	Indiv
SBEERQ1	Amount of strong beer etc. usually drunk on any one day (half pints) (Capi)	Indiv
SBEERQ2	Amount of strong beer etc. usually drunk on any one day (small cans) (Capi)	Indiv
SBEERQ3	Amount of strong beer etc. usually drunk on any one day (large cans) (Capi)	Indiv
SBEERQ4	Amount of strong beer etc. usually drunk on any one day (bottles) (Capi)	Indiv
SPIRITS	Freq of drinking spirits over last 12 months (Capi)	Indiv
SPIRITSQ	Amount of spirits usually drunk on any one day (single measures) (Capi)	Indiv
SHERRY	Freq of drinking sherry over last 12 months (Capi)	Indiv
SHERRYQ	Amount of sherry usually drunk on any one day (small glasses) (Capi)	Indiv
WINE	Freq of drinking wine over last 12 months (Capi)	Indiv
WINEQ	Amount of wine usually drunk on any one day (Capi)	Indiv
BWINEQ2	Normal size of glass (Capi)	Indiv
POPS	Freq of drinking alcopops over last 12 months (Capi)	Indiv
POPSLY11	12 months alcopops: small cans (Capi)	Indiv
POPSLY12	12 months alcopops: standard bottles (275ml) (Capi)	Indiv
POPSLY13	12 months alcopops: large bottles (700ml) (Capi)	Indiv
POPSQ111	Amount of alcopops usually drunk on any one day (small cans) (Capi)	Indiv
POPSQ112	Amount of alcopops usually drunk on any one day (standard bottles) (Capi)	Indiv
POPSQ113	Amount of alcopops usually drunk on any one day (large bottles) (Capi)	Indiv
SCNBEER	Freq of drinking normal beer etc. over last 12 months (SC)	SC YP
SCNBEEQ1	Amount of normal beer etc. usually drunk (pints) (SC)	SC YP
SCNBEEQ2	Amount of normal beer etc. usually drunk (large cans or bottles) (SC)	SC YP
SCNBEEQ3	Amount of normal beer etc. usually drunk (small cans or bottles) (SC)	SC YP
SCSBEER	Freq of drinking strong beer etc. over last 12 months (SC)	SC YP
SCSBEEQ1	Amount of strong beer etc. usually drunk (pints) (SC)	SC YP
SCSBEEQ2	Amount of strong beer etc. usually drunk (large cans or bottles) (SC)	SC YP
SCSBEEQ3	Amount of strong beer etc. usually drunk (small cans or bottles) (SC)	SC YP
SCSPIRIT	Freq of drinking spirits over last 12 months (SC)	SC YP
SCSPIRQ	Amount of spirits usually drunk (glasses) (SC)	SC YP
SCSHERRY	Freq of drinking sherry over last 12 months (SC)	SC YP
SCSHERRQ	Amount of sherry usually drunk (glasses) (SC)	SC YP
SCWINE	Freq of drinking wine over last 12 months (SC)	SC YP
SCWINEQ1	Amount of wine usually drunk (large glasses) (SC)	SC YP
SCWINEQ2	Amount of wine usually drunk (standard glasses) (SC)	SC YP
SCWINEQ3	Amount of wine usually drunk (small glasses) (SC)	SC YP
SCWINEQ4	Amount of wine usually drunk (bottles) (SC)	SC YP
SCPOPS	Freq of drinking alcopops over last 12 months (SC)	SC YP
SCPOPSQ1	Amount of alcopops usually drunk (large bottles) (SC)	SC YP

SCPOPSQ2	Amount of alcopops usually drunk (standard bottles) (SC)	SC YP
SCPOPSQ3	Amount of alcopops usually drunk (small cans) (SC)	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
TOTALWUG215	(D) Alcohol units per week - risk groups (2016 guidelines for men)	Derived
TOTALWUG2	(D) Alcohol units per week grouped	Derived
ALCBASE	(D) Alcohol consumption rating units/week	Derived
ALCBSMT	(D) Alcohol consumption: men	Derived
ALCBSMT15	(D) Alcohol consumption: men (2016 guidelines)	Derived
ALCBSWT	(D) Alcohol consumption: women	Derived
MENWUG	(D) Weekly alcohol consumption: men	Derived
MENWUG15	(D) Weekly alcohol consumption: men (2016 guidelines)	Derived
MENWUGg2	(D) Weekly alcohol consumption for men, 3 groups	Derived
MENWUGg215	(D) Weekly alcohol consumption for men, 3 groups (2016 guidelines)	Derived
WOMENWUG	(D) Weekly alcohol consumption: women	Derived
WOMENWUGg2	(D) Weekly alcohol consumption for women, 3 groups	Derived

Children 8-15

Variable	Description	Source
ADRPROP	Ever had proper alcoholic drink (age 8-12, 13-15) (SC)	SC 8-15
ADRPOPS	Ever had alcopops (age 8-12, 13-15) (SC)	SC 8-15
ADRINKAG	Age had first alcoholic drink (age 8-12, 13-15) (SC)	SC 8-15
ADRINKOF	How often have alcoholic drink (age 8-12, 13-15) (SC)	SC 8-15
ADRLAST	When last had alcoholic drink (age 8-12, 13-15) (SC)	SC 8-15
AEVDRINK	(D) Ever had proper alcoholic drink, including alcopops	Derived

Children 13-15

Variable	Description	Source
ABER2W	Drunk beer in the last 7 days (age 13-15) (SC)	SC 13-15
ABER2QPT	Pints beer drunk in last 7 days (age 13-15) (SC)	SC 13-15
ABER2QLG	Large cans, bottles of beer drunk in last 7 days (age 13-15) (SC)	SC 13-15
ABER2QSM	Small cans, bottle of beer drunk in last 7 days (age 13-15) (SC)	SC 13-15
ASPIRW	Spirits or liqueurs drunk in last 7 days (age 13-15) (SC)	SC 13-15
ASPIRQGS	Glasses of spirits and liqueurs drunk in last 7 days (age 13-15) (SC)	SC 13-15
ASHERW	Sherry drunk in last 7 days (age 13-15) (SC)	SC 13-15
ASHERQGS	Glasses of sherry or martini drunk in last 7 days (age 13-15) (SC)	SC 13-15
AWINEW	Wine drunk in last 7 days (age 13-15) (SC)	SC 13-15
AWINEQGS	Glasses of wine drunk in last 7 days (age 13-15) (SC)	SC 13-15
APOPSW	Alcoholic 'pops' drinks in last 7 days (age 13-15) (SC)	SC 13-15
APOPSQLG	Large cans or bottles of alcoholic pops drinks in last 7 days (age 13-15) (SC)	SC 13-15
APOPSQSM	Small cans or bottles of alcoholic pops drinks in last 7 days (age 13-15) (SC)	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 - grouped (13-15yrs)	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

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	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
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
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
FRTDRY	Any dried fruit eaten yesterday	Indiv
FRTDRYQ	Number of tablespoons of dried fruit eaten yesterday	Indiv
FRTFRZ15	Any frozen fruit eaten yesterday	Indiv
FRTFRZQ15	Number of tablespoons of frozen fruit eaten yesterday	Indiv
FRTTIN	Any tinned fruit eaten yesterday	Indiv
FRTTINQ	Number of tablespoons of 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
PORFRZ15	(D) Portion of frozen fruit	Derived
PORTIND	(D) Portion of canned fruit	Derived
PORFDISH	(D) Portion of fruit in composites	Derived
VEGPOR	(D) Total portion of vegetables (inc.salad)	Derived
FRTPOR15	(D) Total portion of fruit	Derived
PORFV15	(D) Total portion of fruit and veg	Derived
PORFTVG15	(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
FRZYN15	(D) Any frozen fruit (binary)	Derived
TINYN	(D) Any canned fruit (binary)	Derived
PULYN	(D) Any pulses (binary)	Derived
JUICEYN	(D) Any fruit juice (binary)	Derived
SALYN	(D) Any salad (binary)	Derived
FVYN15	(D) Any fruit and vegetables (binary)	Derived
PORFV05B	(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
FRTTYN15	(D) Any fruit eaten. Fruit, dry, canned, frozen composites, incl juice (binary)	Derived
FRTTYN2B	(D) Any fruit eaten. Fruit, dry, canned, frozen composites excl juice, (binary)	Derived

Gambling

Gambling Activities		
Variable	Description	Source
GALA	Tickets for National Lottery Draw in last 12 months	SC 16+
GALB	Bought scratchcards in last 12 months	SC 16+
GALC	Tickets for other lottery in last 12 months	SC 16+
GALE	Football pools in last 12 months	SC 16+
GALD	Bingo cards or tickets (not online) in last 12 months	SC 16+
GALF	Fruit or slot machines in last 12 months	SC 16+
GALG	Virtual gaming machines in bookmakers in last 12 months	SC 16+
GALS	Table games in casino in last 12 months	SC 16+
GALH	Poker in pub tournament/league or club in last 12 months	SC 16+
GALJ	Online gambling (e.g. poker, bingo, instant win, casino games) in last 12 months	SC 16+
GALT	Online betting with bookmaker in last 12 months	SC 16+
GALU	Betting exchange in last 12 months	SC 16+
GALK	Betting on horse races (at bookmakers, by phone or at track) in last 12 months	SC 16+
GALLX	Betting on dog races (at bookmakers, by phone or at track) in last 12 months	SC 16+
GALM	Betting on sports events (at bookmakers, by phone or at venue) in last 12 months	SC 16+
GALN	Betting on other events (at bookmakers, by phone or at venue) in last 12 months	SC 16+
GALO	Spread-betting in last 12 months	SC 16+
GALP	Private betting/gambling with friends/family/colleagues in last 12 months	SC 16+
GALQ	Other form of gambling in last 12 months	SC 16+
GALFrq	Frequency of spending money on any of these (gambling) activities	SC 16+
ANYACTY	(D) Whether spent money on any gambling activity in last 12 months	Derived
NACTIVY	(D) Number of gambling activities participated in within last 12 months	Derived
NACTYGR	(D) Number of gambling activities participated in within last 12 months (grouped)	Derived
onlinegam	(D) Any online gambling activity other than National Lottery	Derived
NotLot	(D) Any gambling activity other than National Lottery	Derived

Problem Gambling

Variable	Description	Source
D1	When gamble, how often go back another day to win back money lost	SC 16+
D2	How often found self thinking about gambling	SC 16+
D3	Needed to gamble with more and more money to get excitement	SC 16+
D4	Felt restless or irritable when trying to cut down gambling	SC 16+
D5	Gambled to escape problems or when feeling depressed/anxious	SC 16+
D6	Lied to family or others to hide extent of gambling	SC 16+
D7	Made unsuccessful attempts to control/stop gambling	SC 16+
D8	Committed crime to finance gambling or pay gambling debts	SC 16+
D9	Risked or lost relationship, job, work opportunity because of gambling	SC 16+
D10	Asked others for money to help with desperate financial situation caused by gambling	SC 16+
DSM1	(D) Answer to DSM item 1	Derived
DSM2	(D) Answer to DSM item 2	Derived
DSM3	(D) Answer to DSM item 3	Derived
DSM4	(D) Answer to DSM item 4	Derived
DSM5	(D) Answer to DSM item 5	Derived
DSM6	(D) Answer to DSM item 6	Derived
DSM7	(D) Answer to DSM item 7	Derived
DSM8	(D) Answer to DSM item 8	Derived
DSM9	(D) Answer to DSM item 9	Derived
DSM10	(D) Answer to DSM item 10	Derived
DSMPROB	(D) Whether a DSM problem gambler	Derived
DSMSC	(D) DSM score	Derived
DSMTOTSC	(D) DSM total score (continuous)	Derived
P1	Bet more than could really afford to lose	SC 16+
P2	Needed to gamble with larger amounts to get same excitement	SC 16+
P3	Gone back to try to win back money lost	SC 16+
P4	Borrowed money or sold anything to get money to gamble	SC 16+
P5	Felt might have a problem with gambling	SC 16+
P6	Felt gambling caused health problems (incl stress/anxiety)	SC 16+
P7	Been criticised for betting, or told have a gambling problem	SC 16+
P8	Felt gambling caused financial problems for self or household	SC 16+
P9	Felt guilty about way gamble or what happens when gamble	SC 16+
PGSI1	(D) Answer to PGSI item 1	Derived
PGSI2	(D) Answer to PGSI item 2	Derived
PGSI3	(D) Answer to PGSI item 3	Derived
PGSI4	(D) Answer to PGSI item 4	Derived
PGSI5	(D) Answer to PGSI item 5	Derived
PGSI6	(D) Answer to PGSI item 6	Derived
PGSI7	(D) Answer to PGSI item 7	Derived
PGSI8	(D) Answer to PGSI item 8	Derived
PGSI9	(D) Answer to PGSI item 9	Derived
DSM1A	(D) Answer to DSM item 1 (scale)	Derived
DSM2A	(D) Answer to DSM item 2 (scale)	Derived
DSM3A	(D) Answer to DSM item 3 (scale)	Derived
DSM4A	(D) Answer to DSM item 4 (scale)	Derived
DSM5A	(D) Answer to DSM item 5 (scale)	Derived
DSM6A	(D) Answer to DSM item 6 (scale)	Derived
DSM7A	(D) Answer to DSM item 7 (scale)	Derived
DSM8A	(D) Answer to DSM item 8 (scale)	Derived
DSM9A	(D) Answer to DSM item 9 (scale)	Derived
DSM10A	(D) Answer to DSM item 10 (scale)	Derived
PGSISC	(D) PGSI score	Derived
PGSIPROB	(D) PGSI problem gambling score, grouped	Derived
PGSIGR2	(D) PGSI non problem/problem gambler	Derived
PROBGAM	(D) Whether a problem gambler according to either DSM OR PGSI	Derived
PROBGAM2	(D) Whether a problem gambler according to PGSI AND DSM	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
NCPREGJ	Whether pregnant	Nurse

EQ-5D		
Variable	Description	Source
Mobil17	General health today - Mobility	SC 16+
SelfCa17	General health today - Self-care	SC 16+
UsualA17	General health today - Usual activities	SC 16+
Pain17	General health today - Pain/discomfort	SC 16+
Anxiet17	General health today - Anxiety/depression	SC 16+
EQ_VAS17	Health today compared to best/worst imaginable	SC 16+
BestHealth3	(D) 11111 health status in 3 groups	Derived
BESTHEALTH2	(D) 11111 health status in 2 groups	Derived
Mobil17g3	(D) General health today - mobility - 3 groups	Derived
SelfCa17g3	(D) General health today - self-care - 3 groups	Derived
UsualA17g3	(D) General health today - usual activities - 3 groups	Derived
Pain17g3	(D) General health today - pain/discomfort - 3 groups	Derived
Anxiet17g3	(D) General health today - anxiety/depression - 3 groups	Derived

General Wellbeing		
Variable	Description	Source
SCSatis	Overall satisfaction with life nowadays	SC 16+
LifesatG	(D) Overall, how satisfied with life nowadays - grouped	Derived

GHQ		
Variable	Description	Source
GHQCONC	Able to concentrate	SC 13+
GHQSLEEP	Lost sleep over worry	SC 13+
GHQUSE	Felt playing useful part in things	SC 13+
GHQDECIS	Felt capable of making decisions	SC 13+
GHQSTRAI	Felt constantly under strain	SC 13+
GHQOVER	Felt could not overcome difficulties	SC 13+
GHQENJOY	Able to enjoy day-to-day activities	SC 13+
GHQFACE	Been able to face problems	SC 13+
GHQUNHAP	Been feeling unhappy and depressed	SC 13+
GHQCONFI	Been losing confidence in self	SC 13+
GHQWORTH	Been thinking of self as worthless	SC 13+
GHQHAPPY	Been feeling reasonably happy	SC 13+
ghq12scr	(D) GHQ Score - 12 point scale	Derived
GHQg2	(D) GHQ Score - grouped (0,1-3, 4+)	Derived
GHQ	(D) GHQ Binary	Derived

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
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
limitill	(D) Limiting longstanding illness	Derived
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 longlasting 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) Number of longstanding illnesses grouped	Derived
MENTALD	(D) Mental disorder as longlasting illness - 16+	Derived
compexp1	(D) Diabetes	Derived
compexp2	(D) Other endocrine/metabolic	Derived
compexp3	(D) Stroke/cerebral haemorrhage/cerebral thrombosis OR Ischaemic Heart Disease /heart attack/angina	Derived
compexp4	(D) Hypertension/high blood pressure/blood pressure(nes)	Derived
compexp5	(D) Other heart and circulatory problems	Derived
compexp6	(D) COPD – Chronic Obstructive Pulmonary Disease/ bronchitis/emphysema	Derived
compexp7	(D) Asthma	Derived
compexp8	(D) Hayfever and other respiratory complaints	Derived
compexp9	(D) Arthritis/rheumatism/fibrositis	Derived
compexp10	(D) Back problems/slipped disc/spine/neck	Derived
compexp11	(D) Other problems of bones/joints/muscles	Derived

Prescribed Medicines: Drugs affecting blood analytes/Other drugs

Variable	Description	Source
DIUR2	(D) Diuretics prescribed (Blood pressure) {revised}	Derived
BETA2	(D) Beta blockers prescribed (Blood pressure/Fibrinogen) {revised}	Derived
ACEINH2	(D) Ace inhibitors prescribed (Blood pressure) {revised}	Derived
CALCIUMB2	(D) Calcium blockers prescribed (Blood pressure) {revised}	Derived
OBPDRUG2	(D) Other prescribed drugs affecting BP {revised}	Derived
LIPID2	(D) Lipid lowering (Cholesterol/Fibrinogen) prescribed {revised}	Derived

IRON2	(D) Iron deficiency (Haemoglobin/Ferritin) prescribed {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
ANTIDIAB2	(D) Antidiabetic prescribed (binary)	Derived
ANTIBAC2	(D) Antibacterial medications prescribed (binary)	Derived

Prescribed Medicines: General

Variable	Description	Source
MEDCNJD	Whether taking medication	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
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
MEDTYP14	(D) Contraception taken?	Derived
NUMED	(D) Number of prescribed medicines taken (grouped 4+)	Derived
MEDSNUMG8	(D) Grouped number of prescribed medications reported- incl contraceptives & nicotine dependency drugs	Derived
MEDSNUM2G8	(D) Grouped number of prescribed medications reported (8 groups) - excl contraceptives & nicotine dependency drugs	Derived
MEDSTAKG8	(D) Grouped number of prescribed medications taken (8 groups)- incl contraceptives & nicotine dependency drugs	Derived
MEDSTAK2G8	(D) Number of prescribed medications taken in last 7 days (8 groups), excl contraceptives & nicotine dependency drugs	Derived
MedsTak2g3	(D) Number of medications taken in last 7 days in 3 groups (excluding contraceptives & nicotine dependency drugs)	Derived
CARDIOTAKG2	(D) Any prescribed cardiovascular medications taken in last 7 days (binary)	Derived
HYPERTAKG2	(D) Any prescribed antihypertensives taken in last 7 days, if has hypertension (binary)	Derived
LIPIDTAKG2	(D) Any prescribed lipid-lowering medications taken in last 7 days, (binary)	Derived
ANTIPLATAKG2	(D) Any prescribed antiplatelets taken in last 7 days, (binary)	Derived
ANALGTAKG2	(D) Any prescribed analgesics taken in last 7 days (binary)	Derived
PROTONTAKG2	(D) Any prescribed proton pump inhibitors taken in last 7 days (binary)	Derived
ANTIDEPTAKG2	(D) Any antidepressants taken in last 7 days (binary)	Derived
COPDTAKG2	(D) Any prescribed asthma or COPD medications taken in last 7 days (binary)	Derived
ANTIDIABTAKG2	(D) Any prescribed antidiabetic medications taken in last 7 days (binary)	Derived
ANTIBACTAKG2	(D) Any prescribed antibacterial medications taken in last 7 days (binary)	Derived
DIURTAKg2	(D) Any prescribed diuretic medications taken in last 7 days (binary)	Derived
NSAIDTAKg2	(D) Any prescribed NSAIDs medications taken in last 7 days (binary)	Derived
ACETAKg2	(D) Any prescribed ACE medications taken in last 7 days (binary)	Derived
METFORTAKg2	(D) Any prescribed Metformin medications taken in last 7 days (binary)	Derived
ANTIPSYTAKg2	(D) Any prescribed Antipsychotic medications taken in last 7 days (binary)	Derived
HYPNOTAKg2	(D) Any prescribed Hypnotics medications taken in last 7 days (binary)	Derived
MENHTAKg2	(D) Any prescribed mental health medications taken in last 7 days (binary)	Derived
HyperATakg2	(D) Any prescribed antihypertensives taken in last 7 days regardless of Hypertension (binary)	Derived
physTAKg2	(D) Any prescribed physical health medications taken in the last seven days (binary)	Derived
antiplatelet2	(D) Any antiplatelet meds in last 7 days (binary)	Derived

Self-Assessed Health

Variable	Description	Source
GENHELF	Self assessed general health	Indiv
GENHELF2	(D) Self assessed general health - grouped	Derived
GENHELF4	(D) Self assessed general health - four categories	Derived
NHSSAT	How satisfied or dissatisfied would you say you are with the way in which the NHS runs nowadays	Indiv

Personal Care Plans

Personal Care Plans

Variable	Description	Source
PlanAg	Whether health professional agreed a Personal Care Plan in last 12 months	Indiv
OffPlan	Whether talked about/been offered a Personal Care Plan in last 12 months	Indiv
CareImpr	Whether PCP has improved health and social care services received	Indiv

Cardiovascular disease

Blood Pressure

Variable	Description	Source
EverBP	Ever had high blood pressure (also known as hypertension)	Indiv
DocBP	Told by a doctor/nurse had high BP	Indiv
PregBP	Pregnant when told had high BP	Indiv
OthBP	High BP apart from when pregnant	Indiv
AgeBPg	(D) Age told had high BP (grouped)	Derived
bp1	(D) Doctor diagnosed high blood pressure (excluding pregnant)	Derived

Diabetes

Variable	Description	Source
EverDi	Ever had diabetes	Indiv
Diabetes	Told by a doctor had diabetes	Indiv
TypeD	Told by a doctor/nurse had Type I or Type II diabetes	Indiv
DiPreg	Pregnant when told had diabetes	Indiv
DiOth	Ever had diabetes apart from when pregnant	Indiv
DiageG	(D) Age when first told by a doctor had diabetes (grouped)	Derived
Insulin	Currently inject insulin for diabetes	Indiv
DiMed	Currently taking any medicines, tablets or pills 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
diabete3ra	(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised} [adjusted to be comparable to pre-September 2013]	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
diab3mmol	(D) Diabetes from blood sample (48+mmol/mol) or doctor diagnosis (excluding pregnancy-only diabetes)	Derived
diab3mmolg	(D) Total diabetes from blood sample or doctor diagnosis	Derived

Asthma

Asthma		
Variable	Description	Source
EVERW	Ever had wheezing or whistling in the chest	Indiv
NOCOL	Ever had wheezing or whistling when did not have a cold	Indiv
TWEWZ	Wheezing or whistling in the chest in the last 12 months	Indiv
CONDR	Doctor diagnosed asthma	Indiv
SYMAS	Asthma symptoms in the last 12 months or controlled by medication	Indiv
TRTMED1	Asthma treatment/medication: Steroid tablets	Indiv
TRTMED3	Asthma treatment/medication: Antibiotics	Indiv
TRTMED4	Asthma treatment/medication: Tablets, capsules or other liquid medicine to help bring up phlegm	Indiv
TRTMED5R	(D) Asthma treatment/medication: Other tablets or granules (including Theophylline tablets)	Derived
TRTMED6	Asthma treatment/medication: Inhalers	Indiv
TRTMED8R	(D) Asthma treatment/medication: Other treatment or medication (including Oxygen)	Derived
TRTMED9	Asthma treatment/medication: None of these	Indiv
SYMPWHZ12	(D) Wheezing in the last 12 months	Derived
SYMASS	(D) Self-reported current asthma, recoded into Yes/No	Derived
ASTHMA	(D) Asthma - 3 categories	Derived
ASYMPTOMS3	(D) Symptoms of asthma (adults and children), 3 categories	Derived
SYMPWHZ	(D) Symptoms of wheezing: with or without cold	Derived
CONTROL2	(D) Controlled/ uncontrolled asthma	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 (Capi)	Indiv
CIGARREG	How regularly smokes cigars (Capi)	Indiv
PIPENOWA	Currently smokes a pipe (Capi)	Indiv
CIGPIPENOW18	(D) Current user of cigars or pipes, 16+yrs (c+sc)	Derived
STARTSMK	Age when started smoking (Capi)	Indiv
DCIGAGE	Age first smoked a cigarette (YA SC)	SC YP
DRSMK12	Whether medical person ever advised to stop (Capi)	Indiv
SMKDAD	Whether father smoked when a child (c+sc)	Indiv/SC YP
SMKMUM	Whether mother smoked when 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
SHISHEVR	Ever smoked hookah or shisha (c+sc)	Indiv/SC YP

SHISHNW	Used hookah or shisha in last month (c+sc)	Indiv/SC YP
TOBEVER	Ever used non-smoked tobacco that you put in your mouth (c+sc)	Indiv/SC YP
TOBNOW	Used non-smoked tobacco that you put in your mouth in the last month (c+sc)	Indiv/SC YP
ECIGEVN	Ever used electronic cigarette or other vaping device (c+sc)	Indiv/SC YP
ECIGNW	Use e-cigarette or vaping device nowadays (c+sc)	Indiv/SC YP
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
EXPSMOK4	(D) Number of hours exposed to other people's smoke, grouped (c+sc)	Derived
PASSMOKE1	Regularly exposed to other people's smoke: At home (c+sc)	Indiv/SC YP
PASSMOKE2	Regularly exposed to other people's smoke: At work (c+sc)	Indiv/SC YP
PASSMOKE3	Regularly exposed to other people's smoke: In other people's homes (c+sc)	Indiv/SC YP
PASSMOKE4	Regularly exposed to other people's smoke: Travelling by car or van (c+sc)	Indiv/SC YP
PASSMOKE5	Regularly exposed to other people's smoke: Outdoor smoking areas of pubs/restaurants/cafes (c+sc)	Indiv/SC YP
PASSMOKE6	Regularly exposed to other people's smoke: In other places (c+sc)	Indiv/SC YP
PASSMOKE7	Regularly exposed to other people's smoke: No, none of these (c+sc)	Indiv/SC YP
PASSMKB	Does this bother you at all? (c+sc)	Indiv/SC YP
ECIGPASS	Regularly exposed to other people's e-cigarette or vaping device (c+sc)	Indiv/SC YP
ECIGBOTH	Does this bother you? (c+sc)	Indiv/SC YP
ECIGUSE	(D) E-cigarette or vaping device use (current use, not a current user but has used, never used)	Derived
ECIGUSE2	(D) E-cigarette or vaping device use - used/never used	Derived

Adult Current Smokers		
Variable	Description	Source
FIRSTCIG	How soon after waking does respondent smoke (Capi)	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 smoke (c+sc)	Indiv/SC YP
ROLLWK	Number of cigarettes hand rolled weekday (c+sc)	Indiv/SC YP
ROLLWE	Number of cigarettes hand rolled weekend day (c+sc)	Indiv/SC YP
SMOKPL1	Smoked in the last 7 days: At home, indoors (Capi)	Indiv
SMOKPL2	Smoked in the last 7 days: At home, outside, e.g. in garden or on doorstep (Capi)	Indiv
SMOKPL3	Smoked in the last 7 days: Outside in the street, or out and about (Capi)	Indiv
SMOKPL4	Smoked in the last 7 days: Outside at work (Capi)	Indiv
SMOKPL5	Smoked in the last 7 days: Outside at other people's homes (Capi)	Indiv
SMOKPL6	Smoked in the last 7 days: Outside pubs, bars, restaurants or shops (Capi)	Indiv
SMOKPL7	Smoked in the last 7 days: In public parks (Capi)	Indiv
SMOKPL8	Smoked in the last 7 days: Inside other people's homes (Capi)	Indiv
SMOKPL9	Smoked in the last 7 days: While travelling by car (Capi)	Indiv
SMOKPL10	Smoked in the last 7 days: Inside other places (Capi)	Indiv
SMNODAY	Ease of going without cigarettes for a day (Capi)	Indiv
GIVUPSK	Like to give up smoking (c+sc)	Indiv/SC YP
WHNSTPSK	Intention to stop smoking (c+sc)	Indiv/SC YP
SERQT	Ever made a serious attempt to stop smoking completely (c+sc)	Indiv/SC YP
QUITNUM	Number of attempts made to stop smoking in last 12 months (c+sc)	Indiv/SC YP
WHYGVUP1	Main reasons for wanting to give up smoking: Better for health (c+sc)	Indiv/SC YP
WHYGVUP2	Main reasons for wanting to give up smoking: Financial reasons/can't afford it (c+sc)	Indiv/SC YP
WHYGVUP3	Main reasons for wanting to give up smoking: Family/friends want me to stop (c+sc)	Indiv/SC YP
WHYGVUP4	Main reasons for wanting to give up smoking: Worried about the effect on other people (c+sc)	Indiv/SC YP
WHYGVUP5	Main reasons for wanting to give up smoking: Something else (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
ECIGSTRT	When first started to use e-cigarettes or vaping devices (c+sc)	Indiv/SC YP
ECIGFREQ	How often used e-cigarette or vaping device in last month (c+sc)	Indiv/SC YP
ECIGFIRST	How soon after waking usually have first e-cigarette or vape of the day (c+sc)	Indiv/SC YP
ECIGWE	How many times use e-cigarette or vaping device on typical weekday (c+sc)	Indiv/SC YP
ECIGTIWE	Total time spend using e-cigarette or vaping device on typical weekday (c+sc)	Indiv/SC YP
ECIGWKD	How many times use e-cigarette or vaping device on typical Saturday or Sunday (c+sc)	Indiv/SC YP
ECIGTIWKD	Total time spend using e-cigarette or vaping device on typical Saturday or Sunday (c+sc)	Indiv/SC YP

DECIGTYP2	Type of e-cigarette or vaping device mainly use (sc recoded)	SC YP
ECIGTYPE	Type of e-cigarette or vaping device mainly use (c+sc)	Indiv/SC YP
ECIGSTRG	Strength of e-cigarette cartridge typically use (c+sc)	Indiv/SC YP
ECIGSTP	Would you like to give up using e-cigarettes or vaping altogether (c+sc)	Indiv/SC YP
WHCHFRST	Regularly smoking tobacco cigarettes before or after first trying e-cigarettes/vaping devices (Capi)	Indiv
WHCHFRSTSC	Regularly smoked tobacco cigarettes before first trying e-cigarettes/vaping devices (SC)	SC YP

Adult Ex-Smokers

Variable	Description	Source
QUITREAS1	Decided to give up smoking: For health reasons (c+sc)	Indiv/SC YP
QUITREAS2	Decided to give up smoking: Pregnancy (c+sc)	Indiv/SC YP
QUITREAS3	Decided to give up smoking: Financial reasons/couldn't afford it (c+sc)	Indiv/SC YP
QUITREAS4	Decided to give up smoking: Family/friends wanted me to stop (c+sc)	Indiv/SC YP
QUITREAS5	Decided to give up smoking: Worried about effect on other people (c+sc)	Indiv/SC YP
QUITREAS6	Decided to give up smoking: Own motivation (c+sc)	Indiv/SC YP
QUITREAS7	Decided to give up smoking: Something else (c+sc)	Indiv/SC YP
QUITREAS8	Decided to give up smoking: Cannot remember (c+sc)	Indiv/SC YP
CIGREG	How frequently used to smoke (c+sc)	Indiv/SC YP
ENDSMOKG	(D) How long ago stopped smoking cigarettes (grouped years)	Derived
SMOKYRSG	(D) Number of years smoked for (grouped)	Derived

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 mouth spray (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
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 mouth spray (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
HLPQUIT1	Nicotine replacement product used to help stop smoking: Nicotine chewing gum (c+sc)	Indiv/SC YP
HLPQUIT2	Nicotine replacement product used to help stop smoking: Nicotine lozenges (c+sc)	Indiv/SC YP
HLPQUIT3	Nicotine replacement product used to help stop smoking: Nicotine patch (c+sc)	Indiv/SC YP
HLPQUIT4	Nicotine replacement product used to help stop smoking: Nicotine inhaler (c+sc)	Indiv/SC YP
HLPQUIT5	Nicotine replacement product used to help stop smoking: Nicotine mouth spray (c+sc)	Indiv/SC YP
HLPQUIT6	Nicotine replacement product used to help stop smoking: Nicotine nasal spray (c+sc)	Indiv/SC YP
HLPQUIT7	Nicotine replacement product used to help stop smoking: Another nicotine product (c+sc)	Indiv/SC YP
HLPQUIT8	Nicotine replacement product used to help stop smoking: Electronic cigarette (c+sc)	Indiv/SC YP
HLPQUIT9	Nicotine replacement product used to help stop smoking: None of these (c+sc)	Indiv/SC YP
NRCUT1	Nicotine replacement product currently used to cut down the amount smoked: Nicotine chewing gum (c+sc)	Indiv/SC YP
NRCUT2	Nicotine replacement product currently used to cut down the amount smoked: Nicotine lozenges (c+sc)	Indiv/SC YP
NRCUT3	Nicotine replacement product currently used to cut down the amount smoked: Nicotine patch (c+sc)	Indiv/SC YP
NRCUT4	Nicotine replacement product currently used to cut down the amount smoked: Nicotine inhaler (c+sc)	Indiv/SC YP
NRCUT5	Nicotine replacement product currently used to cut down the amount smoked: Nicotine mouth spray (c+sc)	Indiv/SC YP
NRCUT6	Nicotine replacement product currently used to cut down the amount smoked: Nicotine nasal spray (c+sc)	Indiv/SC YP

NRCUT7	Nicotine replacement product currently used to cut down the amount smoked: Another nicotine product (c+sc)	Indiv/SC YP
NRCUT8	Nicotine replacement product currently used to cut down the amount smoked: Electronic cigarette (c+sc)	Indiv/SC YP
NRCUT9	Nicotine replacement product currently used to cut down the amount smoked: None of these (c+sc)	Indiv/SC YP
NRBAN1	Nicotine replacement product used in situations where not allowed to smoke: Nicotine chewing gum (c+sc)	Indiv/SC YP
NRBAN2	Nicotine replacement product used in situations where not allowed to smoke: Nicotine lozenges (c+sc)	Indiv/SC YP
NRBAN3	Nicotine replacement product used in situations where not allowed to smoke: Nicotine patch (c+sc)	Indiv/SC YP
NRBAN4	Nicotine replacement product used in situations where not allowed to smoke: Nicotine inhaler (c+sc)	Indiv/SC YP
NRBAN5	Nicotine replacement product used in situations where not allowed to smoke: Nicotine mouth spray (c+sc)	Indiv/SC YP
NRBAN6	Nicotine replacement product used in situations where not allowed to smoke: Nicotine nasal spray (c+sc)	Indiv/SC YP
NRBAN7	Nicotine replacement product used in situations where not allowed to smoke: Another nicotine product (c+sc)	Indiv/SC YP
NRBAN8	Nicotine replacement product used in situations where not allowed to smoke: Electronic cigarette (c+sc)	Indiv/SC YP
NRBAN9	Nicotine replacement product used in situations where not allowed to smoke: None of these (c+sc)	Indiv/SC YP
NRQUIT1	Ever used nicotine replacement products to help stop smoking during serious quit attempt: Nicotine chewing gum (c+sc)	Indiv/SC YP
NRQUIT2	Ever used nicotine replacement products to help stop smoking during serious quit attempt: Nicotine lozenges (c+sc)	Indiv/SC YP
NRQUIT3	Ever used nicotine replacement products to help stop smoking during serious quit attempt: Nicotine patch (c+sc)	Indiv/SC YP
NRQUIT4	Ever used nicotine replacement products to help stop smoking during serious quit attempt: Nicotine inhaler (c+sc)	Indiv/SC YP
NRQUIT5	Ever used nicotine replacement products to help stop smoking during serious quit attempt: Nicotine mouth spray (c+sc)	Indiv/SC YP
NRQUIT6	Ever used nicotine replacement products to help stop smoking during serious quit attempt: Nicotine nasal spray (c+sc)	Indiv/SC YP
NRQUIT7	Ever used nicotine replacement products to help stop smoking during serious quit attempt: Another nicotine product (c+sc)	Indiv/SC YP
NRQUIT8	Ever used nicotine replacement products to help stop smoking during serious quit attempt: Electronic cigarette (c+sc)	Indiv/SC YP
NRQUIT9	Ever used nicotine replacement products to help stop smoking during serious quit attempt: None of these (c+sc)	Indiv/SC YP
NDPNOW	(D) Current use of E-cigarettes and/or NDPs, 16+yrs (c+sc)	Derived
NDPEVRC	(D) Ever or current use of E-cigarettes and/or NDPs, 16+yrs (c+sc)	Derived

Children General

Variable	Description	Source
EXPSMOK2	(D) Children's self reported exposure to other people's smoke, 0-15yrs, 4 groups, (c+sc)	Derived
CHEXPSM	Whether child carer smokes (0-12s) (Capi)	Indiv
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)	SC 8-15
ANRSM202	Often near people who smoke: In other people's homes(SC)	SC 8-15
ANRSM203	Often near people who smoke: In a car (SC)	SC 8-15
ANRSM204	Often near people who smoke: In the street (SC)	SC 8-15
ANRSM205	Often near people who smoke: Outdoor areas of pubs/cafes/restaurants (SC)	SC 8-15
ANRSM206	Often near people who smoke: Park/playing fields (SC)	SC 8-15
ANRSM207	Often near people who smoke: Public places unspecified (SC)	SC 8-15
ANRSM208	Often near people who smoke: School (SC)	SC 8-15
ANRSM209	Often near people who smoke: In other places (SC)	SC 8-15
ANRSM297	Often near people who smoke: No, none of these (SC)	SC 8-15

ASMKBTHR	Does this bother you (SC)	SC 8-15
KCIGREGG	(D) Frequency of cigarette smoking (8-15s) (grouped)	Derived
KCIGREGD	(D) Cigarette smoking status (8-15 year olds)	Derived
KCIGEVN	Whether ever smoked cigarettes (8-15s) (SC)	SC 8-15
KCIGAGE	Age first smoked a cigarette (8-15s)	SC 8-15
KCIGREG	Frequency and amount smoked (8-15s) (SC)	SC 8-15
KCIGWEEK	Whether smoked in previous week (8-15s) (SC)	SC 8-15
KCIGNUM	Number of cigarettes smoked last week (8-15s) (SC)	SC 8-15
KECIGHR	Ever heard of electronic cigarettes (e-cigarettes) (8-15s) (SC)	SC 8-15
KECIGREG	Ever used electronic cigarettes (8-15s) (SC)	SC 8-15
KECIGEVN	(D) Ever used an electronic cigarette (ever/never) - 8-15s	Derived

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) (NDPs) (SC 13-15)	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) - 4-15 year olds	Derived
cot15val	(D) Valid Cotinine (saliva): 0<15,15+	Derived
Cot12ValKids	(D) Cotinine below/above 12 ng/ml (children 4-15) excl current use of NDPs	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
cot12kids	(D) Cotinine (saliva): 0<12,12+ including NDP users	Derived

Adult Physical Activity

Walking		
Variable	Description	Source
NoWalk	No walks of at least 10 minutes in the last 7 days	SC 16+
DaysWal1	Days on which walked for at least 10 minutes in last 7 days: Monday	SC 16+
DaysWal2	Days on which walked for at least 10 minutes in last 7 days: Tuesday	SC 16+
DaysWal3	Days on which walked for at least 10 minutes in last 7 days: Wednesday	SC 16+
DaysWal4	Days on which walked for at least 10 minutes in last 7 days: Thursday	SC 16+
DaysWal5	Days on which walked for at least 10 minutes in last 7 days: Friday	SC 16+
DaysWal6	Days on which walked for at least 10 minutes in last 7 days: Saturday	SC 16+
DaysWal7	Days on which walked for at least 10 minutes in last 7 days: Sunday	SC 16+
TWalHou	Time spent walking on each day – Hours	SC 16+
TWalMin	Time spent walking on each day - Minutes	SC 16+
SWikPace	Usual walking pace	SC 16+
WikEfft	During last 7 days, effort of walking for 10 mins enough to make breathe faster, feel warmer or sweat	SC 16+
Lst7Wal	(D) Number of days in last 7 walked for at least 10 minutes at a time	Derived
TotmWalD	(D) IPAQ: Total number of minutes usually spend walking in a day	Derived
TotmWalWk	(D) IPAQ: Total number of minutes walking in the last 7 days	Derived

Moderate activity		
Variable	Description	Source
NoMod	No moderate physical activities in the last 7 days	SC 16+
DaysMod1	Days on which did moderate physical activity in last 7 days: Monday	SC 16+
DaysMod2	Days on which did moderate physical activity in last 7 days: Tuesday	SC 16+
DaysMod3	Days on which did moderate physical activity in last 7 days: Wednesday	SC 16+
DaysMod4	Days on which did moderate physical activity in last 7 days: Thursday	SC 16+
DaysMod5	Days on which did moderate physical activity in last 7 days: Friday	SC 16+
DaysMod6	Days on which did moderate physical activity in last 7 days: Saturday	SC 16+
DaysMod7	Days on which did moderate physical activity in last 7 days: Sunday	SC 16+
TModHou	Time spent on moderate physical activity on each day - Hours	SC 16+
TModMin	Time spent on moderate physical activity on each day - Minutes	SC 16+
Lst7Mod	(D) Number of days in last 7 did moderate physical activity	Derived
TotmModD	(D) IPAQ: Total number of minutes usually spend doing moderate activities in a day	Derived
TotmModWk	(D) IPAQ: Total number of minutes of moderate activity in the last 7 days	Derived

Vigorous activity		
Variable	Description	Source
NoVig	No vigorous physical activities in the last 7 days	SC 16+
DaysVig1	Days on which did vigorous physical activity in last 7 days: Monday	SC 16+
DaysVig2	Days on which did vigorous physical activity in last 7 days: Tuesday	SC 16+
DaysVig3	Days on which did vigorous physical activity in last 7 days: Wednesday	SC 16+
DaysVig4	Days on which did vigorous physical activity in last 7 days: Thursday	SC 16+
DaysVig5	Days on which did vigorous physical activity in last 7 days: Friday	SC 16+
DaysVig6	Days on which did vigorous physical activity in last 7 days: Saturday	SC 16+
DaysVig7	Days on which did vigorous physical activity in last 7 days: Sunday	SC 16+
TVigHou	Time spent on vigorous physical activity on each day - Hours	SC 16+
TVigMin	Time spent on vigorous physical activity on each day - Minutes	SC 16+
Lst7Vig	(D) Number of days in last 7 did vigorous physical activity	Derived
TotmVigd	(D) IPAQ: Total number of minutes usually spend doing vigorous activities in a day	Derived
TotmVigWk	(D) IPAQ: Total number of minutes of vigorous activity in the last 7 days	Derived

MVPA

Variable	Description	Source
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

Sedentary activity

Variable	Description	Source
TSitHou	Time spent sitting on a weekday in the last 7 days - Hours	SC 16+
TSitMin	Time spent sitting on a weekday in the last 7 days - Minutes	SC 16+
TotmSitD	(D) IPAQ: Total number of minutes spent sitting on a weekday	Derived
TotmSitWk	(D) IPAQ: Total number of minutes spent sitting (weekdays only) in the last 7 days	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
TASKHELPD	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
TASKHELPF	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	Number of activities respondent has received help with in the last month	Indiv
HLPNUMB	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
NDHLPE	(D) Need help (binary): Toilet (TASK E)	Derived
NDHLPG	(D) Need help (binary): Medicine (TASK G)	Derived
NDHLPF	(D) Need help (binary): Eat (TASK F)	Derived
NDHLPJ	(D) Need help (binary): House (TASK J)	Derived
NDHLPK	(D) Need help (binary): Shop (TASK K)	Derived
NDHLPL	(D) Need help (binary): Housework (TASK L)	Derived
NDHLPM	(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
HELPAIDL	(D) Received help for any personal activities (ADLs)	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
HELPIINDOOR	(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
HlpTasks3	(D) Number of ADLs or IADLs for which help was needed, 3 groups	Derived
UNMETI	(D) Unmet need: Stairs (TASK I)	Derived
UNMETH	(D) Unmet need: Indoors (TASK H)	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
UniADL3	(D) Whether any unmet ADL and/or IADL needs	Derived

REHELP	(D) Received help with ADLs/IADLs in the last month	Derived
ProvHlpD	(D) Who provided help with ADLs or IADLs in the last month	Derived
BLADDPRB	Suffers from problems with bladder	Indiv
BOWELPRB	Suffers from problems with controlling bowels	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 Ix ADL, rec	Derived
BART5GP2	(D) Unmet need: Person's dep - Bart 5 ltm Ix ADL, rec 2	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/ physiotherapist	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/physiotherapist	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 for basic indoor tasks: Home care worker/home help	Indiv
HLPFORM11	Formal help for basic indoor tasks: A member of the reablement team	Indiv
HLPFORM12	Formal help for basic indoor tasks: Occupational Therapist/physiotherapist	Indiv
HLPFORM13	Formal help for basic indoor tasks: Voluntary helper	Indiv
HLPFORM14	Formal help for basic indoor tasks: Warden/Sheltered housing	Indiv
HLPFORM15	Formal help for basic indoor tasks: Cleaner	Indiv
HLPFORM16	Formal help for basic indoor tasks: Council's handyman	Indiv
HLPFORM17	Formal help for basic indoor tasks: Other	Indiv
HLPFORM18	Formal help for basic indoor tasks: None of the above	Indiv
HLPFORM19	Formal help for outdoor tasks & housework: Home care worker/home help	Indiv
HLPFORM20	Formal help for outdoor tasks & housework: A member of the reablement team	Indiv
HLPFORM21	Formal help for outdoor tasks & housework: Occupational Therapist/physiotherapist	Indiv
HLPFORM22	Formal help for outdoor tasks & housework: Voluntary helper	Indiv
HLPFORM23	Formal help for outdoor tasks & housework: Warden/Sheltered housing	Indiv
HLPFORM24	Formal help for outdoor tasks & housework: Cleaner	Indiv
HLPFORM25	Formal help for outdoor tasks & housework: Council's handyman	Indiv
HLPFORM26	Formal help for outdoor tasks & housework: Other	Indiv
HLPFORM27	Formal help for outdoor tasks & housework: 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
HHELP2	Tasks carried out by home care worker: Second	Indiv
HHELP3	Tasks carried out by home care worker: Third	Indiv
MOREHC	Whether more home care workers/home helps/personal assistants	Indiv
DHELPFOHC	(D) Home care worker helped with ADLs (tasks A-I)	Derived
DHELPFOOT	(D) Other formal helper helped with ADLs (tasks A-I)	Derived
DHELPFONO	(D) No formal helpers helped with ADLs (tasks A-I)	Derived
DANYFO	(D) Any formal helper helped with ADL tasks (A-I)	Derived
DHELPFOHCI	(D) Home care worker helped with IADLs (tasks J-M)	Derived
DHELPFOOTI	(D) Other formal helper helped with IADLs (tasks J-M)	Derived
DHELPFONOI	(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 for basic indoor tasks: Husband/wife/partner	Indiv
HLPINF13	Informal help for basic indoor tasks: Son	Indiv
HLPINF14	Informal help for basic indoor tasks: Daughter	Indiv
HLPINF15	Informal help for basic indoor tasks: Grandchild	Indiv
HLPINF16	Informal help for basic indoor tasks: Brother/sister	Indiv
HLPINF17	Informal help for basic indoor tasks: Niece/nephew	Indiv
HLPINF18	Informal help for basic indoor tasks: Mother/father	Indiv
HLPINF19	Informal help for basic indoor tasks: Other family member	Indiv
HLPINF20	Informal help for basic indoor tasks: Friend	Indiv
HLPINF21	Informal help for basic indoor tasks: Neighbour	Indiv
HLPINF22	Informal help for basic indoor tasks: None of the above	Indiv
HLPINF23	Informal help for outdoor tasks & housework: Husband/wife/partner	Indiv
HLPINF24	Informal help for outdoor tasks & housework: Son	Indiv
HLPINF25	Informal help for outdoor tasks & housework: Daughter	Indiv
HLPINF26	Informal help for outdoor tasks & housework: Grandchild	Indiv
HLPINF27	Informal help for outdoor tasks & housework: Brother/sister	Indiv
HLPINF28	Informal help for outdoor tasks & housework: Niece/nephew	Indiv
HLPINF29	Informal help for outdoor tasks & housework: Mother/father	Indiv
HLPINF30	Informal help for outdoor tasks & housework: Other family member	Indiv
HLPINF31	Informal help for outdoor tasks & housework: Friend	Indiv
HLPINF32	Informal help for outdoor tasks & housework: Neighbour	Indiv
HLPINF33	Informal help for outdoor tasks & housework: 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: Person lives in household	Indiv
HELPFAM2	Son: Person lives in household	Indiv
HELPFAM3	2nd Son: Person lives in household	Indiv
HELPFAM4	3rd Son: Person lives in household	Indiv
HELPFAM5	Daughter: Person lives in household	Indiv
HELPFAM6	2nd Daughter: Person lives in household	Indiv
HELPFAM7	3rd Daughter: Person lives in household	Indiv
HELPFAM8	Grandchild: Person lives in household	Indiv
Sexfam8	Grandchild: Sex	Indiv
HELPFAM9	2nd Grandchild: Person lives in household	Indiv
Sexfam9	2nd Grandchild: Sex	Indiv
HELPFAM11	Brother/sister: Person lives in household	Indiv
Sexfam11	Brother/sister: Sex	Indiv
Helpfa12	2nd Brother/sister: Person lives in household	Indiv
Sexfam12	2nd Brother/sister: Sex	Indiv
HELPFAM15	Niece/nephew: Person lives in household	Indiv
Sexfam15	Niece/nephew: Sex	Indiv
HELPFAM16	2nd Niece/nephew: Person lives in household	Indiv
Sexfam16	2nd Niece/nephew: Sex	Indiv
HELPFAM20	Other family member: Person lives in household	Indiv
Sexfam20	Other family member: Sex	Indiv
HELPFAM21	Friend: Person lives in household	Indiv
Sexfam21	Friend: Sex	Indiv
HELPFAM22	2nd Friend: Person lives in household	Indiv
Sexfam22	2nd Friend: Sex	Indiv
Helpfa23	3rd Friend: Person lives in household	Indiv
Sexfam23	3rd Friend: Sex	Indiv
Sexfam24	Neighbour: Sex	Indiv
Sexfam25	2nd Neighbour: Sex	Indiv

Amount of time helped - formal

Variable	Description	Source
HRSFORM27	Hours of formal help received in last week: Home care worker/home help/personal assistant	Indiv
HRSFORM28	Hours of formal help received in last week: 2nd home care worker/home help/personal assistant	Indiv
HRSFORM29	Hours of formal help received in last week: 3rd home care worker/home help/personal assistant	Indiv
HRSFORM30	Hours of formal help received in last week: Member of the reablement/intermediate care staff team	Indiv
HRSFORM31	Hours of formal help received in last week: Occupational therapist/physiotherapist	Indiv
HRSFORM32	Hours of formal help received in last week: Voluntary helper	Indiv
HRSFORM33	Hours of formal help received in last week: Warden/sheltered housing manager	Indiv
HRSFORM34	Hours of formal help received in last week: Cleaner	Indiv
HRSFORM35	Hours of formal help received in last week: Council's handyman	Indiv
HRSFORM36	Hours of formal help received in last week: Other	Indiv
HlpHrsF27g9	Grouped hours of formal help received in last week (9 groups): Home care worker/home help/personal assistant	Indiv
HlpHrsF28g9	Grouped hours of formal help received in last week (9 groups): 2nd home care worker/home help/personal assistant	Indiv
HLPHRSF30G9	Grouped hours of formal help received in last week (9 groups): Member of the reablement/intermediate care staff team	Indiv
HLPHRSF33G9	Grouped hours of formal help received in last week (9 groups): Warden/sheltered housing manager	Indiv
HLPHRSF36G9	Grouped hours of formal help received in last week (9 groups): Other	Indiv
HlpHrsF27g3	Grouped hours of formal help received in last week (3 groups): Home care worker/home help/personal assistant	Indiv
HlpHrsF28g3	Grouped hours of formal help received in last week (3 groups): 2nd home care worker/home help/personal assistant	Indiv
HlpHrsF30g3	Grouped hours of formal help received in last week (3 groups): Member of the reablement/intermediate care staff team	Indiv
HlpHrsF33g3	Grouped hours of formal help received in last week (3 groups): Warden/sheltered housing manager	Indiv
HlpHrsF36g3	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
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
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
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
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
HLPHRSI05G3	Grouped hours of informal help received in last week (3 groups): Daughter	Indiv
HLPHRSI11G3	Grouped hours of informal help received in last week (3 groups): brother/sister	Indiv
HLPHRSI21G3	Grouped hours of informal help received in last week (3 groups): Friend	Indiv
DURATION	Amount of time been receiving these kinds of help	Indiv
HlpUsHrs01	Average hours of help in a usual week: Husband/wife/partner/spouse	Indiv
HlpUsHrs02	Average hours of help in a usual week: Son	Indiv
HlpUsHrs03	Average hours of help in a usual week: 2nd son	Indiv
HlpUsHrs05	Average hours of help in a usual week: Daughter	Indiv
HlpUsHrs06	Average hours of help in a usual week: 2nd daughter	Indiv
HlpUsHrs07	Average hours of help in a usual week: 3rd daughter	Indiv
HlpUsHrs08	Average hours of help in a usual week: Grandchild	Indiv
HlpUsHrs09	Average hours of help in a usual week: 2nd grandchild	Indiv
HlpUsHrs11	Average hours of help in a usual week: Brother/sister	Indiv
HlpUsHrs12	Average hours of help in a usual week: 2nd brother/sister	Indiv
HlpUsHrs15	Average hours of help in a usual week: Niece/nephew	Indiv
HlpUsHrs16	Average hours of help in a usual week: 2nd niece/nephew	Indiv
HlpUsHrs20	Average hours of help in a usual week: Other family member	Indiv
HlpUsHrs21	Average hours of help in a usual week: Friend	Indiv
HlpUsHrs22	Average hours of help in a usual week: 2nd friend	Indiv
HlpUsHrs23	Average hours of help in a usual week: 3rd friend	Indiv
HlpUsHrs24	Average hours of help in a usual week: Neighbour	Indiv
HlpUsHrs25	Average hours of help in a usual week: 2nd neighbour	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
Sonhrs	(D) Grouped, hours of help provided in the last week by the son who helped the most (9 groups)	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
DAhrs	(D) Grouped, hours of help provided in the last week by daughter who helped the most (9 groups)	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
Othrs	(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
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

FNhrs	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (9 groups)	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
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 provided in the last week by home care worker who helped the most (9 groups)	Derived
HCHr6	(D) Grouped, hours of help provided in the last week by home care worker who helped the most (6 groups, 50+)	Derived
HCHr10	(D) Grouped, hours of help provided in the last week by home care worker who helped the most (4 groups, 10+)	Derived
HCHr20	(D) Grouped, hours of help provided in the last week by home care worker who helped the most (4 groups, 20+)	Derived

Payment for care

Variable	Description	Source
CareAss	Whether council or local authority has made an assessment/review of care needs	Indiv
PersBudg	Whether has personal budget	Indiv
AnyDP	Whether any amount of personal budget is taken as a direct payment	Indiv
PBTopUp	Whether respondent pays to top up personal budget at all	Indiv
LAcare	Whether receives any care paid for by the council or local authority	Indiv
PayPriv	Whether pays for any private care at the moment	Indiv
UnpdIntr	Unpaid care received	Indiv
HrsUnpd	Hours of unpaid work received from people who live with respondent	Indiv
UnpdOth	Hours of unpaid work received from people who do not live with respondent	Indiv
WHOANS	Whether respondent answered on own	Indiv
PayCare	(D) Payment for care	Derived

Use of care services

Variable	Description	Source
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
LNCHCLUB	Whether attended lunch club run by council or voluntary body in last month	Indiv
DAYCEN	Whether attended Day Centre in last month	Indiv

Health Survey for England

**Health, social care
and lifestyles**

2018

Derived Variable Specification

A survey carried out on behalf of NHS Digital

Joint Health Surveys Unit

NatCen Social Research

Department of Epidemiology and Public Health, University College London

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GENERAL HEALTH **66**

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SOCIAL CARE

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Classification

Individual

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 ag16g10 "(D) Age 16+ in ten year bands".
```

Age35g: (D) Respondent age - grouped, approx 3 year bands for 0-15, 5 year bands 16+

- 1 0-1
- 2 2-4
- 3 5-7
- 4 8-10
- 5 11-12
- 6 13-15
- 7 16-19
- 8 20-24
- 9 25-29
- 10 30-34
- 11 35-39
- 12 40-44
- 13 45-49
- 14 50-54
- 15 55-59
- 16 60-64
- 17 65-69
- 18 70-74
- 19 75-79
- 20 80-84
- 21 85-89
- 22 90+

SPSS Syntax

```
Numeric Age35g (F3).
compute Age35g = -99.
if range(age,0,1) Age35g = 1.
if range(age,2,4) Age35g = 2.
if range(age,5,7) Age35g = 3.
if range(age, 8,10) Age35g = 4.
if range(age,11,12) Age35g = 5.
if range(age, 13,15) Age35g = 6.
if range(age,16,19) Age35g =7.
if range(age,20,24) Age35g =8.
if range(age,25,29) Age35g =9.
if range(age,30,34) Age35g =10.
if range(age,35,39) Age35g =11.
if range(age,40,44) Age35g =12.
if range(age,45,49) Age35g =13.
if range(age,50,54) Age35g =14.
if range(age,55,59) Age35g =15.
if range(age,60,64) Age35g =16.
if range(age,65,69) Age35g =17.
if range(age,70,74) Age35g =18.
if range(age,75,79) Age35g =19.
if range(age,80,84) Age35g =20.
if range(age,85,89) Age35g =21.
```

```

if Age ge 90 Age35g=22.
variable labels Age35g "(D) Respondent age - grouped, approx 3 year bands for 0-15, 5 year bands 16+".
add value labels Age35g
 1 "0-1"
 2 "2-4"
 3 "5-7"
 4 "8-10"
 5 "11-12"
 6 "13-15"
 7 "16-19"
 8 "20-24"
 9 "25-29"
10 "30-34"
11 "35-39"
12 "40-44"
13 "45-49"
14 "50-54"
15 "55-59"
16 "60-64"
17 "65-69"
18 "70-74"
19 "75-79"
20 "80-84"
21 "85-89" 22 "90+".

```

Age16g5: (D) Age 16+, 5 year bands

```

-1 Not applicable (under 16)
 1 16-17 year olds
 2 18-19 year olds
 3 20-24 year olds
 4 25-29 year olds
 5 30-34 year olds
 6 35-39 year olds
 7 40-44 year olds
 8 45- 49 year olds
 9 50- 54 year olds
10 55-59 year olds
11 60-64 year olds
12 65-69 year olds
13 70-74 year olds
14 75-79 year olds
15 80-84 year olds
16 85-89 year olds
17 90+

```

SPSS Syntax

```

Numeric Age16g5 (F3).
if age lt 16 Age16g5 = -1.
if range(age,16,17) Age16g5 = 1.
if range(age,18,19) Age16g5 = 2.
if range(age,20,24) Age16g5 = 3.
if range(age,25,29) Age16g5 = 4.
if range(age,30,34) Age16g5 =5.
if range(age,35,39) Age16g5 = 6.
if range(age,40,44) Age16g5 =7.
if range(age,45,49) Age16g5 = 8.
if range(age,50,54) Age16g5 =9.
if range(age,55,59) Age16g5 = 10.
if range(age,60,64) Age16g5 =11.
if range(age,65,69) Age16g5 = 12.
if range(age,70,74) Age16g5 =13.
if range(age,75,79) Age16g5 = 14.
if range(age,80,84) Age16g5 =15.
if range(age,85,89) Age16g5= 16.
if age ge 90 Age16g5 = 17.
add value labels Age16g5 -1 "Not applicable (under 16)" 1 "16-17 year olds"
 2 "18-19 year olds"
 3 "20-24 year olds"
 4 "25-29 year olds"
 5 "30-34 year olds"
 6 "35-39 year olds"
 7 "40-44 year olds"
 8 "45- 49 year olds"
 9 "50- 54 year olds"
10 "55-59 year olds"
11 "60-64 year olds"
12 "65-69 year olds"
13 "70-74 year olds"
14 "75-79 year olds"
15 "80-84 year olds"
16 "85-89 year olds"
17 "90+".
variable labels Age16g5 "(D) Age 16+, 5 year bands".

```

Ag015g4: (D) Age 2-15 in three groups

- 1 2-4
- 2 5-10
- 3 11-15

SPSS Syntax

```
Numeric Ag015g4 (F3).
compute Ag015g4 = -99.
if Age GE 16 Ag015g4 =-1.
if range(age,0,1) Ag015g4 = -1.
if range(age,2,4) Ag015g4 = 1.
if range(age,5,10) Ag015g4 = 2.
if range(age,11,15) Ag015g4 = 3.
variable labels Ag015g4 "(D) Age 2-15 in three groups".
add value labels Ag015g4
  -1 "Not applicable"
  1 "2-4"
  2 "5-10"
  3 "11-15".
```

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.
```

QRTINT: (D) Quarter of year of individual interview

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

Booklet Admin

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

- 1 8-12
- 2 13-15
- 3 Young Adults
- 4 Adult

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 age>=16 and age<18 and screc=1 booklet=3.
IF age>=18 and screc=1 booklet=4.
IF age>=18 and age<25 and screc=1 & bookchk=2 booklet=3.
VARIABLE LABELS booklet "(D) Eligible for which self-completion booklet?".
VALUE LABELS booklet
-1 "Item not applicable" 1 "8-12" 2 "13-15" 3 "Young Adults" 4 "Adults".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'.
```

Educ2: (D) Highest Educational Qualification

- 1 Degree or equivalent
- 2 Below degree
- 3 None

SPSS Syntax

```
recode topqual3 (1=1) (2 thru 6= 2) (7=3 ) (lo thru -1 = copy) into educ2.
Variable labels "(D) Highest Educational Qualification".
value labels 1 "Degree or equivalent"
2 "Below degree"
3 "None"
```

Employment Status

NSSEC8: (D) NS-SEC 8 Variable classification (individual) (includes students most recent job)

- 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) (includes students most recent
job)".
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"
  99 "Other".
```

NSSEC5: (D) NS-SEC 5 Variable Classification (individual) (includes students most recent job)

- 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) (includes students most recent
job)".
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) (includes students most recent job)

- 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) (includes students most recent
job)".
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) (includes students most recent job)

- 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) (includes students most recent job)".
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.
```

HPNSSEC5: (D) NS-SEC 5 Variable Classification (HRP) (includes students most recent job)

- 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 hpnsec5.
VARIABLE LABELS hpnsec5 "(D) NS-SEC 5 variable classification (hrp) (includes students most recent job)".
Value label hpnsec5
  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) (includes students most recent job)

- 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 hpnsec3.
Variable label hpnsec3 "(D) NS-SEC 3 variable classification (hrp) (includes students most recent job)".
Value label hpnsec3
  1 "Managerial and professional occupations"
  2 "Intermediate occupations"
  3 "Routine and manual occupations"
  99 "Other".
exe.
```


Income

EQV5: (D) Equivalised Income Quintiles

- 90 Age of household member refused
- 1 Highest Quintile (>£52,817)
- 2 Second highest Quintile (>£31,967 <=£52,817)
- 3 Middle Quintile (>£23,084 <=£31,967)
- 4 Second lowest Quintile (>£14,918 <= £23,084)
- 5 Lowest Quintile (<=£14,918)

EQV3: (D) Equivalised Income Tertiles

- 90 Age of household member refused
- 1 Highest Tertile (>£38,356)
- 2 Middle Tertile (>£19,500 <=£38,356)
- 3 Lowest Tertile (<=£19,500)

Syntax for equivalised income is available on request

Nurse Admin

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 cohabittees

1. Single
2. Married, including civil partnership
3. Separated, including from civil partnership
4. Divorced, including dissolved civil partnership
5. Widowed, including civil partnership
6. Cohabittees

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 cohabittees".  
VALUE LABELS marstatD  
  1 'Single'  
  2 'Married, including civil partnership'  
  3 'Separated, including from a civil partnership'  
  4 'Divorced, including dissolved civil partnership'  
  5 'Widowed, including civil partnership'  
  6 'Cohabittees'.
```

Intra-Household

Fath_bmi: (D) Father's BMI - three groups

Moth_bmi: (D) Mother's BMI - three groups

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

fath_bmi2: (D) Father's BMI – two groups

moth_bmi2: (D) Mother's BMI – two groups

- 1 Not overweight or obese
- 2 Overweight or obese

Syntax for father's and mother's BMI is available on request

Sample Info

QIMD: (D) Quintile of IMD SCORE 2015 (Index of multiple deprivation) – least deprived to most deprived

- 1 0.48->8.37 [least deprived]
- 2 8.37->13.92
- 3 13.92->21.43
- 4 21.43->33.88
- 5 33.88->92.60 [most deprived]

The Overall Index of Multiple Deprivation 2015 (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 IMD2015 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 2015 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

ESTHT2: (D) Final height - measured or estimated (cm)

ESTWT2: (D) Final weight - measured or estimated (cm)

SPSS Syntax

```
Do IF Height gt -1.
compute EstHt2 = Height.
      ELSE IF (EHtFt gt -1) AND (EHtIn gt -1).
compute EstHt2 = ((EHtFt * 12) + EHtIn) * 2.54.
      ELSE IF (EHtFt gt -1) AND (EHtIn le -1).
compute      EstHt2 = EHtFt * 30.48.
      ELSE IF EHtm gt -1.
compute      EstHt2 = EHtm * 100.
END IF.
if age lt 2 estht2 = -1.
if ehtch = -8 estht2 = -1.
if ehtch = -9 estht2 = -1.
if range(resphts,2,4) and age lt 16 estht2=-1.
add value labels estht2 -1 "Not applicable".
VARIABLE LABELS ESTHT2 "(D) Final height - measured or estimated (cm)".

Numeric Estwt2 (F5.1).

do IF Weight gt -1.
compute EstWt2 = Weight.
      ELSE IF (EWtSt gt -1) AND (EWtL gt -1).
compute EstWt2 = RND(((EWtSt * 14) + EWtL) * 4.54) * 0.1.
      ELSE IF (EWtSt gt -1) AND (EWtL le -1).
compute EstWt2 = RND(EWtSt * 63.56) * 0.1.
      ELSE IF EWtkg gt -1.
compute      EstWt2 = EWtkg.
      END IF.
if ewtch = -8 estwt2 = -1.
if ewtch = -9 estwt2 = -1.
if range(respwts,2,4) and age lt 16 estwt2=-1.
add value labels estwt2 -1 "Not applicable".
VARIABLE LABELS ESTWT2 "(D) Final weight - measured or estimated (kg)".
```

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".

```

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)".

```

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".

```

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".

```

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)".

```

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".
```

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 bmival (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 bmivg5.
If age<16 bmivg5=-1.
VARIABLE LABELS bmivg5 "(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if >130kg".
VALUE LABELS bmivg5
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 BMIVAL 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 bmival2 (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 bmivg52.
If age<16 bmivg52=-1.
VARIABLE LABELS bmivg52 "(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if >200kg".
VALUE LABELS bmivg52 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 bmival2 (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 bmivg53.
If age<16 bmivg53=-1.
VARIABLE LABELS bmivg53 "(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-35,35+) estimated weight if >200kg".
VALUE LABELS bmivg53 1 "Under 18.5" 2 "18.5 and below 25" 3 "25 and below 30" 4 "30 and below 35" 5 "Over 35".
```

BMI6grp: (D) Valid BMI (grouped:<18.5,18.5-23,23-25,25-27.5,27.5-30,30+) estimated weight if >200kg

- 1 Not applicable
- 1 Under 18.5
- 2 18.5 and below 23
- 3 23 and below 25
- 4 25 and below 27.5
- 5 27.5 and below 30
- 6 Over 30

SPSS Syntax

```
NUMERIC BMI6grp (F2.0).
RECODE bmival2 (0 thru 18.499999=1)(18.500000 thru 22.999999=2)(23.000000 thru 24.999999=3) (25.000000 thru 27.499999=4) (27.500000 thru 29.999999=5) (30.000000 thru hi=6) (lo thru -1=COPY) INTO BMI6grp.
If age<16 BMI6grp=-1.
VARIABLE LABELS BMI6grp "(D) Valid BMI (grouped:<18.5,18.5-23,23-25,25-27.5,27.5-30,30+) estimated weight if >200kg".
VALUE LABELS BMI6grp
-1 "Not applicable"
```

```

1 "Under 18.5"
2 "18.5 and below 23"
3 "23 and below 25"
4 "25 and below 27.5"
5 "27.5 and below 30"
6 "Over 30".

```

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 bmivg52 (1 thru 2=1) (3=2) (4 thru 5=3) (else=copy) into bmivg3.
variable labels bmivg3 "(D) BMI grouped combining underweight and normal, overweight and combining obese and morbidly obese".
value labels bmivg3
  1 "Not overweight or obese"
  2 "Overweight"
  3 "Obese".

```

BMIVG6: (D) BMI grouped with obese categories I,II,III (excluding invalid waist measurements)

- 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(excluding invalid waist measurements)".
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'.

```

BMIVG8: (D) BMI in 8 categories

- 1 0-18.5
- 2 18.5-23
- 3 23-25
- 4 25-27.5
- 5 27.5-30
- 6 30-32.5
- 7 32.5-35
- 8 35+

SPSS Syntax

```

recode bmival2 (0 thru 18.5=1) (18.5 thru 23=2) (23 thru 25=3) (25 thru 27.5=4) (27.5 thru 30=5) (30 thru 32.5=6) (32.5 thru 35=7) (35 thru hi=8) (lo thru -1=COPY) INTO bmivg8.
VARIABLE LABELS bmivg8 "(D) BMI in 8 categories".
VALUE LABELS bmivg8 1 "0-18.5" 2 "18.5-23" 3 "23-25" 4 "25-27.5" 5 "27.5-30" 6 "30-32.5" 7 "32.5-35" 8 "35+".
fre bmivg8.

```

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".
```

BMIVGDR: (D) WHO diabetes risk category

- 1 underweight or acceptable risk
- 2 increased risk
- 3 high risk

SPSS Syntax

```
* white, mixed, other.

do if origin2 = 1 or origin2 = 4 or origin2 =5.
recode bmivg8 (1 thru 3 = 1) (4 thru 5 = 2) (6 thru hi = 3) (lo thru -1=COPY) INTO bmivgdr.
end if.

* black, asian.

do if origin2 = 2 or origin2 = 3 .
recode bmivg8 (1 thru 2 = 1) (3 thru 4 = 2) (5 thru hi = 3) (lo thru -1=COPY) INTO bmivgdr.
end if.

do if origin2=-8 or origin2=-9.
compute bmivgdr=origin2.
end if.

VARIABLE LABELS bmivgdr "(D) WHO diabetes risk category".
VALUE LABELS bmivgdr -9 "refused ethnic" -8 "dont know" -1 "not applicable" 1 "underweight or acceptable risk" 2 "increased risk" 3 "high risk".
fre bmivgdr.
```

BMICAT1: (D) BMI standards age 2-15 (85th/95th centile) updated 2008

- 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.
```



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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.

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) BMI status age 2-15 (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 (ovrwght incl. obese)'.  
VALUE LABELS bmicat2 1 'Neither overweight nor obese' 2 'Overweight incl. obese'.
```

BMICAT3: (D) Children's BMI status age 2-15 (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'.
```

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".
```

MENWHGP: (D) Male waist/hip ratio groups

- 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.
```

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 waisthi.
```

```
if sex = 1 and wstval >102 waisthi = 2.
```

```
if sex = 2 and wstval >88 waisthi = 2.
```

```
variable labels waisthi "(D) Raised waist measurement over 102cm for men and 88cm for women".
```

```
value labels waisthi
```

```
1 "Normal" 2 "Over 102 / 88 cm".
```

WSTGP3: (D) Waist circumference 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 .
```

```
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'.
```

OHthRisk: (D) Health risk classifications based on body mass index (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 bmv6=1 & waist=1 OhthRisk=1.
if bmv6=1 & waist=2 OhthRisk=2.
if bmv6=1 & waist=3 OhthRisk=3.
if bmv6=2 & waist=1 OhthRisk=4.
if bmv6=2 & waist=2 OhthRisk=5.
if bmv6=2 & waist=3 OhthRisk=6.
if bmv6=3 & waist=1 OhthRisk=7.
if bmv6=3 & waist=2 OhthRisk=8.
if bmv6=3 & waist=3 OhthRisk=9.
if bmv6=4 & waist=1 OhthRisk=10.
if bmv6=4 & waist=2 OhthRisk=11.
if bmv6=4 & waist=3 OhthRisk=12.
if bmv6=5 & waist=1 OhthRisk=13.
if bmv6=5 & waist=2 OhthRisk=14.
if bmv6=5 & waist=3 OhthRisk=15.
if bmv6=6 & waist=1 OhthRisk=16.
if bmv6=6 & waist=2 OhthRisk=17.
if bmv6=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 body mass index (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
- 90 Pregnant

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 measure is 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

CHOLVAL3: (D) Valid Total Cholesterol result {post June 2015}

SPSS Syntax

```
Numeric Cholval3 (F2.1).
compute Cholval3 = cholval2.
if cholflag3 = 1 Cholval3 = -1.
variable labels Cholval3 (D) Valid Total Cholesterol result {post June 2015}".
add value labels Cholval3 -1 "Not applicable".
```

CHOLVAL13: (D) Valid Total Cholesterol result (incl those on LLD) {Post June 2015}

SPSS Syntax

```
Numeric Cholval13 (F2.1).
compute Cholval13 = cholval12.
if cholflag3 = 1 cholval13 = -1.
variable labels Cholval13 (D) Valid Total Cholesterol result (incl those on LLD) {Post June 2015}".
add value labels Cholval13 -1 "Not applicable".
```

CHOLFOUR3: (D) Whether Total Cholesterol < 4 (incl those on LLD) {Post June 2015}

```
1 <4.0
2 >4.0
```

SPSS Syntax

```
Numeric Cholfour3 (F8.2).
compute Cholfour3 = Cholfour2.
if cholflag3 = 1 cholfour3 = -1.
exe.
variable labels Cholfour3 "(D) Whether Total Cholesterol < 4 (incl those on LLD) {Post June 2015}".
add value labels Cholfour3 -1 "Not applicable" 1.00 "<4.0" 2.00 ">=4.0".
```

CHOLFIVE3: (D) Whether Total Cholesterol < 5 (incl those on LLD) {Post June 2015}

```
1 <5.0
2 >5.0
```

SPSS Syntax

```
Numeric Cholfive3 (F8.2).
compute Cholfive3 = cholfive2.
if cholflag3 = 1 cholfive3 = -1.
exe.
variable labels Cholfive3 "(D) Whether Total Cholesterol < 5 (incl those on LLD) {Post June 2015}".
add value labels Cholfive3 -1 "Not applicable" 1.00 "<5.0" 2.00 ">=5.0".
```

HDLVAL3: (D) Valid HDL Cholesterol result mmol/L {Post June 2015}

SPSS Syntax

```
Numeric Hdlval3 (F2.1).
compute Hdlval3 = hdlval2.
if cholflag3 = 1 Hdlval3 = -1.
exe.
var labs Hdlval3 "(D) Valid HDL Cholesterol result mmol/L {Post June 2015}".
add value labels Hdlval3 -1 "Not applicable".
```

HDLVAL13: (D) Valid HDL Cholesterol result mmol/L (incl those on LLD) {Post June 2015}

SPSS Syntax

```
Numeric Hdlval13 (F2.1).
compute Hdlval13 = hdlval12.
if cholflag3 = 1 hdlval13 = -1.
var labs Hdlval13 "(D) Valid HDL Cholesterol result mmol/L (incl those on LLD) {Post June 2015}".
add value labels Hdlval13 -1 "Not applicable".
```

HDLONE3: (D) Whether HDL Cholesterol result <1 (incl those on LLD) {Post June 2015}

```
1 <1
2 >1
```

SPSS Syntax

```
Numeric Hdlone3 (F8.2).
compute Hdlone3 =hdlone2.
if cholflag3 = 1 hdlone3 = -1.
exe.
var labs Hdlone3 "(D) Whether HDL Cholesterol result <1 (incl those on LLD) {Post June 2015}".
add value labels Hdlone3 -1 "Not applicable" 1.00 "<1" 2.00 ">=1".
```

Raised: (D) Total cholesterol - raised, over 4.9 (mmol/L)

1 Above 4.9

SPSS Syntax

```
Numeric Raised (F8).
compute raised=0.
if cholest>4.9 raised=1.
if cholest = -1 Raised = -1.
Variable labels Raised "(D) Total cholesterol - raised, over 4.9 (mmol/L)".
add value labels Raised 0 "Below 4.9"
1 "Above 4.9"
-1 "Not applicable".
exe.
```

GLYHBVALA: (D) Valid Glycated haemoglobin result (%) [comparable to pre-September 2013]

SPSS Syntax

```
compute glyhbvala= glyhbval.
execute.
if glyhbval>3.5 and glyhbval<6.3 glyhbvala = glyhbval+0.1.
if glyhbval>6.2 and glyhbval<9 glyhbvala = glyhbval+0.2.
if glyhbval>8.9 glyhbvala = glyhbval+0.3.
variable labels glyhbvala "(D) Valid Glycated haemoglobin result (%) [comparable to pre-September 2013]".
```

CHOLVALA: (D) Valid Total Cholesterol Result mmol/L (comparable with pre-2010 results)

SPSS Syntax

```
Numeric Cholvala (F2.1).
compute Cholvala = -99.
if cholflag3 = 1 Cholvala = cholval2 -0.1.
if cholflag3 = 2 Cholvala = cholval3.
if cholok2 ge 2 Cholvala = -1.
EXECUTE.
variable labels Cholvala (D) Valid Total Cholesterol Result mmol/L (comparable with pre-2010 results)".
add value labels Cholvala
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
```

CHOLVAL1A: (D) Valid Total Cholesterol Result mmol/L (incl those on LLD) (comparable with pre-2010 results)

SPSS Syntax

```
Numeric Cholvalla (F2.1).
compute Cholvalla = -99.
if cholflag3 = 1 Cholvalla = (cholval12 -0.1).
if cholflag3 = 2 Cholvalla = cholval13.
if cholok2 gt 2 cholvalla = -1.
exe.
variable labels Cholvalla "(D) Valid Total Cholesterol Result mmol/L (incl those on LLD) (comparable with pre-2010 results)".
add value labels Cholvalla
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
```

CHOLFOURA: (D) Whether Total Cholesterol < 4 (incl those on LLD) {revised} (comparable with pre-2010 results)

1 <4.0
2 >4.0

SPSS Syntax

```
Numeric Cholfoura (F8.2).
COMPUTE cholfoura=cholvalla.
If cholvalla>=4.0 cholfoura=2.
if cholvalla>0 & cholvalla LT 4.0 cholfoura=1.
VALUE LABELS cholfoura 1 "<4.0"
2 ">=4.0" -1 "Not applicable".
variable labels Cholfoura "(D) Whether Total Cholesterol < 4 (incl those on LLD) {revised} (comparable with pre-2010 results)".
```

CHOLFIVEA: (D) Whether Total Cholesterol < 5 (incl those on LLD) {revised} (comparable with pre-2010 results)

1 <5.0
2 >5.0

SPSS Syntax

```
compute Cholfivea = cholvalla.  
if cholvalla>=5.0 cholfivea=2.  
if cholvalla>0 & cholvalla<5.0 cholfivea = 1.  
exe.  
variable labels Cholfivea "(D) Whether Total Cholesterol < 5 (incl those on LLD) {revised} (comparable with pre-2010 results)".  
add value labels Cholfivea  
  1 "<5.0"  
  2 ">=5.0"  
-1 "Not applicable".
```

HDLVALA: (D) Valid HDL Cholesterol Result mmol/L (comparable with pre-2010 results)

SPSS Syntax

```
compute Hdlvala = -99.  
if cholflag3 = 1 Hdlvala = hdlval2+0.1.  
if cholflag3 = 2 Hdlvala = hdlval3+0.2.  
if hdlok2 ge 2 hdlvala = -1.  
exe.  
variable labels Hdlvala "(D) Valid HDL Cholesterol Result mmol/L (comparable with pre-2010 results)".  
add value labels Hdlvala  
-1 "Not applicable"  
-8 "Don't know"  
-9 "Refused".
```

HDLVAL1A: (D) Valid HDL Cholesterol Result mmol/L (incl those on LLD) (comparable with pre-2010 results)

SPSS Syntax

```
compute Hdlvalla = -99.  
if cholflag3 = 1 Hdlvalla = hdlval12+0.1.  
if cholflag3 = 2 Hdlvalla = hdlval13+0.2.  
if hdlok2 gt 2 hdlvalla = -1.  
EXECUTE.  
variable labels Hdlvalla "(D) Valid HDL Cholesterol Result mmol/L (incl those on LLD) (comparable with pre-2010 results)".  
add value labels Hdlvalla  
-1 "Not applicable"  
-8 "Don't know"  
-9 "Refused".
```

HDLONEA: (D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised} (comparable with pre-2010 results)

1 <1.0
2 >=1.0

SPSS Syntax

```
compute Hdlonea = -99.  
if hdlvalla>=1 hdlonea=2.  
if hdlvalla>0 and hdlvalla<1 hdlonea=1.  
IF HDLVAL1A = -1 HDLONEA= -1.  
VALUE LABELS hdlonea  
  1 "<1"  
  2 ">=1"  
-1 "Not applicable".  
variable labels Hdlonea "(D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised} (comparable with pre-2010 results)".
```

GLYHBVAL2: (D) Valid Glycated HB Result (%)

SPSS Syntax

```
compute glyhbval2=-1.  
if glyhbok=1 glyhbval2=glyhb.  
formats glyhbval2 (F2.1).  
variable labels glyhbval2 "(D) Valid Glycated haemoglobin result (%)".  
ADD VALUE LABELS GLYHBVAL2 -1 "Item not appliable".
```

GLYHB3G2: (D) Glycated haemoglobin (%) 3 groups

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

SPSS Syntax

```
recode glyhbval2 (7.5 thru hi = 3) (6.5 thru 7.4 = 2) (0 thru 6.4 = 1) (else = copy) into glyhb3g2.
add value labels glyhb3g2
-1 "Item not applicable"
1 "Under 6.5"
2 "6.5 to 7.4"
3 "7.5 or over".
var label glyhb3g2 "(D) Glycated haemoglobin (%) 3 groups".
```

GLYHBHI2: (D) Raised Glycated haemoglobin (%)

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

SPSS Syntax

```
recode glyhbval2 (6.5 thru hi = 2) (0 thru 6.4 = 1) (else = copy) into glyhbhi2.
VARIABLE LABELS glyhbhi2 "(D) Raised Glycated haemoglobin (%)".
add value labels glyhbhi2
-1 "Item not applicable"
1 "Not raised (under 6.5)"
2 "Raised (6.5 or over)".
```

IFFCVAL2: (D) Valid Glycated haemoglobin result in mmol/ml (IFFC)

SPSS Syntax

```
recode IFCCA1 (else = copy) into iffcval2.
if glyhbval2 = 6.0 iffcval2 = 42.
if glyhbval2 < 0 iffcval2 = glyhbval2.
Variable labels iffcval2 "(D) Valid Glycated haemoglobin result in mmol/ml (IFFC)".
add value labels iffcval2 -1 "Item not applicable".
```

GLYHB3GA: (D) Glycated haemoglobin 3 groups (adjusted to be comparable with pre-September 2013)

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

SPSS Syntax

```
recode glyhbvala (7.5 thru hi = 3) (6.5 thru 7.4 = 2) (0 thru 6.4 = 1) (else = copy) into Glyhb3ga.
exe.
variable labels Glyhb3ga "(D) Glycated haemoglobin 3 groups (adjusted to be comparable with pre-September 2013)".
add value labels glyhb3ga -1 "Not applicable" 1 "Under 6.5" 2 "6.5 to 7.4" 3 "7.5 or over".
```

GLYHBHIA: (D) Raised glycated haemoglobin (adjusted to be comparable with pre-September 2013)

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

SPSS Syntax

```
recode glyhbvala (6.5 thru hi = 2) (0 thru 6.4 = 1) (else = copy) into Glyhbhia.
variable labels Glyhbhia "(D) Raised glycated haemoglobin (adjusted to be comparable with pre-September 2013)".
add value labels Glyhbhia -1 "Not applicable"
1 "Not raised (under 6.5)"
2 "Raised (6.5 or over)".
```

IFFCVALA: (D) Valid Glycated haemoglobin result in mmol per ml (IFFC) (comparable with pre-September 2013)

SPSS Syntax

```
numeric Iffcvala (F2.1).
compute iffcvala = iffcval2.
if iffcval2 > 15 and iffcval2 < 45 iffcvala = iffcval2 + 1.
if iffcval2 > 44 and iffcval2 < 75 iffcvala = iffcval2 + 2.
if iffcval2 > 74 iffcvala = iffcval2 + 3.
exe.
variable labels iffcvala "(D) Valid Glycated haemoglobin result in mmol per ml (IFFC) (later results adjusted to be comparable with pre-September 2013)".
add value labels iffcvala -1 "Not applicable".
```

ifcvalag4: (D) Glycated haemoglobin (mmol) 4 groups

- 1 <42mmol/mol
- 2 42-47mmol/mol
- 3 48-53mmol/mol
- 4 54+mmol/mol

SPSS Syntax

```
recode ifcvala (54 thru hi = 4) (48 thru 53 = 3) (42 thru 47 = 2) (0 thru 41 = 1) (else = copy) into ifcvalag4.
value labels ifcvalag4
-1 "Not applicable"
1 "<42mmol/mol"
2 "42-47mmol/mol"
3 "48-53mmol/mol"
4 "54+mmol/mol".
variable label ifcvalag4 "(D) Glycated haemoglobin (mmol/mol) 4 groups".
```

Blood Pressure

Admin

BPRESPC: (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 (full11,2,-8,-9) | ANY (full12,2,-8,-9) | ANY (full13,2,-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 aware 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.

OMDIAS: (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 = omdias omsyst ommap ompuls.
RECODE respbbs (1o thru 0=COPY) (4 thru 6=-7) (2 thru 3=-9) INTO ommeas.
END REPEAT.
```

```

DO IF (respbps = 1).
COMPUTE omdiaast = (dias2om + dias3om)/2.
COMPUTE omsyst = (sys2om + sys3om)/2.
COMPUTE ommap = (map2om + map3om)/2.
COMPUTE ompuls = omsyst-omdiast.
END IF.
VARIABLE LABELS omdiaast "(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid" .
VARIABLE LABELS omsyst "(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid" .
VARIABLE LABELS ommap "(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 (lo 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 hy140om2 (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'.

```

HBP160OM2: (D) Hypertensive untreated (160/100): all prescribed drugs for BP (Omron readings) {revised}

- 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 hyl40om2>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'.
```

Hyphtreat: (D) Hypertensive untreated: all prescribed drugs for BP (Omron readings) {revised}

- 1 Normotensive, hypertensive controlled and hypertensive uncontrolled
- 0 Hypertensive untreated

SPSS syntax

```
Numeric Hyphtreat (F8).
compute hyphtreat=hyl40om2.
recode hyphtreat (2 thru 3=1) (4=0).
variable labels Hyphtreat "(D) Hypertensive untreated: all prescribed drugs for BP (Omron readings)
{revised} ".
add value labels Hyphtreat
-7 "Refused, attempted but not obtained, not attempted"
-1 "Not applicable"
1 "Normotensive, hypertensive controlled and hypertensive uncontrolled"
0 "Hypertensive untreated".
```

omsysvalg5: (D) SBP in 5 groups

- 1 <115mmHg
- 2 115-129mmHg
- 3 130-139mmHg
- 4 140-159mmHg
- 5 160+ mmHg

SPSS syntax

```
recode omsysval (160.00 thru hi = 5) (140.00 thru 159.99 = 4) (130.00 thru 139.99 = 3) (115.00 thru 129.99
= 2)
(0 thru 114.99 = 1) (else = copy) into omsysvalg5.
value labels omsysvalg5
-7 'Refused, attempted but not obtained, not attempted'
-9 "Refused"
-8 "Don't know"
-1 "Not applicable"
1 "<115mmHg"
2 "115-129mmHg"
3 "130-139mmHg"
4 "140-159mmHg"
5 "160+ mmHg".
var label omsysvalg5 "(D) SBP in 5 groups".
```


Drinking

Adults General

DNOFT3: (D) Frequency drunk 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 drunk 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) Drunk 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) Drunk alcohol in last 12 months, binary".
VALUE LABELS drinkYN
-1 'Not applicable'
-8 "Don't know"
-9 'Refused'
 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.
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 Days¹

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*norbot.  
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*strbot.  
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*3.0.  
IF (wgl175ml>0) d7unitwg=d7unitwg+wgl175ml*2.0.  
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.  
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+".
```

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'.
```

¹ 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.

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'.
```

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

```
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.
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)'.
```

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

SPSS Syntax

```
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 in the archive dataset

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 .

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) .

* strong beer.

COMPUTE sbeerwu=0.
*CAPI variables .
if (sbeerml > 0) sbeerwu=sbeerwu+(xsbeer*sbeerq1*2) .
if (sbeerml2 > 0) sbeerwu=sbeerwu+(xsbeer*sbeerq2*2) .
if (sbeerml3 > 0) sbeerwu=sbeerwu+(xsbeer*sbeerq3*3) .
if (sbeerml4 > 0) sbeerwu=sbeerwu+(xsbeer*sbeerq4*2) .
*self-comp variables .
if (scsbeeql > 0) sbeerwu=sbeerwu+(xsbeer*scsbeeql*2) .
if (scsbeeql2 > 0) sbeerwu=sbeerwu+(xsbeer*scsbeeql2*2) .
if (scsbeeql3 > 0) sbeerwu=sbeerwu+(xsbeer*scsbeeql3*3) .
formats sbeerwu (F2.1) .

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

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

compute winewu=0 .
*CAPI variables .
if bwineq2=1 winewu=winewu+(xwine*wineq1*1.5) .
if bwineq2=2 winewu=winewu+(xwine*wineq2) .
if bwineq2=3 winewu=winewu+(xwine*wineq3) .
if bwineq2=4 winewu=winewu+(xwine*wineq4*9) .
if bwineq2=5 winewu=winewu+(xwine*wineq5) .

*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) .

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

TOTALWU: (D) Total units 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".
value label totalwu -9 "Refused/not answered" -8 "Don't know" -1 "Item not applicable".
```

TOTALWUG: (D) Alcohol units 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".
```

TOTALWUG2: (D) Alcohol units per week grouped

- 0 Non-drinker/ did not drink at all in the last 12 months
- 1 Over 0, under 14
- 2 Over 14-21
- 3 Over 21-35
- 4 Over 35-50
- 5 Over 50

SPSS Syntax

```
recode totalwug (1 thru 4 = 1) (5=2) (6 thru 7 = 3) (8=4) (9=5) (else = copy) into totalwug2.
variable labels TOTALWUG2 "(D) Alcohol units per week grouped".
  0 "Non-drinker/not in last 12 months" 1 "Over 0, under 14"
  2 "14-21" 3 "21-35" 4 "Over 35-50" 5 "Over 50".
```

TOTALWUG215: (D) Alcohol units per week - risk groups (2016 guidelines for men)

- 0 Non drinker/not in last 12 months
- 1 Lower risk (up to 14 units)
- 2 Increased risk (14-50/14-35)
- 3 Higher risk (more than 50/35)

SPSS Syntax

```
compute totalwug215 = -99 .
if (totalwug <= 0) totalwug215 = totalwug .
if sex = 1 & range(totalwug, 1, 4) totalwug215 = 1 .
if sex = 1 & range(totalwug, 5, 8) totalwug215 = 2 .
if sex = 1 & totalwug = 9 totalwug215 = 3 .
```

```

if sex = 2 & range(totalwug, 1, 4) totalwug215 = 1 .
if sex = 2 & range(totalwug, 5, 7) totalwug215 = 2 .
if sex = 2 & range(totalwug,8, 9) totalwug215 = 3 .
var lab totalwug215 '(D) Alcohol units per week - risk groups (2016 guidelines for men)' .
add val lab totalwug215 -1 "Not applicable" -2 "Schedule not applicable" -8 "Don't know" -9 "Refused" 0
'Non drinker/not in last 12 months' 1 'Lower risk (up to14 units)'
2 'Increased risk (14-50/14-35)'
3 'Higher risk (more than 50/35)' .

```

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"
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

- 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

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 .
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'.

```

ALCBSMT15: (D) Alcohol consumption: men – (2016 guidelines)²

- 1 Never drunk alcohol
- 2 Ex-drinker
- 3 Under 1 per week
- 4 Over 1-7
- 5 Over 7-14
- 6 Over 14-35
- 7 Over 35-50
- 8 Over 50 units per week

SPSS Syntax

```

DO IF (sex=1).
RECODE alcbase (1=1) (2=2) (3 thru 4=3) (5=4) (6 thru 7=5) (8 thru 10=6)

```

2 The derived variables for drinking were revised in HSE 2015 to reflect the revised drinking guidelines for men. These amended variables are suffixed with a '15'

```

(11=7)(12=8)(lo thru -1=COPY) INTO alcbsmt15.
END IF .
IF (sex=2) alcbsmt15=-1 .
VARIABLE LABELS alcbsmt15 "(D) Alcohol consumption: men - new guidelines" .
VALUE LABELS alcbsmt15
  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'.

```

MENWUG15: (D) Weekly alcohol consumption: men (2016 guidelines)

- 0 Non-drinker/not in the last 12 months
- 1 Under 1 per week
- 2 Over 1-7
- 3 Over 7-14
- 4 Over 14-35
- 5 Over 35-50
- 6 Over 50 units per week

SPSS Syntax

```

DO IF (sex=1).
RECODE totalwug (0=0) (1 =1) (2=2 ) (3 thru 4=3) (5 thru 7=4) (8=5) (9=6) (else=COPY) INTO menwug15
IF (sex=2) menwug15=-1
END IF .
VARIABLE LABELS menwug15 "(D) Weekly alcohol consumption: men (2016 guidelines)" .
VALUE LABELS menwug15
  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'.

```

MENWUGg215: (D) Weekly alcohol consumption for me, 3 groups – (2016 guidelines)

```

1 None/ up to 14 units
2 14-50
3 More than 50 units

```

SPSS Syntax

```

COMPUTE MenWUGg215=-99.
RECODE MenWug15 (0 thru 3=1) (4 thru 5=2) (6=3) (else=copy) into MenWUGg215.
VARIABLE LABELS MenWUGg215 "(D) Weekly alcohol consumption for men, 3 groups - (2016 guidelines)".
VALUE LABELS MenWUGg215
-1 'Not applicable'
-8 "Don't know"
-9 'Refuse'
1 'None/Up to 14 units'
2 '14-50'
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 'Refused' 1 'None/Up to 14 units' 2 '14-35' 3 'More than 35 units'.

```

Children 8-15

AEVDRIK: (D) Ever had a proper alcoholic drink, including alcopops (age 8-12, 13-15)

- 1 Yes
- 2 No

SPSS Syntax

```
compute aevdrink = adrprop.  
IF adrprop = 1 aevdrink = 1.  
variable labels aevdrink '(D) Ever had proper alcoholic drink, including alcopops (age 8-12, 13-15)'.  
add value labels aevdrink 1 'Yes' 2 'No' -1 'Item not applicable' -9 'No answer/refused'.
```

Children 13-15

ADRKWQ08³: (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

```
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 & xxsherg > 0) adrkqw08= adrkqw08+ xxsherg .  
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)'.  

```

ADRKWQ08G³: (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".
```

³ 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

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".
  
```

Fruit and vegetable consumption

Fruit and vegetable consumption

PORLGE: (D) Large portion

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

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

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

PORFRZ15: (D) Portion of frozen fruit⁴

SPSS Syntax

```
COMPUTE porfroz=0.  
IF (frtfrz15=1 & frtfrzq15>0) porfroz15=frtfrzq15/3.  
IF ANY(frtfrz15,-9,-8) | ANY(frtfrzq15,-9,-8) porfroz15=-9.
```

PORTIND: (D) Portion of canned fruit

SPSS Syntax

```
COMPUTE portind = 0.  
IF (FrtTin =1 and FrtTinQ >0) portind = FrtTinQ/3.
```

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.
```

FRTPOR15: (D) Total portion of fruit

SPSS Syntax

```
COMPUTE frtpor=porjuice+porfprt+pordry+porfroz15+porfdish.  
IF porjuice=-9 & pordry=-9 & porfroz15=-9 & porfdish=-9 & porfprt=-9 frtpor=-9.
```

PORFV15: (D) Total portion of fruit and veg

SPSS Syntax

```
COMPUTE porfv=vegpor+frtpor15.  
IF vegpor=-9 & frtpor15=-9 porfv=-9.
```

PORFTVG15: (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 porfv15 (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 porftvg15.  
VARIABLE LABELS porftvg15 "(D) Grouped portions of fruit (inc.orange juice) & veg yesterday" .  
VALUE LABELS porftvg15  
0 "None"
```

⁴ The questions on frozen fruit and tinned fruit were separated in HSE 2015. Variables in the dataset are suffixed with '15' to indicate the change and derived variables have been amended accordingly

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".
```

FRZYN15: (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".
```

TINYN: (D) Any canned fruit (binary)

0 None
1 Yes

SPSS Syntax

```
RECODE portind (0=0)(0 thru hi = 1)(else=copy) into TinYN.  
VARIABLE LABELS TinYN "(D) Any canned fruit (binary)".  
VALUE LABELS TinYN -1 "Item not applicable" -9 "Refused/ not answered"  
0 "None"  
1 "Yes".
```

PULYN: (D) Any pulses (binary)

2 None
3 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".
```

FVYN15: (D) Any fruit and vegetables (binary)

0 None
1 Yes

SPSS Syntax

```
RECODE PorFV15 (0=0)(0 thru hi = 1) (else=copy) into FVyn15.  
VARIABLE LABELS FVyn15 "(D) Any fruit and vegetables (binary)".  
VALUE LABELS FVyn15  
0 "None"  
1 "Yes".
```

PORFV05b: (D) Portions of fruit and vegetables consumed, 6 groups – capped at 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 PorFtVg15 (7,8,9=6) (else=copy) into PorFV05b.  
VARIABLE LABELS PorFV05b "(D) Portions of fruit and vegetables consumed, 6 groups - capped at 5+".  
VALUE LABELS PorFV05b  
-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".
```

FRTTYN15: (D) Any fruit eaten. Fruit, dry, canned, frozen composites, incl juice (binary)

0 None
1 Yes

SPSS Syntax

```
COMPUTE FrttYN15=-99.  
IF RANGE(age,0,4) FrttYN15=-1.  
IF (PorFRT>0 | PorDRY>0 | PorFRz15>0 | Portind>0 | PorFDish>0 | PorJuice>0) FrttYN15=1 .  
IF (PorFRT=0 & PorDRY=0 & PorFRz15=0 & Portind=0 & PorFDish=0 & PorJuice=0) FrttYN15=0 .  
IF FrttYN15=-99 & (ANY(0, PorFRT, PorDRY, PorFRz15, Portind, PorFDish, PorJuice) | ANY(-9, PorFRT, PorDRY, PorFRz15, Portind, PorFDish, PorJuice)) FrttYN15=-9 .  
VARIABLE LABELS FrttYN15 "(D) Any fruit eaten. Fruit, dry, canned, frozen composites, incl juice (binary)".  
VALUE LABELS FrttYN15  
0 "None"  
1 "Yes".
```

FRTTYN2b: (D) Any fruit eaten. Fruit, dry, canned, frozen composites excl juice, (binary)

0 None
1 Yes

SPSS Syntax

```
COMPUTE FrttYN2b=-99.  
IF RANGE(age,0,4) FrttYN2b=-1.  
IF (PorFRT>0 | PorDRY>0 | PorFRz15>0 | Portind>0 | PorFDish>0) FrttYN2b=1 .  
IF (PorFRT=0 & PorDRY=0 & PorFRz15=0 & Portind=0 & PorFDish=0) FrttYN2b=0 .  
IF FrttYN2b=-99 & (ANY(0, PorFRT, PorDRY, PorFRz15, Portind, PorFDish) | ANY(-9, PorFRT, PorDRY, PorFRz15, Portind, PorFDish)) FrttYN2b=-9 .  
VARIABLE LABELS FrttYN2b "(D) Any fruit eaten. Fruit, dry, canned, frozen composites excl juice, (binary)".  
VALUE LABELS FrttYN2b  
0 "None"  
1 "Yes".
```


Gambling

Gambling Activities

ANYACTY: (D) Whether spent money on any gambling activity in last 12 months

- 1 Yes, spent money on 1 or more gambling activities
- 2 Did not spend money on gambling activities in past year
- 1 Item not applicable
- 8 Unclear
- 9 Not answered.

SPSS syntax

```
compute Anyacty=-8.
if any (1, GALA, GALB, GALC, GALE, GALD, GALF, GALG, GALS, GALH, GALJ, GALT, GALU, GALK, GALLX, GALM,
GALN, GALO, GALP, GALQ) Anyacty=1.

if (GALA=2 and GALB=2 and GALC=2 and GALE=2 and GALD=2 and GALF=2 and GALG=2 and GALS=2 and
GALH=2 and GALJ=2 and GALT=2 and GALU=2 and GALK=2 and GALLX=2 and GALM=2 and GALN=2 and GALO=2
and GALP=2 and GALQ=2) Anyacty=2.

If GALA=-1 Anyacty=-1.

if tot mis=19 Anyacty=-9.

variable labels Anyacty "(D) Whether spent money on any gambling activity in last 12 months".
value labels Anyacty
  1 "Yes, spent money on 1 or more gambling activities"
  2 "Did not spend money on gambling activities in past year"
-1 "Item not applicable"
-8 "Unclear"
-9 "Not answered".
```

NACTIVY: (D) Number of gambling activities participated in within last 12 months

- 1 Item not applicable
- 8 Unclear
- 9 Not answered

SPSS syntax

```
count Nactivy = GALA GALB GALC GALE GALD GALF GALG GALS GALH GALJ GALT GALU GALK GALLX GALM GALN GALO GALP
GALQ (1).

* set missings.
if Anyacty=-1 Nactivy =-1.
* -9s and -8 in GALA to GALQ same as Anyacty.
if Anyacty=-9 Nactivy =-9.
if Anyacty=-8 Nactivy =-8.

variable labels Nactivy "(D) Number of gambling activities participated in within last 12 months".
value labels Nactivy
  -1 "Item not applicable"
  -8 "Unclear"
  -9 "Not answered".
```

NACTYGR: (D) Number of gambling activities participated in within last 12 months (grouped)

- 0 None
- 1 One
- 2 Two
- 3 Three
- 4 Four
- 5 Five
- 6 Six
- 7 Seven
- 8 Eight or more
- 8 Unclear
- 9 Not answered
- 1 Item not applicable.

SPSS syntax

```
do if Anyacty<>-1.
Recode D1 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm1.
Recode D2 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm2.
Recode D3 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm3.
Recode D4 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm4.
Recode D5 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm5.
```

```

Recode D6 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm6.
Recode D7 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm7.
Recode D8 (1=1) (2=1) (3=1) (4=0) (-1=0) (-9=-9) into dsm8.
Recode D9 (1=1) (2=1) (3=1) (4=0) (-1=0) (-9=-9) into dsm9.
Recode D10 (1=1) (2=1) (3=1) (4=0) (-1=0) (-9=-9) into dsm10.
ELSE.
do repeat xxx=dsm1 to dsm10.
compute xxx=-1.
end repeat.
end if.

```

onlinegam: (D) Any online gambling activity other than National Lottery

-8 Unclear
1 Yes
2 No

SPSS syntax

```

Compute onlinegam=galt.
if galj=1 onlinegam=1.
if galu=1 onlinegam=1.
Variable labels onlinegam "(D) Any online gambling activity other than National Lottery".
Add value labels onlinegam -8 "Unclear" 1 "Yes" 2 "No".

```

NotLot: (D) Any gambling activity other than National Lottery

-8 Unclear
1 Yes
2 No

SPSS syntax

```

compute NotLot = anyacty.
if gala=1 & nactivy=1 NotLot = 2.
Variable labels NotLot "(D) Any gambling activity other than National Lottery".
Add value labels notlot -8 "Unclear" 1 "Yes" 2 "No".

```

Problem Gambling

DSM1: (D) Answer to DSM item 1
DSM2: (D) Answer to DSM item 2
DSM3: (D) Answer to DSM item 3
DSM4: (D) Answer to DSM item 4
DSM5: (D) Answer to DSM item 5
DSM6: (D) Answer to DSM item 6
DSM7: (D) Answer to DSM item 7
DSM8: (D) Answer to DSM item 8
DSM9: (D) Answer to DSM item 9
DSM10: (D) Answer to DSM item 10
0 Never/occasionally
1 Fairly often/very often
-1 Item not applicable
-9 Not answered

SPSS syntax

```

do if Anyacty<>-1.
Recode D1 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm1.
Recode D2 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm2.
Recode D3 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm3.
Recode D4 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm4.
Recode D5 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm5.
Recode D6 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm6.
Recode D7 (1=1) (2=1) (3=0) (4=0) (-1=0) (-9=-9) into dsm7.
Recode D8 (1=1) (2=1) (3=1) (4=0) (-1=0) (-9=-9) into dsm8.
Recode D9 (1=1) (2=1) (3=1) (4=0) (-1=0) (-9=-9) into dsm9.
Recode D10 (1=1) (2=1) (3=1) (4=0) (-1=0) (-9=-9) into dsm10.
ELSE.
do repeat xxx=dsm1 to dsm10.
compute xxx=-1.
end repeat.
end if.

```

```

Variable label DSM1 "(D) Answer to DSM item 1".
Variable label DSM2 "(D) Answer to DSM item 2".
Variable label DSM3 "(D) Answer to DSM item 3".
Variable label DSM4 "(D) Answer to DSM item 4".
Variable label DSM5 "(D) Answer to DSM item 5".
Variable label DSM6 "(D) Answer to DSM item 6".
Variable label DSM7 "(D) Answer to DSM item 7".
Variable label DSM8 "(D) Answer to DSM item 8".
Variable label DSM9 "(D) Answer to DSM item 9".
Variable label DSM10 "(D) Answer to DSM item 10".
Value labels DSM1
  0 "Never/sometimes"
  1 "Most times/every time".

Value labels DSM2
  0 "Never/occasionally"
  1 "Fairly often/very often".

Value labels DSM3
  0 "Never/occasionally"
  1 "Fairly often/very often".

Value labels DSM4
  0 "Never/occasionally"
  1 "Fairly often/very often".

Value labels DSM5
  0 "Never/occasionally"
  1 "Fairly often/very often".

Value labels DSM6
  0 "Never/occasionally"
  1 "Fairly often/very often".

Value labels DSM7
  0 "Never/occasionally"
  1 "Fairly often/very often".

Value labels DSM8
  0 "Never"
  1 "Occ/Fairly often/very often".

Value labels DSM9
  0 "Never"
  1 "Occ/Fairly often/very often".

Value labels DSM10
  0 "Never"
  1 "Occ/Fairly often/very often".

add value labels DSM1 to DSM10
  -1 "Item not applicable"
  -9 "Not answered".

```

DSMPROB: (D) Whether a DSM problem gambler

- 1 Problem gambler 3 and above
- 0 Non problem gambler

SPSS syntax

```

compute dsm1x=dsm1.
compute dsm2x=dsm2.
compute dsm3x=dsm3.
compute dsm4x=dsm4.
compute dsm5x=dsm5.
compute dsm6x=dsm6.
compute dsm7x=dsm7.
compute dsm8x=dsm8.
compute dsm9x=dsm9.
compute dsm10x=dsm10.
exe.

count yyy=dsm1x dsm2x dsm3x dsm4x dsm5x dsm6x dsm7x dsm8x dsm9x dsm10x (-9).
do if yyy<=5.
Count tempdsm = dsm1x to dsm10x (1).
If (tempdsm<3) dsmpb=0.
If (tempdsm ge 3) dsmpb=1.
else if yyy>5.
Count tempdsma = dsm1x to dsm10x (1).
If (tempdsma<3) dsmpb=-9.
If (tempdsma ge 3) dsmpb=1.
end if.
if partintx=1 dsmpb=-1.
recode dsmpb (sysmis=-9) (else=copy) into dsmprob.
Variable label dsmprob "(D) Whether a DSM problem gambler".
Value labels DSMprob
  1 "Problem gambler 3 and above"    0 "Non problem gambler".

```

DSMSC: (D) DSM score

SPSS syntax

```
Compute dsm1x=dsm1.
compute dsm2x=dsm2.
compute dsm3x=dsm3.
compute dsm4x=dsm4.
compute dsm5x=dsm5.
compute dsm6x=dsm6.
compute dsm7x=dsm7.
compute dsm8x=dsm8.
compute dsm9x=dsm9.
compute dsm10x=dsm10.
exe.count zzz=dsm1x dsm2x dsm3x dsm4x dsm5x dsm6x dsm7x dsm8x dsm9x dsm10x (-9).
do if zzz<=5.
do repeat xxx= dsm1x to dsm10x.
if xxx=-9 xxx=0.
Compute totdsm = sum (dsm1x to dsm10x).
end repeat.
end if.
if partintx=1 totdsm=-1.
Recode totdsm (sysmis=-9) (else=copy) into dsmsc.
Variable label dsmsc "(D) DSM score".
```

DSMTOTSC: (D) DSM total score (continuous)

SPSS syntax

```
compute dsm1x=dsm1.
compute dsm2x=dsm2.
compute dsm3x=dsm3.
compute dsm4x=dsm4.
compute dsm5x=dsm5.
compute dsm6x=dsm6.
compute dsm7x=dsm7.
compute dsm8x=dsm8.
compute dsm9x=dsm9.
compute dsm10x=dsm10.
exe.
count www=dsm1ax dsm2ax dsm3ax dsm4ax dsm5ax dsm6ax dsm7ax dsm8ax dsm9ax dsm10ax (-9).
do if www<=5.
do repeat sss= dsm1ax to dsm10ax.
if sss=-9 sss=0.
Compute totdsmsc = sum (dsm1ax to dsm10ax).
end repeat.
end if.
if partintx=1 totdsmsc=-1.
Recode totdsmsc (sysmis=-9) (else=copy) into dsmtotsc.
Variable label dsmtotsc "(D) DSM total score (continuous)".
```

PGSI1: (D) Answer to PGSI item 1

PGSI2: (D) Answer to PGSI item 2

PGSI3: (D) Answer to PGSI item 3

PGSI4: (D) Answer to PGSI item 4

PGSI5: (D) Answer to PGSI item 5

PGSI6: (D) Answer to PGSI item 6

PGSI7: (D) Answer to PGSI item 7

PGSI8: (D) Answer to PGSI item 8

PGSI9: (D) Answer to PGSI item 9

- 0 Never
- 1 Sometimes
- 2 Most
- 3 Always
- 1 Item not applicable
- 9 Not answered

SPSS syntax

```
do if Anyacty<>-1.
Recode P1 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI1.
Recode P2 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI2.
Recode P3 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI3.
Recode P4 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI4.
Recode P5 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI5.
Recode P6 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI6.
Recode P7 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI7.
Recode P8 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI8.
Recode P9 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into PGSI9.
```

```

ELSE.
do repeat xxx=PGSI1 to PGSI9.
compute xxx=-1.
end repeat.
end if.
Variable label PGSI1 "(D) Answer to PGSI item 1".
Variable label PGSI2 "(D) Answer to PGSI item 2".
Variable label PGSI3 "(D) Answer to PGSI item 3".
Variable label PGSI4 "(D) Answer to PGSI item 4".
Variable label PGSI5 "(D) Answer to PGSI item 5".
Variable label PGSI6 "(D) Answer to PGSI item 6".
Variable label PGSI7 "(D) Answer to PGSI item 7".
Variable label PGSI8 "(D) Answer to PGSI item 8".
Variable label PGSI9 "(D) Answer to PGSI item 9".
Value labels PGSI1
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
Value labels PGSI2
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
Value labels PGSI3
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
Value labels PGSI4
  -1 "Item not applicable"
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
Value labels PGSI5
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
Value labels PGSI6
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
Value labels PGSI7
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
Value labels PGSI8
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
Value labels PGSI9
  0 "Never"
  1 "Sometimes"
  2 "Most"
  3 "Always".
add value labels PGSI1 to PGSI9
  -1 "Item not applicable"
  -9 "Not answered".

```

DSM1a: (D) Answer to DSM item 1 (scale)
 DSM2a: (D) Answer to DSM item 2 (scale)
 DSM3a: (D) Answer to DSM item 3 (scale)
 DSM4a: (D) Answer to DSM item 4 (scale)
 DSM5a: (D) Answer to DSM item 5 (scale)
 DSM6a: (D) Answer to DSM item 6 (scale)
 DSM7a: (D) Answer to DSM item 7 (scale)
 DSM8a: (D) Answer to DSM item 8 (scale)
 DSM9a: (D) Answer to DSM item 9 (scale)
 DSM10a: (D) Answer to DSM item 10 (scale)

- 0 Never
- 1 Occasionally
- 2 Fairly often
- 3 Very often
- 1 Item not applicable
- 9 Not answered

SPSS syntax

```
do if Anyacty<>-1.
Recode D1 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsmla.
Recode D2 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsm2a.
Recode D3 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsm3a.
Recode D4 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsm4a.
Recode D5 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsm5a.
Recode D6 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsm6a.
Recode D7 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsm7a.
Recode D8 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsm8a.
Recode D9 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsm9a.
Recode D10 (1=3) (2=2) (3=1) (4=0) (-1=0) (-9=-9) into dsml0a.
ELSE.
do repeat xxx=dsmla to dsm10a.
compute xxx=-1.
end repeat.
end if.

Variable label DSM1a "(D) Answer to DSM item 1 (scale)".
Variable label DSM2a "(D) Answer to DSM item 2 (scale)".
Variable label DSM3a "(D) Answer to DSM item 3 (scale)".
Variable label DSM4a "(D) Answer to DSM item 4 (scale)".
Variable label DSM5a "(D) Answer to DSM item 5 (scale)".
Variable label DSM6a "(D) Answer to DSM item 6 (scale)".
Variable label DSM7a "(D) Answer to DSM item 7 (scale)".
Variable label DSM8a "(D) Answer to DSM item 8 (scale)".
Variable label DSM9a "(D) Answer to DSM item 9 (scale)".
Variable label DSM10a "(D) Answer to DSM item 10 (scale)".

Value labels DSM1a
  0 "Never"
  1 "Sometimes"
  2 "Most times"
  3 "Everytime".

Value labels DSM2a
  0 "Never"
  1 "Occasionally"
  2 "Fairly often"
  3 "Very often".

Value labels DSM3a
  0 "Never"
  1 "Occasionally"
  2 "Fairly often"
  3 "Very often".

Value labels DSM4a
  0 "Never"
  1 "Occasionally"
  2 "Fairly often"
  3 "Very often".

Value labels DSM5a
  0 "Never"
  1 "Occasionally"
  2 "Fairly often"
  3 "Very often".

Value labels DSM6a
  0 "Never"
  1 "Occasionally"
  2 "Fairly often"
```

```

3 "Very often".
Value labels DSM7a
0 "Never"
1 "Occasionally"
2 "Fairly often"
3 "Very often".

Value labels DSM8a
0 "Never"
1 "Occasionally"
2 "Fairly often"
3 "Very often".

Value labels DSM9a
0 "Never"
1 "Occasionally"
2 "Fairly often"
3 "Very often".

Value labels DSM10a
0 "Never"
1 "Occasionally"
2 "Fairly often"
3 "Very often".

add value labels DSM1a to DSM10a
-1 "Item not applicable"
-9 "Not answered".

```

PGSISC: (D) PGSI score

```

SPSS syntax

compute pgsilx=pgsil.
compute pgsi2x=pgsi2.
compute pgsi3x=pgsi3.
compute pgsi4x=pgsi4.
compute pgsi5x=pgsi5.
compute pgsi6x=pgsi6.
compute pgsi7x=pgsi7.
compute pgsi8x=pgsi8.
compute pgsi9x=pgsi9.
count jjj=pgsilx pgsi2x pgsi3x pgsi4x pgsi5x pgsi6x pgsi7x pgsi8x pgsi9x (-9).
do if jjj<=4.
do repeat mmm= pgsilx to pgsi9x.
if mmm=-9 mmm=0.
Compute totpgssc = sum (pgsilx to pgsi9x).
end repeat.
else if jjj>4.
do repeat nnn= pgsilx to pgsi9x.
if nnn=-9 nnn=0.
Compute totpgssca = sum (pgsilx to pgsi9x).
end repeat.
if totpgssca<8 totpgssc=-9.
if totpgssca>=8 totpgssc=totpgssca.
end if.
if partintx=1 totpgssc=-1.
Recode totpgssc (sysmis=-9) (else=copy) into pgsisc.
Variable labels PGSIsc "(D) PGSI score".

```

PGSIPROB: (D) PGSI problem gambling score, grouped

- 0 Non problem gambler/non gambler
- 1 Low risk gambler
- 2 Moderate risk gambler

```

3 "Problem gambler" SPSS syntax

Recode PGSIsc (0=0) (1,2=1) (3 thru 7=2) (8 thru hi=3) (sysmis=-9) (else=copy) into PGSIprob.
Variable label PGSIPROB "(D) PGSI problem gambling score, grouped".
Value labels PGSIPROB
0 "Non problem gambler/non gambler"
1 "Low risk gambler"
2 "Moderate risk gambler"
3 "Problem gambler".

```

PGSIGR2: (D) PGSI non problem/ problem gambler

- 0 Non problem gambler
- 1 Problem gambler

```

SPSS syntax

Recode pgsiprob (0 thru 2=0) (3=1) (else=copy) into PGSIgr2.
Variable label PGSIGR2 "(D) PGSI non problem/problem gambler".
Value labels PGSIGR2
0 "Non problem gambler" 1 "Problem gambler".

```

PROBGAM: (D) Whether a problem gambler according to either DSM OR PGSI

- 0 Not a problem gambler according to either DSM or PGSI
- 1 Problem gambler according to either DSM or PGSI
- 1 Item not applicable
- 9 Refused/not answered
- 8 Unclear

PROBGAM2: (D) Whether a problem gambler according to PGSI AND DSM

- 0 Not a problem gambler according to DSM AND PGSI
- 1 Problem gambler according to BOTH DSM AND PGSI
- 1 Item not applicable
- 8 Unclear
- 9 Refused/not answered

SPSS syntax

```
compute PROBGAM=0.
if pgsigr2=1 and dsmprob=0 probgam=1.
if pgsigr2=0 and dsmprob=1 probgam=1.
if pgsigr2=1 and dsmprob=1 probgam=1.
if pgsigr2=-9 and dsmprob=1 probgam=1.
if pgsigr2=1 and dsmprob=-9 probgam=1.
if pgsigr2=0 and dsmprob=0 probgam=0.
if pgsigr2=-9 and dsmprob=-9 probgam=-9.
if pgsigr2=-9 and dsmprob=0 probgam=0.
if pgsigr2=0 and dsmprob=-9 probgam=0.
if pgsigr2=-1 and dsmprob=-1 probgam=-1.
if pgsigr2=-8 and dsmprob=-8 probgam=-8.
Variable label probgam "(D) Whether a problem gambler according to either DSM OR PGSI".
Value labels PROBGAM
  0 "Not a problem gambler according to either DSM or PGSI"
  1 "Problem gambler according to either DSM or PGSI"
 -1 "Item not applicable"
 -9 "Refused/not answered"
 -8 "Unclear".

compute PROBGAM2=0.
if pgsigr2=1 and dsmprob=1 probgam2=1.
if pgsigr2=0 and dsmprob=0 probgam2=0.
if pgsigr2=-9 and dsmprob=-9 probgam2=-9.
if pgsigr2=1 and dsmprob=0 probgam2=0.
if pgsigr2=0 and dsmprob=1 probgam2=0.
if pgsigr2=-9 and dsmprob=0 probgam2=0.
if pgsigr2=0 and dsmprob=-9 probgam2=0.
if pgsigr2=1 and dsmprob=-9 probgam2=0.
if pgsigr2=-9 and dsmprob=1 probgam2=0.
if pgsigr2=-1 and dsmprob=-1 probgam2=-1.
if pgsigr2=-8 and dsmprob=-8 probgam2=-8.
variable label probgam2 "(D) Whether a problem gambler according to PGSI AND DSM".
Value labels PROBGAM2
  0 "Not a problem gambler according to DSM AND PGSI"
  1 "Problem gambler according to BOTH DSM AND PGSI"
 -1 "Item not applicable"
 -8 "Unclear"
 -9 "Refused/not answered".
```


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'.
```

Mentald: (D) Mental disorder as longlasting illness - 16+

- 1 No longlasting illness
- 2 Limiting or non-limiting longlasting illness but no mental disorder
- 3 Mental disorder

SPSS Syntax

```
numeric mentald (F3).
compute mentald=-11.
if (limlast=3) mentald=1.
if (limlast=1|limlast=2) & (complst3=0) mentald=2.
if (limlast=1|limlast=2) & (complst3=1) mentald=3.
if limlast=-9 mentald=-9.
if limlast=-8 mentald=-8.
if age lt 16 mentald=-1.
var label mentald "(D) Mental disorder as longlasting illness - 16+".
val labels mentald
-8 "Don't know"
-1 "Not applicable"
1 "No longlasting illness"
2 "Limiting or non-limiting longlasting illness but no mental disorder"
3 "Mental disorder".
exe.
```

General Wellbeing

LIFESATG:(D) Overall, how satisfied with life nowadays - grouped

- 1 Low (0-4)
- 2 Medium (5-6)
- 3 High (7-8)
- 4 Very high (9-10)

SPSS Syntax

```
Numeric LifeSatG (F3).
recode scSatis (0 thru 4 = 1) (5 thru 6 = 2) (7 thru 8 = 3) (9 thru 10 = 4) (else = copy) into LifeSatG.
variable labels LifeSatG "(D) Overall, how satisfied with life nowadays - grouped".
add value labels LifeSatG
  -1 "Not applicable"
-8 "Don't know"
-9 "Refused"
  1 "Low (0-4)"
  2 "Medium (5-6)"
  3 "High (7-8)"
  4 "Very high (9-10)".
```

BESTHEALTH3: (D) 11111 health status in 3 groups

- 1 No problems (11111)
- 2 Slight or moderate but not severe
- 3 At least one severe problem

SPSS Syntax

```
Numeric BestHealth3 (F2.0).
compute BESTHEALTH3=2.
if (Mobil17=1) & (Selfca17=1) & (UsualA17=1) & (Pain17=1) & (Anxiet17=1) BESTHEALTH3=1.
if any(-9, Mobil17, Selfca17, UsualA17, Pain17, Anxiet17) BESTHEALTH3=-9.
if any(-8, Mobil17, Selfca17, UsualA17, Pain17, Anxiet17) BESTHEALTH3=-8.
if any(-1, Mobil17, Selfca17, UsualA17, Pain17, Anxiet17) BESTHEALTH3=-1.
if any(Mobil17,4,5) | any(Selfca17,4,5) | any(UsualA17,4,5) | any(Pain17,4,5) | any(Anxiet17,4,5) BESTHEALTH3=3.
variable labels BESTHEALTH3 "(D) 11111 health status in 3 groups".
value labels BESTHEALTH3
-1 "Not applicable" -8 "Don't know" -9 "Refused" 1 "No problems (11111)" 2 "Slight or moderate but not
severe" 3 "At least one severe problem".
```

BESTHEALTH2: (D) 11111 health status in 2 groups

- 1 No problems (11111)
- 2 At least one slight, moderate or severe problem

SPSS Syntax

```
recode besthealth3 (1=1) (2,3=2) (else=copy) into besthealth2.
add value labels 1 "No problems (11111)"
2 "At least one slight, moderate or severe problem."
variable labels Besthealth2 "(D) 11111 health status in 2 groups"
```

Mobil17g3: (D) General health today - mobility - 3 groups

- 1 No problems walking about
- 2 Slight or moderate problems walking about
- 3 Severe problems walking about, or unable to walk about

SelfCa17g3: (D) General health today - self-care - 3 groups

- 1 No problems washing or dressing
- 2 Slight or moderate problems washing or dressing
- 3 Severe problems washing or dressing, or unable to wash or dress myself

UsualA17g3: (D) General health today - usual activities - 3 groups

- 1 No problems doing usual activities
- 2 Slight or moderate problems doing usual activities
- 3 Severe problems doing usual activities, or unable to do usual activities

Pain17g3: (D) General health today - pain/discomfort - 3 groups

- 1 No pain or discomfort
- 2 Slight or moderate pain or discomfort
- 3 Severe or extreme pain or discomfort

Anxiet17g3: (D) General health today - anxiety/depression - 3 groups

- 1 Not anxious or depressed
- 2 Slightly or moderately anxious or depressed
- 3 Severely or extremely anxious or depressed

SPSS Syntax

```
*MOBIL17g3.
recode Mobil17 (1=1) (2,3=2) (4,5=3) (else=copy) into Mobil17g3.

*SELFCAL7g3.
recode SelfCa17 (1=1) (2,3=2) (4,5=3) (else=copy) into SelfCa17g3.

*USUALA17g3.
recode UsualA17 (1=1) (2,3=2) (4,5=3) (else=copy) into UsualA17g3.

*PAIN17g3.
recode Pain17 (1=1) (2,3=2) (4,5=3) (else=copy) into Pain17g3.

*ANXIET17g3.
recode Anxiet17 (1=1) (2,3=2) (4,5=3) (else=copy) into Anxiet17g3.
variable labels Mobil17g3 "(D) General health today - mobility - 3 groups"
SelfCa17g3 "(D) General health today - self-care - 3 groups"
UsualA17g3 "(D) General health today - usual activities - 3 groups"
Pain17g3 "(D) General health today - pain/discomfort - 3 groups"
Anxiet17g3 "(D) General health today - anxiety/depression - 3 groups".
Add value labels Mobil17g3 1 "No problems walking about"
2 "Slight or moderate problems walking about"
3 "Severe problems walking about, or unable to walk about".
Add value labels SelfCa17g3 "1 No problems washing or dressing"
```

```

2 "Slight or moderate problems washing or dressing"
3 "Severe problems washing or dressing, or unable to wash or dress myself".
Add value labels UsualA17g3 1 "No problems doing usual activities"
2 "Slight or moderate problems doing usual activities"
3 "Severe problems doing usual activities, or unable to do usual activities"
Add value labels Pain17g3 1 "No pain or discomfort"
2 "Slight or moderate pain or discomfort"
3 "Severe or extreme pain or discomfort".
Anxiet17g3 1 "Not anxious or depressed"
2 "Slightly or moderately anxious or depressed"
3 "Severely or extremely anxious or depressed".

```

GHQ

ghq12scr: (D) GHQ Score - 12 point scale

SPSS Syntax

```

COMPUTE ghq12scr = 0 .
RECODE ghqconc (-6,-2,-1=COPY) into ghq12scr.
DO REPEAT ghqtemp=ghqconc to ghqhappy.
IF ANY(ghqtemp,3,4) ghq12scr=ghq12scr+1.
END REPEAT.
IF (ANY(-9,ghqconc to ghqhappy)) ghq12scr=-9 .
IF (ANY(-8,ghqconc to ghqhappy)) ghq12scr=-8.

```

GHQg2: (D) GHQ Score - grouped (0,1-3, 4+)

- 1 Score 0
- 2 Score 1-3
- 3 Score 4+

SPSS Syntax

```

RECODE ghq12scr (-9 thru -1=Copy) (0=1) (1 thru 3=2) (4 thru Highest=3) INTO GHQg2.
Variable labels GHQg2 "(D) GHQ Score - grouped (0.1-3.4+)".
Add value labels GHQg2 1 "Score 0"
2 "Score 1-3"
3 "Score 4+".

```

GHQ: (D) GHQ Binary

- 0 Score 0-3
- 1 Score 4+
- 99 No score available

SPSS Syntax

```

recode ghqg2 (-99 thru -2=-99) (1=0) (2=0) (3=1) (else=copy) into GHQ.
Variable labels GHQ "(D) GHQ Binary".
Value labels 0 "Score 0-3"
1 "Score 4+"
-99 "No score available".

```

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 longstanding illness'
2 'Non limiting longstanding illness'
3 'No longstanding illness'.

```

LIMITILL: (D) Limiting longstanding illness

SPSS Syntax

```

COMPUTE limitill=-99.
DO IF any(indout,110,210).

```

```

RECODE I1112m (1=2) (2=3) (ELSE=COPY) INTO limitill.
IF any(ReducAct,1,2) limitill=1.
END IF.
Variable labels Limitill "(D) Limiting longstanding illness".
Add value labels Limitill 1 "Limiting LI"
2 "Non-limiting LI"
3 "No LI".

```

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 I1112m<0 xcompl=-9.
END REPEAT.
DO REPEAT xill12=I1112M1 I1112M2 I1112M3 I1112M4 I1112M5 I1112M6.
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 (I1112m=1 & xill12=42) complst18 = 1 .
END REPEAT.
IF (I1112m = 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 complst15 complst18 complst99
  0 'No condition present'
  1 'Has condition'.
Value LABELS complst17 0 "No (has longlasting illness)"
  1 "Yes (No longlasting illness)".

```

CONCLCNT: (D) Number of grouped condition categories

0 No LS illness

SPSS Syntax

```

IF Ill12m=2 condlcnt=0 .
DO IF Ill12m=1.
COUNT condlcnt=complst1 TO complst15 (1) .
END IF.
IF (Ill12m = 1 & (Ill12M1 = 41 | Ill12M1<0)) condlcnt = 1 .
IF Ill12m<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".

```

compexp1: (D) Diabetes

compexp2: (D) Other endocrine/metabolic

compexp3: (D) Stroke/cerebral haemorrhage/cerebral thrombosis OR Ischaemic Heart Disease /heart attack/angina

compexp4: (D) Hypertension/high blood pressure/blood pressure(nes)

compexp5: (D) Other heart and circulatory problems

compexp6: (D) COPD – Chronic Obstructive Pulmonary Disease/ bronchitis/emphysema

compexp7: (D) Asthma

compexp8: (D) Hayfever and other respiratory complaints

compexp9: (D) Arthritis/rheumatism/fibrositis

compexp10: (D) Back problems/slipped disc/spine/neck

compexp11: (D) Other problems of bones/joints/muscles

SPSS Syntax

```

DO REPEAT xcomplstexp=compexp1 compexp2 compexp3 compexp4 compexp5 compexp6 compexp7 compexp8 compexp9
compexp10 compexp11.
COMPUTE xcomplstexp=0.
IF Ill12m<0 xcomplstexp=-9.

```

```

END REPEAT.
DO REPEAT xill12=I1112M1 I1112M2 I1112M3 I1112M4 I1112M5 I1112M6.
IF xill12=2 compexp1=1.
IF xill12=3 compexp2=1.
IF (RANGE(xill12,15,16)) compexp3=1.
IF xill12=17 compexp4=1.
IF (RANGE(xill12,18,21)) compexp5=1.
IF xill12=22 compexp6=1.
IF xill12=23 compexp7=1.
IF (RANGE(xill12,24,25)) compexp8=1.
IF xill12=34 compexp9=1.
IF xill12=35 compexp10=1.
IF xill12=36 compexp11=1.
END REPEAT. Add value labels compexp1 to compexp11 0"No condition present" 1 "Has condition".
variable labels compexp1 "(D) Diabetes"
compexp2 "(D) Other endocrine/metabolic"
compexp3 "(D) Stroke/cerebral haemorrhage/cerebral thrombosis OR Ischaemic Heart Disease /heart
attack/angina"
compexp4 "(D) Hypertension/high blood pressure/blood pressure(nes)"
compexp5 "(D) Other heart and circulatory problems"
compexp6 "(D) COPD - Chronic Obstructive Pulmonary Disease/ bronchitis/emphysema"
compexp7 "(D) Asthma"
compexp8 "(D) Hayfever and other respiratory complaints"
compexp9 "(D) Arthritis/rheumatism/fibrositis"
compexp10 "(D) Back problems/slipped disc/spine/neck"
compexp11"(D) Other problems of bones/joints/muscles".

```

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)
 ANTIDIABM2: (D) Antidiabetic prescribed (binary)
 ANTIBACM2: (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

```

DO REPEAT xxdrug2=diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmedc2 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 bpmedc2=-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 COPM2=-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) bpmedc2=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 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?
 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.
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?'
medtyp14 '(D) Contraception taken?' .
VALUE LABELS medtyp1 TO medtyp14 0 'No' 1 'Yes'.
```

NUMED: (D) Number of prescribed medicines taken (grouped 4+)

0 Doesn't take prescribed meds
 4 Four or more

SPSS Syntax

```
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'.
```


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

```
Recode MedsNum (8 thru hi=8) (ELSE=COPY) INTO MedsNumG8.  
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".
```

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

```
Recode MedsNum (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".
```

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".

```

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".

```

MedsTak2g3: (D) Number of medications taken in last 7 days in 3 groups (excluding contraceptives & nicotine dependency drugs)

```

0 None
1 1 or 2
2 3 or more

```

SPSS Syntax

```

recode MedsTak2g8 (lo thru -1 = copy) (0=0) (1 thru 2 = 1) (3 thru hi = 2) into MedsTak2g3.
Variable labels MedsTak2g3 "(D) Number of medications taken in last 7 days in 3 groups (excluding contraceptives & nicotine dependency drugs)".
Value labels MedsTak2g3 0 "None"
1 "1 or 2"
2 "3 or more".

```

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".

```

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".

```

LIPIDTAKG2: (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".
```

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".
```

ANALGTAKG2: (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".
```

PROTONTAKG2: (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".
```

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".
```

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".
```

ANTIDIABTAKG2: (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".
```

ANTIBACTAG2: (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".
```

DIURTAk2: (D) Any prescribed diuretic medications taken in last 7 days (binary)

0 No
1 Yes,at least one

SPSS Syntax

```
NUMERIC DIURTAk2 (F3).  
RECODE DIURTAk (2 THRU HI=1) (ELSE=COPY) INTO DIURTAk2.  
VARIABLE LABELS DIURTAk2 "(D) Any prescribed diuretic medications taken in last 7 days (binary)".  
VALUE LABELS DIURTAk2  
-8 "Don't know"  
-1 "Not applicable"  
0 "No"  
1 "Yes,at least one".
```

NSAIDTAk2: (D) Any prescribed NSAIDs medications taken in last 7 days (binary)

0 No
1 Yes,at least one

SPSS Syntax

```
NUMERIC NSAIDTAk2 (F3.0).  
RECODE NSAIDTAk (2 THRU HI=1) (ELSE=COPY) INTO NSAIDTAk2.  
VARIABLE LABELS NSAIDTAk2 "(D) Any prescribed NSAIDs medications taken in last 7 days (binary)".  
VALUE LABELS NSAIDTAk2  
-8 "Don't know"  
-1 "Not applicable"  
0 "No"  
1 "Yes,at least one".
```

ACETAk2: (D) Any prescribed ACE medications taken in last 7 days (binary)

0 No
1 Yes,at least one

SPSS Syntax

```
NUMERIC ACETAk2 (F3.0).  
RECODE ACETAk (2 THRU HI=1) (ELSE=COPY) INTO ACETAk2.  
VARIABLE LABELS ACETAk2 "(D) Any prescribed ACE medications taken in last 7 days (binary)".  
VALUE LABELS ACETAk2  
-8 "Don't know"  
-1 "Not applicable"  
0 "No"  
1 "Yes,at least one".
```

METFORTAk2: (D) Any prescribed Metformin medications taken in last 7 days (binary)

0 No
1 Yes,at least one

SPSS Syntax

```
NUMERIC METFORTAk2 (F3.0).  
RECODE METFORTAk (2 THRU HI=1) (ELSE=COPY) INTO METFORTAk2.  
VARIABLE LABELS METFORTAk2 "(D) Any prescribed Metformin medications taken in last 7 days (binary)".  
VALUE LABELS METFORTAk2  
-8 "Don't know" -1 "Not applicable" 0 "No" 1 "Yes,at least one".
```

ANTIPSYTAk2: (D) Any prescribed Antipsychotic medications taken in last 7 days (binary)

0 No
1 Yes,at least one

SPSS Syntax

```
NUMERIC ANTIPSYTAk2 (F3.0).  
RECODE ANTIPSYTAk (2 THRU HI=1) (ELSE=COPY) INTO ANTIPSYTAk2.  
VARIABLE LABELS ANTIPSYTAk2 "(D) Any prescribed Antipsychotic medications taken in last 7 days (binary)".  
VALUE LABELS ANTIPSYTAk2  
-8 "Don't know" -1 "Not applicable"  
0 "No" 1 "Yes,at least one".
```

HYPNOTAKg2: (D) Any prescribed Hypnotics medications taken in last 7 days (binary)

0 No
1 Yes,at least one

SPSS Syntax

```
NUMERIC HYPNOTAKg2 (F3.0).  
RECODE HYPNOTAK (2 THRU HI=1)(ELSE=COPY) INTO HYPNOTAKg2.  
VARIABLE LABELS HYPNOTAKg2 "(D) Any prescribed Hypnotics medications taken in last 7 days (binary)".  
VALUE LABELS HYPNOTAKg2 -8 "Don't know" -1 "Not applicable" 0 "No" 1 "Yes,at least one".
```

MENHTAKg2: (D) Any prescribed mental health medications taken in last 7 days (binary)

0 No
1 Yes,at least one

SPSS Syntax

```
NUMERIC MENHTAKg2 (F3.0).  
RECODE MENHTAK (2 THRU HI=1)(ELSE=COPY) INTO MENHTAKg2.  
VARIABLE LABELS MENHTAKg2 "(D) Any prescribed mental health medications taken in last 7 days (binary)".  
VALUE LABELS MENHTAKg2  
-8 "Don't know"  
-1 "Not applicable"  
0 "No"  
1 "Yes,at least one".
```

HyperATakg2: (D) Any prescribed antiHypertensives taken in last 7 days regardless of Hypertension (binary)

0 No
1 Yes,at least one

SPSS Syntax

```
NUMERIC HyperATakg2 (F2).  
RECODE HyperATak (2 THRU HI=1)(ELSE=COPY) INTO HyperATakg2.  
VARIABLE LABELS HyperATakg2 "(D) Any prescribed antiHypertensives taken in last 7 days regardless of Hypertension (binary)".  
VALUE LABELS HyperATakg2  
-8 "Don't know" -1 "Not applicable" 0 "No" 1 "Yes,at least one".
```

Antiplatelet2: (D) Number of antiplatelet meds in last 7 days (grouped)

00
1 1+

SPSS Syntax

```
RECODE antiplatelet (0=0)(1 thru hi=1) (lo thru -1=COPY) INTO antiplatelet2.  
var label antiplatelet2 "(D) Number of antiplatelet meds in last 7 days (grouped)".  
val labels antiplatelet2  
-8 "Don't know"  
-1 "Not applicable"  
0 "0"  
1 "1+".
```

PHYSTAKg2: D) Any prescribed physical health medications taken in the last seven days (binary)

SPSS Syntax

```
RECODE phystak (2 THRU HI=1)(ELSE=COPY) INTO phystakg2. Variable labels PHYSTAKg2 "(D) Any prescribed physical health medications taken in the last seven days (binary)".  
Value labels Phystakg2 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'.
```

GENHEL4: (D) Self-assessed general health – four categories

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

SPSS Syntax

```
recode Genhelf (1=1) (2=2) (3=3) (4=4) (5=4) (-1=-1) (-8=-8) (-9=-9) into GenHelf4.  
var lab GenHelf4 '(D) Self reported health - four categories'.  
val lab GenHelf4  
1 'Very good' 2 'Good' 3 'Fair' 4 'Bad/very bad' -1 'Not applicable' -8 "Don't know" -9 "Refused".
```

Cardiovascular disease

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".
```

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}".
```

DIABETE3RA: (D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised} [adjusted to be comparable to pre-September 2013]

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

SPSS Syntax

```
recode glyhbvala (6.5 thru hi = 3) (0 thru 6.4 = 1) (else = copy) into diabete3ra.  
if glyhbvala>0 and diabete2r = 1 diabete3ra = 2.  
if diabete2r<0 diabete3ra = diabete2r.  
add value labels diabete3ra 1 "No diabetes"  2 "Doctor diagnosed diabetes"  
  3 "Undiagnosed diabetes HbA1c>=6.5".  
var label diabete3ra "(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised} [adjusted to be comparable to pre-September 2013)".
```

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)".
```


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  $\geq 6.5$ ".
var label diabtotr "(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}".
freq diabtotr diabtotr.
```

diab3mmol: (D) Diabetes from blood sample (48+mmol/mol) or doctor diagnosis (excluding pregnancy-only diabetes)

- 1 No diabetes
- 2 "Doctor diagnosed diabetes
- 3 Undiagnosed diabetes HbA1c ≥ 48 mmol/l

diab3mmolg: (D) Total diabetes from blood sample or doctor diagnosis

- 1 No diabetes
- 2 Doctor diagnosed diabetes and or HbA1c ≥ 48 mmol/l

SPSS Syntax

```
Numeric diab3mmol (F3).
compute diab3mmol =-11.
If (ifcvala>0 & ifcvala<48) & (diabete2=2) diab3mmol =1.
If (ifcvala>0 & diabete2=1) diab3mmol =2.
If (ifcvala $\geq 48$ ) & (diabete2=2) diab3mmol =3.
If any(-9,diabete2,ifcvala) diab3mmol =-9.
If any(-8,diabete2,ifcvala) diab3mmol =-8.
If any(-1,diabete2,ifcvala) diab3mmol =-1.
Value labels diab3mmol
-9 "Refused"
-8 "Don't know"
-1 "Not applicable"
1 "No diabetes"
2 "Doctor diagnosed diabetes"
3 "Undiagnosed diabetes HbA1c $\geq 48$ mmol/l".
Variable label diab3mmol "(D) Diabetes from blood sample (48+mmol/mol) or doctor diagnosis (excluding pregnancy-only diabetes)".

fre diab3mmol .

cro ifcvala by diab3mmol by diabete2.

* Grouped

Numeric diab3mmolg (F3).
recode diab3mmol (3=2) (else = copy) into diab3mmolg.
add value labels diab3mmolg
-9 "Refused"
-8 "Don't know"
-1 "Not applicable"
1 "No diabetes"
2 "Doctor diagnosed diabetes and or HbA1c  $\geq 48$ mmol/l".
variable label diab3mmolg "(D) Total diabetes from blood sample or doctor diagnosis".
```

Asthma

SYMPWHZ12: (D) Wheezing in the last 12 months

- 1 Last 12 months
- 2 Not in last 12 months
- 3 Never had

SPSS Syntax

```
compute sympwhz12=-99.  
if (twewz=-9)|(everw=-9) sympwhz12=-9.  
if (twewz=-8)|(everw=-8) sympwhz12=-8.  
if (twewz=1) sympwhz12=1.  
if (twewz=2) sympwhz12=2.  
if (everw=2) sympwhz12=3."  
Variable labels SYMPWHZ12 "(D) Wheezing in the last 12 months".  
Add value labels sympwhz12 1 "Last 12 months" 2 "Not in last 12 months" 3 "Never had".
```

SYMASS: (D) Self-reported current asthma, recoded into Yes/No

- 1 Yes
- 2 No

SPSS Syntax

```
recode SymAs (-8, -1=COPY) (3=2) (2,1=1) INTO SymAsS.  
Variable labels SYMASS "(D) Self-reported current asthma, recoded into Yes/No".  
Add value labels SYMASS 1 "Yes" 2 "No".
```

ASTHMA: (D) Asthma - 3 categories

- 1 Current asthma
- 2 Past asthma
- 3 Never had asthma

SPSS Syntax

```
compute Asthma=-99.  
do if SymAsS=1.  
compute Asthma=1.  
else if SymAsS=2 and ConDR=1.  
compute Asthma=2.  
else if ConDR=2.  
compute Asthma=3.  
else if symass=-8 or condr=-8.  
compute asthma=-8.  
else if symass=-9 or condr=-9.  
compute asthma=-9.  
end if.  
Variable labels ASTHMA "(D) Asthma - 3 categories".  
Add value labels ASTHMA 1 "Current asthma" 2 "Past asthma" 3 "Never had asthma".
```

ASYMPTOMS3: (D) Symptoms of asthma (adults and children), 3 categories

- 1 Symptoms
- 2 No symptoms, medication
- 3 No symptoms, no medication

SPSS Syntax

```
compute asymptoms3=-99.  
if (symas=1) asymptoms3=1.  
if (symas=2) asymptoms3=2.  
if (symas=3|conDR=2) asymptoms3=3.  
if (symas=-9|conDR=-9) asymptoms3=-9.  
if (symas=-8|conDR=-8) asymptoms3=-8.  
Variable labels ASYMPTOMS3 "(D) Symptoms of asthma (adults and children), 3 categories".  
Add value labels ASYMPTOMS3 1 "Symptoms" 2 "No symptoms, medication" 3 "No symptoms, no medication".
```

SYMPWHZ: (D) Symptoms of wheezing: with or without cold

- 1 Symptoms with no cold
- 2 Symptoms only with cold
- 3 Never

SPSS Syntax

```
compute sympwhz=-99.  
if (nocol=-9)|(everw=-9) sympwhz=-9.
```

```
if (nocol=-8)|(everw=-8) sympwhz=-8.
if (nocol=1) sympwhz=1.
if (nocol=2) sympwhz=2.
if (everw=2) sympwhz=3.
Variable labels SYMPWHZ "(D) Symptoms of wheezing: with or without cold".
Add Value labels SYMPWHZ 1 "Symptoms with no cold" 2 "Symptoms only with cold" 3 "Never".
```

CONTROL2: (D) Controlled/ uncontrolled asthma

0 Controlled asthma
1 Uncontrolled asthma

SPSS Syntax

```
compute control2=0.
if symas=1 control2=1.
if symas = -1 control2= -1.
if symas = -8 control2 = -8. Variable labels CONTROL2 "(D) Controlled/ uncontrolled asthma". Add Value
labels 0 "Controlled asthma" 1 "Uncontrolled asthma".
```

Smoking

Adults General

CIGPIPENOW18: (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 CigPipeNow18=-99.
IF SmkEvr<0 CigPipeNow18=SmkEvr.
IF SmkEvr=2 CigPipeNow18=0.
IF SmkEvr=1 & age>=18 & ( (pipenowA=2) | cigarnow=2) CigPipeNow18=1.
IF SmkEvr=1 & age>=16 & ((pipenowA=-1) | cigarnow=-1) CigPipeNow18=2.
IF SmkEvr=1 & age>=18 & ( (pipenowA=1) | cigarnow=1) CigPipeNow18=3.
if any(-9, pipenowa, cigarnow) CigPipeNow18=-9.
if any(-8, pipenowa, cigarnow) CigPipeNow18=-8.
IF range(age,0,15) CigPipeNow18=-1.
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) cigst1=1.
RECODE cigreg (3=1)(2=2)(1=3) INTO cigst1.
IF cignow=1 cigst1=4.
IF ANY(-9,smkevr,cignow,cigevr,cigreg) cigst1=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigreg) cigst1=-8.
IF smkevr=-1 cigst1=-1.
IF age<16 cigst1=-1.
VARIABLE LABELS cigst1 "(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current".
VALUE LABELS cigst1
 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 cigdya1 (-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 LABELS 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" .
```

EXPSMOK4: (D) Number of hours exposed to other people's smoke, grouped (c+sc)

- 1 None
- 2 1
- 3 2-6
- 4 7+

SPSS Syntax

```
recode expsmok (7 thru hi = 4) (2 thru 6 = 3) (1 thru 1 = 2) (0=1) (else = copy) into expsmok4.
VARIABLE LABELS Expsmok4 (D) Number of hours exposed to other people's smoke, grouped (c+sc)".
VALUE LABELS Expsmok4 1 "None" 2 "1" 3 "2-6" 4 "7+".
```

ECIGUSE: (D) E-cigarette or vaping device use (current use, not a current user but has used, never used)

- 1 Currently uses e-cigarettes or vaping device
- 2 Not a current user but has tried e-cigarettes or vaping device
- 3 Never tried e-cigarettes or vaping device

SPSS Syntax

```
numeric eciguse (F2.0).
if ecigevr=1 or ecigevr=2 eciguse=2.
if ecignw=1 eciguse=1.
if ecigevr=3 eciguse=3.
if any(-8, ecigevr, ecignw) eciguse = -8.
if ecigevr=-1 and ecignw=-1 eciguse = -1.
if any(-9, ecigevr, ecignw) eciguse = -9.
variable labels eciguse "(D) E-cigarette or vaping device use (current use, not a current user but has used, never used)".
add value labels eciguse 1 "Currently uses e-cigarettes or vaping device" 2 "Not a current user but has tried e-cigarettes or vaping device" 3 "Never tried e-cigarettes or vaping device"
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
```

ECIGUSE2: (D) E-cigarette or vaping device use - used/never used

- 1 Some experience
- 2 Never tried

SPSS Syntax

```
recode eciguse (10 thru -1 = copy) (1 thru 2=1) (3=2) into eciguse2. Variable labels ECIGUSE2 "(D) E-cigarette or vaping device use - used/never used".
Add value labels 1 "Some experience" 2 "Never tried".
```

Adult Current Smokers

CIGDYAL: (D) Number of cigarettes smoked a day - inc non-smokers

SPSS Syntax

```
IF cigwday>=0 & cigwend>=0 cigdyal=((5*cigwday)+(2*cigwend))/7.
IF ANY(-9,cigwday,cigwend) cigdyal=-9.
IF ANY(-8,cigwday,cigwend) cigdyal=-8.
IF age<16 cigdyal=-1.
RECODE cignow(-9,-8,-1=COPY) (2=0) INTO cigdyal.
RECODE smkevr(-9,-8,-1=COPY) (2=0) INTO cigdyal.
RECODE cigevr(-9,-8=COPY) (2=0) INTO cigdyal.
formats cigdyal (F2.1).
VARIABLE LABELS cigdyal "(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".
```

KCIGREGD: (D) Cigarette smoking status (8-15 year olds)

- 1 Have smoked
- 2 Never smoked

SPSS Syntax

```
recode kcigreg (1=2)(2 thru 6=1)(else=copy) into KCigRegD.
Variable labels KCIGREGD (D) "Cigarette smoking status (8-15 year olds)".
Add value labels Kcigregd 1 "Have smoked" 2 "Never smoked"
```

KECIGEVD: (D) Ever used an electronic cigarette (ever/never) - 8-15s

- 1 Used electronic cigarettes
- 2 Never used electronic cigarettes

SPSS Syntax

```
recode KECigReg (2 thru 5 = 1) (1=2) (else = copy) into KECigEvD.
KECIGEVD "(D) Ever used an electronic cigarette (ever/never) - 8-15s".
Add value labels 1 "Used electronic cigarettes"
2 "Never used electronic cigarettes".
```

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 ANRNow_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".
```

Cotinine

COTVAL: (D) Valid cotinine result (saliva) – 4-15 year olds

SPSS Syntax

```
NUMERIC cotval (F3.2).
COMPUTE cotval=cotinine.
IF ANRNow_9 =0 & range(age,4,15) cotval=-90.
VARIABLE LABELS cotval "(D) Valid Cotinine (saliva) - 4-15 year olds ".
VALUE LABELS cotval
  -90 "Use nicotine products"-1 "Not applicable.
Cot12Val3 -1 "Not applicable" 1 "Below 12 ng/ml" 2 "At least 12+ ng/ml" .
```


cot15val: (D) Valid Cotinine (saliva): 0<15,15+

SPSS Syntax

```
NUMERIC cot15val (f2.0).
RECODE cotval (lo thru -1=COPY)(15 thru hi=2)(0 thru 15=1) INTO cot15val.
VARIABLE LABELS cot15val "(D) Valid Cotinine (saliva): 0<15,15+".
VALUE LABELS cot15val
-1 "Not applicable"      1 "0<15 ng/ml"      2 "15+ ng/ml"      -90 "Use nicotine products".
```

Cot12ValKids: (D) Cotinine below/above 12 ng/ml (children 4-15) excl current use of NDPs

- 1 Below 12 ng/ml
- 2 At least 12+ ng/ml

SPSS Syntax

```
NUMERIC Cot12ValKids (F3.0).
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 RANGE(AGE,4,15) AND 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" .
```

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 "0.0 01 to less than 1 ng/ml".
```

cot12kids: (D) Cotinine (saliva): 0<12,12+ including NDP users

- 1 0<12 ng/ml
- 2 12+ ng/ml

SPSS Syntax

```
RECODE cotinine (lo thru -1=COPY)(12 thru hi=2)(0 thru 12=1) INTO cot12kids.
exe.
variable labels cot12kids "(D) Cotinine (saliva): 0<12,12+ including NDP users".
Add value labels 1 "0<12 ng/ml" 2 "12+ ng/ml".
```

Adult Physical Activity

International Physical Activity Questionnaire (IPAQ)

Lst7Wal: (D) Number of days in last 7 walked for at least 10 minutes at a time

Lst7Mod: (D) Number of days in last 7 did moderate physical activity

Lst7Vig: (D) Number of days in last 7 did vigorous physical activity

SPSS Syntax

```
NUMERIC Lst7Vig (F1.0).
COUNT Lst7Vig = DaysVig1, DaysVig2, DaysVig3, DaysVig4, DaysVig5, DaysVig6, DaysVig7 (1).
IF any(-9,DaysVig1, DaysVig2, DaysVig3, DaysVig4, DaysVig5, DaysVig6, DaysVig7) Lst7Vig = -9.
IF any(-8,DaysVig1, DaysVig2, DaysVig3, DaysVig4, DaysVig5, DaysVig6, DaysVig7) Lst7Vig = -8.
IF any(-1,DaysVig1, DaysVig2, DaysVig3, DaysVig4, DaysVig5, DaysVig6, DaysVig7) Lst7Vig = -1.
EXECUTE.
VARIABLE LABELS Lst7Vig '(D) Number of days in last 7 did vigorous physical activity (NurSCDat.Lst7Vig)'.
value labels Lst7Vig -9 "Refused" -8 "Don't know" -1 "Not applicable"

**LST7MOD **
=====
NUMERIC Lst7Mod (F1.0).
COUNT Lst7Mod = DaysMod1, DaysMod2, DaysMod3, DaysMod4, DaysMod5, DaysMod6, DaysMod7 (1).
IF any(-9,DaysMod1, DaysMod2, DaysMod3, DaysMod4, DaysMod5, DaysMod6, DaysMod7) Lst7Mod = -9.
IF any(-8,DaysMod1, DaysMod2, DaysMod3, DaysMod4, DaysMod5, DaysMod6, DaysMod7) Lst7Mod = -8.
IF any(-1,DaysMod1, DaysMod2, DaysMod3, DaysMod4, DaysMod5, DaysMod6, DaysMod7) Lst7Mod = -1.
EXECUTE.
VARIABLE LABELS Lst7Mod (D) 'Number of days in last 7 did moderate physical activity'.
value labels Lst7Mod -9 "Refused" -8 "Don't know" -1 "Not applicable".

**LST7WAL**
=====
NUMERIC Lst7Wal (F1.0).
COUNT Lst7Wal = DaysWal1, DaysWal2, DaysWal3, DaysWal4, DaysWal5, DaysWal6, DaysWal7 (1).
IF any(-9,DaysWal1, DaysWal2, DaysWal3, DaysWal4, DaysWal5, DaysWal6, DaysWal7) Lst7Wal = -9.
IF any(-8,DaysWal1, DaysWal2, DaysWal3, DaysWal4, DaysWal5, DaysWal6, DaysWal7) Lst7Wal = -8.
IF any(-1,DaysWal1, DaysWal2, DaysWal3, DaysWal4, DaysWal5, DaysWal6, DaysWal7) Lst7Wal = -1.
EXECUTE.
VARIABLE LABELS Lst7Wal '(D) Number of days in last 7 walked for at least 10 minutes at a time'.
value labels Lst7Wal -9 "Refused" -8 "Don't know" -1 "Not applicable"
```

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.
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.
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

```
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.
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

```
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.
VARIABLE LABELS TotmSitD "(D) IPAQ: Total number of minutes spent sitting on a weekday".
```

TOTMVGWK: (D) IPAQ: Total number of minutes of vigorous activity in the last 7 days

SPSS Syntax

```
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.
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

```
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.
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

```
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.
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

```
COMPUTE TotmSitWk=-99.
IF TotmSitD=-1 TotmSitWk=-1.
IF TotmSitD>=0 TotmSitWk=5*TotmSitD.
IF TotmSitD=-9 TotmSitWk=-9.
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

```
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)

SPSS Syntax

```
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

```
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)

SPSS Syntax

```
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

```
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

```
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".
```

MVPATERT: (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

```
COMPUTE MVPATert=-999.
if MVPAmWk<0 MVPATert=MVPAmWk.
if sex=1 & range(MVPAmWk,0,80) MVPATert=1.
if sex=1 & range(MVPAmWk,81,540) MVPATert=2.
if sex=1 & range(MVPAmWk,541,15120) MVPATert=3.
if sex=2 & range(MVPAmWk,0,60) MVPATert=1.
if sex=2 & range(MVPAmWk,61,420) MVPATert=2.
if sex=2 & range(MVPAmWk,421,15120) 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".
```

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.  
*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.  
*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.  
*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 rechlpa=-99 & (taskhelpa=1 & tasksa=1) rechlpa=1.  
*Received help and needed it*.  
IF rechlpa=-99 & (taskhelpa=1 & any(tasksa,2,3,4)) rechlpa=2.  
*Did not receive help but needed it*.  
IF rechlpa=-99 & (taskhelpa=2 & any(tasksa,2,3,4)) rechlpa=3.  
*Did not receive help but didn't need it*.  
IF rechlpa=-99 & (taskhelpa=2 & tasksa=1) rechlpa=4.  
*Missing info on receipt of help or help needed*.  
IF rechlpa=-99 & any(taskhelpa,-8,-9) | any(tasksa,-8,-9) rechlpa=-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.  
*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 & (taskhlp=1 & tasksc=1) rechlpc=1.  
*Received help and needed it*.  
IF rechlpc=-99 & (taskhlp=1 & any(tasksc,2,3,4)) rechlpc=2.  
*Did not receive help but needed it*.  
IF rechlpc=-99 & (taskhlp=2 & any(tasksc,2,3,4)) rechlpc=3.  
*Did not receive help but didn't need it*.  
IF rechlpc=-99 & (taskhlp=2 & tasksc=1) rechlpc=4.  
*Missing info on receipt of help or help needed*.  
IF rechlpc=-99 & any(taskhlp,-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.  
*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 & (taskhlpd=1 & tasksd=1) rechlpd=1.  
*Received help and needed it*.  
IF rechlpd=-99 & (taskhlpd=1 & any(tasksd,2,3,4)) rechlpd=2.  
*Did not receive help but needed it*.  
IF rechlpd=-99 & (taskhlpd=2 & any(tasksd,2,3,4)) rechlpd=3.  
*Did not receive help but didn't need it*.  
IF rechlpd=-99 & (taskhlpd=2 & tasksd=1) rechlpd=4.  
*Missing info on receipt of help or help needed*.  
IF rechlpd=-99 & any(taskhlpd,-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.  
*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 & (taskhlpb=1 & tasksb=1) rechlpb=1.  
*Received help and needed it*.  
IF rechlpb=-99 & (taskhlpb=1 & any(tasksb,2,3,4)) rechlpb=2.  
*Did not receive help but needed it*.  
IF rechlpb=-99 & (taskhlpb=2 & any(tasksb,2,3,4)) rechlpb=3.  
*Did not receive help but didn't need it*.  
IF rechlpb=-99 & (taskhlpb=2 & tasksb=1) rechlpb=4.  
*Missing info on receipt of help or help needed*.  
IF rechlpb=-99 & any(taskhlpb,-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.  
*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
- 5 No help required for any task, ie independent

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 rechlpl=-99.
*Not applicable aged<65yrs*.
IF rechlpl=-99 & range(age,0,64) rechlpl=-1.
*No help required for any task, ie independent*.
IF rechlpl=-99 & anyhlp=2 rechlpl=5.
*Received help but didn't need it*.
IF rechlpl=-99 & (taskhelpl=1 & tasksl=1) rechlpl=1.
*Received help and needed it*.
IF rechlpl=-99 & (taskhelpl=1 & any(tasksl,2,3,4)) rechlpl=2.
*Did not receive help but needed it*.
IF rechlpl=-99 & (taskhelpl=2 & any(tasksl,2,3,4)) rechlpl=3.
*Did not receive help but didn't need it*.
IF rechlpl=-99 & (taskhelpl=2 & tasksl=1) rechlpl=4.
*Missing info on receipt of help or help needed*.
IF rechlpl=-99 & any(taskhelpl,-8,-9) | any(tasksl,-8,-9) rechlpl=-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.  
*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 & (taskhelpm=1 & tasksm=1) rechlpm=1.  
*Received help and needed it*.  
IF rechlpm=-99 & (taskhelpm=1 & any(tasksm,2,3,4)) rechlpm=2.  
*Did not receive help but needed it*.  
IF rechlpm=-99 & (taskhelpm=2 & any(tasksm,2,3,4)) rechlpm=3.  
*Did not receive help but didn't need it*.  
IF rechlpm=-99 & (taskhelpm=2 & tasksm=1) rechlpm=4.  
*Missing info on receipt of help or help needed*.  
IF rechlpm=-99 & any(taskhelpm,-8,-9) | any(tasksm,-8,-9) rechlpm=-8.
```

RECHELIBI: (D) Received help: Stairs (binary) (TASK I)

- 1 Help
- 2 No help

SPSS Syntax

```
COMPUTE rechelibi=rechlp_i.  
IF rechlp_i=1 or rechlp_i=2 rechelibi=1.  
IF any(rechlp_i, 3,4,5) rechelibi=2.
```

RECHELHBI: (D) Received help: Indoors (binary) (TASK H)

- 1 Help
- 2 No help

SPSS Syntax

```
COMPUTE rechelhbi=rechlp_h.  
IF rechlp_h=1 or rechlp_h=2 rechelhbi=1.  
IF any(rechlp_h, 3,4,5) rechelhbi=2.
```

RECHELABI: (D) Received help: Bed (binary) (TASK A)

- 1 Help
- 2 No help

SPSS Syntax

```
COMPUTE rechelabi=rechlp_a.  
IF rechlp_a=1 or rechlp_a=2 rechelabi=1.  
IF any(rechlp_a, 3,4,5) rechelabi=2.
```

RECHELCBI: (D) Received help: Shower (binary) (TASK C)

- 1 Help
- 2 No help

SPSS Syntax

```
COMPUTE rechelcbi=rechlp_c.  
IF rechlp_c=1 or rechlp_c=2 rechelcbi=1.  
IF any(rechlp_c, 3,4,5) rechelcbi=2.
```

RECHELDBI: (D) Received help: Dress (binary) (TASK D)

- 1 Help
- 2 No help

SPSS Syntax

```
COMPUTE recheldbi=rechlp_d.  
IF rechlp_d=1 or rechlp_d=2 recheldbi=1.  
IF any(rechlp_d, 3,4,5) recheldbi=2.
```

RECHELBBI: (D) Received help: Wash (binary) (TASK B)

- 1 Help
- 2 No help

SPSS Syntax

```
COMPUTE rechebbi=rechlpb.  
IF rechlpb=1 or rechlpb=2 rechebbi=1.  
IF any(rechlpb, 3,4,5) rechebbi=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=rechlpg.  
IF rechlpg=1 or rechlpg=2 rechelgbi=1.  
IF any(rechlpg, 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 rechlpl=1 or rechlpl=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 (binary): Stairs (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 'Don't know' .
```

NDHLPH: (D) Need help (binary): Indoors (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 'Don't know' .
```

NDHLPA: (D) Need help (binary): Bed (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 'Don't know' .
```

NDHLPC: (D) Need help (binary): Shower (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 'Don't know' .
```

NDHLPD: (D) Need help (binary): Dress (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 'Don't know' .
```

NDHLPB: (D) Need help (binary): Wash (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 'Don't know' .
```

NDHLPE: (D) Need help (binary): Toilet (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 'Don't know' .
```

NDHLPG: (D) Need help (binary): Medicine (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 'Don't know' .
```

NDHLPF: (D) Need help (binary): Eat (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 'Don't know' .
```

NDHLPJ: (D) Need help (binary): House (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 'Don't know'.
```

NDHLPK: (D) Need help (binary): Shop (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 'Don't know'.
```

NDHLPL: (D) Need help (binary): Housework (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 'Don't know'.
```

NDHLPM: (D) Need help (binary): Paperwork (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 'Don't know'.
```

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 ndhlpq=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 ndhlpq=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 'Don't know'.
```

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 ndhlpd=1 or ndhlpe=1 or ndhlpf=1 or ndhlpq=1 or ndhlph=1 or ndhlpi=1)  
AnyExsh=1.  
IF (ndhlpa=0 and ndhlpb=0 and ndhlpd=0 and ndhlpe=0 and ndhlpf=0 and ndhlpq=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 'Don't know'.
```

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 ndhlpq=1) AnyExsh2=1.  
If AnyExsh2=-99 and (ndhlpa=0 and ndhlpb=0 and ndhlpd=0 and ndhlpf=0 and ndhlpq=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 'Don't know'.
```

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 (ndhlpj=1 | ndhlpi=1) IndoorADL=1.  
IF ndhlpj=0 and ndhlpi=0 IndoorADL=0.  
IF IndoorADL=-99 and ndhlpj=-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 'Don't know'.
```

HELPADL: (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 'Don't know'.
```

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'.
```

HELPEXSH2: (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 'Don't know'.
```

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 'Don't know'.
```

HlpTasks3: (D) Number of ADLs or IADLs for which help was needed, 3 groups

0 No help needed with ADLs or IADLs
1 Help needed with one ADL or IADL
2 Help needed with two or more ADLs or IADLs

SPSS Syntax

```
count HlpTasks3 = ndhlpi ndhlph ndhlpa ndhlpc ndhlpd ndhlpb ndhlpe ndhlpq ndhlpf ndhlpj ndhlpk ndhlpl ndhlpm (1).  
Recode HlpTasks3 (2 thru hi = 2).  
if (HlpTasks3 lt 2) and ANY(-8, ndhlpi, ndhlph, ndhlpa, ndhlpc, ndhlpd, ndhlpb, ndhlpe, ndhlpq, ndhlpf, ndhlpj, ndhlpk, ndhlpl, ndhlpm) HlpTasks3 = -8.  
if age lt 65 HlpTasks3 = -1.  
if (HlpTasks3 lt 2) and ANY(-9, ndhlpi, ndhlph, ndhlpa, ndhlpc, ndhlpd, ndhlpb, ndhlpe, ndhlpq, ndhlpf, ndhlpj, ndhlpk, ndhlpl, ndhlpm) HlpTasks3 = -9.  
variable labels HlpTasks3 "(D) Number of ADLs or IADLs for which help was needed, 3 groups".  
add value labels HlpTasks3  
0 "No help needed with ADLs or IADLs" 1 "Help needed with one ADL or IADL"  
2 "Help needed with two or more ADLs or IADLs" -1 "Not applicable" -8 "Don't know" -9 "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 'Don't know'.
```

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: Indoors (TASK H)".  
VALUE LABELS Unmeth 1 'Unmet' 2 'Met' 3 'No need' -1 'Not applicable' -8 'Don't know'.
```

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 'Don't know'.
```

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 'Don't know'.
```

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 'Don't know'.
```

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 'Don't know'.
```

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 'Don't know'.
```

UNMETG: (D) Unmet need: Medicine (TASK G)

- 1 Unmet
- 2 Met
- 3 No need

SPSS Syntax

```
COMPUTE Unmetg=-99.  
IF ndhlpj=1 AND taskhelpg=2 Unmetg=1.  
IF ndhlpj=1 AND taskhelpg=1 Unmetg=2.  
IF ndhlpj=0 Unmetg=3.  
IF ndhlpj=-1 Unmetg=-1.  
IF any(-8, ndhlpj, 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 'Don't know'.
```

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 'Don't know'.
```

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 'Don't know'.
```

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 'Don't know'.
```

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 'Don't know'.
```


UNMETM: (D) Unmet need: Paperwork (TASK M)

- 1 Unmet
- 2 Met
- 3 No need

SPSS Syntax

```
COMPUTE Unmetm=-99.
IF ndhlp=1 AND taskhelp=2 Unmetm=1.
IF ndhlp=1 AND taskhelp=1 Unmetm=2.
IF ndhlp=0 Unmetm=3.
IF ndhlp=-1 Unmetm=-1.
IF any(-8, ndhlp, TaskHelp) 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 'Don't know'.
```

UNADL: (D) Unmet need for 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 'Don't know' -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 for any instrumental activities (IADLs)

- 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 'Don't know' -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'.
```

UNIADL3: (D) Whether any unmet ADL and/or IADL needs

- 1 Yes, some unmet ADL and/or IDL needs
- 2 No, all needs met
- 3 No need

SPSS Syntax

```
compute UniADL3 =-99.
if UnADL2 = 3 and UnIADL2 =3 UniADL3 = 3.
if UniADL3 =-99 and (UnADL2 = 2 and UnIADL2 =2) UniADL3 = 2.
if UniADL3 =-99 and (UnADL2 = 3 and UnIADL2 =2) UniADL3 = 2.
if UniADL3 =-99 and (UnADL2 = 2 and UnIADL2 =3) UniADL3 = 2.
if UnADL2 = -8 or UnIADL2 = -8 UniADL3 = -8.
if (UnADL2 = 1 or UnIADL2 =1) UniADL3 =1. if UnADL2 = -1 and UnIADL2 =-1 UniADL3 = -1. exe.
variable labels UniADL3 "(D) Whether any unmet ADL and/or IDL needs".
value labels UniADL3
1 "Yes, some unmet ADL and/or IDL needs" 2 "No, all needs met" 3 "No need".
```

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'.
VALUE LABELS bowprob 0 'No' 1 'Yes'.
```

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 Ix 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 Ix 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.

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'.

```

RECHHELP: (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".

```

ProvHlpD: (D) Who provided help with ADLs or IADLs in the last month

-2 No help received
1 Informal helpers only
2 Formal helpers only
3 Both informal and formal helpers
4 None

SPSS Syntax

```

Compute ProvHlpD = -99.
IF DADLtyp = 1 AND DIADLtyp =1 ProvHlpD =1.
IF DADLtyp = 2 AND DIADLtyp =2 ProvHlpD =2.
IF DADLtyp = 4 AND DIADLtyp =4 ProvHlpD =4.
if (DADLtyp = 4 or DADLtyp = -2) AND any(DIADLtyp, 1,2,3) ProvhlpD = DIADLtyp.
if (DIADLtyp = 4 or DIADLtyp = -2) AND any(DADLtyp, 1,2,3) ProvhlpD = DADLtyp.
if (DADLtyp = 1 and DIADLtyp =2) or (DADLtyp = 2 and DIADLtyp =1) ProvHlpD =3.
IF DADLtyp = 3 or DIADLtyp =3 ProvHlpD =3.

```

```

if ProvhlpD= -99 and (DADLtyp = 4 or DIADLtyp = 4) ProvhlpD = 4.
if DADLtyp = -1 and DIADLtyp =-1 ProvhlpD = -1.
if DADLtyp = -2 and DIADLtyp =-2 ProvhlpD = -2.
if DADLtyp = -8 or DIADLtyp =-8 ProvhlpD = -8.
Variable labels ProvHlpD "D) Who provided help with ADLs or IADLs in the last month".
Add value labels -2 "No help received" 1 "Informal helpers only" 2 "Formal helpers only" 3 "Both
informal and formal helpers" 4 "None".

```

Formal help

DHELPHOHC: (D) Home care worker helped with ADLs (tasks A-I)

0 No
1 Yes

SPSS Syntax

```

COMPUTE DhelfoHC=-99.
if any(1, hlpform01, hlpform10, hlpform19, hlpform28) DhelfoHC=1.
if DhelfoHC=-99 & helpADL=1 DhelfoHC=0.
if DhelfoHC=-99 & helpADL=0 DhelfoHC=-2.
if DhelfoHC=-99 & helpADL<0 DhelfoHC=helpADL.
if hlpform01=-8 & hlpform10=-8 & hlpform19=-8 & hlpform28=-8 DhelfoHC=-8.
EXECUTE.
VARIABLE LABELS DhelfoHC '(D) Home care worker helped with ADLs (tasks A-I)'.
VALUE LABELS DhelfoHC 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'.

```

DHELFOOT: (D) Other formal helper, helped with ADL tasks (A-I)

0 No
1 Yes

SPSS Syntax

```

COMPUTE DhelfoOT=-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))
DhelfoOT=1.
if DhelfoOT=-99 & helpADL=1 DhelfoOT=0.
if DhelfoOT=-99 & helpADL=0 DhelfoOT=-2.
if DhelfoOT=-99 & helpADL<0 DhelfoOT=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 DhelfoOT=-8.
VARIABLE LABELS DhelfoOT '(D) Other formal helper helped with ADLs (tasks A-I)'.
VALUE LABELS DhelfoOT 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'.

```

DHELFOFO: (D) No formal helpers helped with ADLs (tasks A-I)

0 No
1 Yes

SPSS Syntax

```

COMPUTE DhelfoFO=-99.
if any(1, hlpform09, hlpform18, hlpform27, hlpform36) & ~any(0, hlpform09, hlpform18, hlpform27, hlpform36)
& anyhlp=1 DhelfoFO=1.
if DhelfoFO=-99 & helpADL=1 DhelfoFO=0.
if DhelfoFO=-99 & helpADL=0 DhelfoFO=-2.
if DhelfoFO=-99 & helpADL<0 DhelfoFO=helpADL.
if hlpform09=-8 & hlpform18=-8 & hlpform27=-8 & hlpform36=-8 DhelfoFO=-8.
VARIABLE LABELS DhelfoFO '(D) No formal helpers helped with ADLs (tasks A-I)'.
VALUE LABELS DhelfoFO 1 'Yes' 0 'No' -8 'Don't know' -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, DhelfoHC, DhelfoOT) DanyFo=1.
if DanyFo=-99 & helpADL=1 DanyFo=0.
if DanyFo=-99 & helpADL=0 DanyFo=-2.
if DanyFo=-99 & helpADL<0 DanyFo=helpADL.
IF DhelfoHC=-8 & DhelfoOT=-8 DanyFo=-8.
var labels DanyFo '(D) Any formal helper helped with ADL tasks (A-I)'.
VALUE LABELS DanyFo 1 'Yes' 0 'No' -8 'Don't know' -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 DhelffoHCi=-99.  
if (checkA2=2 & reheljbi~=1) DhelffoHCi=-1.  
if hlpform37=1 DhelffoHCi=1.  
if DhelffoHCi=-99 & helpIADL=1 DhelffoHCi=0.  
if DhelffoHCi=-99 & helpIADL=0 DhelffoHCi=-2.  
if DhelffoHCi=-99 & helpIADL<0 DhelffoHCi=helpIADL.  
if hlpform37=-8 DhelffoHCi=-8.  
VARIABLE LABELS DhelffoHCi '(D) Home care worker helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelffoHCi 1 'Yes' 0 'No' -8 'Don't know' -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.  
VARIABLE LABELS DhelffoOTi '(D) Other formal helper helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelffoOTi 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'.
```

DHELFFONOI: (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.  
VARIABLE LABELS DhelffoNOi '(D) No formal helpers helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelffoNOi 1 'Yes' 0 'No' -8 'Don't know' -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 'Don't know' -2 'No help received' -1 'Not applicable'.
```

Informal help

DHELPIISP: (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.  
VARIABLE LABELS DhelpinSP '(D) Spouse/partner helped with ADLs (tasks A-I)'.  
VALUE LABELS DhelpinSP 1 'Yes' 0 'No' -8 'Don't know' -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.  
VARIABLE LABELS DhelpinSO '(D) Son helped with ADLs (tasks A-I)'.  
VALUE LABELS DhelpinSO 1 'Yes' 0 'No' -8 'Don't know' -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.  
VARIABLE LABELS DhelpinDA '(D) Daughter helped with ADLs (tasks A-I)'.  
VALUE LABELS DhelpinDA 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'.
```

DHELPINFN: (D) Friend or neighbour helped with 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.  
VARIABLE LABELS DhelpinFN '(D) Friend/Neighbour helped with ADLs (tasks A-I)'.  
VALUE LABELS DhelpinFN 1 'Yes' 0 'No' -8 'Don't know' -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.  
VARIABLE LABELS DhelpinOT '(D) Other member of the family helped with ADLs (tasks A-I)'.  
VALUE LABELS DhelpinOT 1 'Yes' 0 'No' -8 'Don't know' -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.  
VARIABLE LABELS DhelpinNO '(D) No informal helpers helped with ADLs (tasks A-I)'.  
VALUE LABELS DhelpinNO 1 'Yes' 0 'No' -8 'Don't know' -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.  
VARIABLE LABELS DAnyInf '(D) An informal helper helped with ADLs (tasks A-I)'.  
VALUE LABELS DAnyInf 1 'Yes' 0 'No' -8 'Don't know' -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 & reheljbi~=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.  
VARIABLE LABELS DhelpinSPi '(D) Spouse/partner helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelpinSPi 1 'Yes' 0 'No' -8 'Don't know' -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 & reheljbi~=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.  
VARIABLE LABELS DhelpinSOi '(D) Son helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelpinSOi 1 'Yes' 0 'No' -8 'Don't know' -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 & reheljbi~=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.  
VARIABLE LABELS DhelpinDAi '(D) Daughter helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelpinDAi 1 'Yes' 0 'No' -8 'Don't know' -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 & reheljbi~=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.  
VARIABLE LABELS DhelpinFNI '(D) Friend/neighbour helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelpinFNI 1 'Yes' 0 'No' -8 'Don't know' -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 & recheIjbi~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.  
VARIABLE LABELS DhelpinOTi '(D) Other family member helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelpinOTi 1 'Yes' 0 'No' -8 'Don't know' -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 & recheIjbi~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.  
VARIABLE LABELS DhelpinNOi '(D) No informal helper helped with IADLs (tasks J-M)'.  
VALUE LABELS DhelpinNOi 1 'Yes' 0 'No' -8 'Don't know' -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 & recheIjbi~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 'Don't know' -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 DhelfoNO=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 'Don't know' -2 'No help received' -1 'Not applicable'.
```

DIADLTYP: (D) Who provided IADL help (informal/formal helpers, tasks J-M)

1 Informal only
2 Formal only
3 Both informal and formal
4 None of these

SPSS Syntax

```
COMPUTE DIADLtyp=-99.  
IF (checkA2=2 & recheIjbi~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 DhelfoNOi=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 'Don't know' -2 'No help received' -1 'Not applicable'.

```

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

```

COMPUTE SPhr6=-99.
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+'.

COMPUTE SPhr10=-99.
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'.

COMPUTE SPhr20=-99.
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'  4 '20 or more'.

```

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

SPSS Syntax

```

COMPUTE sohr6=-99.
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+'.

COMPUTE sohr10=-99.
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'.

COMPUTE sohr20=-99.
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'.
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".

```

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.

SPSS Syntax

```

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+'.

COMPUTE dahr10=-99.
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'.

COMPUTE dahr20=-99.
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'.

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".

```

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

OTHRs: (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

```
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 friend or neighbour 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 friend or neighbour 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 friend or neighbour 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 friend or neighbour 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.

SPSS Syntax

```

NUMERIC FNhr6 (F3.0).
COMPUTE FNhr6=-99.
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.
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.
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".
```

HCHR6: (D) Grouped, hours of help provided in the last week by home care worker who helped the most (6 groups, 50+)

- 1 No help
- 2 <1 hour
- 3 1-9
- 4 10-19
- 5 20-49
- 6 50+

HCHR10: (D) Grouped, hours of help provided in the last week by home care worker who helped the most (4 groups, 10+)

- 1 No help
- 2 <1 hour
- 3 1-10
- 4 10 or more

HCHR20: (D) Grouped, hours of help provided in the last week by home care worker who helped the most (4 groups, 20+)

- 1 No help
- 2 <1 hour
- 3 1-19
- 4 20 or more

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 (9 groups)

- 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

```
COMPUTE HCHR6=-99.
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) Grouped, hours of help provided in the last week by home care worker who helped the most (6 groups, 50+)'.
value labels HCHR6 1 'No help' 2 '<1 hour' 3 '1-9' 4 '10-19' 5 '20-49' 6 '50+'.
COMPUTE HCHR10=-99.
recode HCHrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4) (-8=-8) (else=-1)into HCHR10.
variable labels HCHR10 '(D) Grouped, hours of help provided in the last week by home care worker who helped the most (4 groups, 10+)'.
value labels HCHR10 1 'No help' 2 '<1 hour' 3 '1-9' 4 '10 or more'.

COMPUTE HCHR20=-99.
recode HCHrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4) (-8=-8)(else=-1) into HCHR20.
variable labels HCHR20 '(D) Grouped, hours of help provided in the last week by home care worker who helped the most (4 groups, 20+)'.
value labels HCHR20 1 'No help' 2 '<1 hour' 3 '1-19' 4 '20 or more'.

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'.

COMPUTE HCHrs=-99.
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 (9 groups)'.
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'.
```

Payment for care

PayCare: (D) Payment for Care

- 1 Care paid for by the local authority only
- 2 Privately paid-for care
- 3 Both local authority and privately paid-for care
- 4 No care paid for by local authority or privately

SPSS Syntax

```
Compute PayCare= -99.
if PersBudg = 1 or Lacare = 1 PayCare = 1.
if Paycare = -99 and paypriv = 1 PayCare = 2.
If ANY(1, persbudg, lacare) and paypriv = 1 PayCare= 3.
if PersBudg = 2 and Lacare = 2 and paypriv = 2 PayCare = 4.
if any(-1, PersBudg,Lacare,paypriv) PayCare =-1.
if any(-8, PersBudg,Lacare,paypriv) PayCare =-8.
if any(-9, PersBudg,Lacare,paypriv) PayCare =-9.
VARIABLE LABELS PayCare "(D) Payment for care".
ADD VALUE LABELS PayCare
-8 "Don't know"
-9 "Refused"
-1 "Not applicable"
1 "Care paid for by the local authority only"
2 "Privately paid-for care"
3 "Both local authority and privately paid-for care"
4 "No care paid for by local authority or privately".
```