Health Survey for England

2016

Dataset documentation

Variable list
Derived variable syntax

Health Survey for England

Health, Social care and Lifestyles

2016

List of Variables

Version 1

Contents

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
ARF	Address Record Form completed for each issued address
NRF	Nurse Record Form completed for each household where at least one person had agreed to a nurse interview
Derived	A variable derived from other variables, and detailed in the Derived Variable Specification document

Classification

Household

Variable	Description	Source
SERIALH*	Serial number of household	Hhold
TENUREB2	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	Number of bedrooms in household - 6+	Hhold
PASSM	Does anyone smoke inside this house/flat on most days?	Hhold
NUMSM	Number of people who smoke inside this house/flat in most days	Hhold
CAR	Whether car or van normally available	Hhold
NUMCARS	Number of cars normally available	Hhold
FINOUTC	Final outcome code	Hhold
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 (D) 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 (16yrs+)	Derived*
moth_educendR	(D) Female parent/guardian's Age finished continuous full-time education	Derived*
moth_recs12_2	(D) Female parent/guardian's Current MVPA recommendations, 3 groups (low or some activity combined)	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_wemwbs	(D) Female parent/guardian's WEMWBS score	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 (16yrs+)	Derived*
fath_educendR	(D) Male parent/guardian's Age finished continuous full-time education recoded	Derived*
fath_recs12_2	(D) Male parent/guardian's Current MVPA recommendations, 3 groups (low or some activity combined)	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_wemwbs	(D) Male parent/guardian's WEMWBS score	Derived*
part_cigst1	(D) Partner's Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current	Derived*

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

Individual

Variable	Description	Source
SERIALI[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	Self completion completed	Indiv
SCREC	Self completion received	Indiv
SC3ACC1	SC: Completed independently	Indiv
SC3ACC2	SC: Completed with assistance from other children	Indiv
SC3ACC3	SC: Completed with assistance from other household member	Indiv
SC3ACC4	SC: Completed with assistance from interviewer	Indiv
SC3ACC5	SC: Interviewer administered SC booklet	Indiv
SCOMP60	SC refused: Child away from home during fieldwork period	Indiv
SCOMP61	SC refused: Eyesight problems	Indiv
SCOMP62	SC refused: Language problems	Indiv
SCOMP63	SC refused: Reading/writing/comprehension difficulties	Indiv
SCOMP64	SC refused: Bored/fed up/ tired	Indiv
SCOMP65	SC refused: Questions too sensitive/invasion of privacy	Indiv
SCOMP66	SC refused: Booklet too long/too busy/taken long enough already	Indiv
SCOMP67	SC refused: No other reason given	Indiv
SCOMP68	SC refused: Illness/disability (physical or mental)	Indiv
SCOMP69	SC refused: Child 2-12 asleep	Indiv
SCOMP610	SC refused: Not in/not available	Indiv
SCOMP611	SC refused: Proxy refusal	Indiv
SCOMP612	SC refused: No self completion booklet available	Indiv
SCOMP695	SC refused: Other reason	Indiv
SCOMP5A1	SC present: Spouse/partner	Indiv
SCOMP5A2	SC present: Parent(s) (incl step/foster)	Indiv
SCOMP5A3	SC present: Brother(s)/sister(s)	Indiv
SCOMP5A4	SC present: Own/related child(ren) (incl step/foster/partners)	Indiv
SCOMP5A5	SC present: Other relative(s)	Indiv
SCOMP5A6	SC present: Unrelated adult(s)	Indiv
SCOMP5A7	SC present: Unrelated child(ren)	Indiv
SCOMP5A8	SC present: Interviewer	Indiv
SCOMP5A9	SC present: No-one else present	Indiv
BOOKLET	(D) Eligible for which self-completion booklet	Derived

Education

Variable	Description	Source
EDUCEND	Age finished continuous full-time education	Indiv
QUAL	Whether has any of the qualifications listed	Indiv
DEGREE1	Do you have a doctorate qualification?	Indiv
DEGREE2	Do you have a masters qualification?	Indiv

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[1] Renamed SerialA in the archived dataset.
* Removed from dataset.
[2] Age in individual years has been removed from the archived dataset.

DEGREE3	Do you have an undergraduate or first degree qualification?	Indiv
DEGREE4	Do you have a foundation qualification?	Indiv
DEGREE5	Do you have a graduate membership or a professional institution qualification?	Indiv
DEGREE95	Do you have another post graduate degree or professional qualification?	Indiv
TOPQUAL3	(D) Highest Educational Qualification	Derived
TOPQUAL2	(D) Highest Educational Qualification – Students separate	Derived
TOPQUAL4	(D) Highest Educational Qualification, 3 groups	Derived

Employment Status

Variable	Description	Source
HRPSOC10B	(D) HRP: Sub-Major Group Standard Occupational Classification 2010	Derived
HRPSIC7b3	(D) HRP: Standard Industrial Classification 2007	Derived
HRPACTIV3	(D) HRP: Activity status for last week - grouped	Derived
HRPSTWK	HRP: Did you do any paid work in last 7 days ending last Sunday?	Hhold
HRP4WKLK	HRP: Looking for paid work/govt scheme in last 4 weeks ending last Sunday?	Hhold
HRP2WKST	HRP: If job or training scheme available, able to start within 2 weeks?	Hhold
HRPEVERJ	HRP: Ever been in paid employment or been self-employed	Hhold
HRPOTHPD	HRP: Ever had other employment (apart from job you are waiting to take up)	Hhold
HRPLONG	HRP: How long have you been looking/were you looking for paid employment	Hhold
HRPPAYAG	HRP: Age when last had a paid job.	Hhold
HRPFTPT	HRP: Whether working full time or part time	Hhold
HRPEMPLY	HRP: Whether an employee or self-employed	Hhold
HRPDIRCT	HRP: Whether director of a limited company	Hhold
HRPEMPST	HRP: Whether a manager or foreman	Hhold
HRPNEMPL	HRP: Number of employed at place of work (including yourself)	Hhold
HRPSEMPR	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	Derived
STWORK	Paid work in last 7 days	Indiv
WKLOOK4	Whether looking for any paid work or Govt Training Scheme at any time in the 4 weeks ending last Sunday	Indiv
WKSTRT2	If a job or place on Govt Training Scheme had been available, would you have been able to start within 2 weeks?	Indiv
EVERJOB	Whether ever been in paid employment or been self-employed	Indiv
OTHPAID	Ever had other employment (apart from job you are waiting to take up)	Indiv
HOWLONG	How long have you been looking/were you looking for paid employment	Indiv
PAYAGE	Age when last had a paid job	Indiv
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
NEMPLEE	Number of employed at place of work (including yourself)	Indiv
SNEMPLEER	If self-employed, do/did you have any employees? (top coded)	Indiv
ISECTOR	Is organisation private sector, public sector or non-profit	Indiv
SOC2010B	(D) Sub-Major Group Standard Occupational Classification 2010	Derived
SIC2007b2	(D) Standard Industrial Classification 2007 (re-grouped)	Derived
SCLASS	Registrar General's Social Class of individual (old scheme)	Indiv
NSSEC8	(D) NS-SEC 8 variable classification (individual)	Derived
NSSEC5	(D) NS-SEC 5 variable classification (individual)	Derived
NSSEC3	(D) NS-SEC 3 variable classification (individual)	Derived
HPNSSEC8	(D) NS-SEC 8 variable classification (hrp)	Derived
HPNSSEC5	(D) NS-SEC 5 variable classification (hrp)	Derived
HPNSSEC3	(D) NS-SEC 3 variable classification (hrp)	Derived

Ethnicity/Identity

Variable	Description	Source
ORIGIN2	(D) Grouped ethnic categories	Derived
RELIGSC	What is your religion?	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 (eg stocks & shares)	Hhold
SRCIN17d	Income: Other kinds of regular allowance from outside your household	Hhold
OTHINC	Whether other income in household	Hhold
JNTINC2	Joint income - grouped	Derived
HHINC2	Total household income - grouped	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 Allowance – care component	Hhold
ATTDISB5	Disability allowance: Personal Independence Allowance – mobility component	Hhold
ATTDISB96	Disability allowance: None of these	Hhold

Nurse Admin

Variable	Description	Source
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 cohabitees	Derived
COUPLE2	Living with anyone in this household - grouped	Hhold
LIVEWITH	Cohabitee	Hhold

Sample Info

Variable	Description	Source
SAMPTYPE	Sample type	Sample
URBAN14b	(D) Rurality of dwelling unit (urban/rural 2011) - Binary	Derived
QIMD	(D) Quintile of IMD SCORE	Derived
GOR1	Government Office Region – numeric	Hhold
SHA	Strategic Health Authority (OSHLTHAU)	Hhold
POINT[3]	Sample point number	Hhold
ADDRESS[4]	Address number	Sample
STRATA[5]	Stratification level	Indiv
STRATA_KIDS[6]	Stratification level for respondents aged 0-15	Indiv
NOFHH	Number of households	ARF

Weighting

Variable	Description	Source
WT_INT	HSE 2016 Weight for analysis of interview sample	Other
WT_SC	HSE 2016 Weight for analysis of core self completion sample	Other
WT_GAMBLING	HSE 2016 Weight for analysis of core problem gambling sample	Other
WT_NURSE	HSE 2016 Weight for analysis of nurse sample	Other
WT_BLOOD	HSE 2016 Weight for analysis of blood sample	Other
WT_COTININE	HSE 2016 Weight for analysis of cotinine sample	Other
WT_URINE	HSE 2016 Weight for analysis of core urine 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	Non proxy: Form in which estimated height given	Indiv
NOHTBC	Reason for not obtaining height measurement	Indiv
RELHITE	Is this height measurement reliable?	Indiv
HINREL	What caused the height measurement to be unreliable?	Indiv
RESPWTS	Response to weight measurement	Indiv
RESNWT	Refusal of weight measurement	Indiv
NOWTBC	Reason for not obtaining weight measurement	Indiv
EWTCH	Form in which estimated weight given	Indiv
FLOORC1	Scales placed on uneven floor	Indiv
FLOORC2	Scales placed on carpet	Indiv
FLOORC3	Scales placed on none of these	Indiv
RELWAITB	Is this weight measurement reliable?	Indiv
HTOK	(D) Whether height measure is valid	Derived
WTOK	(D) Whether weight measure is valid	Derived
BMIOK	(D) Whether bmi measure is valid	Derived

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[3] Variable scrambled and renamed PSU in archived dataset.
[4] Variable scrambled and renamed ADDNUM in archived dataset.
[5] Variable scrambled and renamed CLUSTER in archived dataset.
[6] Variable scrambled and renamed Cluster_kids. Additional strata for child respondents provided for analysis – see user guide for more information.

Measurements

Variable	Description	Source
HEIGHT	Height (cm) inc unreliable measurements	Indiv
HTSR	Self-reportedheight (cm)	Indiv
WEIGHT	Weight (kg) – inc unreliable measurements	Indiv
WTSR	Self-reported weight (kg)	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
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+) using estimated weight if >130kg	Derived
BMIVG52	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) using estimated weight if >200kg	Derived
BMIVG53	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-35,35+) estimated weight if >200kg	Derived
BMIVG3	(D) BMI grouped combining underweight and normal, overweight and combining obese and mobidly obese	Derived
BMIVG6	(D) BMI grouped with Obese categories I, II, III	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) UK BMI national classification standards Age 2-15 (85th/95th centile) 2008	Derived
BMICAT2	(D) BMI status Age 2-15 (ovrwght inc. obese) 2008	Derived
BMICAT3	(D) BMI status Age 2-15 (non-obese vs obese) 2008	Derived
WHVAL	(D) Valid Mean Waist/Hip ratio	Derived
MENWHGP	(D) Male waist hip ratio groups (adults)	Derived
MENWHHI	(D) Male high waist hip ratio	Derived
WOMWHGP	(D) Female waist hip ratio groups	Derived
WOMWHHI	(D) Female high waist hip ratio	Derived
WAISTHI	(D) Raised waist measurement over 102cm for men and 88cm for women	Derived
WSTGP3	(D) waist circumference in 3 groups (valid waist)	Derived
WAIST	(D) Waist circumference, defined by NICE (3 groups, based on valid waist and BMIvg6)	Derived
OHTHRISK	(D) Health risk classifications based on body mass index (BMI) and waist circumference (as defined by NICE)	Derived
OHTHRISKG	(D) Health risk classifications based on body mass index (BMI) and waist circumference, grouped (as defined by NICE)	Derived

Waist/Hip Admin

Variable	Description	Source
RESPWH	Response to waist/hip measurements	Nurse
YNOWH	Reason no waist/hip measurements	Nurse
WHOUTC	Waist Hip outcome	Nurse
WHPNABM1	No waist/hip: Respondent is chairbound	Nurse
WHPNABM2	No waist/hip: Respondent is confined to bed	Nurse
WHPNABM3	No waist/hip: Respondent is too stooped	Nurse
WHPNABM4	No waist/hip: Respondent did not understand the procedure	Nurse
WHPNABM5	No waist/hip: Respondent is embarrassed/sensitive about their size	Nurse
WHPNABM6	No waist/hip: No time/busy/already spent enough time on this survey	Nurse
WHPNABM7	No waist/hip: Other reason	Nurse
WHPNABM8	No waist/hip: Measurement tape not long enough	Nurse
WJREL	Whether problems with waist measurement	Nurse
PROBWST	Problems experienced likely to increase/decrease waist measurement	Nurse

HJREL	Whether problems with hip measurement	Nurse
PROBHIP	Problems likely to increase/decrease waist measurement	Nurse
WSTOKB	(D) Whether waist measurements are valid	Derived
HIPOKB	(D) Whether hip measurements are valid	Derived
WHOKB	(D) Whether waist/hip measure is valid	Derived

Perception of Weight

Variable	Description	Source
SAYWGT	How views own weight	SC 8+
SAYWGT2	(D) How views own weight – age 8+ (don't know as valid answer, not missing)	SC 8+
SAYDIET	Whether trying to lose or gain weight	SC 8+
FATH_PERS	(D) Father's perspective of child weight	SC 16+
MOTH_PERS	(D) Mother's perspective of child weight	SC 16+

Blood Sample

Admin

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

Measurements

Variable	Description	Source
CHOLEST	Total cholesterol result mmol/L (Blood data)	Lab
CHOLQUAL	Total cholesterol serum quality (Blood data)	Lab
CHOLVAL3	(D) Valid Total Cholesterol Result mmol/L (sample received after 16th June)	Derived
CHOLVAL13	(D) Valid Total Cholesterol Result mmol/L (incl those on LLD) (sample received after 16th June)	Derived
CHOLFOUR3	(D) Whether Total Cholesterol < 4 (incl those on LLD) {revised} (sample received after 16th June)	Derived
CHOLFIVE3	(D) Whether Total Cholesterol < 5 (incl those on LLD) {revised} (sample received after 16th June)	Derived
HDLCHOL	HDL Cholesterol result (Blood data)	Lab
HDLQUAL	HDL Cholesterol serum quality (Blood data)	Lab
HDLVAL3	(D) Valid HDL Cholesterol Result mmol/L (sample received after 16th June)	Derived
HDLVAL13	(D) Valid HDL Cholesterol Result mmol/L (incl those on LLD) (sample received after 16th June)	Derived
HDLONE3	(D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised} (sample received after 16th June)	Derived
GLYHB	Glycated haemoglobin result (%) (Blood data)	Lab
GLHBQUAL	Glycated haemoglobin serum quality (Blood data)	Lab

GLYHBVALA	(D) Valid Glycated HB result [adjusted to be comparable to pre-September 2013]	Derived
GLYHBVAL2	(D) Valid Glycated haemoglobin result (%)	Derived
GLYHB3G2	(D) Glycated haemoglobin (%) 3 groups	Derived
GLYHBHI2	(D) Raised Glycated haemoglobin (%)	Derived
IFCCA1	Glycated haemoglobin result (mmol/ml) (Blood data)	Lab
IFCCA1Q	Glycated haemoglobin serum quality (mmol/ml) (Blood data)	Lab
HGB	Haemoglobin result	Lab
HGBQ	Haemoglobin serum quality	Lab
CHOLVALA	(D) Valid Total Cholesterol Result mmol/L (later results adjusted to be comparable with pre-2010 results)	Derived
CHOLVAL1A	(D) Valid Total Cholesterol Result mmol/L (incl those on LLD) (later results adjusted to be comparable with pre-2010 results)	Derived
CHOLFOURA	(D) Whether Total Cholesterol < 4 (incl those on LLD) {revised} (later results adjusted to be comparable with pre-2010 results)	Derived
CHOLFIVEA	(D) Whether Total Cholesterol < 5 (incl those on LLD) {revised} (later results adjusted to be comparable with pre-2010 results)	Derived
HDLVALA	(D) Valid HDL Cholesterol Result mmol/L (later results adjusted to be comparable with pre-2010 results)	Derived
HDLVAL1A	(D) Valid HDL Cholesterol Result mmol/L (later results adjusted to be comparable with pre-2010 results)	Derived
HDLONEA	(D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised} (later results adjusted to be comparable with pre-2010 results)	Derived
GLYHB3GA	(D) Glycated haemoglobin 3 groups (later results adjusted to be comparable with pre-September 2013)	Derived
GLYHBHIA	(D) Raised glycated haemoglobin (later results 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) (later results adjusted to be comparable with pre-September 2013)	Derived
AST	AST liver enzyme result	Lab
ASTQ	AST liver enzyme serum quality	Lab
ALT	ALT liver enzyme result	Lab
ALTQ	ALT liver enzyme serum quality	Lab
CYSTC	Cystatin C result	Lab
CYSTCQ	Cystatin C serum quality	Lab
CRE	Creatinine result	Lab
CREQ	Creatinine serum quality	Lab
PLT	Platelets result	Lab
PLTQ	Platelets serum quality	Lab

Urine Sample

Admin

Variable	Description	Source
UrOutc	Urine sample outcome	Nurse
UriCode	Respondent consent for urine sample	Derived
UriSamp	Respondent asked to provide urine sample	Nurse
UriObt1	Whether urine sample obtained	Nurse
UriNObt1	Urine sample not obtained: Respondent not able to produce any urine	Nurse
ConUGP	Permission to send results of urine sample to GP	Nurse

Measurements

Variable	Description	Source
UNA1	Sodium result	Lab
UNA1Q	Sodium serum quality	Lab
UK1	Potassium result	Lab
UK1Q	Potassium serum quality	Lab
UCRE1	Creatinine result	Lab
UCRE1Q	Creatinine serum quality	Lab
UALB1	Albumin result	Lab
UALB1Q	Albumin serum quality	Lab
ACR	Albumin Creatinine ratio	Derived
ACRQ	Albumin Creatinine ratio quality	Derived

Blood Pressure

Admin

Variable	Description	Source
BPOUTC	Blood Pressure Outcome	Nurse
BPCONST	Consent to give BP measurement	Nurse
CONSBX11	Eaten in last 30 mins	Nurse
CONSBX12	Smoked in last 30 mins	Nurse
CONSBX13	Drunk alcohol in last 30 mins	Nurse
CONSBX14	Exercised vigorously in last 30 mins	Nurse
CONSBX15	Nothing to effect BP in last 30 mins	Nurse
CON60SB1	Eaten in the past 60 minutes	Nurse
CON60SB2	Smoked in the past 60 minutes	Nurse
CON60SB3	Drunk alcohol in the past 60 minutes	Nurse
CON60SB4	Exercised vigorously in the past 60 minutes	Nurse
CON60SB5	Nothing to affect BP in the past 60 minutes	Nurse
CONSU2X1	Eaten in the past 30 minutes (age 5-12)	Nurse
CONSU2X4	Exercised vigorously in the past 30 minutes (age 5-12)	Nurse
CONSU2X5	Neither in the past 30 minutes (age 5-12)	Nurse
CON60S21	Eaten in the past 60 minutes (age 5-12)	Nurse
CON60S24	Exercised vigorously in the past 60 minutes (age 5-12)	Nurse
CON60S25	Neither in the past 60 minutes (age 5-12)	Nurse
CUFSIZE	Cuff size used	Nurse
AIRTEMP	Air temperature	Nurse
FULL1	Reliability of 1st set of BP readings	Nurse
FULL2	Reliability of 2nd set of BP readings	Nurse
FULL3	Reliability of 3rd set of BP readings	Nurse
YNOBP	Reason no BP measurements taken	Nurse
RESPBPS	Response to BP measurements	Nurse
NATTBP00	BP not obtained: Problems with PC	Nurse
NATTBP01	BP not obtained: Respondent upset/anxious/nervous	Nurse

NATTBP02	BP not obtained: Error reading	Nurse
NATTBP03	BP not obtained: Respondent too shy	Nurse
NATTBP04	BP not obtained: Child would not sit still	Nurse
NATTBP05	BP not obtained: Problems with cuff fitting/painful	Nurse
NATTBP06	BP not obtained: Problems with equipment	Nurse
NATTBP95	BP not obtained: Other reason	Nurse
DIFBPC01	BP problems: No problems taking blood pressure	Nurse
DIFBPC02	BP problems: Reading on left arm as right arm not suitable	Nurse
DIFBPC03	BP problems: Respondent was anxious/upset/nervous	Nurse
DIFBPC04	BP problems: Problem with cuff fitting/painful	Nurse
DIFBPC05	BP problems: Omron problem (not error reading)	Nurse
DIFBPC06	BP problems: Omron error reading	Nurse
DIFBPC95	BP problems: Other problem	Nurse
GPREGB	Whether registered with a GP	Nurse
GPSEND	Consent to send BP readings to GP	Nurse
GPREFC1	BP not to GP: Hardly/never sees GP	Nurse
GPREFC2	BP not to GP: GP knows respondents BP	Nurse
GPREFC3	BP not to GP: Does not want to bother GP	Nurse
GPREFC4	BP not to GP: Other reason	Nurse
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
OMDIAST	(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid	Derived
OMSYST	(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid	Derived
OMMAP	(D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid	Derived
OMPULS	(D) Omron Pulse pressure, systolic-diastolic inc. invalid	Derived
OMDIAVAL	(D) Omron Valid Mean Diastolic BP	Derived
OMSYSVAL	(D) Omron Valid Mean Systolic BP	Derived
OMMAPVAL	(D) Omron Valid Mean Arterial Pressure	Derived
OMPULVAL	(D) Omron Valid Pulse Pressure	Derived
HYPER1OM2	(D) Hypertensive catagories: all prescribed drugs for BP (Omron readings) {revised}	Derived
HYPER2OM2	(D) Hypertensive catagories: all taking BP drugs (Omron readings) {revised}	Derived
HY140OM2	(D) Hypertensive catagories: 140/90: all prescribed drugs for BP (Omron readings) {revised}	Derived
HIBP1OM2	(D) Whether hypertensive: all prescribed drugs for BP (Omron readings) {revised}	Derived
HIBP2OM2	(D) Whether hypertensive: all taking BP drugs (Omron readings) {revised}	Derived
HBP140OM2	(D) Whether hypertensive: 140/90: all prescribed drugs for BP (Omron readings) {revised}	Derived
BPHI3G	(D) Valid blood pressure 3 groups	Derived
HBP160OM2	(D) Hypertensive untreated (160/100): all prescribed drugs for BP (Omron readings) {revised}	Derived

Drinking

Adult General

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

Adult 7 Days

Variable	Description	Source
DRNKSAME	Whether drank more on a particular day in last 7 days	Indiv
WHICHDAY	Which day drank most in last 7	Indiv
DRAMOUNT	Drink now compared to 5 years ago	Indiv
D7DAY	Whether had drink in last 7 days (c+sc)	Indiv/SC YP
D7MANY	How many days in last 7 had a drink (c+sc)	Indiv/SC YP
D7TYP1	Heaviest day: Normal Beer (c+sc)	Indiv/SC YP
D7TYP2	Heaviest day: Strong Beer (c+sc)	Indiv/SC YP
D7TYP3	Heaviest day: Spirits (c+sc)	Indiv/SC YP
D7TYP4	Heaviest day: Sherry (c+sc)	Indiv/SC YP
D7TYP5	Heaviest day: Wine (c+sc)	Indiv/SC YP
D7TYP6	Heaviest day: Alcopops (c+sc)	Indiv/SC YP
NBRL71	Heaviest day normal beer: Half pints	Indiv
NBRL72	Heaviest day normal beer: Small cans	Indiv
NBRL73	Heaviest day normal beer: Large cans	Indiv
NBRL74	Heaviest day normal beer: Bottles	Indiv
NBERQHP7	Amount normal beer (half pints) on heaviest day	Indiv
NBERQSM7	Amount normal beer (small cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
NBERQLG7	Amount normal beer (large cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
NBERQPT7	Amount normal beer (pints) on heaviest day	SC YP
NBERQBT7	Amount normal beer (bottles) on heaviest day	Indiv
L7NCODEQ	Normal beer bottle size (pints) – heaviest day	Indiv
SBRL71	Heaviest day strong beer: Half pints	Indiv
SBRL72	Heaviest day strong beer: Small cans	Indiv/SC YP
SBRL73	Heaviest day strong beer: Large cans	Indiv/SC YP
SBRL74	Heaviest day strong beer: Bottles	Indiv
SBERQHP7	Amount strong beer (half pints) on heaviest day	Indiv
SBERQSM7	Amount strong beer (small cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
SBERQLG7	Amount strong beer (large cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
SBERQPT7	Amount strong beer (pints) on heaviest day	SC YP
SBERQBT7	Amount strong beer (bottles) on heaviest day	Indiv
L7SCODEQ	Strong beer bottle size (pints) – heaviest day	Indiv
SPIRQME7	Amount spirits (measures) on heaviest day (c+sc)	Indiv/SC YP
SHERQGS7	Amount sherry (glasses) on heaviest day (c+sc)	Indiv/SC YP
WGLS250ML	Amount wine (250ml glasses) on heaviest day (c+sc)	Indiv/SC YP
WGLS175ML	Amount wine (175ml glasses) on heaviest day (c+sc)	Indiv/SC YP
WGLS125ML	Amount wine (125ml glasses) on heaviest day (c+sc)	Indiv/SC YP
WBTLGZ	Amount wine (125ml glasses from a bottle) on heaviest day (c+sc)	Indiv/SC YP
POPSL7Q1	Amount of alcopops (small cans/bottles) on heaviest day in last 7	Indiv
POPSL7Q3	Amount of alcopops standard bottles (125ml) on heaviest day in last 7	Indiv
POPSL7Q4	Amount of alcopops large bottles(700ml) on heaviest day in last 7	Indiv
DP7SCAN	Amount of alcopops (small cans/bottles) on heaviest day in last 7	SC YP
DP7SBTL	Amount of alcopops small cans/bottles on heaviest day in last 7(sc)	SC YP
DP7LBTL	Amount of alcopops large bottles(700ml) on heaviest day in last 7	SC YP
POPSQSM7	Amount alcopops (small cans/bottles) on heaviest day (c+sc)	Indiv/SC YP
POPSQLG7	Amount alcopops (large bottles) on heaviest day (c+sc)	Indiv/SC YP

Cider	Drunk cider in the last 12 months	Indiv
OnlyCid	Only drink cider or also drink beer, lager, stout or shandy	Indiv
NCidL71	How much normal strength cider: half pints	Indiv
NCidL72	How much normal strength cider: small cans	Indiv
NCidL73	How much normal strength cider: large cans	Indiv
NCidL74	How much normal strength cider: bottles	Indiv
NCidL7Q1	How many half pints	Indiv
NCidL7Q2	How many small cans	Indiv
NCidL7Q3	How many large cans	Indiv
NCidL7Q4	How many bottles	Indiv
L7NCCodQ	Pint equivalent of normal strength cider drunk from bottles on one day (NCBotL7)	Indiv
SCidL71	How much strong cider: half pints	Indiv
SCidL72	How much strong cider: small cans	Indiv
SCidL73	How much strong cider: large cans	Indiv
SCidL74	How much strong cider: bottles	Indiv
SCidL7Q1	How many half pints	Indiv
SCidL7Q2	How many small cans	Indiv
SCidL7Q3	How many large cans	Indiv
SCidL7Q4	How many bottles	Indiv
L7SCCodQ	Pint equivalent of make of strong cider drunk from bottles on that day (SCBotL7)	Indiv
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	Indiv
NBEERM1	12 months normal beer: Half pints	Indiv
NBEERM2	12 months normal beer: small cans	Indiv
NBEERM3	12 months normal beer: Large cans	Indiv
NBEERM4	12 months normal beer: Bottles	Indiv
NBEERQ1	Amount of normal beer etc usually drunk on any one day (half pints)	Indiv
NBEERQ2	Amount of normal beer etc usually drunk on any one day (small cans)	Indiv
NBEERQ3	Amount of normal beer etc usually drunk on any one day (large cans)	Indiv
NBEERQ4	Amount of normal beer etc usually drunk on any one day (bottles)	Indiv
SBEER	Freq of drinking strong beer etc over last 12 months	Indiv
SBEERM1	12 months strong beer: Half pints	Indiv
SBEERM2	12 months strong beer: small cans	Indiv
SBEERM3	12 months strong beer: Large cans	Indiv
SBEERM4	12 months strong beer: Bottles	Indiv
SBEERQ1	Amount of strong beer etc usually drunk on any one day (half pints)	Indiv
SBEERQ2	Amount of strong beer etc usually drunk on any one day (small cans)	Indiv
SBEERQ3	Amount of strong beer etc usually drunk on any one day (large cans)	Indiv
SBEERQ4	Amount of strong beer etc usually drunk on any one day (bottles)	Indiv
SPIRITS	Freq of drinking spirits over last 12 months	Indiv
SPIRITSQ	Amount of spirits usually drunk (single measures)	Indiv
SHERRY	Freq of drinking sherry over last 12 months	Indiv
SHERRYQ	Amount of sherry usually drunk (small glasses)	Indiv
WINE	Freq of drinking wine over last 12 months	Indiv
WINEQ	Amount of wine usually drunk on any one day	Indiv
BWINEQ2	12 months wine: size of glass	Indiv
POPS	Freq of drinking alcopops over last 12 months	Indiv
POPSLY11	12 months alcopops: small cans	Indiv
POPSLY12	12 months alcopops: standard bottles (275ml)	Indiv
POPSLY13	12 months alcopops: large bottles (700ml)	Indiv
POPSQ111	Amount of alcopops usually drunk on any one day (small cans)	Indiv
POPSQ112	Amount of alcopops usually drunk on any one day (standard bottles)	Indiv
POPSQ113	Amount of alcopops usually drunk on any one day (large bottles)	Indiv

NCider	Normal cider: frequency in last 12 months	Indiv
NCidM1	How much normal cider: half pints	Indiv
NCidM2	How much normal cider: small cans	Indiv
NCidM3	How many normal ciders drunk on usual day in last 12 months: half pints	Indiv
NCidM4	How many normal ciders drunk on usual day in last 12 months: small cans	Indiv
NCidQ1	How many normal ciders drunk on usual day in last 12 months: large cans	Indiv
NCidQ2	How many normal ciders drunk on usual day in last 12 months: bottles	Indiv
NCidQ3	Strong cider: frequency in last 12 months	Indiv
NCidQ4	How much strong cider drunk in the last 12 months: half pints	Indiv
SCider	How much strong cider drunk in the last 12 months: small cans	Indiv
SCidM1	How much strong cider drunk in the last 12 months: large cans	Indiv
SCidM2	How much strong cider drunk in the last 12 months: bottles	Indiv
SCidM3	How many strong ciders drunk on usual drunk in last 12 months: half pints	Indiv
SCidM4	How many strong ciders drunk on usual drunk in last 12 months: small cans	Indiv
SCidQ1	How many strong ciders drunk on usual drunk in last 12 months: large cans	Indiv
SCidQ2	How many strong ciders drunk on usual drunk in last 12 months: bottles	Indiv
SCidQ3	Now I'd like you to think about the last 12 months	Indiv
SCidQ4	Normal cider: frequency in last 12 months	Indiv
SCNBEER	Freq of drinking normal beer etc over last 12 months	SC YP
SCNBEEQ1	Amount of normal beer etc usually drunk (pints)	SC YP
SCNBEEQ2	Amount of normal beer etc usually drunk (large cans or bottles)	SC YP
SCNBEEQ3	Amount of normal beer etc usually drunk (small cans or bottles)	SC YP
SCSBEER	Freq of drinking strong beer etc over last 12 months	SC YP
SCSBEEQ1	Amount of strong beer etc usually drunk (pints)	SC YP
SCSBEEQ2	Amount of strong beer etc usually drunk (large cans or bottles)	SC YP
SCSBEEQ3	Amount of strong beer etc usually drunk (small cans or bottles)	SC YP
SCSPIRIT	Freq of drinking spirits over last 12 months	SC YP
SCSPIRQ	Amount of spirits usually drunk (glasses)	SC YP
SCSHERRY	Freq of drinking sherry over last 12 months	SC YP
SCSHERRQ	Amount of sherry usually drunk (glasses)	SC YP
SCWINE	Freq of drinking wine over last 12 months	SC YP
SCWINEQ1	Amount of wine usually drunk (large glasses)	SC YP
SCWINEQ2	Amount of wine usually drunk (standard glasses)	SC YP
SCWINEQ3	Amount of wine usually drunk (small glasses)	SC YP
SCWINEQ4	Amount of wine usually drunk (bottles)	SC YP
SCPOPS	Freq of drinking alcopops over last 12 months	SC YP
SCPOPSQ1	Amount of alcopops usually drunk (large bottles)	SC YP
SCPOPSQ2	Amount of alcopops usually drunk (standard bottles)	SC YP
SCPOPSQ3	Amount of alcopops usually drunk (small cans)	SC YP
SCCid12M	Whether respondent has drunk cider in the last 12 months (SC)	SC YP
SCCidOnl	Whether drinks just cider, or also beer, lager, stout or shandy (SC)	SC YP
SCCidDay	Whether drank cider on heaviest day in past week (SC)	SC YP
SCCidTypCX1	Type of cider on heaviest day in past week: Normal strength cider (less than 6% alcohol) (SC)	SC YP
SCCidTypCX2	Type of cider on heaviest day in past week: Strong cider (6% alcohol or more) (SC)	SC YP
NCidQPT7	Amount of normal cider on heaviest day (pints) (SC)	SC YP
DNCL7Q2	Amount of normal cider on heaviest day (large cans or bottles) (SC)	SC YP
DNCL7Q3	Amount of normal cider on heaviest day (small cans or bottles) (SC)	SC YP
SCidQPT7	Amount of strong cider on heaviest day (pints) (SC)	SC YP
DSCL7Q2	Amount of strong cider on heaviest day (large cans or bottles) (SC)	SC YP
DSCL7Q3	Amount of strong cider on heaviest day (small cans or bottles) (SC)	SC YP
SCNCider	Freq of drinking normal strength cider over last 12 months (SC)	SC YP
SCNCidQ1	Amount of normal strength cider usually drunk (pints) (SC)	SC YP
SCNCidQ2	Amount of normal strength cider usually drunk (large cans or bottles) (SC)	SC YP
SCNCidQ3	Amount of normal strength cider usually drunk (small cans or bottles) (SC)	SC YP
SCSCider	Freq of drinking strong cider over last 12 months (SC)	SC YP
SCSCidQ1	Amount of strong cider usually drunk (pints) (SC)	SC YP
SCSCidQ2	Amount of strong cider usually drunk (large cans or bottles) (SC)	SC YP
SCSCidQ3	Amount of strong cider usually drunk (small cans or bottles) (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 (new guidelines for men)	Derived
ALCBASE	(D) Alcohol consumption rating units/week	Derived

ALCBSMT	(D) Alcohol consumption: men	Derived
ALCBSMT15	(D) Alcohol consumption: men – new guidelines	Derived
ALCBSWT	(D) Alcohol consumption: women	Derived
MENWUG	(D) Weekly alcohol consumption: men	Derived
MENWUG15	(D) Weekly alcohol consumption: men – new guidelines	Derived
MENWUGg2	(D) Weekly alcohol consumption for men, 3 groups	Derived
MENWUGg215	(D) Weekly alcohol consumption for men, 3 groups – new 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 8-15
ADRPOPS	Ever had alcopops (age 8-12, 13-15)	SC 8-15
ADRINKAG	Age first alcoholic drink (age 8-12, 13-15)	SC 8-15
ADRINKOF	How often alcoholic drink (age 8-12, 13-15)	SC 8-15
ADRLAST	When last had alcoholic drink (age 8-12, 13-15)	SC 8-15
AEVDRINK	(D) Ever had proper alcoholic drink, including alcopops (age 8-12, 13-15)	Derived

Children 13-15

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

Fruit and vegetable consumption

Fruit and Vegetable Consumption		
Variable	**Description**	**Source**
VEGSAL	Whether ate salad yesterday	Indiv
VEGSALQ	Number of bowls of salad eaten yesterday	Indiv
VEGPUL	Were pulses eaten yesterday	Indiv
VEGPULQ	Number of tablespoons of pulses eaten yesterday	Indiv
VEGVEG	Were any vegetables eaten yesterday	Indiv
VEGVEGQ	Number of tablespoons of vegetables eaten yesterday	Indiv
VEGDISH	Any dishes made from mainly vegetables eaten yesterday	Indiv
VEGDISHQ	Number of tablespoons of vegetable dishes eaten yesterday	Indiv
VEGUSUAL	Ate more than usual amounts of vegetables, salad and pulses yesterday	Indiv
FRTDRNK	Drank any fruit juice yesterday	Indiv
FRTDRNKQ	Number of small glasses of fruit juice drank yesterday	Indiv
FRT	Was any fruit eaten yesterday	Indiv
FRTC01	Size of fruit: 1st mentioned	Indiv
FRTC02	Size of fruit: 2nd mentioned	Indiv
FRTC03	Size of fruit: 3rd mentioned	Indiv
FRTC04	Size of fruit: 4th mentioned	Indiv
FRTC05	Size of fruit: 5th mentioned	Indiv
FRTC06	Size of fruit: 6th mentioned	Indiv
FRTC07	Size of fruit: 7th mentioned	Indiv
FRTC08	Size of fruit: 8th mentioned	Indiv
FRTC09	Size of fruit: 9th mentioned	Indiv
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
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
FRTDRY	Was any dried fruit eaten yesterday?	Indiv
FRTDRYQ	Number of tablespoons of dried fruit eaten yesterday	Indiv
FRTFRZ15	Was any frozen fruit eaten yesterday?	Indiv
FRTFRZ15Q	Number of tablespoons of frozen fruit eaten yesterday	Indiv
FRTTIN	Was 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
PORFTVG15_5	(D) Grouped portions of fruit (inc.orange juice) & veg yesterday, 5+	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	Spent money on tickets for National Lottery Draw in last 12 months	SC 16+
GALB	Bought scratchcards in last 12 months	SC 16+
GALC	Bought tickets for other lottery in last 12 months	SC 16+
GALE	Spent money on the football pools in last 12 months	SC 16+
GALD	Spent money on bingo (not online) in last 12 months	SC 16+
GALF	Played fruit or slot machines in last 12 months	SC 16+
GALG	Played virtual gaming machines in bookmakers in last 12 months	SC 16+
GALS	Played table games in casino in last 12 months	SC 16+
GALH	Played poker in pub tournament/league or club in last 12 months	SC 16+
GALJ	Spent money online gambling (e.g. poker, bingo, instant win, casino games) in last 12 months	SC 16+
GALT	Spent money online betting with bookmaker in last 12 months	SC 16+
GALU	Spent money in betting exchange in last 12 months	SC 16+
GALK	Bet on horse races (at bookmakers, by phone or at track) in last 12 months	SC 16+
GALLX	Bet on dog races (at bookmakers, by phone or at track) in last 12 months	SC 16+
GALM	Bet on sports events (at bookmakers, by phone or at venue) in last 12 months	SC 16+
GALN	Bet on other events (at bookmakers, by phone or at venue) in last 12 months	SC 16+
GALO	Spent money 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

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 (version iv DSM)	Derived
DSM2	(D) Answer to DSM item 2 (version iv DSM)	Derived
DSM3	(D) Answer to DSM item 3 (version iv DSM)	Derived
DSM4	(D) Answer to DSM item 4 (version iv DSM)	Derived
DSM5	(D) Answer to DSM item 5 (version iv DSM)	Derived
DSM6	(D) Answer to DSM item 6 (version iv DSM)	Derived
DSM7	(D) Answer to DSM item 7 (version iv DSM)	Derived
DSM8	(D) Answer to DSM item 8 (version iv DSM)	Derived
DSM9	(D) Answer to DSM item 9 (version iv DSM)	Derived
DSM10	(D) Answer to DSM item 10 (version iv DSM)	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) (version iv DSM)	Derived
DSM2A	(D) Answer to DSM item 2 (scale) (version iv DSM)	Derived
DSM3A	(D) Answer to DSM item 3 (scale) (version iv DSM)	Derived
DSM4A	(D) Answer to DSM item 4 (scale) (version iv DSM)	Derived
DSM5A	(D) Answer to DSM item 5 (scale) (version iv DSM)	Derived
DSM6A	(D) Answer to DSM item 6 (scale) (version iv DSM)	Derived
DSM7A	(D) Answer to DSM item 7 (scale) (version iv DSM)	Derived
DSM8A	(D) Answer to DSM item 8 (scale) (version iv DSM)	Derived
DSM9A	(D) Answer to DSM item 9 (scale) (version iv DSM)	Derived
DSM10A	(D) Answer to DSM item 10 (scale) (version iv DSM)	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

General Wellbeing

Variable	Description	Source
WEMWBS	(D) WEMWBS score	Derived
WemwbsQ	(D) Wemwbs score - quintiles	Derived
OPTIMF	Been feeling optimistic about the future	SC 13+
USEFUL	Been feeling useful	SC 13+
RELAX	Been feeling relaxed	SC 13+
INTPEOP	Been feeling interested in other people	SC 13+
ENERGY	I've had energy to spare	SC 13+
DEALPRB	Been dealing with problems well	SC 13+
THKCLR	Been thinking clearly	SC 13+
GOODME	Been feeling good about myself	SC 13+
CLSEPEOP	Been feeling close to other people	SC 13+
CONFIDET	Been feeling confident	SC 13+
MAKEMIND	Been able to make up my own mind about things	SC 13+
LOVED	Been feeling loved	SC 13+
INTTHGS	Been interested in new things	SC 13+
CHEER	Been feeling cheerful	SC 13+
SCSatis	Overall satisfaction with life nowadays	SC 16+
LifesatG	(D) Overall, how satisfied with life nowadays - grouped	Derived

GHQ

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

Personal Care Plan

Variable	Description	Source
PlanAg	Whether health professional agreed a PCP In last 12 months	Nurse SC 16+
OffPlan	Whether talked about/been offered a Personal Care Plan in last 12 months	Nurse SC 16+
CareImpr	Whether PCP has improved health and social care services received	Nurse SC 16+

Diabetes

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

High Blood Pressure

Variable	Description	Source
EVERBP	Do you have or ever had high blood pressure (hypertension)	Indiv
DOCBP	Were you told by a doctor/nurse that you had high BP?	Indiv
PREGBP	Were you pregnant whe you were told you had high BP?	Indiv
OTHBP	Have you had high BP apart from when pregnant?	Indiv
AGEBP	Age told had high BP	Indiv
BP1	(D) Doctor diagnosed high blood pressure (excluding pregnant)	Derived

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
LIMLAST	(D) Limiting longlasting illness	Derived
COMPLST1	(D) II Neoplasms & benign growths	Derived
COMPLST2	(D) III Endocrine & metabolic	Derived
COMPLST3	(D) V Mental disorders	Derived
COMPLST4	(D) VI Nervous system	Derived
COMPLST5	(D) VI Eye complaints	Derived
COMPLST6	(D) VI Ear complaints	Derived
COMPLST7	(D) VII Heart & circulatory system	Derived
COMPLST8	(D) VIII Respiratory system	Derived
COMPLST9	(D) IX Digestive system	Derived
COMPLST10	(D) X Genito-urinary system	Derived
COMPLST11	(D) XII Skin complaints	Derived
COMPLST12	(D) XIII Musculoskeletal system	Derived
COMPLST13	(D) I Infectious disease	Derived
COMPLST14	(D) IV Blood & related organs	Derived
COMPLST15	(D) Other complaints	Derived
COMPLST17	(D) No long lasting illness	Derived
COMPLST18	(D) No longer present	Derived
COMPLST99	(D) Unclass/NLP/inadeq.describe	Derived
CONDLCNT	(D) Number of grouped condition categories	Derived
CONDLCNT2	(D) Number of grouped conditions - 4 plus	Derived
ILLMORE1	(D) Numer of longstanding illnesses – grouped	Derived
ILLAFF1	Whether conditions or illnesses affect: Vision (for example blindness or partial sight)	Indiv
ILLAFF2	Whether conditions or illnesses affect: Hearing (for example deafness or partial hearing)	Indiv
ILLAFF3	Whether conditions or illnesses affect: Mobility (for example walking short distances or climbing stairs)	Indiv

ILLAFF4	Whether conditions or illnesses affect: Dexterity (for example lifting and carrying objects, using a keyboard)	Indiv
ILLAFF5	Whether conditions or illnesses affect: Learning or understanding or concentrating	Indiv
ILLAFF6	Whether conditions or illnesses affect: Memory	Indiv
ILLAFF7	Whether conditions or illnesses affect: Mental health	Indiv
ILLAFF8	Whether conditions or illnesses affect: Stamina, breathing or fatigue	Indiv
ILLAFF9	Whether conditions or illnesses affect: Socially or behaviourally (for example associated with autism, attention deficit disorder or Asperger's syndrome)	Indiv
ILLAFF95	Whether conditions or illnesses affect: Other	Indiv
ILLAFF96	Whether conditions or illnesses affect: None of these	Indiv
ILLAFF97	Whether conditions or illnesses affect: Refusal	Indiv
REDUCACT	Day-to-day activities reduced due to illness	Indiv
AFFLNG	How long day-to-day activities have been reduced	Indiv
REDACT1	Whether 1st condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT2	Whether 2nd condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT3	Whether 3rd condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT4	Whether 4th condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT5	Whether 5th condition or illness reduces ability to carry out day-to-day activities	Indiv
REDACT6	Whether 6th condition or illness reduces ability to carry out day-to-day activities	Indiv

Prescribed Medicines: Drugs affecting blood analytes/Other drugs

Variable	Description	Source
DIUR2	(D) Diuretics (Blood pressure) {revised}	Derived
BETA2	(D) Beta blockers (Blood pressure/Fibrinogen) {revised}	Derived
ACEINH2	(D) Ace inhibitors(Blood pressure) {revised}	Derived
CALCIUMB2	(D) Calcium blockers (Blood pressure) {revised}	Derived
OBPDRUG2	(D) Other drugs affecting BP {revised}	Derived
LIPID2	(D) Lipid lowering (Cholesterol/Fibrinogen) – prescribed {revised}	Derived
IRON2	(D) Iron deficiency (Haemoglobin/Ferritin) {revised}	Derived
BPMEDC2	(D) Whether taking drugs affecting blood pressure {revised}	Derived
BPMEDD2	(D) Whether taking drugs prescribed for blood pressure {revised}	Derived
ANTIPLAM2	(D) Antiplatlets prescribed (binary)	Derived
ANALGM2	(D) Analgesics prescribed (binary)	Derived
PROTONM2	(D) Proton pump inhibitors prescribed (binary)	Derived
ANTIDEPM2	(D) Antidepressants prescribed (binary)	Derived
COPDM2	(D) Asthma or COPD prescribed (binary)	Derived
ANTIDIABM2	(D) Antidiabetic prescribed (binary)	Derived
ANTIBACM2	(D) Antibacterial medications prescribed (binary)	Derived

Prescribed Medicines: General

Variable	Description	Source
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	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 antiplatlets 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 antiHyperAtensives taken in last 7 days regardless of Hypertension (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 reported health - four categories	Derived
NHSSAT	All in all, how satisfied or dissatisfied would you say you are with the way in which the NHS runs nowadays?	Indiv

Weight management

Current weight management tools/services

Variable	Description	Source
WMNow1	Whether currently using weight management tool/service: Website or mobile phone apps	Indiv
WMNow2	Whether currently using weight management tool/service: Activity tracker/fitness monitor	Indiv
WMNow3	Whether currently using weight management tool/service: Dieting club	Indiv
WMNow4	Whether currently using weight management tool/service: Local weight management programme	Indiv
WMNow5	Whether currently using weight management tool/service: NHS Services (dietician/obesity nurse)	Indiv
WMNow6	Whether currently using weight management tool/service: Gym or other exercise	Indiv
WMNow7	Whether currently using weight management tool/service: Other - diet/healthy eating	Indiv
WMNow8	Whether currently using weight management tool/service: Other - tablets	Indiv
WMNow9	Whether currently using weight management tool/service: Other - personal changes	Indiv
WMNow95	Whether currently using weight management tool/service: Another tool or service	Indiv
WMNow96	Whether currently using weight management tool/service: None of these	Indiv
WMNowAny	(D) Currently using weight management tool/service	Indiv
WM_1_Strt1	Reason started using website or mobile phone app: Lose weight	Indiv
WM_1_Strt2	Reason started using website or mobile phone app: Advised by GP/health professional	Indiv
WM_1_Strt3	Reason started using website or mobile phone app: Maintain/improve health	Indiv
WM_1_Strt4	Reason started using website or mobile phone app: Maintain/improve fitness	Indiv
WM_1_Strt5	Reason started using website or mobile phone app: For a specific occasion (wedding/holiday etc.)	Indiv
WM_1_Strt6	Reason started using website or mobile phone app: To feel better about self	Indiv
WM_1_Strt7	Reason started using website or mobile phone app: Ease/practicality of tool/service	Indiv
WM_1_Strt8	Reason started using website or mobile phone app: Because it is free/cheap	Indiv
WM_1_Strt9	Reason started using website or mobile phone app: Family / friend recommendation	Indiv
WM_1_Strt10	Reason started using website or mobile phone app: Other - social reasons	Indiv
WM_1_Strt95	Reason started using website or mobile phone app: Other	Indiv
WM_1_adv1	Whether advised by health professional to start using website or mobile phone app: GP/Doctor	Indiv
WM_1_adv2	Whether advised by health professional to start using website or mobile phone app: Nurse	Indiv
WM_1_adv3	Whether advised by health professional to start using website or mobile phone app: Dietician	Indiv
WM_1_adv4	Whether advised by health professional to start using website or mobile phone app: Other - medical at work	Indiv
WM_1_adv95	Whether advised by health professional to start using website or mobile phone app: Another health professional	Indiv
WM_1_adv96	Whether advised by health professional to start using website or mobile phone app: None of these	Indiv
WM_1_whn1	When advised by health professional to start using website or mobile phone app: NHS Health check	Indiv
WM_1_whn2	When advised by health professional to start using website or mobile phone app: GP visit	Indiv
WM_1_whn3	When advised by health professional to start using website or mobile phone app: Practice nurse visit	Indiv
WM_1_whn4	When advised by health professional to start using website or mobile phone app: Hospital visit	Indiv
WM_1_whn5	When advised by health professional to start using website or mobile phone app: Other - medical at work	Indiv
WM_1_whn95	When advised by health professional to start using website or mobile phone app: Another occasion	Indiv
WM_1_Pay	Whether pays any money to use website or mobile phone app	Indiv
WM_1_PayOth1	Whether organisation pays towards use of website or mobile phone app: Local authority	Indiv
WM_1_PayOth2	Whether organisation pays towards use of website or mobile phone app: NHS	Indiv
WM_1_PayOth95	Whether organisation pays towards use of website or mobile phone app: Another person or organisation	Indiv
WM_1_PayOth96	Whether organisation pays towards use of website or mobile phone app: No one else pays towards use	Indiv

WM_2_Strt1	Reason started using activity trackers or fitness monitors: Lose weight	Indiv
WM_2_Strt2	Reason started using activity trackers or fitness monitors: Advised by GP/health professional	Indiv
WM_2_Strt3	Reason started using activity trackers or fitness monitors : Maintain/improve health	Indiv
WM_2_Strt4	Reason started using activity trackers or fitness monitors: Maintain/improve fitness	Indiv
WM_2_Strt5	Reason started using activity trackers or fitness monitors: For a specific occasion (wedding/holiday etc.)	Indiv
WM_2_Strt6	Reason started using activity trackers or fitness monitors: To feel better about self	Indiv
WM_2_Strt7	Reason started using activity trackers or fitness monitors: Ease/practicality of tool/service	Indiv
WM_2_Strt8	Reason started using activity trackers or fitness monitors: Because it is free/cheap	Indiv
WM_2_Strt9	Reason started using activity trackers or fitness monitors: Family / friend recommendation	Indiv
WM_2_Strt10	Reason started using activity trackers or fitness monitors: Other - social reasons	Indiv
WM_2_Strt95	Reason started using activity trackers or fitness monitors: Other	Indiv
WM_2_adv1	Whether advised by health professional to start using activity trackers or fitness monitors: GP/Doctor	Indiv
WM_2_adv2	Whether advised by health professional to start using activity trackers or fitness monitors: Nurse	Indiv
WM_2_adv3	Whether advised by health professional to start using activity trackers or fitness monitors: Dietician	Indiv
WM_2_adv4	Whether advised by health professional to start using activity trackers or fitness monitors: Other - medical at work	Indiv
WM_2_adv95	Whether advised by health professional to start using activity trackers or fitness monitors: Another health professional	Indiv
WM_2_adv96	Whether advised by health professional to start using activity trackers or fitness monitors: None of these	Indiv
WM_2_whn1	When advised by health professional to start using activity trackers or fitness monitors: NHS Health check	Indiv
WM_2_whn2	When advised by health professional to start using activity trackers or fitness monitors: GP visit	Indiv
WM_2_whn3	When advised by health professional to start using activity trackers or fitness monitors: Practice nurse visit	Indiv
WM_2_whn4	When advised by health professional to start using activity trackers or fitness monitors: Hospital visit	Indiv
WM_2_whn5	When advised by health professional to start using activity trackers or fitness monitors: Other - medical at work	Indiv
WM_2_whn95	When advised by health professional to start using activity trackers or fitness monitors: Another occasion	Indiv
WM_2_Pay	Whether pays any money to use activity trackers or fitness monitors	Indiv
WM_2_PayOth1	Whether organisation pays towards use of activity trackers or fitness monitors: Local authority	Indiv
WM_2_PayOth2	Whether organisation pays towards use of activity trackers or fitness monitors: NHS	Indiv
WM_2_PayOth95	Whether organisation pays towards use of activity trackers or fitness monitors: Another person or organisation	Indiv
WM_2_PayOth96	Whether organisation pays towards use of activity trackers or fitness monitors: No one else pays towards use	Indiv
WM_3_Strt1	Reason started using dieting club: Lose weight	Indiv
WM_3_Strt2	Reason started using dieting club: Advised by GP/health professional	Indiv
WM_3_Strt3	Reason started using dieting club: Maintain/improve health	Indiv
WM_3_Strt4	Reason started using dieting club: Maintain/improve fitness	Indiv
WM_3_Strt5	Reason started using dieting club: For a specific occasion (wedding/holiday etc.)	Indiv
WM_3_Strt6	Reason started using dieting club: To feel better about self	Indiv
WM_3_Strt7	Reason started using dieting club: Ease/practicality of tool/service	Indiv
WM_3_Strt8	Reason started using dieting club: Because it is free/cheap	Indiv
WM_3_Strt9	Reason started using dieting club: Family / friend recommendation	Indiv
WM_3_Strt10	Reason started using dieting club: Other - social reasons	Indiv
WM_3_Strt95	Reason started using dieting club: Other	Indiv
WM_3_adv1	Whether advised by health professional to start using dieting club: GP/Doctor	Indiv
WM_3_adv2	Whether advised by health professional to start using dieting club: Nurse	Indiv
WM_3_adv3	Whether advised by health professional to start using dieting club: Dietician	Indiv
WM_3_adv4	Whether advised by health professional to start using dieting club: Other - medical at work	Indiv
WM_3_adv95	Whether advised by health professional to start using dieting club: Another health professional	Indiv
WM_3_adv96	Whether advised by health professional to start using dieting club: None of these	Indiv
WM_3_whn1	When advised by health professional to start using dieting club: NHS Health check	Indiv
WM_3_whn2	When advised by health professional to start using dieting club: GP visit	Indiv
WM_3_whn3	When advised by health professional to start using dieting club: Practice nurse visit	Indiv
WM_3_whn4	When advised by health professional to start using dieting club: Hospital visit	Indiv

WM_3_whn5	When advised by health professional to start using dieting club: Other - medical at work	Indiv
WM_3_whn95	When advised by health professional to start using dieting club: Another occasion	Indiv
WM_3_Pay	Whether pays any money to use dieting club	Indiv
WM_3_PayOth1	Whether organisation pays towards use of dieting club: Local authority	Indiv
WM_3_PayOth2	Whether organisation pays towards use of dieting club: NHS	Indiv
WM_3_PayOth95	Whether organisation pays towards use of dieting club: Another person or organisation	Indiv
WM_3_PayOth96	Whether organisation pays towards use of dieting club: No one else pays towards use	Indiv
WM_4_Strt1	Reason started using local weight management programme: Lose weight	Indiv
WM_4_Strt2	Reason started using local weight management programme: Advised by GP/health professional	Indiv
WM_4_Strt3	Reason started using local weight management programme: Maintain/improve health	Indiv
WM_4_Strt4	Reason started using local weight management programme: Maintain/improve fitness	Indiv
WM_4_Strt5	Reason started using local weight management programme: For a specific occasion (wedding/holiday etc.)	Indiv
WM_4_Strt6	Reason started using local weight management programme: To feel better about self	Indiv
WM_4_Strt7	Reason started using local weight management programme: Ease/practicality of tool/service	Indiv
WM_4_Strt8	Reason started using local weight management programme: Because it is free/cheap	Indiv
WM_4_Strt9	Reason started using local weight management programme: Family / friend recommendation	Indiv
WM_4_Strt10	Reason started using local weight management programme: Other - social reasons	Indiv
WM_4_Strt95	Reason started using local weight management programme: Other	Indiv
WM_4_adv1	Whether advised by health professional to start using local weight management programme: GP/Doctor	Indiv
WM_4_adv2	Whether advised by health professional to start using local weight management programme: Nurse	Indiv
WM_4_adv3	Whether advised by health professional to start using local weight management programme: Dietician	Indiv
WM_4_adv4	Whether advised by health professional to start using local weight management programme: Other - medical at work	Indiv
WM_4_adv95	Whether advised by health professional to start using local weight management programme: Another health professional	Indiv
WM_4_adv96	Whether advised by health professional to start using local weight management programme: None of these	Indiv
WM_4_whn1	When advised by health professional to start using local weight management programme: NHS Health check	Indiv
WM_4_whn2	When advised by health professional to start using local weight management programme: GP visit	Indiv
WM_4_whn3	When advised by health professional to start using local weight management programme: Practice nurse visit	Indiv
WM_4_whn4	When advised by health professional to start using local weight management programme: Hospital visit	Indiv
WM_4_whn5	When advised by health professional to start using local weight management programme: Other - medical at work	Indiv
WM_4_whn95	When advised by health professional to start using local weight management programme: Another occasion	Indiv
WM_4_Pay	Whether pays any money to use local weight management programme	Indiv
WM_4_PayOth1	Whether organisation pays towards use of local weight management programme: Local authority	Indiv
WM_4_PayOth2	Whether organisation pays towards use of local weight management programme: NHS	Indiv
WM_4_PayOth95	Whether organisation pays towards use of local weight management programme: Another person or organisation	Indiv
WM_4_PayOth96	Whether organisation pays towards use of local weight management programme: No one else pays towards use	Indiv
WM_5_Strt1	Reason started using NHS services (e.g. dietician, obesity nurse): Lose weight	Indiv
WM_5_Strt2	Reason started using NHS services (e.g. dietician, obesity nurse): Advised by GP/health professional	Indiv
WM_5_Strt3	Reason started using NHS services (e.g. dietician, obesity nurse): Maintain/improve health	Indiv
WM_5_Strt4	Reason started using NHS services (e.g. dietician, obesity nurse): Maintain/improve fitness	Indiv
WM_5_Strt5	Reason started using NHS services (e.g. dietician, obesity nurse): For a specific occasion (wedding/holiday etc.)	Indiv

WM_5_Strt6	Reason started using NHS services (e.g. dietician, obesity nurse): To feel better about self	Indiv
WM_5_Strt7	Reason started using NHS services (e.g. dietician, obesity nurse): Ease/practicality of tool/service	Indiv
WM_5_Strt8	Reason started using NHS services (e.g. dietician, obesity nurse): Because it is free/cheap	Indiv
WM_5_Strt9	Reason started using NHS services (e.g. dietician, obesity nurse): Family / friend recommendation	Indiv
WM_5_Strt10	Reason started using NHS services (e.g. dietician, obesity nurse): Other - social reasons	Indiv
WM_5_Strt95	Reason started using NHS services (e.g. dietician, obesity nurse): Other	Indiv
WM_5_adv1	Whether advised by health professional to start using NHS services (e.g. dietician, obesity nurse): GP/Doctor	Indiv
WM_5_adv2	Whether advised by health professional to start using NHS services (e.g. dietician, obesity nurse): Nurse	Indiv
WM_5_adv3	Whether advised by health professional to start using NHS services (e.g. dietician, obesity nurse): Dietician	Indiv
WM_5_adv4	Whether advised by health professional to start using NHS services (e.g. dietician, obesity nurse): Other - medical at work	Indiv
WM_5_adv95	Whether advised by health professional to start using NHS services (e.g. dietician, obesity nurse): Another health professional	Indiv
WM_5_adv96	Whether advised by health professional to start using NHS services (e.g. dietician, obesity nurse): None of these	Indiv
WM_5_whn1	When advised by health professional to start using NHS services (e.g. dietician, obesity nurse): NHS Health check	Indiv
WM_5_whn2	When advised by health professional to start using NHS services (e.g. dietician, obesity nurse): GP visit	Indiv
WM_5_whn3	When advised by health professional to start using NHS services (e.g. dietician, obesity nurse): Practice nurse visit	Indiv
WM_5_whn4	When advised by health professional to start using NHS services (e.g. dietician, obesity nurse): Hospital visit	Indiv
WM_5_whn5	When advised by health professional to start using NHS services (e.g. dietician, obesity nurse): Other - medical at work	Indiv
WM_5_whn95	When advised by health professional to start using NHS services (e.g. dietician, obesity nurse): Another occasion	Indiv
WM_5_Pay	Whether pays any money to use NHS services (e.g. dietician, obesity nurse)	Indiv
WM_5_PayOth1	Whether organisation pays towards use of NHS services (e.g. dietician, obesity nurse): Local authority	Indiv
WM_5_PayOth2	Whether organisation pays towards use of NHS services (e.g. dietician, obesity nurse): NHS	Indiv
WM_5_PayOth95	Whether organisation pays towards use of NHS services (e.g. dietician, obesity nurse): Another person or organisation	Indiv
WM_5_PayOth96	Whether organisation pays towards use of NHS services (e.g. dietician, obesity nurse): No one else pays towards use	Indiv
WM_6_Strt1	Reason started using the gym or other exercise: Lose weight	Indiv
WM_6_Strt2	Reason started using the gym or other exercise: Advised by GP/health professional	Indiv
WM_6_Strt3	Reason started using the gym or other exercise: Maintain/improve health	Indiv
WM_6_Strt4	Reason started using the gym or other exercise: Maintain/improve fitness	Indiv
WM_6_Strt5	Reason started using the gym or other exercise: For a specific occasion (wedding/holiday etc.)	Indiv
WM_6_Strt6	Reason started using the gym or other exercise: To feel better about self	Indiv
WM_6_Strt7	Reason started using the gym or other exercise: Ease/practicality of tool/service	Indiv
WM_6_Strt8	Reason started using the gym or other exercise: Because it is free/cheap	Indiv
WM_6_Strt9	Reason started using the gym or other exercise: Family / friend recommendation	Indiv
WM_6_Strt10	Reason started using the gym or other exercise: Other - social reasons	Indiv
WM_6_Strt95	Reason started using the gym or other exercise: Other	Indiv
WM_6_adv1	Whether advised by health professional to start using the gym or other exercise: GP/Doctor	Indiv
WM_6_adv2	Whether advised by health professional to start using the gym or other exercise: Nurse	Indiv
WM_6_adv3	Whether advised by health professional to start using the gym or other exercise: Dietician	Indiv
WM_6_adv4	Whether advised by health professional to start using the gym or other exercise: Other - medical at work	Indiv
WM_6_adv95	Whether advised by health professional to start using the gym or other exercise: Another health professional	Indiv
WM_6_adv96	Whether advised by health professional to start using the gym or other exercise: None of these	Indiv
WM_6_whn1	When advised by health professional to start using the gym or other exercise: NHS Health check	Indiv

WM_6_whn2	When advised by health professional to start using the gym or other exercise: GP visit	Indiv
WM_6_whn3	When advised by health professional to start using the gym or other exercise: Practice nurse visit	Indiv
WM_6_whn4	When advised by health professional to start using the gym or other exercise: Hospital visit	Indiv
WM_6_whn5	When advised by health professional to start using the gym or other exercise: Other - medical at work	Indiv
WM_6_whn95	When advised by health professional to start using the gym or other exercise: Another occasion	Indiv
WM_6_Pay	Whether pays any money to use the gym or other exercise	Indiv
WM_6_PayOth1	Whether organisation pays towards use of the gym or other exercise: Local authority	Indiv
WM_6_PayOth2	Whether organisation pays towards use of the gym or other exercise: NHS	Indiv
WM_6_PayOth95	Whether organisation pays towards use of the gym or other exercise: Another person or organisation	Indiv
WM_6_PayOth96	Whether organisation pays towards use of the gym or other exercise: No one else pays towards use	Indiv
WM_7_Strt1	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Lose weight	Indiv
WM_7_Strt2	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Advised by GP/health professional	Indiv
WM_7_Strt3	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Maintain/improve health	Indiv
WM_7_Strt4	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Maintain/improve fitness	Indiv
WM_7_Strt5	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): For a specific occasion (wedding/holiday etc.)	Indiv
WM_7_Strt6	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): To feel better about self	Indiv
WM_7_Strt7	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Ease/practicality of tool/service	Indiv
WM_7_Strt8	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Because it is free/cheap	Indiv
WM_7_Strt9	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Family / friend recommendation	Indiv
WM_7_Strt10	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Other - social reasons	Indiv
WM_7_Strt95	Reason started using other tools or services (diet/healthy eating/personal changes/another tool or service): Other	Indiv
WM_7_adv1	Whether advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): GP/Doctor	Indiv
WM_7_adv2	Whether advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): Nurse	Indiv
WM_7_adv3	Whether advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): Dietician	Indiv
WM_7_adv4	Whether advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): Other - medical at work	Indiv
WM_7_adv95	Whether advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): Another health professional	Indiv
WM_7_adv96	Whether advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): None of these	Indiv
WM_7_whn1	When advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): NHS Health check	Indiv
WM_7_whn2	When advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): GP visit	Indiv
WM_7_whn3	When advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): Practice nurse visit	Indiv
WM_7_whn4	When advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): Hospital visit	Indiv
WM_7_whn5	When advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): Other - medical at work	Indiv
WM_7_whn95	When advised by health professional to start using other tools or services (diet/healthy eating/personal changes/another tool or service): Another occasion	Indiv
WM_7_Pay	Whether pays any money to use other tools or services (diet/healthy eating/personal changes/another tool or service)	Indiv
WM_7_PayOth1	Whether organisation pays towards use of other tools or services (diet/healthy eating/personal changes/another tool or service): Local authority	Indiv

WM_7_PayOth2	Whether organisation pays towards use of other tools or services (diet/healthy eating/personal changes/another tool or service): NHS	Indiv
WM_7_PayOth95	Whether organisation pays towards use of other tools or services (diet/healthy eating/personal changes/another tool or service): Another person or organisation	Indiv
WM_7_PayOth96	Whether organisation pays towards use of other tools or services (diet/healthy eating/personal changes/another tool or service): No one else pays towards use	Indiv
WMAdvDoc	(D) Advised to use current weight management tool/service by GP/doctor	Derived
WMAdvNur	(D) Advised to use current weight management tool/service by nurse	Derived
WMAdvDie	(D) Advised to use current weight management tool/service by dietician	Derived
WMAdvOHP	(D) Advised to use current weight management tool/service by other health professional	Derived
WMAdvAny	(D) Advised to use current weight management tool/service by medical professional	Derived
WMWhnHChk	(D) Advised to use current weight management tool/service at NHS health check	Derived
WMWhnGP	(D) Advised to use current weight management tool/service at GP visit	Derived
WMWhnPrN	(D) Advised to use current weight management tool/service at practice nurse visit	Derived
WMWhnHos	(D) Advised to use current weight management tool/service at hospital visit	Derived
WMWhnOH	(D) Advised to use current weight management tool/service at other health context	Derived

Weight management advice

Variable	Description	Source
WMAd12_1	Whether advised to do something to manage or change weight: GP	Indiv
WMAd12_2	Whether advised to do something to manage or change weight: Nurse	Indiv
WMAd12_3	Whether advised to do something to manage or change weight: Dietician	Indiv
WMAd12_4	Whether advised to do something to manage or change weight: Other - Pharmacist	Indiv
WMAd12_95	Whether advised to do something to manage or change weight: Another health professional	Indiv
WMAd12_96	Whether advised to do something to manage or change weight: Other	Indiv
WMAd12Wn_1	When advised to do something to manage or change weight: NHS health check	Indiv
WMAd12Wn_2	When advised to do something to manage or change weight: GP visit	Indiv
WMAd12Wn_3	When advised to do something to manage or change weight: Practice nurse visit	Indiv
WMAd12Wn_4	When advised to do something to manage or change weight: Hospital visit	Indiv
WMAd12Wn_5	When advised to do something to manage or change weight: Other - Chemist	Indiv
WMAd12Wn_95	When advised to do something to manage or change weight: Another occasion	Indiv

Weight management tools/services in the last 12 months

Variable	Description	Source
WM12_1	Whether used weight management tool/service in last 12 months: Website or mobile phone apps	Indiv
WM12_2	Whether used weight management tool/service in last 12 months: Activity tracker/fitness monitor	Indiv
WM12_3	Whether used weight management tool/service in last 12 months: Dieting club	Indiv
WM12_4	Whether used weight management tool/service in last 12 months: Local weight management programme	Indiv
WM12_5	Whether used weight management tool/service in last 12 months: NHS services (dietician/obesity nurse)	Indiv
WM12_6	Whether used weight management tool/service in last 12 months: Gym or other exercise	Indiv
WM12_7	Whether used weight management tool/service in last 12 months: Other - diet/healthy eating	Indiv
WM12_8	Whether used weight management tool/service in last 12 months: Other - tablets	Indiv
WM12_9	Whether used weight management tool/service in last 12 months: Other - personal changes	Indiv
WM12_95	Whether used weight management tool/service in last 12 months: Another tool / service	Indiv
WM12_96	Whether used weight management tool/service in last 12 months: None of these	Indiv
WM12Any	(D) Used any weight management tool/service in last 12 months but not currently	Derived
WM12_1_St1	Reason used website or mobile phone app in last 12 months: Lose weight	Indiv
WM12_1_St2	Reason used website or mobile phone app in last 12 months: Advised by GP/health professional	Indiv
WM12_1_St3	Reason used website or mobile phone app in last 12 months: Maintain/improve health	Indiv
WM12_1_St4	Reason used website or mobile phone app in last 12 months: Maintain/improve fitness	Indiv

WM12_1_St5	Reason used website or mobile phone app in last 12 months: For an occasion (wedding, holiday etc.)	Indiv
WM12_1_St6	Reason used website or mobile phone app in last 12 months: To feel better about self	Indiv
WM12_1_St7	Reason used website or mobile phone app in last 12 months: Ease/practicality of tool/service	Indiv
WM12_1_St8	Reason used website or mobile phone app in last 12 months: Because it was free/cheap	Indiv
WM12_1_St9	Reason used website or mobile phone app in last 12 months: Family / friend recommendation	Indiv
WM12_1_St10	Reason used website or mobile phone app in last 12 months: Other - social reasons	Indiv
WM12_1_St95	Reason used website or mobile phone app in last 12 months: Other	Indiv
WM12_1_Stp1	Reason stopped using website or mobile phone app in last 12 months: Reached goal	Indiv
WM12_1_Stp2	Reason stopped using website or mobile phone app in last 12 months: Lost motivation	Indiv
WM12_1_Stp3	Reason stopped using website or mobile phone app in last 12 months: Financial reasons	Indiv
WM12_1_Stp4	Reason stopped using website or mobile phone app in last 12 months: Wasn't using it	Indiv
WM12_1_Stp5	Reason stopped using website or mobile phone app in last 12 months: Difficulty finding time	Indiv
WM12_1_Stp6	Reason stopped using website or mobile phone app in last 12 months: Didn't work/wasn't helping	Indiv
WM12_1_Stp7	Reason stopped using website or mobile phone app in last 12 months: Programme stopped/funding ran out	Indiv
WM12_1_Stp8	Reason stopped using website or mobile phone app in last 12 months: Change in circumstances	Indiv
WM12_1_Stp95	Reason stopped using website or mobile phone app in last 12 months: Other	Indiv
WM12_1_Pay	Whether paid any money to use website or mobile phone app	Indiv
WM12_1_PayO1	Whether organisation paid towards use of website or mobile phone app: Local authority	Indiv
WM12_1_PayO2	Whether organisation paid towards use of website or mobile phone app: NHS	Indiv
WM12_1_PayO95	Whether organisation paid towards use of website or mobile phone app: Another person or organisation	Indiv
WM12_1_PayO96	Whether organisation paid towards use of website or mobile phone app: No one else paid towards use	Indiv
WM12_2_St1	Reason used activity tracker/fitness monitor in last 12 months: Lose weight	Indiv
WM12_2_St2	Reason used activity tracker/fitness monitor in last 12 months: Advised by GP/health professional	Indiv
WM12_2_St3	Reason used activity tracker/fitness monitor in last 12 months: Maintain/improve health	Indiv
WM12_2_St4	Reason used activity tracker/fitness monitor in last 12 months: Maintain/improve fitness	Indiv
WM12_2_St5	Reason used activity tracker/fitness monitor in last 12 months: For a specific occasion	Indiv
WM12_2_St6	Reason used activity tracker/fitness monitor in last 12 months: To feel better about self	Indiv
WM12_2_St7	Reason used activity tracker/fitness monitor in last 12 months: Ease/practicality of tool/service	Indiv
WM12_2_St8	Reason used activity tracker/fitness monitor in last 12 months: Because it was free/cheap	Indiv
WM12_2_St9	Reason used activity tracker/fitness monitor in last 12 months: Family / friend recommendation	Indiv
WM12_2_St10	Reason used activity tracker/fitness monitor in last 12 months: Other -social reasons	Indiv
WM12_2_St95	Reason used activity tracker/fitness monitor in last 12 months: Other	Indiv
WM12_2_Stp1	Reason stopped using activity tracker/fitness in last 12 months: Reached goal	Indiv
WM12_2_Stp2	Reason stopped using activity tracker/fitness in last 12 months: Lost motivation	Indiv
WM12_2_Stp3	Reason stopped using activity tracker/fitness in last 12 months: Financial reasons	Indiv
WM12_2_Stp4	Reason stopped using activity tracker/fitness in last 12 months: Wasn't using it	Indiv
WM12_2_Stp5	Reason stopped using activity tracker/fitness in last 12 months: Difficulty finding time	Indiv
WM12_2_Stp6	Reason stopped using activity tracker/fitness in last 12 months: Didn't work/wasn't helping	Indiv
WM12_2_Stp7	Reason stopped using activity tracker/fitness in last 12 months: Programme stopped/funding ran out	Indiv
WM12_2_Stp8	Reason stopped using activity tracker/fitness in last 12 months: Change in circumstances	Indiv
WM12_2_Stp95	Reason stopped using activity tracker/fitness in last 12 months: Other	Indiv
WM12_2_Pay	Whether paid any money to use activity tracker/fitness	Indiv

WM12_2_PayO1	Whether organisation paid towards use of activity tracker/fitness: Local authority	Indiv
WM12_2_PayO2	Whether organisation paid towards use of activity tracker/fitness: NHS	Indiv
WM12_2_PayO95	Whether organisation paid towards use of activity tracker/fitness: Another person or organisation	Indiv
WM12_2_PayO96	Whether organisation paid towards use of activity tracker/fitness: No one else paid towards use	Indiv
WM12_3_St1	Reason used dieting club in last 12 months: Lose weight	Indiv
WM12_3_St2	Reason used dieting club in last 12 months: Advised by GP/health professional	Indiv
WM12_3_St3	Reason used dieting club in last 12 months: Maintain/improve health	Indiv
WM12_3_St4	Reason used dieting club in last 12 months: Maintain/improve fitness	Indiv
WM12_3_St5	Reason used dieting club in last 12 months: For a specific occasion	Indiv
WM12_3_St6	Reason used dieting club in last 12 months: To feel better about self	Indiv
WM12_3_St7	Reason used dieting club in last 12 months: Ease/practicality of tool/service	Indiv
WM12_3_St8	Reason used dieting club in last 12 months: Because it was free/cheap	Indiv
WM12_3_St9	Reason used dieting club in last 12 months: Family / friend recommendation	Indiv
WM12_3_St10	Reason used dieting club in last 12 months: Other -social reasons	Indiv
WM12_3_St95	Reason used dieting club in last 12 months: Other	Indiv
WM12_3_Stp1	Reason stopped using dieting club in last 12 months: Reached goal	Indiv
WM12_3_Stp2	Reason stopped using dieting club in last 12 months: Lost motivation	Indiv
WM12_3_Stp3	Reason stopped using dieting club in last 12 months: Financial reasons	Indiv
WM12_3_Stp4	Reason stopped using dieting club in last 12 months: Wasn't using it	Indiv
WM12_3_Stp5	Reason stopped using dieting club in last 12 months: Difficulty finding time	Indiv
WM12_3_Stp6	Reason stopped using dieting club in last 12 months: Didn't work/wasn't helping	Indiv
WM12_3_Stp7	Reason stopped using dieting club in last 12 months: Programme stopped/funding ran out	Indiv
WM12_3_Stp8	Reason stopped using dieting club in last 12 months: Change in circumstances	Indiv
WM12_3_Stp95	Reason stopped using dieting club in last 12 months: Other	Indiv
WM12_3_Pay	Whether paid any money to use dieting club	Indiv
WM12_3_PayO1	Whether organisation paid towards use of dieting club: Local authority	Indiv
WM12_3_PayO2	Whether organisation paid towards use of dieting club: NHS	Indiv
WM12_3_PayO95	Whether organisation paid towards use of dieting club: Another person or organisation	Indiv
WM12_3_PayO96	Whether organisation paid towards use of dieting club: No one else paid towards use	Indiv
WM12_4_St1	Reason used local weight management programme in last 12 months: Lose weight	Indiv
WM12_4_St2	Reason used local weight management programme in last 12 months: Advised by GP/health professional	Indiv
WM12_4_St3	Reason used local weight management programme in last 12 months: Maintain/improve health	Indiv
WM12_4_St4	Reason used local weight management programme in last 12 months: Maintain/improve fitness	Indiv
WM12_4_St5	Reason used local weight management programme in last 12 months: For a specific occasion	Indiv
WM12_4_St6	Reason used local weight management programme in last 12 months: To feel better about self	Indiv
WM12_4_St7	Reason used local weight management programme in last 12 months: Ease/practicality of tool/service	Indiv
WM12_4_St8	Reason used local weight management programme in last 12 months: Because it was free/cheap	Indiv
WM12_4_St9	Reason used local weight management programme in last 12 months: Family / friend recommendation	Indiv
WM12_4_St10	Reason used local weight management programme in last 12 months: Other - social reasons	Indiv
WM12_4_St95	Reason used local weight management programme in last 12 months: Other	Indiv
WM12_4_Stp1	Reason stopped using local weight management programme in last 12 months: Reached goal	Indiv
WM12_4_Stp2	Reason stopped using local weight management programme in last 12 months: Lost motivation	Indiv
WM12_4_Stp3	Reason stopped using local weight management programme in last 12 months: Financial reasons	Indiv
WM12_4_Stp4	Reason stopped using local weight management programme in last 12 months: Wasn't using it	Indiv
WM12_4_Stp5	Reason stopped using local weight management programme in last 12 months: Difficulty finding time	Indiv
WM12_4_Stp6	Reason stopped using local weight management programme in last 12 months: Didn't work/wasn't helping	Indiv
WM12_4_Stp7	Reason stopped using local weight management programme in last 12 months: Programme stopped/funding ran out	Indiv
WM12_4_Stp8	Reason stopped using local weight management programme in last 12 months: Change in circumstances	Indiv

WM12_4_Stp95	Reason stopped using local weight management programme in last 12 months: Other	Indiv
WM12_4_Pay	Whether paid any money to use local weight management programme	Indiv
WM12_4_PayO1	Whether organisation paid towards use of local weight management programme : Local authority	Indiv
WM12_4_PayO2	Whether organisation paid towards use of local weight management programme : NHS	Indiv
WM12_4_PayO95	Whether organisation paid towards use of local weight management programme : Another person or organisation	Indiv
WM12_4_PayO96	Whether organisation paid towards use of local weight management programme : No one else paid towards use	Indiv
WM12_5_St1	Reason used NHS services (dietician/obesity nurse) in last 12 months: Lose weight	Indiv
WM12_5_St2	Reason used NHS services (dietician/obesity nurse) in last 12 months: Advised by GP/health professional	Indiv
WM12_5_St3	Reason used NHS services (dietician/obesity nurse) in last 12 months: Maintain/improve health	Indiv
WM12_5_St4	Reason used NHS services (dietician/obesity nurse) in last 12 months: Maintain/improve fitness	Indiv
WM12_5_St5	Reason used NHS services (dietician/obesity nurse) in last 12 months: For a specific occasion	Indiv
WM12_5_St6	Reason used NHS services (dietician/obesity nurse) in last 12 months: To feel better about self	Indiv
WM12_5_St7	Reason used NHS services (dietician/obesity nurse) in last 12 months: Ease/practicality of tool/service	Indiv
WM12_5_St8	Reason used NHS services (dietician/obesity nurse) in last 12 months: Because it was free/cheap	Indiv
WM12_5_St9	Reason used NHS services (dietician/obesity nurse) in last 12 months: Family / friend recommendation	Indiv
WM12_5_St10	Reason used NHS services (dietician/obesity nurse) in last 12 months: Other - social reasons	Indiv
WM12_5_St95	Reason used NHS services (dietician/obesity nurse) in last 12 months: Other	Indiv
WM12_5_Stp1	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Reached goal	Indiv
WM12_5_Stp2	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Lost motivation	Indiv
WM12_5_Stp3	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Financial reasons	Indiv
WM12_5_Stp4	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Wasn't using it	Indiv
WM12_5_Stp5	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Difficulty finding time	Indiv
WM12_5_Stp6	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Didn't work/wasn't helping	Indiv
WM12_5_Stp7	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Programme stopped/funding ran out	Indiv
WM12_5_Stp8	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Change in circumstances	Indiv
WM12_5_Stp95	Reason stopped using NHS services (dietician/obesity nurse) in last 12 months: Other	Indiv
WM12_5_Pay	Whether paid any money to use NHS services (dietician/obesity nurse)	Indiv
WM12_5_PayO1	Whether organisation paid towards use of NHS services (dietician/obesity nurse): Local authority	Indiv
WM12_5_PayO2	Whether organisation paid towards use of NHS services (dietician/obesity nurse): NHS	Indiv
WM12_5_PayO95	Whether organisation paid towards use of NHS services (dietician/obesity nurse) : Another person or organisation	Indiv
WM12_5_PayO96	Whether organisation paid towards use of NHS services (dietician/obesity nurse) : No one else paid towards use	Indiv
WM12_6_St1	Reason used gym or other exercise in last 12 months: Lose weight	Indiv
WM12_6_St2	Reason used gym or other exercise in last 12 months: Advised by GP/health professional	Indiv
WM12_6_St3	Reason used gym or other exercise in last 12 months: Maintain/improve health	Indiv
WM12_6_St4	Reason used gym or other exercise in last 12 months: Maintain/improve fitness	Indiv
WM12_6_St5	Reason used gym or other exercise in last 12 months: For a specific occasion	Indiv
WM12_6_St6	Reason used gym or other exercise in last 12 months: To feel better about self	Indiv
WM12_6_St7	Reason used gym or other exercise in last 12 months: Ease/practicality of tool/service	Indiv
WM12_6_St8	Reason used gym or other exercise in last 12 months: Because it was free/cheap	Indiv
WM12_6_St9	Reason used gym or other exercise in last 12 months: Family / friend recommendation	Indiv
WM12_6_St10	Reason used gym or other exercise in last 12 months: Other - social reasons	Indiv

WM12_6_St95	Reason used gym or other exercise in last 12 months: Other	Indiv
WM12_6_Stp1	Reason stopped using gym or other exercise in last 12 months: Reached goal	Indiv
WM12_6_Stp2	Reason stopped using gym or other exercise in last 12 months: Lost motivation	Indiv
WM12_6_Stp3	Reason stopped using gym or other exercise in last 12 months: Financial reasons	Indiv
WM12_6_Stp4	Reason stopped using gym or other exercise in last 12 months: Wasn't using it	Indiv
WM12_6_Stp5	Reason stopped using gym or other exercise in last 12 months: Difficulty finding time	Indiv
WM12_6_Stp6	Reason stopped using gym or other exercise in last 12 months: Didn't work/wasn't helping	Indiv
WM12_6_Stp7	Reason stopped using gym or other exercise in last 12 months: Programme stopped/funding ran out	Indiv
WM12_6_Stp8	Reason stopped using gym or other exercise in last 12 months: Change in circumstances	Indiv
WM12_6_Stp95	Reason stopped using gym or other exercise in last 12 months: Other	Indiv
WM12_6_Pay	Whether paid any money to use gym or other exercise	Indiv
WM12_6_PayO1	Whether organisation paid towards use of gym or other exercise: Local authority	Indiv
WM12_6_PayO2	Whether organisation paid towards use of gym or other exercise: NHS	Indiv
WM12_6_PayO95	Whether organisation paid towards use of gym or other exercise : Another person or organisation	Indiv
WM12_6_PayO96	Whether organisation paid towards use of gym or other exercise : No one else paid towards use	Indiv
WM12_7_St1	Reason used other tool/service in last 12 months: Lose weight	Indiv
WM12_7_St2	Reason used other tool/service in last 12 months: Advised by GP/health professional	Indiv
WM12_7_St3	Reason used other tool/service in last 12 months: Maintain/improve health	Indiv
WM12_7_St4	Reason used other tool/service in last 12 months: Maintain/improve fitness	Indiv
WM12_7_St5	Reason used other tool/service in last 12 months: For a specific occasion	Indiv
WM12_7_St6	Reason used other tool/service in last 12 months: To feel better about self	Indiv
WM12_7_St7	Reason used other tool/service in last 12 months: Ease/practicality of tool/service	Indiv
WM12_7_St8	Reason used other tool/service in last 12 months: Because it was free/cheap	Indiv
WM12_7_St9	Reason used other tool/service in last 12 months: Family / friend recommendation	Indiv
WM12_7_St10	Reason used other tool/service in last 12 months: Other	Indiv
WM12_7_St95	Reason used other tool/service in last 12 months: Other specified [string]	Indiv
WM12_7_Stp1	Reason stopped using other tool/service in last 12 months: Reached goal	Indiv
WM12_7_Stp2	Reason stopped using other tool/service in last 12 months: Lost motivation	Indiv
WM12_7_Stp3	Reason stopped using other tool/service in last 12 months: Financial reasons	Indiv
WM12_7_Stp4	Reason stopped using other tool/service in last 12 months: Wasn't using it	Indiv
WM12_7_Stp5	Reason stopped using other tool/service in last 12 months: Difficulty finding time	Indiv
WM12_7_Stp6	Reason stopped using other tool/service in last 12 months: Didn't work/wasn't helping	Indiv
WM12_7_Stp7	Reason stopped using other tool/service in last 12 months: Programme stopped/funding ran out	Indiv
WM12_7_Stp8	Reason stopped using other tool/service in last 12 months: Change in circumstances	Indiv
WM12_7_Stp95	Reason stopped using other tool/service in last 12 months: Other	Indiv
WM12_7_Pay	Whether paid any money to use other tool/service	Indiv
WM12_7_PayO1	Whether organisation paid towards use of other tool/service: Local authority	Indiv
WM12_7_PayO2	Whether organisation paid towards use of other tool/service: NHS	Indiv
WM12_7_PayO95	Whether organisation paid towards use of other tool/service : Another person or organisation	Indiv
WM12_7_PayO96	Whether organisation paid towards use of other tool/service : No one else paid towards use	Indiv
WM12StGL	(D) Stopped using weight management tool/service in last 12 months because reached goal	Derived
WM12StLst	(D) Stopped using weight management tool/service in last 12 months because lost motivation/couldn't be bothered	Derived
WM12StFin	(D) Stopped using weight management tool/service in last 12 months for financial reasons	Derived
WM12StOff	(D) Stopped using weight management tool/service in last 12 months because wasn't using it	Derived
WM12StTm	(D) Stopped using weight management tool/service in last 12 months because difficulty finding time/fitting it in	Derived
WM12StUS	(D) Stopped using weight management tool/service in last 12 months because it didn't work for me/wasn't helping	Derived
WM12StEnd	(D) Stopped using weight management tool/service in last 12 months because the programme stopped/funding ran out	Derived
WM12StCir	(D) Stopped using weight management tool/service in last 12 months due to change in circumstances	Derived
WM12StOth	(D) Stopped using weight management tool/service in last 12 months for other reasons	Derived

Weight management tools/ services in the next 12 months

Variable	Description	Source
WMNxt1	Whether planning to use weight management tool/service in the next 12 months: Website or mobile phone app	Indiv
WMNxt2	Whether planning to use weight management tool/service in the next 12 months: Activity tracker/fitness monitor	Indiv
WMNxt3	Whether planning to use weight management tool/service in the next 12 months: Dieting club	Indiv
WMNxt4	Whether planning to use weight management tool/service in the next 12 months: Local weight management programme	Indiv
WMNxt5	Whether planning to use weight management tool/service in the next 12 months: NHS services (dietician/obesity nurse)	Indiv
WMNxt6	Whether planning to use weight management tool/service in the next 12 months: Gym or other exercise	Indiv
WMNxt7	Whether planning to use weight management tool/service in the next 12 months: Other - diet/healthy eating	Indiv
WMNxt8	Whether planning to use weight management tool/service in the next 12 months: Other - tablets	Indiv
WMNxt9	Whether planning to use weight management tool/service in the next 12 months: Other - personal changes	Indiv
WMNxt95	Whether planning to use weight management tool/service in the next 12 months: Another tool or service	Indiv
WMNxt96	Whether planning to use weight management tool/service in the next 12 months: None of these	Indiv
WM_1_WMNxY1	Reason planning to use website or mobile phone app in next 12 months: Lose weight	Indiv
WM_1_WMNxY2	Reason planning to use website or mobile phone app in next 12 months: Advised by GP/health professional	Indiv
WM_1_WMNxY3	Reason planning to use website or mobile phone app in next 12 months: Maintain/improve health	Indiv
WM_1_WMNxY4	Reason planning to use website or mobile phone app in next 12 months: Maintain/improve fitness	Indiv
WM_1_WMNxY5	Reason planning to use website or mobile phone app in next 12 months: For a specific occasion	Indiv
WM_1_WMNxY6	Reason planning to use website or mobile phone app in next 12 months: To feel better about self	Indiv
WM_1_WMNxY7	Reason planning to use website or mobile phone app in next 12 months: Ease/practicality of tool/service	Indiv
WM_1_WMNxY8	Reason planning to use website or mobile phone app in next 12 months: Because it was free/cheap	Indiv
WM_1_WMNxY9	Reason planning to use website or mobile phone app in next 12 months: Family / friend recommendation	Indiv
WM_1_WMNxY10	Reason planning to use website or mobile phone app in next 12 months: Other - social reasons	Indiv
WM_1_WMNxY95	Reason planning to use website or mobile phone app in next 12 months: Other	Indiv
WM_2_WMNxY1	Reason planning to use activity tracker/fitness monitor in next 12 months: Lose weight	Indiv
WM_2_WMNxY2	Reason planning to use activity tracker/fitness monitor in next 12 months: Advised by GP/health professional	Indiv
WM_2_WMNxY3	Reason planning to use activity tracker/fitness monitor in next 12 months: Maintain/improve health	Indiv
WM_2_WMNxY4	Reason planning to use activity tracker/fitness monitor in next 12 months: Maintain/improve fitness	Indiv
WM_2_WMNxY5	Reason planning to use activity tracker/fitness monitor in next 12 months: For a specific occasion	Indiv
WM_2_WMNxY6	Reason planning to use activity tracker/fitness monitor in next 12 months: To feel better about self	Indiv
WM_2_WMNxY7	Reason planning to use activity tracker/fitness monitor in next 12 months: Ease/practicality of tool/service	Indiv
WM_2_WMNxY8	Reason planning to use activity tracker/fitness monitor in next 12 months: Because it was free/cheap	Indiv
WM_2_WMNxY9	Reason planning to use activity tracker/fitness monitor in next 12 months: Family / friend recommendation	Indiv
WM_2_WMNxY10	Reason planning to use activity tracker/fitness monitor in next 12 months: Other - social reasons	Indiv
WM_2_WMNxY95	Reason planning to use activity tracker/fitness monitor in next 12 months: Other	Indiv
WM_3_WMNxY1	Reason planning to use dieting club in next 12 months: Lose weight	Indiv
WM_3_WMNxY2	Reason planning to use dieting club in next 12 months: Advised by GP/health professional	Indiv
WM_3_WMNxY3	Reason planning to use dieting club in next 12 months: Maintain/improve health	Indiv

WM_3_WMNxY4	Reason planning to use dieting club in next 12 months: Maintain/improve fitness	Indiv
WM_3_WMNxY5	Reason planning to use dieting club in next 12 months: For a specific occasion	Indiv
WM_3_WMNxY6	Reason planning to use dieting club in next 12 months: To feel better about self	Indiv
WM_3_WMNxY7	Reason planning to use dieting club in next 12 months: Ease/practicality of tool/service	Indiv
WM_3_WMNxY8	Reason planning to use dieting club in next 12 months: Because it was free/cheap	Indiv
WM_3_WMNxY9	Reason planning to use dieting club in next 12 months: Family / friend recommendation	Indiv
WM_3_WMNxY10	Reason planning to use dieting club in next 12 months: Other - social reasons	Indiv
WM_3_WMNxY95	Reason planning to use dieting club in next 12 months: Other	Indiv
WM_4_WMNxY1	Reason planning to use local weight management programme in next 12 months: Lose weight	Indiv
WM_4_WMNxY2	Reason planning to use local weight management programme in next 12 months: Advised by GP/health professional	Indiv
WM_4_WMNxY3	Reason planning to use local weight management programme in next 12 months: Maintain/improve health	Indiv
WM_4_WMNxY4	Reason planning to use local weight management programme in next 12 months: Maintain/improve fitness	Indiv
WM_4_WMNxY5	Reason planning to use local weight management programme in next 12 months: For a specific occasion	Indiv
WM_4_WMNxY6	Reason planning to use local weight management programme in next 12 months: To feel better about self	Indiv
WM_4_WMNxY7	Reason planning to use local weight management programme in next 12 months: Ease/practicality of tool/service	Indiv
WM_4_WMNxY8	Reason planning to use local weight management programme in next 12 months: Because it was free/cheap	Indiv
WM_4_WMNxY9	Reason planning to use local weight management programme in next 12 months: Family / friend recommendation	Indiv
WM_4_WMNxY10	Reason planning to use local weight management programme in next 12 months: Other - social reasons	Indiv
WM_4_WMNxY95	Reason planning to use local weight management programme in next 12 months: Other	Indiv
WM_5_WMNxY1	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Lose weight	Indiv
WM_5_WMNxY2	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Advised by GP/health professional	Indiv
WM_5_WMNxY3	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Maintain/improve health	Indiv
WM_5_WMNxY4	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Maintain/improve fitness	Indiv
WM_5_WMNxY5	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: For a specific occasion	Indiv
WM_5_WMNxY6	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: To feel better about self	Indiv
WM_5_WMNxY7	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Ease/practicality of tool/service	Indiv
WM_5_WMNxY8	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Because it was free/cheap	Indiv
WM_5_WMNxY9	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Family / friend recommendation	Indiv
WM_5_WMNxY10	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Other - social reasons	Indiv
WM_5_WMNxY95	Reason planning to use NHS services (dietician/obesity nurse) in next 12 months: Other	Indiv
WM_6_WMNxY1	Reason planning to use gym or other exercise in next 12 months: Lose weight	Indiv
WM_6_WMNxY2	Reason planning to use gym or other exercise in next 12 months: Advised by GP/health professional	Indiv
WM_6_WMNxY3	Reason planning to use gym or other exercise in next 12 months: Maintain/improve health	Indiv
WM_6_WMNxY4	Reason planning to use gym or other exercise in next 12 months: Maintain/improve fitness	Indiv
WM_6_WMNxY5	Reason planning to use gym or other exercise in next 12 months: For a specific occasion	Indiv
WM_6_WMNxY6	Reason planning to use gym or other exercise in next 12 months: To feel better about self	Indiv
WM_6_WMNxY7	Reason planning to use gym or other exercise in next 12 months: Ease/practicality of tool/service	Indiv
WM_6_WMNxY8	Reason planning to use gym or other exercise in next 12 months: Because it was free/cheap	Indiv

WM_6_WMNxY9	Reason planning to use gym or other exercise in next 12 months: Family / friend recommendation	Indiv
WM_6_WMNxY10	Reason planning to use gym or other exercise in next 12 months: Other - social reasons	Indiv
WM_6_WMNxY95	Reason planning to use gym or other exercise in next 12 months: Other	Indiv
WM_7_WMNxY1	Reason planning to use other tool/service in next 12 months: Lose weight	Indiv
WM_7_WMNxY2	Reason planning to use other tool/service in next 12 months: Advised by GP/health professional	Indiv
WM_7_WMNxY3	Reason planning to use other tool/service in next 12 months: Maintain/improve health	Indiv
WM_7_WMNxY4	Reason planning to use other tool/service in next 12 months: Maintain/improve fitness	Indiv
WM_7_WMNxY5	Reason planning to use other tool/service in next 12 months: For a specific occasion	Indiv
WM_7_WMNxY6	Reason planning to use other tool/service in next 12 months: To feel better about self	Indiv
WM_7_WMNxY7	Reason planning to use other tool/service in next 12 months: Ease/practicality of tool/service	Indiv
WM_7_WMNxY8	Reason planning to use other tool/service in next 12 months: Because it was free/cheap	Indiv
WM_7_WMNxY9	Reason planning to use other tool/service in next 12 months: Family / friend recommendation	Indiv
WM_7_WMNxY10	Reason planning to use other tool/service in next 12 months: Other - social reasons	Indiv
WM_7_WMNxY95	Reason planning to use other tool/service in next 12 months: Other	Indiv

Weight management surgery

Variable	Description	Source
WMSur	Ever had surgery to manage or change weight (such as a gastric band, gastric bypass or gastric balloon)	Indiv
WMSurWn	When was surgery to manage or change weight	Indiv
WMSurPay	Whether surgery was done privately or on the NHS	Indiv

Kidney and Liver Disease

Kidney and liver disease

Variable	Description	Source
EvKid	Ever been told by a doctor or health professional that you are at risk of kidney disease	Indiv
EvCKD	Ever been told by a doctor that you had chronic kidney disease	Indiv
TestKD	Ever been told you were being tested for kidney disease	Indiv
EvLiv	Ever been told by a doctor or health professional that you are at risk of liver disease	Indiv
EvCLD	Ever been told by a doctor that you had chronic liver disease	Indiv
TestLD	Ever been told you were being tested for liver disease	Indiv
SCReGFR	eGFR - serum creatinine	Derived
SCReGFRQ	eGFR - serum creatinine quality	Derived
CYSTCeGFR	eGFR - cystatin-C	Derived
CYSTCeGFRQ	eGFR - cystatin-C quality	Derived
eGFRgp16	(D) eGFR (based on serum creatinine) in 4 categories	Derived
eGFRgp16g	(D) eGFR (based on serum creatinine) in 3 categories	Derived
albcre16S	(D) Urinary albumin excretion grouped	Derived
KidFail16S	(D) Chronic disease stage	Derived
KidFa16gS	(D) Chronic disease stage (grouped)	Derived
creokb	(D) Response to Creatinine sample	Derived
creval	(D) Valid Creatinine Result	Derived
Albgrp16	(D) Urinary albumin excretion grouped: not sex-specific (new NICE)	Derived
KidFai16	(D) Chronic disease stage - using non sex-specific Albuminuria	Derived
KidFa16g	(D) Chronic disease stage (grouped) - using non sex-specific Albuminuria	Derived

eGFRgpcysC	(D) eGFR (based on cystatin c) in 4 categories	Derived
ckdstage	(D) CKD Stage using eGFRcreat AND eGFRcysC, (NICE)	Derived
CKDstagev2	(D) CKD Stage using eGFRcreat AND eGFRcysC, (NICE), 4 groups	Derived
ASTgp	(D) AST>1.5 x upper limit of normal	Derived

NHS health check

NHSChk	Whether had an NHS health check	Indiv
NHSCond1	Whether Dr or health professional talked about condition during NHS health check: Heart disease	Indiv
NHSCond2	Whether Dr or health professional talked about condition during NHS health check: Stroke	Indiv
NHSCond3	Whether Dr or health professional talked about condition during NHS health check: Kidney disease	Indiv
NHSCond4	Whether Dr or health professional talked about condition during NHS health check: Diabetes	Indiv
NHSCond5	Whether Dr or health professional talked about condition during NHS health check: Dementia	Indiv
NHSCond6	Whether Dr or health professional talked about condition during NHS health check: Liver disease	Indiv
NHSCond7	Whether Dr or health professional talked about condition during NHS health check: Cancer	Indiv
NHSCond8	Whether Dr or health professional talked about condition during NHS health check: Other - Cholesterol	Indiv
NHSCond13	Whether Dr or health professional talked about condition during NHS health check: Other - (Specify)	Derived
NHSCond96	Whether Dr or health professional talked about condition during NHS health check: None of the above	Indiv
NHSAdv1	Whether Dr or health professional advised respondent during NHS health check: Reducing alcohol intake	Indiv
NHSAdv2	Whether Dr or health professional advised respondent during NHS health check: Stopping smoking	Indiv
NHSAdv3	Whether Dr or health professional advised respondent during NHS health check: Doing more exercise	Indiv
NHSAdv4	Whether Dr or health professional advised respondent during NHS health check: Improving diet	Indiv
NHSAdv5	Whether Dr or health professional advised respondent during NHS health check: Losing weight	Indiv
NHSAdv6	Whether Dr or health professional advised respondent during NHS health check: None of the above	Indiv
NHSRef	Whether respondent was referred somewhere else for further advice	Indiv

Adult Physical Activity

Adult Work

Variable	Description	Source
WORK	Whether did any paid or unpaid work in the last four weeks	Indiv
WRKDAYS	Number of days worked in last four weeks	Indiv
WRKACT2CX1	Activities whilst working: Sitting down or standing up	Indiv
WRKACT2CX2	Activities whilst working: Walking at work (e.g. door to door sales, hospital nurse work)	Indiv
WRKACT2CX3	Activities whilst working: Climbing stairs or ladders	Indiv
WRKACT2CX4	Activities whilst working: Lifting, carrying or moving heavy loads	Indiv
WRKACT3H	Average work day time in last four weeks spent sitting down or standing up (hours)	Indiv
WRKACT3M	Average work day time in last four weeks spent sitting down or standing up (mins)	Indiv
WRKACT4H	Average work day time in last four weeks spent walking at work (hours)	Indiv
WRKACT4M	Average work day time in last four weeks spent walking at work (mins)	Indiv
WRKACT5H	Average work day time in last four weeks spent climbing stairs (hours)	Indiv
WRKACT5M	Average work day time in last four weeks spent climbing stairs (mins)	Indiv
WRKACT6H	Average work day time in last four weeks spent lifting, carrying or moving heavy loads (hours)	Indiv
WRKACT6M	Average work day time in last four weeks spent lifting, carrying or moving heavy loads (mins)	Indiv
WRKCLIEV	How often climb stairs or ladders at work	Indiv
WRKCLID	Number of days in last four weeks climbed stairs or ladders at work	Indiv
WRKLFTEV	How often lifted/carried/moved heavy loads at work	Indiv
WRKLFTD	Number of days in last four weeks lifted/carried/moved heavy loads at work	Indiv
ACTIVE	Thinking about your job in general would you say that you are …	Indiv
ACTIVE2	(D) Self-rated activity at work (grouped)	Derived
WKACTSIT	(D) Total time spent sitting at work/day (mins)	Derived
WKACTSIT2	(D) Total time spent sitting at work/day (grouped)	Derived
WKSITHRS	(D) Total time spent sitting at work/day (hours)	Derived
WKACTWLK	(D) Total time spent walking at work/day (mins)	Derived
WKACTWLK2	(D) Total time spent walking at work/day (grouped)	Derived
WKWLKHRS	(D) Total time spent walking at work/day (hours)	Derived
WKCLBHRS	(D) Total time spent climbing at work/day (hours)	
WKACTCLB	(D) Total time spent climbing at work/day (mins)	Derived
WKACTCLBA	(D) Average time (mins) spent climbing at work/day incl new Qns but no SOC codes	Derived
WKLFTHRS	(D) Total time spent lifting at work/day (hours)	Derived
WKACTLFT	(D) Total time spent lifting at work/day (mins)	Derived
WKACTLFTA	(D) Average time (mins) spent lifting heavy loads at work/day incl new Qns but no SOC codes	Derived
WKACTTOT	(D) Total time spent sitting/walking/climbing/lifting at work/day (hours)	Derived
WKACTTOTG	(D) Total time spent sitting/walking/climbing/lifting at work/day (hours - grouped)	Derived
WKACTCLB2	(D) Average time (mins) spent climbing at work/day incl new Qns - grouped	Derived
WKACTLFT2	(D) Average time (mins) spent lifting at work/day - grouped	Derived
WORKACT	(D) Job activity level (old version)	Derived
WORKACTG	(D) Job activity level (old version - grouped)	Derived
AD10WRK08	(D) Occasions/4 week 10+min work activity	Derived
AD10WRK082	(D) Occasions/4 week 10+min work activity (grouped)	Derived
AD10TOT08WK	(D) Occasions/4 week 10+min any activities - including occupational activity	Derived
AD10TOT08WK2	(D) Occasions/4 week 10+min any activities - including occupational activity (grouped)	Derived
WRK10ANY	(D) Work activity - any (10+min) or none	Derived
HRS10WRK	(D) Average hours doing work activity of 10 mins+ per week	Derived
HRS10WRKG	(D) Average hours doing work activity of 10 mins+ per week (grouped)	Derived
HRS10WRK08	(D) Average hours doing work activity of 10 mins+ per week (incl new work Qns	Derived
HRS10WRK08G	hrs10wrk08g '(D) Average hours doing work activity of 10 mins+ per week (incl new work Qns - grouped)	Derived
HRS10WRK12	(D) Hours doing work activity of 10 mins+ per week - new Qns for 2012	Derived
MINS10WRK08	(D) Average minutes doing work activity of 10 mins+ per week'	Derived
MINS10WRK12	(D) Average minutes doing work activity of 10 mins+ per week - new Qns for 2012	Derived

Adult Housework/Gardening

Variable	Description	Source
HOUSEWRK	Whether did any housework in last four weeks	Indiv
HWRKLIST	Type of housework	Indiv
HEVYHWRK	Any heavy housework	Indiv
HEAVYDAY	Number of days did heavy housework in the last four weeks	Indiv
HWTIM	(D) How much total time did you spend doing heavy housework on each day (mins)	Derived
AD10HWK	(D) Days/4 week 10+min heavy housework	Derived
AD10HWK2	(D) Days/4 week 10+min heavy housework (grouped)	Derived
HWK10ANY	(D) Housework - any (10+min) or none	Derived
HRS10HWK	(D) Average hours doing heavy housework per week (>=10mins)	Derived
HRS10HWKG	(D) Average hours doing heavy housework per week (>=10mins) (grouped)	Derived
MINS10HWK	(D) Average minutes doing heavy housework per week (>=10mins)	Derived
MINS10HWKG	(D) Average minutes doing heavy housework per week (>=10mins) (grouped)	Derived
A30HS06	(D) Number of days heavy housework 30 mins+'	Derived
GARDEN	Whether did any gardening, DIY or building work in last four weeks	Indiv
GARDLIST	Type of gardening, DIY or building work	Indiv
MANWORK	Type of manual work	Indiv
MANDAYS	In last 4 weeks, how many days did you do heavy manual gardening/DIY?	Indiv
DIYTIM	(D) How much total time did you spend doing heavy manual gardening/DIY on each day (mins)	Derived
AD10MAN	(D) Days/4 week 10+min heavy manual/DIY	Derived
AD10MAN2	(D) Days/4 week 10+min heavy manual/DIY (grouped)	Derived
MAN10ANY	(D) Heavy manual - any (10+min) or none	Derived
HRS10MAN	(D) Average hours doing heavy manual per week (>=10mins)	Derived
HRS10MANG	(D) Average hours doing heavy manual per week (>=10mins) (grouped)	Derived
MINS10MAN	(D) Average minutes doing heavy manual per week (>=10mins)	Derived
MINS10MANG	(D) Average minutes doing heavy manual per week (>=10mins) (grouped)	Derived
A30MA06	(D) Number of days heavy manual 30 mins+	Derived

Adult Walking

Variable	Description	Source
WLK5IT	In last 4 weeks, have you done a continuous walk lasting atleast 5mins?	Indiv
WLK10M	In last 4 weeks, have you done a continuous walk lasting atleast 10mins?	Indiv
DAYWLK	In last 4 weeks, how many days did you do a continuous walk lasting atleast 10mins?	Indiv
DAY1WLK	Did you do more than one walk lasting at least 10mins on at least one day?	Indiv
DAY2WLK	In the last 4 weeks how many days did you do more than one walk lasting atleast 10mins?	Indiv
TOTTIM	(D) How much total time do you usually spend walking on each occasion (mins)?	Derived
AD10WLK	(D) Days/4 week 10+min brisk walk	Derived
AD10WLK2	(D) Days/4 week 10+min brisk walk (grouped)	Derived
WLK10ANY	(D) Walking - any (10+min) or none	Derived
WALK10NO	(D) Number of brisk/fast walks of 10 mins+ in last 4 weeks	Derived
HRS10WLKA	(D) Average hours walking of 10 mins+ per week brisk or fast	Derived
HRS10WLKG	(D) Average hours walking of 10 mins+ per week brisk or fast (grouped)	Derived
MINS10WLKA	(D) Average minutes walking of 10 mins+ per week brisk or fast	Derived
MINS10WLKG	(D) Average minutes walking of 10 mins+ per week brisk or fast (grouped)	Derived
A30WK06	(D) Number of days walking 30 mins+ fast or brisk	Derived
WLK30MIN	In last 4 weeks, how many days have you walked for atleast 30mins?	Indiv
WALKPACE	Usual walking pace	Indiv
WALK65	Whether breathed faster, felt warmer or sweated during the effort of walking for 10 mins or more in last four weeks	Indiv
AD10WLK65	(D) Days/4 week 10+min brisk walk incl Qn for 65+	Derived
AD10WLK652	(D) Days/4 week 10+min brisk walk incl Qn for 65+ (grouped)	Derived
WALK10NO65	(D) Number of brisk/fast walks of 10 mins+ in last 4 weeks incl Qn for 65+	Derived
MINS10WLK65	(D) Average minutes walking of 10 mins+ per week brisk or fast - incl new Qn for 65+ (grouped)	Derived
MINS10WLK65G	(D) Average minutes walking of 10 mins+ per week brisk or fast - incl new Qn for 65+ (grouped)	Derived

Adult Sport

Variable	Description	Source
ACTPHY	Whether did any exercise activities in last four weeks	Indiv
WHTACTCX1	Exercise activities in last four weeks: Swimming	Indiv
WHTACTCX2	Exercise activities in last four weeks: Cycling	Indiv
WHTACTCX3	Exercise activities in last four weeks: Workout at a gym/Exercise bike/ Weight training	Indiv
WHTACTCX4	Exercise activities in last four weeks: Aerobics/Keep fit/Gymnastics/ Dance for fitness	Indiv
WHTACTCX5	Exercise activities in last four weeks: Any other type of dancing	Indiv
WHTACTCX6	Exercise activities in last four weeks: Running/jogging	Indiv
WHTACTCX7	Exercise activities in last four weeks: Football/rugby	Indiv
WHTACTCX8	Exercise activities in last four weeks: Badminton/tennis	Indiv
WHTACTCX9	Exercise activities in last four weeks: Squash	Indiv
WHTACTCX10	Exercise activities in last four weeks: Exercises (eg press-ups, sit ups)	Indiv
DVSTRNG	Whether done any muscle strengthening exercise	Indiv
DVBALAN	Whether done any balance improving activity	Indiv
BOthAct_11_OActQ	Whether did any other sport or exercise	Indiv
BOthAct_11_COthAct	Which sport or exercise activities	Indiv
BOthAct_12_OActQ	Whether did any other sport or exercise	Indiv
BOthAct_12_COthAct	Which sport or exercise activities	Indiv
BOthAct_13_OActQ	Whether did any other sport or exercise	Indiv
BOthAct_13_COthAct	Which sport or exercise activities	Indiv
BOthAct_14_OActQ	Whether did any other sport or exercise	Indiv
ACT11	(D) Other sports intensity	Derived
ACT12	(D) Other sports intensity	Derived
ACT13	(D) Other sports intensity	Derived
AD10SPT	(D) Occasions/4 week 10+min sport	Derived
AD10SPT2	(D) Occasions/4 week 10+min sport (grouped)	Derived
SPT10ANY	(D) Sports - any (10+min) or none	Derived
HRS10SPT	(D) Average hours doing sports of 10 mins+ per week	Derived
HRS10SPTG	(D) Average hours doing sports of 10 mins+ per week (grouped)	Derived
MINS10SPTB	(D) Average minutes doing sports of 10 mins+ per week (vig mins*1)	Derived
MINS10SPTBG	(D) Average minutes doing sports of 10 mins+ per week (vig mins*1) (grouped)	Derived
MINS10SPTA	(D) Average minutes doing MVPA sport of 10 mins+ per week (vig mins * 2)'	Derived
AD30SPT	(D) Occasions/4 week 30+ min sport	Derived
DAYEXC01	In last 4 weeks, how many days did you swim?	Indiv
DAYEXC02	In last 4 weeks, how many days did you cycle?	Indiv
DAYEXC03	In last 4 weeks, how many days did you work out?	Indiv
DAYEXC04	In last 4 weeks, how many days did you do aerobics?	Indiv
DAYEXC05	In last 4 weeks, how many days did you do other dancing?	Indiv
DAYEXC06	In last 4 weeks, how many days did you run/jog?	Indiv
DAYEXC07	In last 4 weeks, how many days did you play rugby/football?	Indiv
DAYEXC08	In last 4 weeks, how many days did you play badminton/tennis?	Indiv
DAYEXC09	In last 4 weeks, how many days did you play squash?	Indiv
DAYEXC10	In last 4 weeks, how many days did you do exercises?	Indiv
DAYEXC11	In last 4 weeks, how many days did you first other activity?	Indiv
DAYEXC12	In last 4 weeks, how many days did you do second other activity?	Indiv
DAYEXC13	In last 4 weeks, how many days did you do third other activity?	Indiv
EXCTIM01	(D) How much total time did you spend swimming on each day (mins)?	Derived
EXCTIM02	(D) How much total time did you spend cycling on each day (mins)?	Derived
EXCTIM03	(D) How much total time did you spend working out/exercise bike/weight training on each day (mins)?	Derived
EXCTIM04	(D) How much total time did you spend doing aerobics/keep fit/gymnastics/dance for fitness on each day (mins)?	Derived
EXCTIM05	(D) How much total time did you spend other dancing on each day (mins)?	Derived
EXCTIM06	(D) How much total time did you spend running/jogging on each day (mins)?	Derived
EXCTIM07	(D) How much total time did you spend playing football/rugby on each day (mins)?	Derived
EXCTIM08	(D) How much total time did you spend playing badminton/tennis on each day (mins)?	Derived
EXCTIM09	(D) How much total time did you spend playing squash on each day (mins)?	Derived
EXCTIM10	(D) How much total time did you spend doing exercises (eg press ups) on each day (mins)?	Derived
EXCTIM11	(D) How much total time did you spend doing first other activity on each day (mins)?	Derived

	(D) How much total time did you spend doing second other activity on each day (mins)?	Derived
EXCTIM12		
EXCTIM13	(D) How much total time did you spend doing third other activity on each day (mins)?	Derived
EXCSWT01	Did swimming make you out of breath or sweaty? Y/N	Indiv
EXCSWT02	Did cycling make you out of breath or sweaty? Y/N	Indiv
EXCSWT03	Did working out make you out of breath or sweaty? Y/N	Indiv
EXCSWT04	Did aerobics make you out of breath or sweaty? Y/N	Indiv
EXCSWT05	Did dancing make you out of breath or sweaty? Y/N	Indiv
EXCSWT06	Did running make you out of breath or sweaty? Y/N	Indiv
EXCSWT07	Did rugby/football make you out of breath or sweaty? Y/N	Indiv
EXCSWT08	Did tennis make you out of breath or sweaty? Y/N	Indiv
EXCSWT09	Did squash make you out of breath or sweaty? Y/N	Indiv
EXCSWT10	Did doing exercises make you out of breath or sweaty? Y/N	Indiv
EXCSWT11	Did first other activity make you out of breath or sweaty? Y/N	Indiv
EXCSWT12	Did second other activity make you out of breath or sweaty? Y/N	Indiv
EXCSWT13	Did third other activity make you out of breath or sweaty? Y/N	Indiv
SWIM	Was your swimming social or laps?	Indiv

Adult Working Out

Variable	Description	Source
WORKOUTCX1	In your workout did you do weights? Y/N	Indiv
WORKOUTCX2	In your workout did you do exercise bike? Y/N	Indiv
WORKOUTCX3	In your workout did you do spinning classes? Y/N	Indiv
WORKOUTCX4	In your workout did you do step machine/rowing/cross trainer? Y/N	Indiv
WORKOUTCX5	In your workout did you do treadmill running? Y/N	Indiv
DAY2EXC1	In last 4 weeks, how many days did you do weights?	Indiv
DAY2EXC2	In last 4 weeks, how many days did you do exercise bike?	Indiv
DAY2EXC3	In last 4 weeks, how many days did you do spinning classes?	Indiv
DAY2EXC4	In last 4 weeks, how many days did you do step machine/rowing/cross trainer?	Indiv
DAY2EXC5	In last 4 weeks, how many days did you do treadmill running?	Indiv
EXC2TIM1	(D) How much total time did you spend doing weights on each day (mins)?	Derived
EXC2TIM2	(D) How much total time did you spend doing exercise bike on each day (mins)?	Derived
EXC2TIM3	(D) How much total time did you spend doing spinning classes on each day (mins)?	Derived
EXC2TIM4	(D) How much total time did you spend doing step machine/rowing/cross trainer on each day (mins)?	Derived
EXC2TIM5	(D) How much total time did you spend doing treadmill running on each day (mins)?	Derived
EXC2SWT1	Did weights make you out of breath or sweaty? Y/N	Indiv
EXC2SWT2	Did exercise bike make you out of breath or sweaty? Y/N	Indiv
EXC2SWT3	Did spinning classes make you out of breath or sweaty? Y/N	Indiv
EXC2SWT4	Did step machine/rowing/cross trainer make you out of breath or sweaty? Y/N	Indiv
EXC2SWT5	Did treadmill running make you out of breath or sweaty? Y/N	Indiv

Adult Keep Fit

Variable	Description	Source
KEEPFITCX1	In your aerobics did you do Aerobics/keep fit classes? Y/N	Indiv
KEEPFITCX2	In your aerobics did you do Fitness dancing? Y/N	Indiv
KEEPFITCX3	In your aerobics did you do Aqua Aerobics classes? Y/N	Indiv
KEEPFITCX4	In your aerobics did you do Gymnastics? Y/N	Indiv
KEEPFITCX5	In your aerobics did you do Circuit training classes? Y/N	Indiv
DAY3EXC1	In last 4 weeks, how many days did you do Aerobics/keep fit classes?	Indiv
DAY3EXC2	In last 4 weeks, how many days did you do Fitness dancing?	Indiv
DAY3EXC3	In last 4 weeks, how many days did you do Aqua Aerobics classes?	Indiv
DAY3EXC4	In last 4 weeks, how many days did you do Gymnastics?	Indiv
DAY3EXC5	In last 4 weeks, how many days did you do Circuit training classes?	Indiv
EXC3TIM1	(D) How much total time did you spend doing Aerobics/keep fit classes on each day (mins)?	Derived
EXC3TIM2	(D) How much total time did you spend doing Fitness dancing on each day (mins)?	Derived
EXC3TIM3	(D) How much total time did you spend doing Aqua Aerobics classes on each day (mins)?	Derived
EXC3TIM4	(D) How much total time did you spend doing Gymnastics (mins)?	Derived
EXC3TIM5	(D) How much total time did you spend doing Circuit training classes (mins)?	Derived
EXC3SWT1	Did Aerobics/keep fit classes make you out of breath or sweaty? Y/N	Indiv
EXC3SWT2	Did Fitness dancing make you out of breath or sweaty? Y/N	Indiv

EXC3SWT3	Did Aqua Aerobics classes make you out of breath or sweaty? Y/N	Indiv
EXC3SWT4	Did Gymnastics make you out of breath or sweaty? Y/N	Indiv
EXC3SWT5	Did Circuit training classes make you out of breath or sweaty? Y/N	Indiv

Adult Physical Exertion

Variable	Description	Source
DVACT001	Whether has done activity: Cycling	Indiv
DVAct002	Whether has done activity: Exercise bike	Indiv
DVAct003	Whether has done activity: Swimming (continuous laps)	Indiv
DVAct004	Whether has done activity: Swimming (leisurely, splashing about, paddling in river/lake/pool)	Indiv
DVAct005	Whether has done activity: Running (including on a treadmill)	Indiv
DVAct006	Whether has done activity: Jogging (including on a treadmill)	Indiv
DVAct007	Whether has done activity: Weight training	Indiv
DVAct008	Whether has done activity: Rowing machine	Indiv
DVAct009	Whether has done activity: Stepping machine	Indiv
DVAct010	Whether has done activity: Home exercises (e.g. push-ups, press-ups, chin-ups, abdominals, back exercises)	Indiv
DVAct011	Whether has done activity: Floor exercise (e.g. push-ups, press-ups, chin-ups, abdominals, back exercises)	Indiv
DVAct012	Whether has done activity: Aerobics	Indiv
DVAct013	Whether has done activity: Step-aerobics	Indiv
DVAct014	Whether has done activity: Football (casual or training)	Indiv
DVAct015	Whether has done activity: Rugby (casual or training)	Indiv
DVAct016	Whether has done activity: Football (game)	Indiv
DVAct017	Whether has done activity: Rugby (game)	Indiv
DVAct018	Whether has done activity: Basketball (training)	Indiv
DVAct019	Whether has done activity: Handball (training)	Indiv
DVAct020	Whether has done activity: Netball (training)	Indiv
DVAct021	Whether has done activity: Basketball (game)	Indiv
DVAct022	Whether has done activity: Handball (game)	Indiv
DVAct023	Whether has done activity: Netball (game)	Indiv
DVAct024	Whether has done activity: Tennis	Indiv
DVAct025	Whether has done activity: Badminton	Indiv
DVAct026	Whether has done activity: Squash	Indiv
DVAct027	Whether has done activity: Cricket	Indiv
DVAct028	Whether has done activity: Dancing (including taking lessons or nightclub)	Indiv
DVAct029	Whether has done activity: Martial Arts	Indiv
DVAct030	Whether has done activity: Water skiing	Indiv
DVAct031	Whether has done activity: Downhill snow skiing	Indiv
DVAct032	Whether has done activity: Snowboarding	Indiv
DVAct033	Whether has done activity: Dry slope skiing	Indiv
DVAct034	Whether has done activity: Golf (not mini-gold, or golf using a power cart)	Indiv
DVAct035	Whether has done activity: Pilates	Indiv
DVAct036	Whether has done activity: Bowls (including outdoor, crown, green, Petanque)	Indiv
DVAct037	Whether has done activity: Horse Riding	Indiv
DVAct038	Whether has done activity: Abseiling	Indiv
DVAct039	Whether has done activity: Paraseiling	Indiv
DVAct040	Whether has done activity: Adventure playground	Indiv
DVAct041	Whether has done activity: Aqua aerobics	Indiv
DVAct042	Whether has done activity: American football	Indiv
DVAct043	Whether has done activity: Archery	Indiv
DVAct044	Whether has done activity: Assault course	Indiv
DVAct045	Whether has done activity: Back packing	Indiv
DVAct046	Whether has done activity: Baseball	Indiv
DVAct047	Whether has done activity: Softball	Indiv
DVAct048	Whether has done activity: Rounders	Indiv
DVAct049	Whether has done activity: Battle re-enactment	Indiv
DVAct050	Whether has done activity: Canoeing	Indiv
DVAct051	Whether has done activity: Circuit training	Indiv
DVAct052	Whether has done activity: Climbing	Indiv
DVAct053	Whether has done activity: Croquet	Indiv
DVAct054	Whether has done activity: Curling	Indiv
DVAct055	Whether has done activity: Darts	Indiv
DVAct056	Whether has done activity: Diving	Indiv
DVAct057	Whether has done activity: Dog training	Indiv

DVAct058	Whether has done activity: Drumming (in a group)	Indiv
DVAct059	Whether has done activity: Rambling	Indiv
DVAct060	Whether has done activity: Fell walking	Indiv
DVAct061	Whether has done activity: Cross country walking	Indiv
DVAct062	Whether has done activity: Fencing	Indiv
DVAct063	Whether has done activity: Field athletics	Indiv
DVAct064	Whether has done activity: Fishing	Indiv
DVAct065	Whether has done activity: Fly fishing	Indiv
DVAct066	Whether has done activity: Fives	Indiv
DVAct067	Whether has done activity: Gymnastics	Indiv
DVAct068	Whether has done activity: Hang gliding	Indiv
DVAct069	Whether has done activity: Parachuting	Indiv
DVAct070	Whether has done activity: Hitting punch sack	Indiv
DVAct071	Whether has done activity: Hockey	Indiv
DVAct072	Whether has done activity: Ice skating	Indiv
DVAct073	Whether has done activity: Ice dancing	Indiv
DVAct074	Whether has done activity: Juggling	Indiv
DVAct075	Whether has done activity: Lacrosse	Indiv
DVAct076	Whether has done activity: Motor sports (Motor-cross, go-karting, jet-skiing)	Indiv
DVAct077	Whether has done activity: Orienteering	Indiv
DVAct078	Whether has done activity: Polo	Indiv
DVAct079	Whether has done activity: Power boat (driving)	Indiv
DVAct080	Whether has done activity: Racketball	Indiv
DVAct081	Whether has done activity: Roller skating	Indiv
DVAct082	Whether has done activity: Roller blading	Indiv
DVAct083	Whether has done activity: Rowing (not including machine)	Indiv
DVAct084	Whether has done activity: Sailing (including dinghy)	Indiv
DVAct085	Whether has done activity: Scuba diving	Indiv
DVAct086	Whether has done activity: Subaqua (underwater) diving	Indiv
DVAct087	Whether has done activity: Shooting	Indiv
DVAct088	Whether has done activity: Skateboarding	Indiv
DVAct089	Whether has done activity: Skipping	Indiv
DVAct090	Whether has done activity: Skittles	Indiv
DVAct091	Whether has done activity: Snooker	Indiv
DVAct092	Whether has done activity: Snorkelling	Indiv
DVAct093	Whether has done activity: Sumo wrestling	Indiv
DVAct094	Whether has done activity: Surfing	Indiv
DVAct095	Whether has done activity: Swing ball	Indiv
DVAct096	Whether has done activity: Table tennis	Indiv
DVAct097	Whether has done activity: Tai Chi	Indiv
DVAct098	Whether has done activity: Tenpin bowling	Indiv
DVAct099	Whether has done activity: Territorial Army Training	Indiv
DVAct100	Whether has done activity: Toning table/bed	Indiv
DVAct101	Whether has done activity: Trampolining	Indiv
DVAct102	Whether has done activity: Volley ball	Indiv
DVAct103	Whether has done activity: Water-polo	Indiv
DVAct104	Whether has done activity: Wind surfing	Indiv
DVAct105	Whether has done activity: Wrestling	Indiv
DVAct106	Whether has done activity: Yoga	Indiv
DVAct107	Whether has done activity: Aquafit	Indiv
DVAct108	Whether has done activity: Angling	Indiv
DVAct109	Whether has done activity: Boxing	Indiv
DVAct110	Whether has done activity: Hillwalking	Indiv
DVAct111	Whether has done activity: Kayaking	Indiv
DVAct112	Whether has done activity: Shinty	Indiv
DVAct113	Whether has done activity: Inline skating	Indiv
DVAct114	Whether has done activity: Body boarding	Indiv
DVAct115	Whether has done activity: Wii fit/Xbox (Games designed for fitness purposes only)	Indiv
DVAct131	Whether has done activity: Workout at a gym/Exercise bike/ Weight training	Indiv
DVAct132	Whether has done activity: Aerobics/Keep fit/Gymnastics/ Dance for fitness	Indiv
DVAct133	Whether has done activity: Exercises (e.g. press-ups, sit ups)	Indiv
EXCMUS001	During past four weeks, was the effort of cycling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS002	During past four weeks, was the effort of exercise bike enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS003	During past four weeks, was the effort of swimming (continuous laps) enough to make your muscles feel tension, shake or feel warm	Indiv

EXCMUS004	During past four weeks, was the effort of swimming (leisurely splashing about, paddling in river/lake/pool) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS005	During past four weeks, was the effort of running (including on a treadmill) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS006	During past four weeks, was the effort of jogging (including on a treadmill) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS007	During past four weeks, was the effort of weight training enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS008	During past four weeks, was the effort of rowing machine enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS009	During past four weeks, was the effort of stepping machine enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS010	During past four weeks, was the effort of home exercises (e.g. push-ups, press-ups, chin-ups, abdominals, back exercises) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS011	During past four weeks, was the effort of floor exercise (e.g. push-ups, press-ups, chin-ups, abdominals, back exercises) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS012	During past four weeks, was the effort of aerobics enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS013	During past four weeks, was the effort of step-aerobics enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS014	During past four weeks, was the effort of football (casual or training) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS015	During past four weeks, was the effort of rugby (casual or training) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS016	During past four weeks, was the effort of football (game) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS017	During past four weeks, was the effort of rugby (game) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS018	During past four weeks, was the effort of basketball (training) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS019	During past four weeks, was the effort of handball (training) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS020	During past four weeks, was the effort of netball (training) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS021	During past four weeks, was the effort of basketball (game) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS022	During past four weeks, was the effort of handball (game) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS023	During past four weeks, was the effort of netball (game) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS024	During past four weeks, was the effort of tennis enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS025	During past four weeks, was the effort of badminton enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS026	During past four weeks, was the effort of squash enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS027	During past four weeks, was the effort of cricket enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS028	During past four weeks, was the effort of dancing (including taking lessons or nightclub) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS029	During past four weeks, was the effort of martial arts enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS030	During past four weeks, was the effort of water skiing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS031	During past four weeks, was the effort of downhill snow skiing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS032	During past four weeks, was the effort of snowboarding enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS033	During past four weeks, was the effort of dry slope skiing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS034	During past four weeks, was the effort of golf (not mini-golf, or golf using a power cart) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS035	During past four weeks, was the effort of pilates enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS036	During past four weeks, was the effort of bowls (including outdoor, crown, green, petanque) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS037	During past four weeks, was the effort of horse riding enough to make your muscles feel tension, shake or feel warm	Indiv

EXCMUS038	During past four weeks, was the effort of abseiling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS039	During past four weeks, was the effort of paraseiling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS040	During past four weeks, was the effort of adventure playground enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS041	During past four weeks, was the effort of aqua aerobics enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS042	During past four weeks, was the effort of american football enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS043	During past four weeks, was the effort of archery enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS044	During past four weeks, was the effort of assault course enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS045	During past four weeks, was the effort of back packing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS046	During past four weeks, was the effort of baseball enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS047	During past four weeks, was the effort of softball enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS048	During past four weeks, was the effort of rounders enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS049	During past four weeks, was the effort of battle re-enactment enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS050	During past four weeks, was the effort of canoeing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS051	During past four weeks, was the effort of circuit training enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS052	During past four weeks, was the effort of climbing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS053	During past four weeks, was the effort of croquet enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS054	During past four weeks, was the effort of curling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS055	During past four weeks, was the effort of darts enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS056	During past four weeks, was the effort of diving enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS057	During past four weeks, was the effort of dog training enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS058	During past four weeks, was the effort of drumming (in a group) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS059	During past four weeks, was the effort of rambling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS060	During past four weeks, was the effort of fell walking enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS061	During past four weeks, was the effort of cross country walking enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS062	During past four weeks, was the effort of fencing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS063	During past four weeks, was the effort of field athletics enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS064	During past four weeks, was the effort of fishing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS065	During past four weeks, was the effort of fly fishing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS066	During past four weeks, was the effort of fives enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS067	During past four weeks, was the effort of gymnastics enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS068	During past four weeks, was the effort of hang gliding enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS069	During past four weeks, was the effort of parachuting enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS070	During past four weeks, was the effort of hitting punch sack enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS071	During past four weeks, was the effort of hockey enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS072	During past four weeks, was the effort of ice skating enough to make your muscles feel tension, shake or feel warm	Indiv

EXCMUS073	During past four weeks, was the effort of ice dancing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS074	During past four weeks, was the effort of juggling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS075	During past four weeks, was the effort of lacrosse enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS076	During past four weeks, was the effort of motor sports (motor-cross, go-karting, jet-skiing) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS077	During past four weeks, was the effort of orienteering enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS078	During past four weeks, was the effort of polo enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS079	During past four weeks, was the effort of power boat (driving) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS080	During past four weeks, was the effort of racketball enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS081	During past four weeks, was the effort of roller skating enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS082	During past four weeks, was the effort of roller blading enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS083	During past four weeks, was the effort of rowing (not including machine) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS084	During past four weeks, was the effort of sailing (including dinghy) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS085	During past four weeks, was the effort of scuba diving enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS086	During past four weeks, was the effort of subaqua (underwater) diving enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS087	During past four weeks, was the effort of shooting enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS088	During past four weeks, was the effort of skateboarding enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS089	During past four weeks, was the effort of skipping enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS090	During past four weeks, was the effort of skittles enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS091	During past four weeks, was the effort of snooker enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS092	During past four weeks, was the effort of snorkelling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS093	During past four weeks, was the effort of sumo wrestling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS094	During past four weeks, was the effort of surfing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS095	During past four weeks, was the effort of swing ball enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS096	During past four weeks, was the effort of table tennis enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS097	During past four weeks, was the effort of tai chi enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS098	During past four weeks, was the effort of tenpin bowling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS099	During past four weeks, was the effort of territorial army training enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS100	During past four weeks, was the effort of toning table/bed enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS101	During past four weeks, was the effort of trampolining enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS102	During past four weeks, was the effort of volley ball enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS103	During past four weeks, was the effort of water-polo enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS104	During past four weeks, was the effort of wind surfing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS105	During past four weeks, was the effort of wrestling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS106	During past four weeks, was the effort of yoga enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS107	During past four weeks, was the effort of aquafit enough to make your muscles feel tension, shake or feel warm	Indiv

	During past four weeks, was the effort of angling enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS108		
EXCMUS109	During past four weeks, was the effort of boxing enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS110	During past four weeks, was the effort of hillwalking enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS111	During past four weeks, was the effort of kayaking enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS112	During past four weeks, was the effort of shinty enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS113	During past four weeks, was the effort of inline skating enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS114	During past four weeks, was the effort of body boarding enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS115	During past four weeks, was the effort of Wii / Xbox (Fitness/exercise/body movement programmes) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS131	During past four weeks, was the effort of a workout at a gym/Exercise bike/ Weight training enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS132	During past four weeks, was the effort of aerobics/Keep fit/Gymnastics/ Dance for fitness enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMUS133	During past four weeks, was the effort of exercises (eg press-ups, sit ups) enough to make your muscles feel tension, shake or feel warm	Indiv
EXCMOV	Whether exercises involved standing up and moving about	Indiv
AD10STRENGTH	(D) Occasions/4 week 10+min muscle-strengthening	Derived
AD10STRENGTH2A	(D) Occasions/4 week 10+min muscle-strengthening (grouped)	Derived
AD10STRENGTH2B	(D) Number of days per week muscle-strengthening activities for 10 mins+	Derived
AD10BALANCE	(D) Occasions/4week 10+min balancing	Derived
AD10BALANCE2A	(D) Occasions/4week 10+min balancing (grouped)	Derived
AD10BALANCE2B	(D) Number of days per week balancing activities for 10 mins+	Derived

Adult Sedentary

Variable	Description	Source
WKHRSTVA	(D) Total time spent watching TV on weekday (hours)	Derived
WKHRSTV	(D) Total time spent watching television on weekday	Derived
WEHRSTVA	(D) Total time spent watching TV on weekend day (hours)	Derived
WEHRSTV	(D) Total time spent watching television on weekend day	Derived
WKHRSITA	(D) Total time spent sitting on weekday (hours)	Derived
WKHRSIT	(D) Total time spent sitting on weekday	Derived
WKHRSIT2	(D) Total time spent other sedentary weekday – grouped	Derived
WEHRSITA	(D) Total time spent sitting on weekend day (hours)	Derived
WEHRSIT	(D) Total time spent sitting on weekend day	Derived
WEHRSIT2	(D) Total time spent other sedentary weekend – grouped	Derived
WKHRSTV2	(D) Total timespent watching TV weekday - grouped	Derived
WEHRSTV2	(D) Total time spent watching TV weekend - grouped	Derived
WKHRSTOT	(D) Total sedentary time on weekday (mins)	Derived
WKHRSTOT2	(D) Total time sedentary on weekdays – grouped	Derived
WKHRSTOTA	(D) Total sedentary time on weekday (hours)	Derived
WKHRSTOT4	(D) Total time sedentary on weekdays – grouped 4 hours	Derived
WKHRTOT4G	(D) Total time spent sedentary weekday - grouped	Derived
WKHRTOT240	(D) Total time spent sedentary weekday - grouped	Derived
WEHRSTOTA	(D) Total sedentary time on weekend day (hours)	Derived
WEHRSTOT	(D) Total sedentary time on weekend day (mins)	Derived
WEHRSTOT2	(D) Total time sedentary at weekends - grouped	Derived
WEHRSTOT4	(D) Total time sedentary at weekends – grouped 4 hours	Derived
WEHRTOT4G	(D) Total time spent sedentary weekend - grouped	Derived
WEHRTOT240	(D) Total time spent sedentary weekend day - grouped	Derived
USUAL	Is this usual?	Indiv

Adult Summary

Variable	Description	Source
AD10TOT08WK	(D) Occasions/4 week 10+min any activities - including occupational activity	Derived
AD10TOT08WK2	(D) Occasions/4 week 10+min any activities - including occupational activity (grouped)	Derived
TOT10ANY08WK	(D) All activities - any (10+min) or none - including occupational activity	Derived

AD10TOT08	(D) Occasions/4 week 10+min any activities - excluding occupational activity (grouped)	Derived
AD10TOT082	(D) Occasions/4 week 10+min any activities - excluding occupational activity (grouped)	Derived
TOT10ANY08	(D) All activities - any (10+min) or none - excluding occupational activity	Derived
AD10TOT12	(D) Occasions/4 week 10+min any activities - excluding occup but incl new walk qn for over 65s	Derived
AD10TOT12G	(D) Occasions/4 week 10+min any activities - excluding occup but incl new walk qn for over 65s (grouped)	Derived
HRS10TOT08	(D) Average hours doing all physical activities for 10+ mins per week - excluding occupational activity	Derived
HRS10TOT08G	(D) Average hours doing all physical activities for 10+ mins per week - excluding occupational activity (grouped)	Derived
MINS10TOT08	(D) Average minutes doing all physical activities for 10+ mins per week - excluding occupational activity	Derived
MINS10TOT08G	(D) Average minutes doing all physical activities for 10+ mins per week - excluding occupational activity (grouped)	Derived
HRS10TOT08WK	(D) Average hours doing all physical activities for 10+ mins per week - including occupational activity	Derived
HRS10TOT08WKG	(D) Average hours doing all physical activities for 10+ mins per week - including occupational activity (grouped)	Derived
MINS10TOT12WRK	(D) New MVPA recommendations using 2012 Qns	Derived
MINS10TOT12WKG	(D) New MVPA recommendations using 2012 Qns (grouped)	Derived
MINS10TOT0812	(D) New MVPA recommendations using 2012 data comparable to 08	Derived
MINS10TOT0812G	(D) New MVPA recommendations using 2012 data comparable to 08 (grouped)	Derived
MINS10TOT12	(D) Average minutes doing all physical activities for 10+ mins per week - excluding occupational activity - incl new work Qns (grouped)	Derived
MINS10TOT12G	(D) Average minutes doing all physical activities for 10+ mins per week - excluding occupational activity - incl new work Qns (grouped)	Derived
RECS12	(D) Meeting current MVPA and muscle-strengthening recommendations	Derived
A30TO06	(D) Total number of days active (moderate +) for 30 mins +	Derived
A30T06C	(D) Number of days per week any moderate+ activities for 30 mins +	Derived
A30T06A	(D) No. of days moderate + activity for 30 mins + any/none	Derived
A30T06G	(D) Summary moderate + activity level	Derived
RECS12_1	(D) Current MVPA recomendations, 3 groups (some activity or meets guidelines combined)	Derived
RECS12_2	(D) Current MVPA recomendations, 3 groups (low or some activity combined)	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
CIGEVR	Whether ever smoked cigarettes (c+sc)	Indiv/SC YP
CIGARNOW	Currently smokes cigars	Indiv
CIGARREG	How regularly smokes cigars	Indiv
PIPENOWA	Currently smokes a pipe	Indiv
CIGPIPENOW	(D) Current user of cigars or pipes, 16+yrs (c+sc)	Derived
STARTSMK	Age when started smoking	Indiv
DCIGAGE	Age first tried a cigarette	SC YP
DRSMK12	Whether a medical person has ever advised you to give up for health reasons	Indiv
SMKDAD	Whether father smoked when participant a child (c+sc)	Indiv/SC YP
SMKMUM	Whether mother smoked when participant a child (c+sc)	Indiv/SC YP
CIGST1	(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current	Derived
CIGSTA3	(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg	Derived
CIGST2	(D) Cigarette Smoking Status - Banded current smokers	Derived
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
ECIGEVR	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
PASSMOKE1	Often near people who smoke: At home (c+sc)	Indiv/SC YP
PASSMOKE2	Often near people who smoke: At work (c+sc)	Indiv/SC YP
PASSMOKE3	Often near people who smoke: In other people's homes (c+sc)	Indiv/SC YP
PASSMOKE4	Often near people who smoke: Travelling by car/van (c+sc)	Indiv/SC YP
PASSMOKE5	Often near people who smoke: Outdoor smoking areas of pubs/restaurants/cafes (c+sc)	Indiv/SC YP
PASSMOKE6	Often near people who smoke: In other places (c+sc)	
PASSMOKE7	Often near people who smoke: None of these (c+sc)	Indiv/SC YP
PASSMKB	Does being near people who smoke bother you at all? (c+sc)	Indiv/SC YP
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

Adult Current Smokers

Variable	Description	Source
FIRSTCIG	How soon after waking does respondent smoke	Indiv
CIGDYAL	(D) Number of cigarettes smoke a day - inc. non-smokers	Derived
CIGWDAY	Number cigarettes smoke on weekday (c+sc)	Indiv/SC YP
CIGWEND	Number cigarettes smoke on weekend day (c+sc)	Indiv/SC YP
CIGTYP	Type of cigarette smoked (c+sc)	Indiv/SC YP
ROLLWK	Number of hand-rolled cigarettes smoked on a weekday (c+sc)	Indiv/SC YP
ROLLWE	Number of hand-rolled cigarettes smoked on a weekend day (c+sc)	Indiv/SC YP
SMOKPL1	Smoked in the last 7 days: At my home, indoors (Capi)	Indiv
SMOKPL2	Smoked in the last 7 days: At my 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	Indiv
GIVUPSK	Like to give up smoking (c+sc)	Indiv/SC YP

WHNSTPSK	Intention to give up 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
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

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	How long ago did you stop smoking cigarettes (grouped)	Derived
SMOKYRSG	How many years did you smoke cigarettes (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 mouthspray (c+sc)	Indiv/SC YP
NRNOW06	Nicotine replacement product currently used: Nicotine nasal spray (c+sc)	Indiv/SC YP
NRNOW07	Nicotine replacement product currently used: Another nicotine product (c+sc)	Indiv/SC YP
NRNOW08	Nicotine replacement product currently used: Electronic cigarette (c+sc)	Indiv/SC YP
NRNOW09	Nicotine replacement product currently used: None of these (c+sc)	Indiv/SC YP
NDPNOW	(D) Current use of E-cigarettes and/or NDPs, 16+yrs (c + sc)	Derived
NREVR01	Nicotine replacement product used in the past but not now: Nicotine chewing gum (c+sc)	Indiv/SC YP
NREVR02	Nicotine replacement product used in the past but not now: Nicotine lozenges (c+sc)	Indiv/SC YP
NREVR03	Nicotine replacement product used in the past but not now: Nicotine patch (c+sc)	Indiv/SC YP
NREVR04	Nicotine replacement product used in the past but not now: Nicotine inhaler (c+sc)	Indiv/SC YP
NREVR05	Nicotine replacement product used in the past but not now: Nicotine mouthspray (c+sc)	Indiv/SC YP
NREVR06	Nicotine replacement product used in the past but not now: Nicotine nasal spray (c+sc)	Indiv/SC YP
NREVR07	Nicotine replacement product used in the past but not now: Another nicotine product (c+sc)	Indiv/SC YP
NREVR08	Nicotine replacement product used in the past but not now: Electronic cigarette (c+sc)	Indiv/SC YP
NREVR09	Nicotine replacement product used in the past but not now: None of these (c+sc)	Indiv/SC YP
NDPEVRC	(D) Ever or Current use of E-cigarettes and/or NDPs, 16+yrs (c + sc)	Derived
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 mouthspray (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 used to help cut down amount smoke: Nicotine chewing gum (capi)	Indiv/SC YP
NRCUT2	Nicotine replacement product used to help cut down amount smoke: Nicotine lozenges (c+sc)	Indiv/SC YP
NRCUT3	Nicotine replacement product used to help cut down amount smoke: Nicotine patch (c+sc)	Indiv/SC YP
NRCUT4	Nicotine replacement product used to help cut down amount smoke: Nicotine inhaler (c+sc)	Indiv/SC YP
NRCUT5	Nicotine replacement product used to help cut down amount smoke: Nicotine mouthspray (c+sc)	Indiv/SC YP
NRCUT6	Nicotine replacement product used to help cut down amount smoke: Nicotine nasal spray (c+sc)	Indiv/SC YP
NRCUT7	Nicotine replacement product used to help cut down amount smoke: Another nicotine product (c+sc)	Indiv/SC YP
NRCUT8	Nicotine replacement product used to help cut down amount smoke: Electronic cigarette (c+sc)	Indiv/SC YP
NRCUT9	Nicotine replacement product used to help cut down amount smoke: None of these (c+sc)	Indiv/SC YP
NRBAN1	Nicotine replacement product used when not allowed to smoke: Nicotine chewing gum (sc)	Indiv/SC YP
NRBAN2	Nicotine replacement product used when not allowed to smoke: Nicotine lozenges (c+sc)	Indiv/SC YP
NRBAN3	Nicotine replacement product used when not allowed to smoke: Nicotine patch (c+sc)	Indiv/SC YP
NRBAN4	Nicotine replacement product used when not allowed to smoke: Nicotine inhaler (c+sc)	Indiv/SC YP
NRBAN5	Nicotine replacement product used when not allowed to smoke: Nicotine mouthspray (c+sc)	Indiv/SC YP
NRBAN6	Nicotine replacement product used when not allowed to smoke: Nicotine nasal spray (c+sc)	Indiv/SC YP
NRBAN7	Another nicotine replacement product used when not allowed to smoke (c+sc)	Indiv/SC YP
NRBAN8	Nicotine replacement product used when not allowed to smoke: Electronic cigarette (c+sc)	Indiv/SC YP
NRBAN9	None of these Nicotine replacement products used when not allowed to smoke (c+sc)	Indiv/SC YP
NRQUIT1	Nicotine replacement product used during serious quit attempt: Nicotine chewing gum (c+sc)	Indiv/SC YP
NRQUIT2	Nicotine replacement product used during serious quit attempt: Nicotine lozenges (c+sc)	Indiv/SC YP
NRQUIT3	Nicotine replacement product used during serious quit attempt: Nicotine patch (c+sc)	Indiv/SC YP
NRQUIT4	Nicotine replacement product used during serious quit attempt: Nicotine inhaler (c+sc)	Indiv/SC YP
NRQUIT5	Nicotine replacement product used during serious quit attempt: Nicotine mouthspray (c+sc)	Indiv/SC YP
NRQUIT6	Nicotine replacement product used during serious quit attempt: Nicotine nasal spray (c+sc)	Indiv/SC YP
NRQUIT7	Nicotine replacement product used during serious quit attempt: Another nicotine product (c+sc)	Indiv/SC YP
NRQUIT8	Nicotine replacement product used during serious quit attempt: Electronic cigarette (c+sc)	Indiv/SC YP
NRQUIT9	Nicotine replacement product used during serious quit attempt: None of these (c+sc)	Indiv/SC YP
DRSMK12	Whether medical person ever advised to stop	Indiv
NDPNOW	(D) Current use of E-cigarettes and/or NDPs, 16+yrs (c+sc)	
NDPEVRC	(D) Ever or Current use of E-cigarettes and/or NDPs, 16+yrs (c+sc)	

Children General

Variable	Description	Source
EXPSMOK2	(D) Children's self reported exposure to other people's smoke, 0-15,4 groups	Derived
CHEXPSM	Whether child carer smokes (0-12s)	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 8-15
ANRSM202	Often near people who smoke: In other people's homes	SC 8-15
ANRSM203	Often near people who smoke: In a car	SC 8-15
ANRSM204	Often near people who smoke: In the street	SC 8-15
ANRSM205	Often near people who smoke: Outdoor areas of pubs/cafes/restaurants	SC 8-15
ANRSM206	Often near people who smoke: Park/playing facilities	SC 8-15
ANRSM207	Often near people who smoke: Public places unspecified	SC 8-15
ANRSM208	Often near people who smoke: School	SC 8-15
ANRSM209	Often near people who smoke: In other places	SC 8-15
ANRSM297	Often near people who smoke: No, none of these	SC 8-15
ASMKBTHR	Being around smoke bother you	SC 8-15
KCIGREGG	(D) Frequency of cigarette smoking (8-15s) (grouped)	Derived
KCIGEVR	Whether ever smoked cigarettes (8-15s)	SC 8-15
KCIGAGE	Age first smoked a cigarette (8-15s)	SC 8-15
KCIGREG	Frequency and amount smoked (8-15s)	SC 8-15
KCIGWEEK	Whether smoked in previous week (8-15s)	SC 8-15
KCIGNUM	Number of cigarettes smoked last week (8-15s)	SC 8-15
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

Children 13-15

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

Current Nicotine Status

Variable	Description	Source
SMOKEN1	Use any nicotine products nowadays: Cigarettes	Nurse
SMOKEN2	Use any nicotine products nowadays: Cigars	Nurse
SMOKEN3	Use any nicotine products nowadays: Pipe	Nurse
SMOKEN4	Use any nicotine products nowadays: E-cigarette or vaping device	Nurse
SMOKEN5	Use any nicotine products nowadays: Hookah/Shisha	Nurse
SMOKEN6	Use any nicotine products nowadays: Smokeless tobacco	Nurse
SMOKEN7	Use any nicotine products nowadays: None of these	Nurse
SMOK7DAY1	Use any nicotine products in the last 7 days: Cigarettes	Nurse
SMOK7DAY2	Use any nicotine products in the last 7 days: Cigars	Nurse

SMOK7DAY3	Use any nicotine products in the last 7 days: Pipe	Nurse
SMOK7DAY4	Use any nicotine products in the last 7 days: E-cigarette or vaping device	Nurse
SMOK7DAY5	Use any nicotine products in the last 7 days: Hookah/Shisha	Nurse
SMOK7DAY6	Use any nicotine products in the last 7 days: Smokeless tobacco	Nurse
SMOK7DAY7	Use any nicotine products in the last 7 days: None of these	Nurse
NR7DAY_1	Nicotine products used in last 7 days: Nicotine chewing gum	Nurse
NR7DAY_2	Nicotine products used in last 7 days: Nicotine lozenges/mini lozenges	Nurse
LASTSMOK	How long is it since last smoked?	Nurse
SMOKEVRN	Ever regularly smoked a cigarette, a cigar or a pipe, at least one a day	Nurse
NR7DAY_3	Nicotine products used in last 7 days: Nicotine patches	Nurse
NR7DAY_4	Nicotine products used in last 7 days: Nicotine inhaler/inhalator	Nurse
NR7DAY_5	Nicotine products used in last 7 days: Nicotine mouthspray	Nurse
NR7DAY_6	Nicotine products used in last 7 days: Nicotine nasal spray	Nurse
NR7DAY_7	Nicotine products used in last 7 days: Another nicotine product	Nurse
NR7DAY_8	Nicotine products used in last 7 days: Electronic cigarette	Nurse
NR7DAY_9	Nicotine products used in last 7 days: None	Nurse
NICUSE7D	(D) Used nicotine products in last 7 days, 16+yrs (nurse)	Derived

Cotinine

Variable	Description	Source
SALINTR1	Consent to take saliva sample	Nurse
SALOBT1	Whether saliva sample obtained	Nurse
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 result (saliva)	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

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
TASKHELPB	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
TASKHELPJ	Received help in last month: Getting out of the house	Indiv
TASKHELPK	Received help in last month: Shopping for food	Indiv
TASKHELPL	Received help in last month: Doing routine housework or laundry	Indiv
TASKHELPM	Received help in last month: Doing paperwork or paying bills	Indiv
HLPNUM	Derived number of activities Respondent has received help with in the last month	Indiv
HLPNUMB	Derived number of activities respondent has received help with in the last month, excluding shopping for food / housework / paperwork	Indiv
CHECKA2	Whether received help because of health, disability or age problems	Indiv
RECHLPI	(D) Did you receive help: Stairs (TASK I)	Derived
RECHLPH	(D) Did you receive help: Indoors (TASK H)	Derived
RECHLPA	(D) Did you receive help: Bed (TASK A)	Derived
RECHLPC	(D) Did you receive help: Shower (TASK C)	Derived
RECHLPD	(D) Did you receive help: Dress (TASK D)	Derived
RECHLPB	(D) Did you receive help: Wash (TASK B)	Derived
RECHLPE	(D) Did you receive help: Toilet (TASK E)	Derived
RECHLPG	(D) Did you receive help: Medicine (TASK G)	Derived
RECHLPF	(D) Did you receive help: Eat (TASK F)	Derived
RECHLPJ	(D) Did you receive help: House (TASK J)	Derived
RECHLPK	(D) Did you receive help: Shop (TASK K)	Derived
RECHLPL	(D) Did you receive help: Housework (TASK L)	Derived
RECHLPM	(D) Did you receive help: Paperwork (TASK M)	Derived
RECHELIBI	(D) Received help: Stairs (binary) (TASK I)	Derived
RECHELHBI	(D) Received help: Indoors (binary) (TASK H)	Derived
RECHELABI	(D) Received help: Bed (binary) (TASK A)	Derived
RECHELCBI	(D) Received help: Shower (binary) (TASK C)	Derived
RECHELDBI	(D) Received help: Dress (binary) (TASK D)	Derived
RECHELBBI	(D) Received help: Wash (binary) (TASK B)	Derived
RECHELEBI	(D) Received help: Toilet (binary) (TASK E)	Derived
RECHELGBI	(D) Received help: Medicine (binary) (TASK G)	Derived
RECHELFBI	(D) Received help: Eat (binary) (TASK F)	Derived
RECHELJBI	(D) Received help: House (binary) (TASK J)	Derived
RECHELKBI	(D) Received help: Shop (binary) (TASK K)	Derived
RECHELLBI	(D) Received help: Housework (binary) (TASK L)	Derived
RECHELMBI	(D) Received help: Paperwork (binary) (TASK M)	Derived
NDHLPI	(D) Need help (binary): Stairs (TASK I)	Derived
NDHLPH	(D) Need help (binary): Indoors (TASK H)	Derived
NDHLPA	(D) Need help (binary): Bed (TASK A)	Derived
NDHLPC	(D) Need help (binary): Shower (TASK C)	Derived

NDHLPD	(D) Need help (binary): Dress (TASK D)	Derived
NDHLPB	(D) Need help (binary): Wash (TASK B)	Derived
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
HELPADL	(D) Received help with any indoor activities (ADLs: Getting around indoors, getting up and down stairs)	Derived
HELPEXSH	(D) Received help for any personal activities (ADLs excl bath or shower)	Derived
HELPEXSH2	(D) Received help for any personal activities (ADLs excl bath or shower, toilet, indoors & stairs)	Derived
HELPINDOOR	(D) Received help with any indoor activities (ADLs: Getting around indoors, getting up and down stairs)	Derived
HELPIADL	(D) Received help with any instrumental activities (IADLs: getting out of house,food shopping, routine housework,doing paperwork/bills)	Derived
UNMETI	(D) Unmet need: Stairs (TASK I)	Derived
UNMETH	(D) Unmet need: 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 IDL needs	Derived
BLADDPRB	Whether suffer with bladder problems	Indiv
BOWELPRB	Whether suffer with bowel problems	Indiv
BLADPROB	(D) Bladder problem - binary	Derived
BOWPROB	(D) Bowel problem - binary	Derived
BARTHEL	(D) Unmet need: Person's dep - Barthel Index of ADL	Derived
BARTGP	(D) Unmet need: Person's dep - Barthel Index ADL, rec	Derived
BARTGP2	(D) Unmet need: Person's dep - Barthel Index ADL, rec 2	Derived
BARTHEL5	(D) Unmet need: Person's dep - Barthel 5 Item Index ADL	Derived
BART5GP	(D) Unmet need: Person's dep - Bart 5 Item Ix ADL, rec	Derived
BART5GP2	(D) Unmet need: Person's dep - Bart 5 Itm Ix ADL, rec 2	Derived
RECHELP	(D) Received help with ADLs/IADLs in the last month	Derived

Formal Help

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

HLPFORM03	Formal help for bath: Occupational Therapist	Indiv
HLPFORM04	Formal help for bath: Voluntary helper	Indiv
HLPFORM05	Formal help for bath: Warden/Sheltered housing	Indiv
HLPFORM06	Formal help for bath: Cleaner	Indiv
HLPFORM07	Formal help for bath: Council's handyman	Indiv
HLPFORM08	Formal help for bath: Other	Indiv
HLPFORM09	Formal help for bath: None of the above	Indiv
HLPFORM10	Formal help ADLs apart from bath & toilet: Home care worker/home help	Indiv
HLPFORM11	Formal help ADLs apart from bath & toilet: A member of the reablement team	Indiv
HLPFORM12	Formal help ADLs apart from bath & toilet: Occupational Therapist	Indiv
HLPFORM13	Formal help ADLs apart from bath & toilet: Voluntary helper	Indiv
HLPFORM14	Formal help ADLs apart from bath & toilet: Warden/Sheltered housing	Indiv
HLPFORM15	Formal help ADLs apart from bath & toilet: Cleaner	Indiv
HLPFORM16	Formal help ADLs apart from bath & toilet: Council's handyman	Indiv
HLPFORM17	Formal help ADLs apart from bath & toilet: Other	Indiv
HLPFORM18	Formal help ADLs apart from bath & toilet: None of the above	Indiv
HLPFORM19	Formal help for indoor tasks: Home care worker/home help	Indiv
HLPFORM20	Formal help for indoor tasks: A member of the reablement team	Indiv
HLPFORM21	Formal help for indoor tasks: Occupational Therapist	Indiv
HLPFORM22	Formal help for indoor tasks: Voluntary helper	Indiv
HLPFORM23	Formal help for indoor tasks: Warden/Sheltered housing	Indiv
HLPFORM24	Formal help for indoor tasks: Cleaner	Indiv
HLPFORM25	Formal help for indoor tasks: Council's handyman	Indiv
HLPFORM26	Formal help for indoor tasks: Other	Indiv
HLPFORM27	Formal help for indoor tasks: None of the above	Indiv
HHELP	Whether more than one home care worker/home help/personal assistant in last month	Indiv
HHELPB	Whether different home care workers do the same or different tasks	Indiv
HHELPC	Tasks carried out by home care worker: First	Indiv
HHELPC2	Tasks carried out by home care worker: Second	Indiv
HHELPC3	Tasks carried out by home care worker: Third	Indiv
MOREHC	Whether more home care workers/home helps/personal assistants	Indiv
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 ADLs apart from bath & toilet: Husband/wife/partner	Indiv
HLPINF13	Informal help ADLs apart from bath & toilet: Son	Indiv
HLPINF14	Informal help ADLs apart from bath & toilet: Daughter	Indiv

HLPINF15	Informal help ADLs apart from bath & toilet: Grandchild	Indiv
HLPINF16	Informal help ADLs apart from bath & toilet: Brother/sister	Indiv
HLPINF17	Informal help ADLs apart from bath & toilet: Niece/nephew	Indiv
HLPINF18	Informal help ADLs apart from bath & toilet: Mother/father	Indiv
HLPINF19	Informal help ADLs apart from bath & toilet: Other family member	Indiv
HLPINF20	Informal help ADLs apart from bath & toilet: Friend	Indiv
HLPINF21	Informal help ADLs apart from bath & toilet: Neighbour	Indiv
HLPINF22	Informal help ADLs apart from bath & toilet: None of the above	Indiv
HLPINF23	Informal help for indoor tasks: Husband/wife/partner	Indiv
HLPINF24	Informal help for indoor tasks: Son	Indiv
HLPINF25	Informal help for indoor tasks: Daughter	Indiv
HLPINF26	Informal help for indoor tasks: Grandchild	Indiv
HLPINF27	Informal help for indoor tasks: Brother/sister	Indiv
HLPINF28	Informal help for indoor tasks: Niece/nephew	Indiv
HLPINF29	Informal help for indoor tasks: Mother/father	Indiv
HLPINF30	Informal help for indoor tasks: Other family member	Indiv
HLPINF31	Informal help for indoor tasks: Friend	Indiv
HLPINF32	Informal help for indoor tasks: Neighbour	Indiv
HLPINF33	Informal help for indoor tasks: None of the above	Indiv
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) Freind/Neighbour helped with ADLs (tasks A-I)	Derived
DHELPINOT	(D) Other member of the family helped with ADLs (tasks A-I)	Derived
DHELPINNO	(D) No informal helpers helped with ADLs (tasks A-I)	Derived
DANYINF	(D) An informal helper helped with ADLs (tasks A-I)	Derived
DHELPINSPI	(D) Spouse/partner helped with IADLs (tasks J-M)	Derived
DHELPINSOI	(D) Son helped with IADLs (tasks J-M)	Derived
DHELPINDAI	(D) Daughter helped with IADLs (tasks J-M)	Derived
DHELPINFNI	(D) Friend/neighbour helped with IADLs (tasks J-M)	Derived
DHELPINOTI	(D) Other family member helped with IADLs (tasks J-M)	Derived
DHELPINNOI	(D) No informal helper helped with IADLs (tasks J-M)	Derived
DANYINFI	(D) An informal helper helped with IADLs (tasks J-M)	Derived
DADLTYP	(D) Who provided ADL help (informal/formal helpers, tasks A-I)	Derived
DIADLTYP	(D) Who provided IADL help (informal/formal helpers, tasks J-M)	Derived

Family helper information

Variable	Description	Source
HELPFAM	Spouse/partner: Whether lives in household	Indiv
SEXFAM	Spouse/partner: Sex	Indiv
HELPFAM2	Son: Whether lives in household	Indiv
SEXFAM2	Son: Sex	Indiv
HELPFAM3	2nd Son: Whether lives in household	Indiv
SEXFAM3	2nd Son: Sex	Indiv
HELPFAM4	3rd Son: Whether lives in household	Indiv
SEXFAM4	3rd Son: Sex	Indiv
HELPFAM5	Daughter: Whether lives in household	Indiv
SEXFAM5	Daughter: Sex	Indiv
HELPFAM6	2nd Daughter: Whether lives in household	Indiv
SEXFAM6	2nd Daughter: Sex	Indiv
HELPFAM7	3rd Daughter: Whether lives in household	Indiv
SEXFAM7	3rd Daughter: Sex	Indiv
HELPFAM8	Grandchild: Whether lives in household	Indiv
SEXFAM8	Grandchild: Sex	Indiv
HELPFAM9	2nd Grandchild: Whether lives in household	Indiv
SEXFAM9	2nd Grandchild: Sex	Indiv
HELPFA10	3rd Grandchild: Whether lives in household	Indiv
SEXFAM10	3rd Grandchild: Sex	Indiv
HELPFA11	Brother/sister: Whether lives in household	Indiv
SEXFAM11	Brother/sister: Sex	Indiv
HELPFA12	2nd Brother/sister: Whether lives in household	Indiv
SEXFAM12	2nd Brother/sister: Sex	Indiv
HELPFA15	Niece/nephew: Whether lives in household	Indiv
SEXFAM15	Niece/nephew: Sex	Indiv
HELPFA16	2nd Niece/nephew: Person lives in household	Indiv
SEXFAM16	2nd Niece/nephew: Sex	Indiv
HELPFA17	3rd Niece/nephew: Person lives in household	Indiv

SEXFAM17	3rd Niece/nephew: Sex	Indiv
HELPFA20	Other family member: Whether lives in household	Indiv
SEXFAM20	Other family member: Sex	Indiv
HELPFA21	Friend: Whether lives in household	Indiv
SEXFAM21	Friend: Sex	Indiv
HELPFA22	2nd Friend: Whether lives in household	Indiv
SEXFAM22	2nd Friend: Sex	Indiv
SEXFAM24	Neighbour: Sex	Indiv
SEXFAM25	2nd Neighbour: Sex	Indiv
HELPFA23	3rd Friend: Person lives in household	Indiv
SEXFAM23	3rd Friend: Sex	Indiv
SEXFAM26	3rd Neighbour: Sex	Indiv

Amount of time helped - formal

Variable	Description	Source
HRSFORM27	Hours of help received in last week: Home care worker/home help/personal assistant	Indiv
HRSFORM28	Hours of help received in last week: 2nd home care worker/home help/personal assistant	Indiv
HRSFORM29	Hours of help received in last week: 3rd home care worker/home help/personal assistant	Indiv
HRSFORM30	Hours of help received in last week: Member of the reablement/intermediate care staff team	Indiv
HRSFORM31	Hours of help received in last week: Occupational therapist/physiotherapist	Indiv
HRSFORM32	Hours of help received in last week: Voluntary helper	Indiv
HRSFORM33	Hours of help received in last week: Warden/sheltered housing manager	Indiv
HRSFORM34	Hours of help received in last week: Cleaner	Indiv
HRSFORM35	Hours of help received in last week: Council's handyman	Indiv
HRSFORM36	Hours of help received in last week: Other	Indiv
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
HLPHRSF29G9	Grouped hours of formal help received in last week(9 groups) : 3rd 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
HLPHRSF31G9	Grouped hours of formal help received in last week(9 groups) : Occupational therapist/physiotherapist	Indiv
HLPHRSF32G9	Grouped hours of formal help received in last week(9 groups) : Voluntary helper	Indiv
HLPHRSF33G9	Grouped hours of formal help received in last week(9 groups) : Warden/sheltered housing manager	Indiv
HLPHRSF34G9	Grouped hours of formal help received in last week(9 groups) : Cleaner	Indiv
HLPHRSF35G9	Grouped hours of formal help received in last week(9 groups) : Council's handyman	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
HLPHRSF29G3	Grouped hours of formal help received in last week(3 groups) : 3rd 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
HLPHRSF31G3	Grouped hours of formal help received in last week(3 groups) : Occupational therapist/physiotherapist	Indiv
HLPHRSF32G3	Grouped hours of formal help received in last week(3 groups) : Voluntary helper	Indiv
HLPHRSF33G3	Grouped hours of formal help received in last week(3 groups) : Warden/sheltered housing manager	Indiv
HLPHRSF34G3	Grouped hours of formal help received in last week(3 groups) : Cleaner	Indiv
HLPHRSF35G3	Grouped hours of formal help received in last week(3 groups) : Council's handyman	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
HLPHRSI10G9	Grouped hours of informal help received in last week(9 groups) : 3rd grandchild	Indiv
HLPHRSI11G9	Grouped hours of informal help received in last week(9 groups) : brother/sister	Indiv
HLPHRSI12G9	Grouped hours of informal help received in last week(9 groups) : 2nd brother/sister	Indiv
HLPHRSI13G9	Grouped hours of informal help received in last week(9 groups) : 3rd brother/sister	Indiv
HLPHRSI15G9	Grouped hours of informal help received in last week(9 groups) : Niece/nephew	Indiv
HLPHRSI16G9	Grouped hours of informal help received in last week(9 groups) : 2nd niece/nephew	Indiv
HLPHRSI17G9	Grouped hours of informal help received in last week(9 groups) : 3rd niece/nephew	Indiv
HLPHRSI18G9	Grouped hours of informal help received in last week(9 groups) : Parent	Indiv
HLPHRSI19G9	Grouped hours of informal help received in last week(9 groups) : Other parent	Indiv
HLPHRSI20G9	Grouped hours of informal help received in last week(9 groups) : Other family member	Indiv
HLPHRSI21G9	Grouped hours of informal help received in last week(9 groups) : Friend	Indiv
HLPHRSI22G9	Grouped hours of informal help received in last week(9 groups) : 2nd friend	Indiv
HLPHRSI23G9	Grouped hours of informal help received in last week(9 groups) : 3rd friend	Indiv
HLPHRSI24G9	Grouped hours of informal help received in last week(9 groups) : Neighbour	Indiv
HLPHRSI25G9	Grouped hours of informal help received in last week(9 groups) : 2nd neighbour	Indiv
HLPHRSI26G9	Grouped hours of informal help received in last week(9 groups) : 3rd neighbour	Indiv
HLPHRSI01G3	Grouped hours of informal help received in last week(3 groups) : Husband/wife/partner	Indiv
HLPHRSI02G3	Grouped hours of informal help received in last week(3 groups) : Son	Indiv
HLPHRSI03G3	Grouped hours of informal help received in last week(3 groups) : 2nd son	Indiv
HLPHRSI04G3	Grouped hours of informal help received in last week(3 groups) : 3rd son	Indiv
HLPHRSI05G3	Grouped hours of informal help received in last week(3 groups) : Daughter	Indiv
HLPHRSI06G3	Grouped hours of informal help received in last week(3 groups) : 2nd daughter	Indiv
HLPHRSI07G3	Grouped hours of informal help received in last week(3 groups) : 3rd daughter	Indiv
HLPHRSI08G3	Grouped hours of informal help received in last week(3 groups) : Grandchild	Indiv
HLPHRSI09G3	Grouped hours of informal help received in last week(3 groups) : 2nd grandchild	Indiv
HLPHRSI10G3	Grouped hours of informal help received in last week(3 groups) : 3rd grandchild	Indiv
HLPHRSI11G3	Grouped hours of informal help received in last week(3 groups) : brother/sister	Indiv
HLPHRSI12G3	Grouped hours of informal help received in last week(3 groups) : 2nd brother/sister	Indiv
HLPHRSI13G3	Grouped hours of informal help received in last week(3 groups) : 3rd brother/sister	Indiv
HLPHRSI15G3	Grouped hours of informal help received in last week(3 groups) : Niece/nephew	Indiv
HLPHRSI16G3	Grouped hours of informal help received in last week(3 groups) : 2nd niece/nephew	Indiv
HLPHRSI17G3	Grouped hours of informal help received in last week(3 groups) : 3rd niece/nephew	Indiv
HLPHRSI18G3	Grouped hours of informal help received in last week(3 groups) : Parent	Indiv
HLPHRSI19G3	Grouped hours of informal help received in last week(3 groups) : Other parent	Indiv
HLPHRSI20G3	Grouped hours of informal help received in last week(3 groups) : Other family member	Indiv
HLPHRSI21G3	Grouped hours of informal help received in last week(3 groups) : Friend	Indiv
HLPHRSI22G3	Grouped hours of informal help received in last week(3 groups) : 2nd friend	Indiv
HLPHRSI23G3	Grouped hours of informal help received in last week(3 groups) : 3rd friend	Indiv
HLPHRSI24G3	Grouped hours of informal help received in last week(3 groups) : Neighbour	Indiv
HLPHRSI25G3	Grouped hours of informal help received in last week(3 groups) : 2nd neighbour	Indiv
HLPHRSI26G3	Grouped hours of informal help received in last week(3 groups) : 3rd neighbour	Indiv
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
HlpUsHrs04	Average hours of help in a usual week: 3rd 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
HlpUsHrs10	Average hours of help in a usual week: 3rd 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
HlpUsHrs13	Average hours of help in a usual week: 3rd 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
HlpUsHrs17	Average hours of help in a usual week: 3rd niece/nephew	Indiv
HlpUsHrs18	Average hours of help in a usual week: Parent	Indiv
HlpUsHrs19	Average hours of help in a usual week: Other parent	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
HlpUsHrs26	Average hours of help in a usual week: 3rd neighbour	Indiv
HlpUsHrs27	Average hours of help in a usual week: Home care worker/home help/ personal assistant	Indiv
HlpUsHrs28	Average hours of help in a usual week: 2nd home care worker/home help/ personal assistant	Indiv
HlpUsHrs29	Average hours of help in a usual week: 3rd home care worker/home help/ personal assistant	Indiv
HlpUsHrs30	Average hours of help in a usual week: Member of the reablement/intermediate care staff team	Indiv
HlpUsHrs31	Average hours of help in a usual week: Occupational therapist/physiotherapist	Indiv
HlpUsHrs32	Average hours of help in a usual week: Voluntary helper	Indiv
HlpUsHrs33	Average hours of help in a usual week: Warden/sheltered housing manager	Indiv
HlpUsHrs34	Average hours of help in a usual week: Cleaner	Indiv
HlpUsHrs35	Average hours of help in a usual week: Council's handyman	Indiv
HlpUsHrs36	Average hours of help in a usual week: Other helper	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
sonmost	(D) Son who provided the most hours of care	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
DAmost	(D) Daughter who provided the most hours of care	Derived
DAhr6	(D) Grouped, hours of help provided in the last week by daughter who helped the most (6 groups, 50+)	Derived
DAhr10	(D) Grouped, hours of help provided in the last week by daughter who helped the most (4 groups, 10+)	Derived
DAhr20	(D) Grouped, hours of help provided in the last week by daughter who helped the most (4 groups, 20+)	Derived
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
FNmost	Other friend or neighbour who provided most hours of care	Derived
FNhr6	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (6 groups, 50+)	Derived
FNhr10	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 10+)	Derived
FNhr20	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 20+)	Derived
HCHrs1	(D) Hours of help provided in the last week by home care worker who helped the most	Derived
HCmost	(D) Home care worker who gave most hours of care	Derived
HCHrs	(D) Grouped hours of help, for home care worker who helped the most	Derived
HCHr6	(D) Home care worker hours of help (grouped)	Derived
HCHr10	(D) Home care worker 10+ hours of help	Derived
HCHr20	(D) Home care worker 20+ hours of help	Derived

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

Use of care services

Variable	Description	Source
WHOANS	Whether respondent answered on own	Indiv
MEALPROV	Whether regularly had main meals provided in last month	Indiv
MEALS1	Who provided meals: Meals on Wheels	Indiv
MEALS2	Who provided meals: Private frozen meal provider	Indiv
MEALS3	Who provided meals: Family/friend/neighbour	Indiv
MEALS4	Who provided meals: Other	Indiv
MEALS5	Who provided meals: None of these	Indiv
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

2016

Derived Variable Specification

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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   Green 8-12
        2   Blue 13-15
        3   Orange Young Adults
        4   Grey Adults

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 "Lilac 8-12"  2 "Green/Orange 13-15"  3 "PinkYoung Adults"  4 "Yellow
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'.
```

Employment Status

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

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

SPSS Syntax

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

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

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

SPSS Syntax

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

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

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

SPSS Syntax

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

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

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

SPSS Syntax

```
RECODE sthnssec (1 thru 3.4=1) (4 thru 6=2) (7 thru 7.4=3) (8 thru 9.2=4) (10 thru 11.2=5) (12 thru
12.7=6) (13 thru 13.5=7) (14 thru 14.2=8) (15 thru 17=99) (else=copy) into hpnssec8.
Variable labels hpnssec8 "(D) NS-SEC 8 variable classification (hrp)".
Value labels hpnssec8
 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 hpnssec8.
```

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

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

SPSS Syntax

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

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

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

SPSS Syntax

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

Income

EQV5: (D) Equivalised Income Quintiles

    -90.00 Age of household member refused
    -1.00 Item not applicable
    1.00 Lowest Quintile (<=£13,313)
    2.00 Second lowest Quintile (>£13,313 <=£20,073)
    3.00 Middle Quintile (>£20,073 <=£30,824)
    4.00 Second highest Quintile (>£30,824 <=£49,367)
    5.00 Highest Quintile (>£49,367)

EQV3: (D) Equivalised Income Tertiles

-90.00 Age of household member refused
-1.00 Item not applicable
1.00 Lowest Tertile (<=£17,967)
2.00 Middle Tertile (>£17,967- £35,934)
3.00 Highest Tertile (>£35,934)

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 cohabitees

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. Cohabitees

SPSS Syntax

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

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

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)".
FREQ htval.
```

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

SPSS Syntax

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

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

SPSS Syntax

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

WSTVAL: (D) Valid Mean Waist (cm)

SPSS Syntax

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

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 overwight
    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".
```

BMIVG3: (D) BMI grouped combining underweight and normal, overweight and combining obese and mobidly obese
  1   Not overwight 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
  1   Underweight: less than 18.5'
  2   Normal: 18.5 to less than 25'
  3   Overweight: 25 to less than 30'
  4   Obese I: 30 to less than 35'
  5   Obese II: 35 to less than 40'
  6   Obese III: 40 or more'.

SPSS Syntax

```
compute BMIvg6=0.
IF RANGE(BMIVAL,0,18.50) BMIVG6=1.
IF RANGE(BMIVAL,18.50,25.00) BMIVG6=2.
IF RANGE(BMIVAL,25.00,30.00) BMIVG6=3.
IF RANGE(BMIVAL,30.00,35.00) BMIVG6=4.
IF RANGE(BMIVAL,35.00,40.00) BMIVG6=5.
IF RANGE(BMIVAL,40.00,70.00) BMIVG6=6.
IF Age<16 | BMIval<0 | wstval<0 BMIVG6=-1.
VARIABLE LABELS BMIvg6 "(D) BMI grouped with Obese categories I, II, III".
val labels BMIVG6
1 'Underweight: less than 18.5'
2 'Normal: 18.5 to less than 25'
3 'Overweight: 25 to less than 30'
4 'Obese I: 30 to less than 35'
5 'Obese II: 35 to less than 40'
6 'Obese III: 40 or more'.
```

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) Children's BMI standards (85th/95th centile)

        1   Normal-weight
        2   Over-weight
        3   Obese

SPSS Syntax

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

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

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

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

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

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

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

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

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

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

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

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


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

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

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

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

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

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND (bmival>=17.24 AND bmival<18.48) bmicat1=2.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND (bmival>=17.71 AND bmival<19.22) bmicat1=2.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND (bmival>=17.41 AND bmival<18.74) bmicat1=2.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND (bmival>=17.96 AND bmival<19.56) bmicat1=2.
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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.
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IF sex=1 AND (intexage>=11 AND intexage<11.50) AND (bmival>=21.18) bmicat1=3.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND (bmival>=22.36) bmicat1=3.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND (bmival>=21.57) bmicat1=3.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND (bmival>=22.80) bmicat1=3.

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

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

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

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

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

exe.

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

BMICAT2: (D) Children's BMI status (overweight incl. obese)
    1   Neither overweight nor obese
    2   Overweight incl obese

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

BMICAT3: (D) Children's BMI status (non-obese vs obese)
    1   Non-obese
    2   Obese

SPSS Syntax
```
RECODE bmicat1 (1 thru 2=1) (3=2)(else=copy) INTO bmicat3.
VAR LAB bmicat3 '(D) BMI status age 2-15 (non-obese vs obese)'.
VAL LAB bmicat3
 1 'Non-obese'
 2 'Obese'.
```

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

MENWHHI: (D) Male high waist-hip ratio
    1   Less than 0.95
    2   0.95 or more

SPSS Syntax
```
do if sex=1.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into menwhgp.
RECODE whval (1.00 THRU hi=6)(0.95 THRU 1.00=5)(0.90 THRU 0.95=4)(0.85 THRU 0.90=3)
  (0.80 THRU 0.85=2)(0.01 THRU 0.80=1) into menwhgp.
recode menwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into menwhhi.
VAR LAB menwhgp '(D) Male waist hip ratio groups (adults)'.
```

```
VAL LAB menwhgp
    1 'Less than 0.80'
    2 '0.80, less than 0.85'
    3 '0.85, less than 0.90'
    4 '0.90, less than 0.95'
    5 '0.95, less than 1.00'
    6 '1.00 or more'.
VAR LAB menwhhi '(D) Male high waist hip ratio'.
VAL LAB menwhhi
  1 'Less than 0.95'
  2 '0.95 or more'.
end if.
if sex=2 menwhgp=-1.
if sex=2 menwhhi=-1.
if age<=15 menwhgp=-1.
if age<=15 menwhhi=-1.
```

WOMWHGP: (D) Female waist-hip ratio groups

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

WOMWHHI: (D) Female high waist-hip ratio

    1   Less than 0.85
    2   0.85 or more
  -90   Pregnant

SPSS Syntax

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

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

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 in 3 groups (valid waist)

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

```
SPSS syntax

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

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

WAIST: (D) Waist circumference, defined by NICE (3 groups, based on valid waist and BMIvg6)

  1   Low waist circ
  2   High
  3   Very high

```
SPSS syntax

DO IF wstval>50 & range(BMIVG6,1,6).
   DO IF (sex=1) .
        RECODE wstval  (Lowest thru 93.999=1) (94 thru 102=2) (102 thru Highest=3)  INTO  waist .
        ELSE IF (sex=2) .
                RECODE wstval  (Lowest thru 79.999=1) (80 thru 88=2) (88 thru Highest=3)  INTO  waist .
    END IF .
    ELSE IF (wstval<=50 | (BMIvg6<1 | BMIvg6>6)).
        compute Waist=-1.
END IF.
EXECUTE .
freq waist.

VARIABLE LABELS Waist '(D) Waist circumference, defined by NICE (3 groups, based on valid waist and
BMIvg6)'.
VALUE LABELS WAIST
    1 'Low waist circ'
    2  'High'
    3 'Very high'.
cro/tables = waist by sex.
```

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

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

```
SPSS syntax

if bmivg6=1 & waist=1 OhthRisk=1.
if bmivg6=1 & waist=2 OhthRisk=2.
if bmivg6=1 & waist=3 OhthRisk=3.
if bmivg6=2 & waist=1 OhthRisk=4.
if bmivg6=2 & waist=2 OhthRisk=5.
if bmivg6=2 & waist=3 OhthRisk=6.
if bmivg6=3 & waist=1 OhthRisk=7.
if bmivg6=3 & waist=2 OhthRisk=8.
if bmivg6=3 & waist=3 OhthRisk=9.
if bmivg6=4 & waist=1 OhthRisk=10.
if bmivg6=4 & waist=2 OhthRisk=11.
```

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

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

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

SPSS syntax

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

Perception of weight

SAYWGT2: (D) How views own weight – age 8+ (don't know as valid answer, not missing)

1 About the right weight
2 Too heavy
3 Too light
8 Don't know

SPSS syntax

```
compute saywgt2=saywgt.
IF saywgt =-8 saywgt2=8.
add value labels saywgt2
1 'About the right weight'  2 'Too heavy'  3 'Too light'  8 'Don''t know'.
variable labels saywgt2 "(D) How views own weight - age 8+ (don't know as valid answer, not missing)".
```

FATH_PERS: (D) Father's perspective of child's weight

1 About the right weight
2 Too heavy
3 Too light

MOTH_PERS: (D) Mother's perspective of child's weight

1 About the right weight
2 Too heavy
3 Too light

Syntax for parents' perception of child's weight variables is availabe on request

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 measurements are valid

    1   Valid
    2   Waist/Hip not usuable
    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 it 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 usuable"
  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 mmol/L (sample received after 16th June)

SPSS Syntax

```
Numeric Cholval3 (F2.1).
compute Cholval3 = cholval2.
if cholflag3 = 1 Cholval3 = -1.
exe.
variable labels  Cholval3  "(D) Valid Total Cholesterol Result mmol/L (sample received after 16th June)".
add value labels  Cholval3  -1 "Not applicable".
```

CHOLVAL13: (D) Valid Total Cholesterol Result mmol/L (incl those on LLD) (sample received after 16th June)

SPSS Syntax

```
Numeric Cholval13 (F2.1).
compute Cholval13 =  cholval12.
if cholflag3 = 1 cholval13 = -1.
variable labels  Cholval13  "(D) Valid Total Cholesterol Result mmol/L (incl those on LLD) (sample received after 16th June)".
add value labels  Cholval13  -1 "Not applicable".
```

CHOLFOUR3: (D) Whether Total Cholesterol < 4 (incl those on LLD) {revised} (sample received after 16th June)

```
        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) {revised} (sample received after 16th June)".
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) {revised} (sample received after 16th June)

```
        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) {revised} (sample received after 16th June)".
add value labels  Cholfive3   -1 "Not applicable" 1.00 "<5.0" 2.00 ">=5.0".
```

HDLVAL3: (D) Valid HDL Cholesterol Result mmol/L (sample received after 16th June)

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  (sample received after 16th June)".
add value labels Hdlval3 -1 "Not applicable".
```

HDLVAL13: (D) Valid HDL Cholesterol Result mmol/L (incl those on LLD) (sample received after 16th June)

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)  (sample received after 16th June)".
add value labels Hdlval13 -1 "Not applicable".
```

HDLONE3: (D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised} (sample received after 16th June)

```
       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) {revised} (sample received
after 16th June)".
add value labels Hdlone3 -1 "Not applicable" 1.00 "<1" 2.00 ">=1".
```

GLYHBVALA: (D) Valid Glycated HB Result [adjusted to be 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.
```

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

SPSS Syntax

```
Numeric Cholval1a  (F2.1).
compute Cholval1a  = -99.
if cholflag3 = 1 Cholval1a  = (cholval12 -0.1).
if cholflag3 = 2 Cholval1a  = cholval13.
if cholok2 gt 2 cholval1a = -1.
exe.
variable labels Cholval1a "(D) Valid Total Cholesterol Result mmol/L (incl those on LLD) (later results
adjusted to be comparable with pre-2010 results)".
add value labels Cholval1a
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
```

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

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

SPSS Syntax

```
Numeric Cholfoura (F8.2).
COMPUTE cholfoura=cholval1a.
If cholval1a>=4.0 cholfoura=2.
if cholval1a>0 & cholval1a 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} (later results
adjusted to be comparable with pre-2010 results)".
```

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

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

SPSS Syntax

```
Numeric  Cholfivea  (F8.2).
compute  Cholfivea  = cholval1a.
if cholval1a>=5.0 cholfivea=2.
if cholval1a>0 & cholval1a<5.0 cholfivea = 1.
exe.
variable labels  Cholfivea "(D) Whether Total Cholesterol < 5 (incl those on LLD) {revised} (later results
adjusted to be 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 (later results adjusted to be comparable with pre-2010 results)

SPSS Syntax

```
Numeric Hdlvala (F2.1).
compute Hdlvala = -99.
if cholflag3 = 1 Hdlvala = hdlval2+0.1.
if cholflag3 = 2 Hdlvala = hdlval3+0.2.
if hdlok2 ge 2  hdlvala = -1.
exe.

* code in missings
EXECUTE.
variable labels Hdlvala "(D) Valid HDL Cholesterol Result mmol/L (later results adjusted to be 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) (later results adjusted to be comparable with pre-2010 results)

SPSS Syntax

```
Numeric Hdlval1a (F2.1).
compute Hdlval1a = -99.
if cholflag3 = 1  Hdlval1a = hdlval12+0.1.
if cholflag3 = 2  Hdlval1a = hdlval13+0.2.
if hdlok2 gt 2 hdlval1a = -1.
EXECUTE.
variable labels Hdlval1a "(D) Valid HDL Cholesterol Result mmol/L (incl those on LLD) (later results
adjusted to be comparable with pre-2010 results)".
add value labels Hdlval1a
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".

fre hdlval1a.
```

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

```
1    <1.0
2    >1.0
```

SPSS Syntax

```
Numeric Hdlonea (F2.1).
compute Hdlonea = -99.
if hdlval1a>=1 hdlonea=2.
if hdlval1a>0 and hdlval1a<1 hdlonea=1.
IF HDLVAL1A = -1 HDLONEA= -1.
VALUE LABELS hdlonea
 1 "<1"
 2 ">=1"
-1 "Not applicable".
EXECUTE.
variable labels Hdlonea "(D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised} (later
results adjusted to be 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".
tables
/tables glyhbval2 by glyhbok.

fre glyhbval2.
```

GLYHBVAL3G2: (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.
formats iffcval2 (F2.1).
Variable labels iffcval2 "(D) Valid Glycated haemoglobin result in mmol/ml (IFFC)".
add value labels iffcval2 -1 "Item not appliable".
```

GLYHB3GA: (D) Glycated haemoglobin 3 groups (later results 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

```
numeric Glyhb3ga (f8.2).
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 (later results 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 (later results 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 (later results 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) (later results adjusted to be comparable with pre-September 2013)

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 respbps (1=1)(2,3=4)(4,5,6=6)(-9 thru -1=COPY) into bprespc.
IF ANY(full1,2,-8,-9) | ANY(full2,2,-8,-9) | ANY(full3,2,-8,-9) bprespc=4.
IF (respbps = 1 & any(1,consbx11,consbx12,consbx13,consbx14)) bprespc= 2.
IF (respbps = 1 & ANY(-9,consbx11,consbx12,consbx13,consbx14)) bprespc= 3.
IF (respbps = 1 & any(1,consu2x1,consu2x4)) bprespc= 2.
IF (respbps = 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 oaf need for the Dinamap conversions, these variables have not been in the HSE2012 data.

OMDIAST: (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 = omdiast omsyst ommap ompuls.
RECODE respbps (lo thru 0=COPY)(4 thru 6=-7)(2 thru 3=-9) INTO ommeas.
END REPEAT.
DO IF (respbps = 1).
COMPUTE omdiast = (dias2om + dias3om)/2.
COMPUTE omsyst = (sys2om + sys3om)/2.
```

```
COMPUTE ommap = (map2om + map3om)/2.
COMPUTE ompuls = omsyst-omdiast.
END IF.
VARIABLE LABELS omdiast "(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 omdiaval=omdiast.
COMPUTE omsysval=omsyst.
COMPUTE ommapval=ommap.
COMPUTE ompulval=ompuls.
END IF.
VARIABLE LABELS omdiaval "(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 | omdiast>=95) hyper1om2=3.
IF ANY(bpmedd2,0,-1) & (omsyst>=160 | omdiast>=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 | omdiast>=95) hyper2om2=3.
IF ANY(bpmedc2,0,-1) & (omsyst>=160 | omdiast>=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 | omdiast>=90) hy140om2=3.
IF ANY(bpmedd2,0,-1) & (omsyst>=140 |  omdiast>=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 hyper1om2 (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp1om2.
VARIABLE LABELS hibp1om2 "(D) Whether hypertensive: all prescribed drugs for BP (Omron readings)
{revised}".
VALUE LABELS hibp1om2
  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)
    1   BP under 160/100 and/or taking medication
    2   BP 160/100 or above and not taking medication

SPSS syntax

```
recode hy140om2 (1 thru 3 = 1) (4=2) (else = copy) into hbp160om2.
```

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

Drinking

Adults General

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

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

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

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

1   No
2   Yes

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

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

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

Adults 7 Days[1]

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 (wgls250ml>0) d7unitwg=d7unitwg+wgls250ml*3.0.
IF (wgls175ml>0) d7unitwg=d7unitwg+wgls175ml*2.0.
IF (wgls125ml>0) d7unitwg=d7unitwg+wgls125ml*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,
  wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7,popsqlg7) d7unitwg=-9.
IF ANY(-8,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
  sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
  wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7,popsqlg7) d7unitwg=-8.
IF ANY(-6,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
  sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
  wgls250ml,wgls175ml,wgls125ml,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

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

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

SPSS Syntax

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

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

SPSS Syntax

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

D7SPIRU: (D) Units of spirits on heaviest day

SPSS Syntax

```
NUMERIC d7spiru (F2.1).
compute d7spiru=0 .
IF (spirqme7>0) d7spiru=spirqme7.
```

```
if d7unitwg<= 0 d7spiru = d7unitwg .
VARIABLE LABELS d7spiru "(D) Units of spirits on heaviest day".
```

D7WINU: (D) Units of wine on heaviest day

SPSS Syntax

```
NUMERIC d7winu (F2.1).
compute d7winu=0 .
IF (wgls250ml>0) d7winu=d7winu+wgls250ml*3.0.
IF (wgls175ml>0) d7winu=d7winu+wgls175ml*2.0.
IF (wgls125ml>0) d7winu=d7winu+wgls125ml*1.5.
IF (wbtlgz>0) d7winu=d7winu+wbtlgz*1.5.
if d7unitwg<= 0 d7winu = d7unitwg .
VARIABLE LABELS d7winu" (D) Units of wine on heaviest day".
```

D7SHERU: (D) Units of sherry on heaviest day

SPSS Syntax

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

D7POPU: (D) Units of alcopops on heaviest day

SPSS Syntax

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

Adult 12 months

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

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

SPSS Syntax

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

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

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

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

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

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

exe.

COMPUTE nbeerwu=0.
*CAPI variables .
if (nbeerm1 > 0) nbeerwu=nbeerwu+(xnbeer*nbeerq1).
if (nbeerm2 > 0) nbeerwu=nbeerwu+(xnbeer*nbeerq2*1.5).
if (nbeerm3 > 0) nbeerwu=nbeerwu+(xnbeer*nbeerq3*2).
if (nbeerm4 > 0) nbeerwu=nbeerwu+(xnbeer*nbeerq4*1.5).
*self-comp variables .
if (scnbeeq1 > 0) nbeerwu=nbeerwu+(xnbeer*scnbeeq1).
if (scnbeeq2 > 0) nbeerwu=nbeerwu+(xnbeer*scnbeeq2*1.5).
if (scnbeeq3 > 0) nbeerwu=nbeerwu+(xnbeer*scnbeeq3*2).
formats nbeerwu (F2.1).
exe.
fre nbeerwu.

* strong beer.

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

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



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

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

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

```
exe.
fre winewu.

COMPUTE popswu=0.
*CAPI variables .
if (popsly11>0) popswu=popswu+(xpops*popsq111*1.5).
if (popsly12>0) popswu=popswu+(xpops*popsq112*1.5).
if (popsly13>0) popswu=popswu+(xpops*popsq113*3).
*self-comp variables .
if (scpopsq1>0) popswu=popswu+(xpops*scpopsq1*3).
if (scpopsq2>0) popswu=popswu+(xpops*scpopsq2*1.5).
if (scpopsq3>0) popswu=popswu+(xpops*scpopsq3*1.5).
formats popswu (f2.1).
exe.
format nbeerwu sbeerwu spirwu sherwu winewu popswu (F3.2).
VARIABLE LABELS
    nbeerwu "(D) Units of normal beer/week"
    sbeerwu "(D) Units of strong beer/week"
    spirwu "(D) Units of spirits/week"
    sherwu "(D) Units of sherry/week"
    winewu "(D) Units of wine/week"
    popswu "(D) Units of alcopops/week".
exe.

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

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

SPSS Syntax

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

TOTALWUG: (D) Total units of alcohol per week grouped
         0   None drinker/ not in last 12 months
         1   Non-zero, but under 1
         2   1-7
         3   Over 7-10
         4   Over 10-14
         5   Over 14-21
         6   Over 21-28
         7   Over 28-35
         8   Over 35-50
         9   Over 50

SPSS Syntax

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

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

TOTALWUG215: (D) Alcohol units per week - risk groups (new 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 (new 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 – new 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

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'

```
DO IF (sex=1).
RECODE alcbase (1=1)(2=2)(3 thru 4=3)(5=4)(6 thru 7=5)(8 thru 10=6)
  (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 - new 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 – new 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 – new 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 – new 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 'Refuse'  1 'None/Up to 14 units'  2 '14-35'  3 'More than 35 units'.
```

Children 8-15

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

    1   Yes
    2   No

SPSS Syntax

```
compute aevdrink = adrprop.
IF adrpops = 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

ADRKWQ08[3]: (D) Total units of alcohol in last 7 days (13-15yrs)

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

SPSS Syntax

```
exe. COMPUTE adrkwq08= 0 .
RECODE adrlast(-2=-2)(-9=-1)(-6=-6) INTO adrkwq08.
IF age>15 or age<13 adrkwq08=-2.
IF (aber2w=-9 & aspirw=-9 & asherw=-9 & awinew=-9 & apopsw=-9) adrkwq08=-9.
IF (aber2w=-2 & aspirw=-2 & asherw=-2 & awinew=-2 & apopsw=-2) adrkwq08=-2.
IF (adrlast=-1 and adrprop=-9 and (age>=13 and age<=15)) adrkwq08=-9.
IF (aber2w = 1 & xxber2q2 > 0) adrkwq08= adrkwq08+ xxber2q2 .
IF (aspirw = 1 & xxspirq > 0) adrkwq08= adrkwq08+ xxspirq .
IF (asherw = 1 & xxsherq > 0) adrkwq08= adrkwq08+ xxsherq .
IF (awinew = 1 & xxwineq> 0) adrkwq08= adrkwq08+ xxwineq.
IF (apopsw = 1 & xxpopsq2 > 0) adrkwq08= adrkwq08+ xxpopsq2 .
VARIABLE LABELS adrkwq08 "(D) Total units of alcohol in last 7 days (13-15yrs)".
formats adrkwq08 (F2.1).
add value labels adrkwq08 -2 'Schedule not applicable (aged<13 or >15)'.
```

ADRKWQ08G[3]: (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 adrkwq08 ().
Compute adrkwq08g=adrkwq08.
IF adrkwq08>0 and adrkwq08<1 adrkwq08g=1.
IF adrkwq08>=1 and adrkwq08<2 adrkwq08g=2.
IF adrkwq08>=2 and adrkwq08<4 adrkwq08g=3.
IF adrkwq08>=4 and adrkwq08<6 adrkwq08g=4.
IF adrkwq08>=6 and adrkwq08<10 adrkwq08g=5.
IF adrkwq08>=10 and adrkwq08<15 adrkwq08g=6.
IF adrkwq08>=15 adrkwq08g=7.
IF adrkwq08<0 adrkwq08g=adrkwq08.
var lab adrkwq08g "(D) Total units of alcohol in last 7 days - grouped (13-15yrs)".
val lab adrkwq08g
-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 (13-15)
ASPIRWC: (D) Drunk spirits in last 7 days - inc. non-drinkers (13-15)
ASHERWC: (D) Drunk sherry in last 7 days - inc. non-drinkers (13-15)
AWINEWC: (D) Drunk wine in last 7 days - inc. non-drinkers (13-15)
APOPSWC: (D) Drunk alcopops in last 7 days - inc. non-drinkers (13-15)

    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 (13-15)"
  /aspirwc "(D) Drunk spirits in last 7 days - inc. non-drinkers (13-15)"
  /asherwc "(D) Drunk sherry in last 7 days - inc. non-drinkers (13-15)"
  /awinewc "(D) Drunk wine in last 7 days - inc. non-drinkers (13-15)"
  /apopswc "(D) Drunk alcopops in last 7 days - inc. non-drinkers (13-15)".
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 porfrt=porlge+porsml+poroth.
IF ANY(frt,-9,-8) porfrt=-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 fruit[4]

SPSS Syntax

```
COMPUTE porfroz=0.
IF (frtfrz15=1 & frtfrzq15>0) porfrz15=frtfrzq15/3.
IF ANY(frtfrz15,-9,-8) | ANY(frtfrzq15,-9,-8) porfrz15=-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+porfrt+pordry+porfrz15+porfdish.
IF porjuice=-9 & pordry=-9 & porfrz15=-9 & porfdish=-9 & porfrt=-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"
  1 "Less than 1 portion"
```

---

[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

```
  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

```
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 5+

    0   None
    1   Less than 1
    2   1 portion or more but less than 2
    3   2 portions or more but less then 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".
```

PORFTVG15_5: (D) Grouped portions of fruit (inc.orange juice) & veg yesterday, 5+

SPSS Syntax

```
numeric  porftvg15_5 (F2).
recode porftvg15 (6 thru 9 = 6) (else = copy) into porftvg15_5.
variable labels porftvg15_5 "(D) Grouped portions of fruit (inc.orange juice) & veg yesterday, 5+".
add value labels porftvg15_5
0 "None"
1 "Less than 1 portion"
2 "1 portion or more but less than 2"
3 "2 portions or more but less than 3"
4 "3 portions or more but less than 4"
5 "4 portions or more but less than 5"
6 "5 portions or more"
-9 "Refused/ not answered"
-1 "Not applicable".
```

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 activites 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 activites 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

     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.
```

Problem Gambling

DSM1: (D) Answer to DSM item 1 (version iv DSM)
DSM2: (D) Answer to DSM item 2 (version iv DSM)
DSM3: (D) Answer to DSM item 3 (version iv DSM)
DSM4: (D) Answer to DSM item 4 (version iv DSM)
DSM5: (D) Answer to DSM item 5 (version iv DSM)
DSM6: (D) Answer to DSM item 6 (version iv DSM)
DSM7: (D) Answer to DSM item 7 (version iv DSM)
DSM8: (D) Answer to DSM item 8 (version iv DSM)
DSM9: (D) Answer to DSM item 9 (version iv DSM)
DSM10: (D) Answer to DSM item 10 (version iv DSM)
> 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)

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".

```
   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 dsm1a.
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 dsm10a.
ELSE.
do repeat xxx=dsm1a 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 pgsi1x=pgsi1.
compute pgsi2x=pgsi2.
compute pgsi3x=pgsi3.
compute pgsi4x=pgsi4.
compute pgsi5x=pgsi5.
compute pgsi6x=pgsi6.
compute pgsi7x=pgsi7.
compute pgsi8x=pgsi8.
```

```
compute pgsi9x=pgsi9.
exe.
count jjj=pgsi1x pgsi2x pgsi3x pgsi4x pgsi5x pgsi6x pgsi7x pgsi8x pgsi9x (-9).
do if jjj<=4.
do repeat mmm= pgsi1x to pgsi9x.
if mmm=-9 mmm=0.
Compute totpgssc = sum (pgsi1x to pgsi9x).
end repeat.
else if jjj>4.
do repeat nnn= pgsi1x to pgsi9x.
if nnn=-9 nnn=0.
Compute totpgssca = sum (pgsi1x 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) 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'.
```

General Wellbeing

WEMWBS: (D) WEMWBS Score

SPSS Syntax

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

WEMWBSQ: (D) WEMWBS score - quintiles

1 14 to 42
2 43 to 48
3 49 to 52
4 53 to 56
5 57 to 70

SPSS Syntax
```
* turn missing values on to exclude the missings


FRE WEMWBS.

* lowest value is 14 thru 70

Missing values wemwbs (-99 thru -1).

RANK VARIABLES=wemwbs (A)
  /NTILES(5)
```

```
   /PRINT=YES
   /TIES=MEAN.

FRE Nwemwbs.

TABLES
/TABLE WEMWBS BY NWEMWBS.

* now turn off missing values and recode based on ranking (nb: the missing values aren't included in the
rank numbers)

missing values all ().

Numeric WemwbsQ (f3).
Recode wemwbs (lo thru -1 = copy) (0 thru 42 = 1) (43 thru 48 = 2) (49 thru 52 = 3) (53 thru 56 = 4) (57
thru 70 = 5) into WemwbsQ.
VALUE LABELS  WemwbsQ
1 "14 to 42"
2 "43 to 48"
3 "49 to 52"
4 "53 to 56"
5 "57 to 70"
-9 "Refused"
-8 "Don't know"
-1 "Not applicable".

variable labels WemWbsQ "(D) Wemwbs score - quintiles".
```

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)".
```

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.
VARIABLE LABELS ghq12scr "(D) GHQ Score - 12 point scale".
add value labels ghq12scr
   -9 "Refused"    -8 "Don't know"    -1 "Not applicable".
```

GHQg2

> 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+)".
VALUE LABELS ghqg2    -9 "Refused"    -8 "Don't know"    -1 "Not applicable"    1 'Score 0'
   2 'Score 1-3'    3 'Score 4+'.
```

GHQ: (D) GHQ binary
     0 Score 0-3
     1 Score 4

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 GHQ
0 "Score 0-3"
1 "Score 4"
-1 "Not applicable"
-99 "No score available".
```

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

High Blood Pressure

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

    1 Yes
    2 No

SPSS Syntax

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

Long Lasting Illness

LIMLAST: (D) Limiting longstanding illness

    1 'Limiting longlasting illness'
    2 'Non limiting longlasting illness'

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

COMPLST1: (D) II Neoplasms & benign growths
COMPLST2: (D) III Endocrine & metabolic
COMPLST3: (D) V Mental disorders
COMPLST4: (D) VI Nervous System
COMPLST5: (D) VI Eye complaints
COMPLST6: (D) VI Ear complaints
COMPLST7: (D) VII Heart & circulatory system
COMPLST8: (D) VIII Respiratory system
COMPLST9: (D) IX Digestive system
COMPLST10: (D) X Genito-urinary system
COMPLST11: (D) XII Skin complaints
COMPLST12: (D) XIII Musculoskeletal system
COMPLST13: (D) I Infectious Disease
COMPLST14: (D) IV Blood & related organs
COMPLST15: (D) Other complaints
COMPLST17: (D) No long-standing illness
COMPLST18: (D) No longer present
COMPLST99: (D) Unclass/NLP/inadeq.describe

    0 No condition present
    1 Has condition

All variables in the COMPLST series have the same value labels

SPSS Syntax

```
DO REPEAT xcompl=complst1 complst2 complst3 complst4 complst5 complst6 complst7 complst8
 complst9 complst10 complst11 complst12 complst13 complst14 complst15 complst17 complst18.
COMPUTE xcompl=0.
IF Ill12m<0 xcompl=-9.
END REPEAT.
DO REPEAT xill12=Ill12M1 Ill12M2 Ill12M3 Ill12M4 Ill12M5 Ill12M6.
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 (Ill12m=1 & xill12=42) complst18 = 1 .
END REPEAT.
IF (Ill12m = 2) complst17 = 1.
COMPUTE complst99 = 0 .
IF (Ill12m = 1 & ANY(ill12m1,41,42,-1,-8,-9)) complst99 = 1 .
IF (Ill12m<0) complst99 = -9.
VARIABLE LABELS complst1 '(D) II Neoplasms & benign growths'
 /complst2 '(D) III Endocrine & metabolic'
 /complst3 '(D) V Mental disorders'
 /complst4 '(D) VI Nervous system'
 /complst5 '(D) VI Eye complaints'
 /complst6 '(D) VI Ear complaints'
 /complst7 '(D) VII Heart & circulatory system'
 /complst8 '(D) VIII Respiratory system'
 /complst9 '(D) IX Digestive system'
 /complst10 '(D) X Genito-urinary system'
 /complst11 '(D) XII Skin complaints'
 /complst12 '(D) XIII Musculoskeletal system'
 /complst13 '(D) I Infectious disease'
 /complst14 '(D) IV Blood & related organs'
 /complst15 '(D) Other complaints'
 /complst17 "(D) No longlasting illness"
 /complst18 "(D) No longer present"
 /complst99 "(D) Unclass/NLP/inadeq.describe" .
VALUE LABELS complst1 TO complst99
  0 'No condition present'
  1 'Has condition'.
RECODE complst1 TO complst15
```

CONDLCNT: (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'.
```

CONDLCNT2: (D) Number of grouped conditions - 4 plus

    0   No LS illness
    4   4 or more

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

ILLMORE1: (D) Number of longstanding illnesses grouped

    0   No longstanding illnesses
    1   One longstanding illness
    2   Two or more longstanding illnesses

SPSS Syntax

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

Prescribed Medicines: Drugs affecting blood analytes

DIUR2: (D) Diuretics (Blood pressure)
BETA2: (D) Beta blockers (Blood pressure/Fibrinogen)
ACEINH2: (D) Ace inhibitors (Blood pressure) {revised}
CALCIUMB2: (D) Calcium blockers (Blood pressure) {revised}
OBPDRUG2: (D) Other drugs affecting BP {revised}
LIPID2: (D) Lipid lowering (Cholesterol/Fibrinogen) – prescribed {revised}
IRON2: (D) Iron deficiency (Haemoglobin/Ferritin) {revised}
BPMEDC2: (D) Whether taking drugs affecting blood pressure {revised}
BPMEDD2: (D) Whether taking drugs prescribed for blood pressure {revised}
ANTIPLAM2: (D) Antiplatlets prescribed (binary)
ANALGM2: (D) Analgesics prescribed (binary)
PROTONM2: (D) Proton pump inhibitors prescribed (binary)
ANTIDEPM2: (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

```
NUMERIC diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmedc2 bpmedd2 AntiPlaM2 AnalgM2 ProtonM2
AntidepM2 COPDM2 AntidiabM2 AntibacM2 (F3.0).
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) Antiplatlets prescribed (binary)".
VARIABLE LABELS AnalgM2 "(D) Analgesics prescribed (binary)".
VARIABLE LABELS ProtonM2 "(D) Proton pump inhibitors prescribed (binary)".
VARIABLE LABELS AntiDepM2 "(D) Antidepressants prescribed (binary)".
VARIABLE LABELS COPDM2 "(D) Asthma or COPD  prescribed (binary)".
VARIABLE LABELS AntiDiabM2 "(D) Antidiabetic prescribed (binary)".
VARIABLE LABELS AntiBacM2 "(D) Antibacterial medications prescribed (binary)".
VALUE LABELS diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmedc2 bpmedd2 AntiPlaM2 AnalgM2
ProtonM2 AntidepM2 COPDM2 AntidiabM2 AntibacM2
    0 'Not taking drug'
    1 'Taking drug'..
```

Prescribed Medicines: General

MEDCNJ: (D) Whether taking medication - excluding contraceptives only
>   1   Yes
>   2   No
>   3   Yes, but unable to code as name of drug(s) not available

SPSS Syntax

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

MEDTYP1: (D) Cardio-vascular medicine taken?
MEDTYP2: (D) Gastrointestinal medicine taken?
MEDTYP3: (D) Respiratory medicine taken?
MEDTYP4: (D) CNS medicine taken?
MEDTYP5: (D) Medicine for infection taken?
MEDTYP6: (D) Endocrine medicine taken?
MEDTYP7: (D) Gynae/Urinary medicine taken?
MEDTYP8: (D) Cytotoxic medicine taken?
MEDTYP9: (D) Medicine for nutrition/blood taken?
MEDTYP10: (D) Musculoskeletal medicine taken?
MEDTYP11: (D) Eye/Ear etc medicine taken?
MEDTYP12: (D) Medicine for skin taken?
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+) {Revised}

    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

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

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

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

SPSS Syntax

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

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 contaceptives 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 contaceptives 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".
```

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 antiplatlets 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 antiplatlets 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".
```

ANTIBACTAKG2: (D) Any prescribed antibacterial medications taken in last 7 days (binary)
        0 No
        1 Yes,at least one

SPSS Syntax

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

DIURTAKg2: (D) Any prescribed diuretic medications taken in last 7 days (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

```
NUMERIC  DIURTAKg2 (F3).
RECODE DIURTAK (2 THRU HI=1)(ELSE=COPY) INTO DIURTAKg2.
VARIABLE LABELS DIURTAKg2 "(D) Any prescribed diuretic medications taken in last 7 days (binary)".
VALUE LABELS DIURTAKg2
-8 "Don't know"
-1 "Not applicable"
 0 "No"
 1 "Yes,at least one".
```

NSAIDTAKg2: (D) Any prescribed NSAIDs medications taken in last 7 days (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

```
NUMERIC NSAIDTAKg2 (F3.0).
RECODE NSAIDTAK (2 THRU HI=1)(ELSE=COPY) INTO NSAIDTAKg2.
VARIABLE LABELS NSAIDTAKg2 "(D) Any prescribed NSAIDs medications taken in last 7 days (binary)".
VALUE LABELS NSAIDTAKg2
-8 "Don't know"
-1 "Not applicable"
 0 "No"
 1 "Yes,at least one".
```

ACETAKg2: (D) Any prescribed ACE medications taken in last 7 days (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

```
NUMERIC ACETAKg2 (F3.0).
RECODE ACETAK (2 THRU HI=1)(ELSE=COPY) INTO ACETAKg2.
VARIABLE LABELS ACETAKg2 "(D) Any prescribed ACE medications taken in last 7 days (binary)".
VALUE LABELS ACETAKg2
-8 "Don't know"
-1 "Not applicable"
 0 "No"
 1 "Yes,at least one".
```

METFORTAKg2: (D) Any prescribed Metformin medications taken in last 7 days (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

```
NUMERIC METFORTAKg2 (F3.0).
RECODE METFORTAK (2 THRU HI=1)(ELSE=COPY) INTO METFORTAKg2.
VARIABLE LABELS METFORTAKg2 "(D) Any prescribed Metformin medications taken in last 7 days (binary)".
VALUE LABELS METFORTAKg2
-8 "Don't know" -1 "Not applicable"   0 "No"  1 "Yes,at least one".
```

ANTIPSYTAKg2: (D) Any prescribed Antipsychotic medications taken in last 7 days (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

```
NUMERIC ANTIPSYTAKg2 (F3.0).
RECODE ANTIPSYTAK (2 THRU HI=1)(ELSE=COPY) INTO ANTIPSYTAKg2.
VARIABLE LABELS ANTIPSYTAKg2 "(D) Any prescribed Antipsychotic medications taken in last 7 days (binary)".
VALUE LABELS ANTIPSYTAKg2
-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 antiHyperAtensives 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 antiHyperAtensives 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".
```

Self-Assessed Health

GENHELF2: (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'.
```

GENHELF4: (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".
```

Kidney and Liver Disease

EGFRGP16: (D) eGFR (based on serum creatinine) in 4 categories

    1 SCReGFR >=90
    2 SCReGFR <90 & SCReGFR>=60
    3 SCReGFR <60 & SCReGFR>=30
    4 SCReGFR <30 and SCReGFR>=0

SPSS Syntax

```
compute eGFRgp16=9.
IF SCReGFR >=90 eGFRgp16=1.
```

```
IF SCReGFR <90 and SCReGFR>=60 eGFRgp16=2.
IF SCReGFR <60 and SCReGFR>=30 eGFRgp16=3.
IF SCReGFR <30 and SCReGFR>=0 eGFRgp16=4.
IF SCReGFR <0 eGFRgp16=SCReGFR.
VARIABLE LABELS eGFRgp16 "(D) eGFR (based on serum creatinine) in 4 categories" .
VALUE LABELS eGFRgp16
  -2 "Schedule not applicable"
  -1 "Item not applicable"
  1 "SCReGFR >=90"
  2 "SCReGFR <90 & SCReGFR>=60"
  3 "SCReGFR <60 & SCReGFR>=30"
  4 "SCReGFR <30 and SCReGFR>=0".
exe.
```

eGFRgp16g: (D) eGFR (based on serum creatinine) in 3 categories

> 1 "SCReGFR >=90"
> 2 "SCReGFR <90 & SCReGFR>=60"
> 3 "SCReGFR <60 & SCReGFR>=0".

SPSS Syntax

```
Numeric eGFRgp16g (F2).
recode eGFRgp16 (4=3) (else = copy) into eGFRgp16g.
variable labels eGFRgp16g "(D) eGFR (based on serum creatinine) in 3 categories".
add value labels eGFRgp16g
 -1 "Item not applicable"
1 "SCReGFR >=90"
2 "SCReGFR <90 & SCReGFR>=60"
3 "SCReGFR <60 & SCReGFR>=0".
```

ALBCRE16S: (D) Urinary albumin excretion grouped

> 1 Normal
> 2 Micro-albuminuria
> 3 Macro-albuminuria

SPSS Syntax

```
compute albcre16=9.
IF sex=1 and ACR>=0 and ACR<=2.5 albcre16=1.
IF sex=2 and ACR>=0 and ACR<=3.5 albcre16=1.
IF sex=1 and ACR>2.5 and ACR<=30 albcre16=2.
IF sex=2 and ACR>3.5 and ACR<=30 albcre16=2.
IF ACR>30 albcre16=3.
IF ACR<0 albcre16=ACR.
VARIABLE LABELS albcre16 "(D) Urinary albumin excretion grouped" .
VALUE LABELS albcre16
  -2 'Schedule not applicable'
  -1 'Item not applicable'
  1 'Normal'
  2 'Micro-albuminuria'
  3 'Macro-albuminuria'.
exe.
```

KIDFAIL16S: (D) Chronic disease stage

> 1 Normal: eGFR 90+ ml/min/1.73m2 and normal albuminuria
> 2 Low normal: eGFR >60&<90 ml/min/1.73m2 and normal albuminuria
> 3 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria
> 4 Stage 2: eGFR >60&<90 ml/min/1.73m2 and micro- or macro-albuminuria
> 5 Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and normal albuminuria
> 6 Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and micro- or macro-albuminuria
> 7 Stage 4/5: eGFR <30 ml/min/1.73m2 regardless of albuminuria

KIDFA16GS: (D) Chronic disease stage (grouped)

> 1 Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria
> 2 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria
> 3 Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria
> 4 Stage 3a/3b: eGFR 30-59 ml/min/1.73m2 regardless of albuminuria
> 5 Stage 4/5: eGFR less than 30 ml/min/1.73m2 regardless of albuminuria

SPSS Syntax

```
compute KIDFAIL16S=-99.
IF eGFRgp16=1 and albcre16=1 KIDFAIL16S=1.
IF eGFRgp16=2 and albcre16=1 KIDFAIL16S=2.
IF eGFRgp16=1 and any(albcre16,2,3) KIDFAIL16S=3.
IF eGFRgp16=2 and any(albcre16,2,3) KIDFAIL16S=4.
IF eGFRgp16=3 and albcre16=1 KIDFAIL16S=5.
IF eGFRgp16=3 and any(albcre16,2,3) KIDFAIL16S=6.
IF eGFRgp16=4 KIDFAIL16S=7.
IF eGFRgp16<0 KIDFAIL16S=eGFRgp16.
IF albcre16<0 KIDFAIL16S=albcre16.
VARIABLE LABELS KIDFAIL16S "(D) Chronic disease stage" .
VALUE LABELS KIDFAIL16S
```

```
   -2 'Schedule not applicable'
   -1 'Item not applicable'
    1 'Normal: eGFR 90+ ml/min/1.73m2 and normal albuminuria'
    2 'Low normal: eGFR >60&<90 ml/min/1.73m2 and normal albuminuria'
    3 'Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria'
    4 'Stage 2: eGFR >60&<90 ml/min/1.73m2 and micro- or macro-albuminuria'
    5 'Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and normal albuminuria'
    6 'Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and micro- or macro-albuminuria'
    7 'Stage 4/5: eGFR <30 ml/min/1.73m2 regardless of albuminuria'.
exe.

compute Kidfa16gs=9.
IF eGFRgp16=1 and albcre16=1 Kidfa16gs=1.
IF eGFRgp16=2 and albcre16=1 Kidfa16gs=1.
IF eGFRgp16=1 and any(albcre16,2,3) Kidfa16gs=2.
IF eGFRgp16=2 and any(albcre16,2,3) Kidfa16gs=3.
IF eGFRgp16=3 Kidfa16gs=4.
IF eGFRgp16=4 Kidfa16gs=5.
IF eGFRgp16<0 Kidfa16gs=eGFRgp16.
IF albcre16<0 Kidfa16gs=albcre16.
VARIABLE LABELS Kidfa16gs "(D) Chronic disease stage (grouped)" .
VALUE LABELS Kidfa16gs
   -2 'Schedule not applicable'
   -1 'Item not applicable'
    1 'Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria'
    2 'Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria'
    3 'Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria'
    4 'Stage 3a/3b: eGFR 30-59 ml/min/1.73m2 regardless of albuminuria'
    5 'Stage 4/5: eGFR less than 30 ml/min/1.73m2 regardless of albuminuria'.
```

CREOKB: (D) Response to Creatinine 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 creokb.
if bswill=2 creokb=5.
if cre>0 & creq<0 creokb=1.
variable labels creokb "(D) Response to Creatinine sample".
value labels creokb
 1 "Valid sample"
 2 "Takes drugs affecting sample"
 3 "Sample not obtained, not usable"
 4 "Ineligible"
 5 "Refused".
```

CREVAL: (D) Valid Creatinine Result

SPSS Syntax

```
compute creval=-1.
if creokb=1 creval=cre.
variable labels creval "(D) Valid Creatinine Result".
add value labels creval -1 "Not applicable".
```

ALBGRP16: (D) Urinary albumin excretion grouped: not sex-specific (new NICE)

                    1 Normal
                    2 Micro-albuminuria
                    3 Macro-albuminuria

SPSS Syntax

```
Numeric  Albgrp16 (F3).
compute Albgrp16=-99.
IF ACR>=0 and ACR<3.0 Albgrp16=1.
IF ACR>=3.0 and ACR<=30 Albgrp16=2.
IF ACR>30 Albgrp16=3.
IF ACR<0 Albgrp16 =ACR.
VARIABLE LABELS Albgrp16 "(D) Urinary albumin excretion grouped: not sex-specific (new NICE)" .
VALUE LABELS  Albgrp16
-1 "Not applicable"
1 'Normal'
2 'Micro-albuminuria'
3 'Macro-albuminuria'.
exe.
```

KIDFAI16: (D) Chronic disease stage - using non sex-specific Albuminuria

1 Normal: eGFR 90+ ml/min/1.73m2 and normal albuminuria
2 Low normal: eGFR >60&<90 ml/min/1.73m2 and normal albuminuria
3 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria
4 Stage 2: eGFR >60&<90 ml/min/1.73m2 and micro- or macro-albuminuria
5 Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and normal albuminuria
6 Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and micro- or macro-albuminuria
7 Stage 4/5: eGFR <30 ml/min/1.73m2 regardless of albuminuria

KIDFA16G: (D) Chronic disease stage (grouped) - using non sex-specific Albuminuria

1 Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria
2 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria
3 Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria
4 Stage 3a/3b: eGFR 30-59 ml/min/1.73m2 regardless of albuminuria
5 Stage 4/5: eGFR less than 30 ml/min/1.73m2 regardless of albuminuria

SPSS Syntax

```
compute KidFai16=-99.
IF eGFRgp16=1 and Albgrp16=1 KidFai16=1.
IF eGFRgp16=2 and  Albgrp16=1 KidFai16=2.
IF eGFRgp16=1 and any( Albgrp16,2,3) KidFai16=3.
IF eGFRgp16=2 and any( Albgrp16,2,3) KidFai16=4.
IF eGFRgp16=3 and  Albgrp16=1 KidFai16=5.
IF eGFRgp16=3 and any( Albgrp16,2,3) KidFai16=6.
IF eGFRgp16=4 KidFai16=7.
IF eGFRgp16<0 KidFai16=eGFRgp16.
IF  Albgrp16<0 KidFai16= Albgrp16.
VARIABLE LABELS KidFai16 "(D) Chronic disease stage - using non sex-specific Albuminuria" .
VALUE LABELS KidFai16
  -2 'Schedule not applicable'
  -1 'Item not applicable'
  1 'Normal: eGFR 90+ ml/min/1.73m2 and normal albuminuria'
  2 'Low normal: eGFR >60&<90 ml/min/1.73m2 and normal albuminuria'
  3 'Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria'
  4 'Stage 2: eGFR >60&<90 ml/min/1.73m2 and micro- or macro-albuminuria'
  5 'Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and normal albuminuria'
  6 'Stage 3a/3b: eGFR >30&<60 ml/min/1.73m2 and micro- or macro-albuminuria'
  7 'Stage 4/5: eGFR <30 ml/min/1.73m2 regardless of albuminuria'.
exe.


compute KidFa16g=9.
IF eGFRgp16=1 and albgrp16=1 KidFa16g=1.
IF eGFRgp16=2 and albgrp16=1 KidFa16g=1.
IF eGFRgp16=1 and any(albgrp16,2,3) KidFa16g=2.
IF eGFRgp16=2 and any(albgrp16,2,3) KidFa16g=3.
IF eGFRgp16=3 KidFa16g=4.
IF eGFRgp16=4 KidFa16g=5.
IF eGFRgp16<0 KidFa16g=eGFRgp16.
IF albgrp16<0 KidFa16g=albgrp16.
VARIABLE LABELS KidFa16g "(D) Chronic disease stage (grouped) - using non sex-specific Albuminuria" .
VALUE LABELS KidFa16g
  -2 'Schedule not applicable'
  -1 'Item not applicable'
  1 'Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria'
  2 'Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria'
  3 'Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria'
  4 'Stage 3a/3b: eGFR 30-59 ml/min/1.73m2 regardless of albuminuria'
  5 'Stage 4/5: eGFR less than 30 ml/min/1.73m2 regardless of albuminuria'.
exe.
```

EGFRGPCYSC: (D) eGFR (based on cystatin c) in 4 categories

1 eGFRcysC >=90
2 eGFRcysC<90 & eGFRcysC>=60
3 eGFRcysC <60 & eGFRcysC>=30
4 eGFRcysC<30 and eGFRcysC>=0

SPSS Syntax

```
Numeric eGFRgpcysC (f2).
compute eGFRgpcysC=-99.
if cystceGFR>=90 eGFRgpcysC=1.
if cystceGFR<90 & cystceGFR>=60 eGFRgpcysC=2.
if cystceGFR<60 & cystceGFR>=30 eGFRgpcysC=3.
if cystceGFR<30 & cystceGFR>=0 eGFRgpcysC=4.
if cystceGFR=-1 eGFRgpcysC=-1.
Variable labels eGFRgpcysC  '(D) eGFR (based on cystatin c) in 4 categories'.
Value labels  eGFRgpcysC
-1 "Not applicable"
1 "eGFRcysC >=90"
2 "eGFRcysC<90 & eGFRcysC>=60"
3 "eGFRcysC <60 & eGFRcysC>=30"
4 "eGFRcysC<30 and eGFRcysC>=0".
```

CKDSTAGE: (D) CKD Stage using eGFRcreat AND eGFRcysC, (NICE)

 1 Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria
 2 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria
 3 Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria
 4 Stage 3a/3b: eGFR 30-59 ml/min/1.73m2 regardless of albuminuria
 5 Stage 4/5: eGFR less than 30 ml/min/1.73m2 regardless of albuminuria

CKDSTAGEV2: (D) CKD Stage using eGFRcreat AND eGFRcysC, (NICE), 4 groups

 1.00 Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria
 2.00 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria
 3.00 Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria
 4.00 Stage 3a/3b/4/5: eGFR 0-59 ml/min/1.73m2 regardless of albuminuria

SPSS Syntax

```
compute ckdstage=-99.
IF SCReGFR>=60 AND Albgrp16=1 CKDstage=1.
IF SCReGFR>=90 AND (Albgrp16=2 OR albgrp16=3) CKDstage=2.
IF (SCReGFR>=60 AND SCReGFR<90) AND (Albgrp16=2 OR albgrp16=3) CKDstage=3.
IF SCReGFR>=30 AND SCReGFR<60  AND (Albgrp16>0) CKDstage=4.
IF SCReGFR<30 AND (Albgrp16>0) CKDStage=5.

**Reclassifying participants according to their cystatin c values.

IF (SCReGFR>=45 & SCReGFR<=59 AND Albgrp16=1) AND  cystceGFR>=60 CKDstage=1.
IF (SCReGFR>=45 & SCReGFR<=59 AND Albgrp16=1) AND  cystceGFR<60 & cystceGFR>=30 CKDstage=4.
IF (SCReGFR>=45 & SCReGFR<=59 AND Albgrp16=1) AND  cystceGFR<30  CKDstage=5.
IF SCReGFR =-1 or  Albgrp16 =-1 CKDstage =-1.
freq ckdstage.

Variable labels CKDstage '(D) CKD Stage using eGFRcreat AND eGFRcysC, (NICE)'.
Value labels  CKDstage
-1 "Not applicable"
1 "Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria"
2 "Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria"
3 "Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria"
4 "Stage 3a/3b: eGFR 30-59 ml/min/1.73m2 regardless of albuminuria"
5 "Stage 4/5: eGFR less than 30 ml/min/1.73m2 regardless of albuminuria".


Numeric CKDstagev2 (F2).
compute CKDstagev2 = ckdstage.
recode ckdstagev2 (5=4).
variable labels CKDstagev2 "(D) CKD Stage using eGFRcreat AND eGFRcysC, (NICE), 4 groups".
add value labels ckdstagev2
-1.00 "Not applicable"
1.00 "Normal: eGFR 60+ ml/min/1.73m2 and normal albuminuria"
2.00 "Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria"
3.00 "Stage 2: eGFR 60-89 ml/min/1.73m2 and micro- or macro-albuminuria"
4.00 "Stage 3a/3b/4/5: eGFR 0-59 ml/min/1.73m2 regardless of albuminuria".
```

ASTGP: (D) AST>1.5 x upper limit of normal

 1 <=60IU/L
 2 >60IU/L

SPSS Syntax

```
Numeric ASTgp (F2).
IF AST>=0 AND AST<=60 ASTgp=1.
IF AST>60 ASTgp=2.
IF AST<0 ASTgp=AST.
Variable labels ASTgp '(D) AST>1.5 x upper limit of normal '.
Value labels  ASTgp
-1 "Not applicable"
1 "<=60IU/L"
2 ">60IU/L".
```

Weight Management

WMNowAny: (D) Currently using weight management tool/service

SPSS syntax

```
compute WMNowAny = WMNow96.
if any(1, WMNow1 to WMNow95) WMNowAny = 1.
if WMNow96 = 1 WMNowAny = 2.
var lab WMNowAny "(D) Currently using weight management tool/service".
val lab WMNowAny
-8 "Don't know"
-1 "Not applicable"
1 "Yes"
2 "No" .
```

WMAdvDoc: (D) Advised to use current weight management tool/service by GP/doctor

SPSS syntax

```
Numeric WMAdvDoc (F2).
if any (1, WM_1_adv1, WM_2_adv1, WM_3_adv1, WM_4_adv1, WM_5_adv1, WM_6_adv1, WM_7_adv1) WMAdvDoc = 1.
if WMNowAny = 1 and not any (1, WM_1_adv1, WM_2_adv1, WM_3_adv1, WM_4_adv1, WM_5_adv1, WM_6_adv1,
WM_7_adv1)
and not any(-8, WM_1_adv1, WM_2_adv1, WM_3_adv1, WM_4_adv1, WM_5_adv1, WM_6_adv1, WM_7_adv1)
and not any (-9, WM_1_adv1, WM_2_adv1, WM_3_adv1, WM_4_adv1, WM_5_adv1, WM_6_adv1, WM_7_adv1)
WMAdvDoc = 2.
if any(-8, WM_1_adv1, WM_2_adv1, WM_3_adv1, WM_4_adv1, WM_5_adv1, WM_6_adv1, WM_7_adv1)
or any (-9, WM_1_adv1, WM_2_adv1, WM_3_adv1, WM_4_adv1, WM_5_adv1, WM_6_adv1, WM_7_adv1)
and not any (1, WM_1_adv1, WM_2_adv1, WM_3_adv1, WM_4_adv1, WM_5_adv1, WM_6_adv1, WM_7_adv1) WMAdvDoc = -
8.
if WMNowAny <> 1 WMAdvDoc = -1.
var lab WMAdvDoc "(D) Advised to use current weight management tool/service by GP/doctor".
val lab WMAdvDoc
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WMAdvNur: (D) Advised to use current weight management tool/service by nurse

SPSS syntax

```
Numeric WMAdvNur  (F2).
if any (1, WM_1_adv2, WM_2_adv2, WM_3_adv2, WM_4_adv2, WM_5_adv2, WM_6_adv2, WM_7_adv2) WMAdvNur = 1.
if WMNowAny = 1 and not any (1, WM_1_adv2, WM_2_adv2, WM_3_adv2, WM_4_adv2, WM_5_adv2, WM_6_adv2,
WM_7_adv2)
and not any(-8, WM_1_adv2, WM_2_adv2, WM_3_adv2, WM_4_adv2, WM_5_adv2, WM_6_adv2, WM_7_adv2)
and not any(-9, WM_1_adv2, WM_2_adv2, WM_3_adv2, WM_4_adv2, WM_5_adv2, WM_6_adv2, WM_7_adv2)
WMAdvNur = 2.

if any(-8, WM_1_adv2, WM_2_adv2, WM_3_adv2, WM_4_adv2, WM_5_adv2, WM_6_adv2, WM_7_adv2)
or any(-9, WM_1_adv2, WM_2_adv2, WM_3_adv2, WM_4_adv2, WM_5_adv2, WM_6_adv2, WM_7_adv2)
and not any (1, WM_1_adv2, WM_2_adv2, WM_3_adv2, WM_4_adv2, WM_5_adv2, WM_6_adv2, WM_7_adv2) WMAdvNur = -
8.
if WMNowAny <> 1 WMAdvNur = -1.
var lab WMAdvNur "(D) Advised to use current weight management tool/service by nurse".
val lab WMAdvNur  -8 "Don't know/Refusal"  -1 "Not applicable" 1 "Yes" 2 "No" .
```

WMAdvDie: (D) Advised to use current weight management tool/service by dietician

SPSS syntax

```
Numeric WMAdvDie (f2).
if any (1, WM_1_adv3, WM_2_adv3, WM_3_adv3, WM_4_adv3, WM_5_adv3, WM_6_adv3, WM_7_adv3) WMAdvDie = 1.
if WMNowAny = 1 and not any (1, WM_1_adv3, WM_2_adv3, WM_3_adv3, WM_4_adv3, WM_5_adv3, WM_6_adv3,
WM_7_adv3)
and not any(-8, WM_1_adv3, WM_2_adv3, WM_3_adv3, WM_4_adv3, WM_5_adv3, WM_6_adv3, WM_7_adv3)
and not any(-9, WM_1_adv3, WM_2_adv3, WM_3_adv3, WM_4_adv3, WM_5_adv3, WM_6_adv3, WM_7_adv3)
WMAdvDie = 2.
if any(-8, WM_1_adv3, WM_2_adv3, WM_3_adv3, WM_4_adv3, WM_5_adv3, WM_6_adv3, WM_7_adv3)
or any(-9, WM_1_adv3, WM_2_adv3, WM_3_adv3, WM_4_adv3, WM_5_adv3, WM_6_adv3, WM_7_adv3)
and not any (1, WM_1_adv3, WM_2_adv3, WM_3_adv3, WM_4_adv3, WM_5_adv3, WM_6_adv3, WM_7_adv3)
WMAdvDie = -8.
if WMNowAny <> 1 WMAdvDie = -1.
var lab WMAdvDie "(D) Advised to use current weight management tool/service by dietician".
val lab WMAdvDie
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"  2 "No".
```

WMAdvOHP: (D) Advised to use current weight management tool/service by other health professional

```
SPSS syntax

Numeric WMAdvOHP (F2).
if any (1, WM_1_adv4, WM_2_adv4, WM_3_adv4, WM_4_adv4, WM_5_adv4, WM_6_adv4, WM_7_adv4,
WM_1_adv95, WM_2_adv95, WM_3_adv95, WM_4_adv95, WM_5_adv95, WM_6_adv95, WM_7_adv95) WMAdvOHP = 1.
if  WMNowAny = 1 and not any (1, WM_1_adv4, WM_2_adv4, WM_3_adv4, WM_4_adv4, WM_5_adv4, WM_6_adv4,
WM_7_adv4,
WM_1_adv95, WM_2_adv95, WM_3_adv95, WM_4_adv95, WM_5_adv95, WM_6_adv95, WM_7_adv95)
and not any (-8, WM_1_adv4, WM_2_adv4, WM_3_adv4, WM_4_adv4, WM_5_adv4, WM_6_adv4, WM_7_adv4,
WM_1_adv95, WM_2_adv95, WM_3_adv95, WM_4_adv95, WM_5_adv95, WM_6_adv95, WM_7_adv95)
and not any (-9, WM_1_adv4, WM_2_adv4, WM_3_adv4, WM_4_adv4, WM_5_adv4, WM_6_adv4, WM_7_adv4,
WM_1_adv95, WM_2_adv95, WM_3_adv95, WM_4_adv95, WM_5_adv95, WM_6_adv95, WM_7_adv95)
WMAdvOHP = 2.
if any (-8, WM_1_adv4, WM_2_adv4, WM_3_adv4, WM_4_adv4, WM_5_adv4, WM_6_adv4, WM_7_adv4,
WM_1_adv95, WM_2_adv95, WM_3_adv95, WM_4_adv95, WM_5_adv95, WM_6_adv95, WM_7_adv95)
or any (-9, WM_1_adv4, WM_2_adv4, WM_3_adv4, WM_4_adv4, WM_5_adv4, WM_6_adv4, WM_7_adv4,
WM_1_adv95, WM_2_adv95, WM_3_adv95, WM_4_adv95, WM_5_adv95, WM_6_adv95, WM_7_adv95)
WMAdvOHP = -8.
if WMNowAny <> 1 WMAdvOHP = -1.
var lab WMAdvOHP "(D) Advised to use current weight management tool/service by other health professional".
val lab WMAdvOHP
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WMAdvAny: (D) Advised to use current weight management tool/service by medical professional

```
SPSS syntax

Numeric WMAdvAny  (F2).
if any (1, WMAdvDoc, WMAdvNur, WMAdvDie, WMAdvOHP) WMAdvAny = 1.
if WMAdvDoc = 2 AND WMAdvNur =2 AND WMAdvDie = 2 AND WMAdvOHP = 2 WMAdvAny = 2.
if WMAdvDoc = -8 AND WMAdvNur = -8 AND WMAdvDie = -8 AND WMAdvOHP = -8 WMAdvAny = -8.
if any(WMNowAny, -8, -1, 2) WMAdvAny = -1.
var lab WMAdvAny "(D) Advised to use current weight management tool/service by medical professional".
val lab WMAdvAny
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WMWhnHChk: (D) Advised to use current weight management tool/service at NHS health check

```
SPSS syntax

Numeric WMWhnHChk (F2).
if any (1, WM_1_whn1, WM_2_whn1, WM_3_whn1, WM_4_whn1, WM_5_whn1, WM_6_whn1, WM_7_whn1) WMWhnHChk = 1.
if WMNowAny = 1 and not any (1, WM_1_whn1, WM_2_whn1, WM_3_whn1, WM_4_whn1, WM_5_whn1, WM_6_whn1,
WM_7_whn1)
and not any (-8, WM_1_whn1, WM_2_whn1, WM_3_whn1, WM_4_whn1, WM_5_whn1, WM_6_whn1, WM_7_whn1)
and not any (-9, WM_1_whn1, WM_2_whn1, WM_3_whn1, WM_4_whn1, WM_5_whn1, WM_6_whn1, WM_7_whn1)
WMWhnHChk = 2.
if any (-8, WM_1_whn1, WM_2_whn1, WM_3_whn1, WM_4_whn1, WM_5_whn1, WM_6_whn1, WM_7_whn1)
or any (-9, WM_1_whn1, WM_2_whn1, WM_3_whn1, WM_4_whn1, WM_5_whn1, WM_6_whn1, WM_7_whn1)
WMWhnHChk = -8.
if WMNowAny <> 1 WMWhnHChk = -1.
var lab WMWhnHChk "(D) Advised to use current weight management tool/service at NHS health check".
val lab WMWhnHChk
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WMWhnGP: (D) Advised to use current weight management tool/service at GP visit

```
SPSS syntax

Numeric WMWhnGP(F2).
if any (1, WM_1_whn2, WM_2_whn2, WM_3_whn2, WM_4_whn2, WM_5_whn2, WM_6_whn2, WM_7_whn2) WMWhnGP = 1.
if WMNowAny = 1 and not any (1, WM_1_whn2, WM_2_whn2, WM_3_whn2, WM_4_whn2, WM_5_whn2, WM_6_whn2,
WM_7_whn2)
and not any (-8, WM_1_whn2, WM_2_whn2, WM_3_whn2, WM_4_whn2, WM_5_whn2, WM_6_whn2, WM_7_whn2)
and not any (-9, WM_1_whn2, WM_2_whn2, WM_3_whn2, WM_4_whn2, WM_5_whn2, WM_6_whn2, WM_7_whn2)
WMWhnGP = 2.
if any (-8, WM_1_whn2, WM_2_whn2, WM_3_whn2, WM_4_whn2, WM_5_whn2, WM_6_whn2, WM_7_whn2)
or any (-9, WM_1_whn2, WM_2_whn2, WM_3_whn2, WM_4_whn2, WM_5_whn2, WM_6_whn2, WM_7_whn2)
```

```
WMWhnGP = -8.
if WMNowAny <> 1 WMWhnGP = -1.
var lab WMWhnGP "(D) Advised to use current weight management tool/service at GP visit".
val lab WMWhnGP
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WMWhnPrN: (D) Advised to use current weight management tool/service at practice nurse visit

SPSS syntax

```
Numeric WMWhnPrN (f2).
if any (1, WM_1_whn3, WM_2_whn3, WM_3_whn3, WM_4_whn3, WM_5_whn3, WM_6_whn3, WM_7_whn3) WMWhnPrN = 1.
if WMNowAny = 1 and not any (1, WM_1_whn3, WM_2_whn3, WM_3_whn3, WM_4_whn3, WM_5_whn3, WM_6_whn3,
WM_7_whn3)
and not any (-8, WM_1_whn3, WM_2_whn3, WM_3_whn3, WM_4_whn3, WM_5_whn3, WM_6_whn3, WM_7_whn3)
and not any (-8, WM_1_whn3, WM_2_whn3, WM_3_whn3, WM_4_whn3, WM_5_whn3, WM_6_whn3, WM_7_whn3)
WMWhnPrN = 2.
if any (-8, WM_1_whn3, WM_2_whn3, WM_3_whn3, WM_4_whn3, WM_5_whn3, WM_6_whn3, WM_7_whn3)
or any (-9, WM_1_whn3, WM_2_whn3, WM_3_whn3, WM_4_whn3, WM_5_whn3, WM_6_whn3, WM_7_whn3)
WMWhnPrN = -8.
if WMNowAny <> 1 WMWhnPrN = -1.
var lab WMWhnPrN "(D) Advised to use current weight management tool/service at practice nurse visit".
val lab WMWhnPrN
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WMWhnHos: (D) Advised to use current weight management tool/service at hospital visit

SPSS syntax

```
Numeric WMWhnHos  (F2).
if any (1, WM_1_whn4, WM_2_whn4, WM_3_whn4, WM_4_whn4, WM_5_whn4, WM_6_whn4, WM_7_whn4) WMWhnHos = 1.
if WMNowAny = 1 and not any (1, WM_1_whn4, WM_2_whn4, WM_3_whn4, WM_4_whn4, WM_5_whn4, WM_6_whn4,
WM_7_whn4)
and not any (-8, WM_1_whn4, WM_2_whn4, WM_3_whn4, WM_4_whn4, WM_5_whn4, WM_6_whn4, WM_7_whn4)
and not any (-9, WM_1_whn4, WM_2_whn4, WM_3_whn4, WM_4_whn4, WM_5_whn4, WM_6_whn4, WM_7_whn4)
WMWhnHos = 2.
if any (-8, WM_1_whn4, WM_2_whn4, WM_3_whn4, WM_4_whn4, WM_5_whn4, WM_6_whn4, WM_7_whn4)
or any (-9, WM_1_whn4, WM_2_whn4, WM_3_whn4, WM_4_whn4, WM_5_whn4, WM_6_whn4, WM_7_whn4)
WMWhnHos = -8.
if WMNowAny <> 1 WMWhnHos = -1.
var lab WMWhnHos "(D) Advised to use current weight management tool/service at hospital visit".
val lab WMWhnHos
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WMWhnOH: (D) Advised to use current weight management tool/service at other health context

SPSS syntax

```
Numeric WMWhnOH (F2).
if any (1,  WM_1_whn5, WM_2_whn5, WM_3_whn5, WM_4_whn5, WM_5_whn5, WM_6_whn5, WM_7_whn5,
WM_1_whn95, WM_2_whn95, WM_3_whn95, WM_4_whn95, WM_5_whn95, WM_6_whn95, WM_7_whn95) WMWhnOH = 1.
if WMNowAny = 1
 and not any (1, WM_1_whn5, WM_2_whn5, WM_3_whn5, WM_4_whn5, WM_5_whn5, WM_6_whn5, WM_7_whn5,
 WM_1_whn95, WM_2_whn95, WM_3_whn95, WM_4_whn95, WM_5_whn95, WM_6_whn95, WM_7_whn95)
 and not any (-8, WM_1_whn5, WM_2_whn5, WM_3_whn5, WM_4_whn5, WM_5_whn5, WM_6_whn5, WM_7_whn5,
 WM_1_whn95, WM_2_whn95, WM_3_whn95, WM_4_whn95, WM_5_whn95, WM_6_whn95, WM_7_whn95)
 and not any (-9, WM_1_whn5, WM_2_whn5, WM_3_whn5, WM_4_whn5, WM_5_whn5, WM_6_whn5, WM_7_whn5,
 WM_1_whn95, WM_2_whn95, WM_3_whn95, WM_4_whn95, WM_5_whn95, WM_6_whn95, WM_7_whn95)
 WMWhnOH = 2.

if any (-8, WM_1_whn5, WM_2_whn5, WM_3_whn5, WM_4_whn5, WM_5_whn5, WM_6_whn5, WM_7_whn5,
 WM_1_whn95, WM_2_whn95, WM_3_whn95, WM_4_whn95, WM_5_whn95, WM_6_whn95, WM_7_whn95)
or any (-9, WM_1_whn5, WM_2_whn5, WM_3_whn5, WM_4_whn5, WM_5_whn5, WM_6_whn5, WM_7_whn5,
 WM_1_whn95, WM_2_whn95, WM_3_whn95, WM_4_whn95, WM_5_whn95, WM_6_whn95, WM_7_whn95)
WMWhnOH = -8.
if WMNowAny <> 1 WMWhnOH = -1.
var lab WMWhnOH "(D) Advised to use current weight management tool/service at other health context".
val lab WMWhnOH
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12Any: (D) Used any weight management tool/service in last 12 months but not currently

SPSS syntax

```
Numeric WM12Any (F2).
compute WM12Any = WM12_96.
if any (1, WM12_1, WM12_2, WM12_3, WM12_4, WM12_5, WM12_6, WM12_7, WM12_8, WM12_9, WM12_95) WM12Any = 1.
if WM12_96 = 1 WM12Any = 2.
var lab WM12Any "(D) Used any weight management tool/service in last 12 months but not currently".
val lab WM12Any
-9 "Refusal"
-8 "Don't know"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StGL: (D) Stopped using weight management tool/service in last 12 months because reached goal

SPSS syntax

```
Numeric WM12StGL (F2).
if any (1, WM12_1_Stp1, WM12_2_Stp1, WM12_3_Stp1, WM12_4_Stp1, WM12_5_Stp1, WM12_6_Stp1, WM12_7_Stp1)
WM12StGL= 1.
if WM12Any = 1 and not any (1, WM12_1_Stp1, WM12_2_Stp1, WM12_3_Stp1, WM12_4_Stp1, WM12_5_Stp1,
WM12_6_Stp1, WM12_7_Stp1)
and not any (-8, WM12_1_Stp1, WM12_2_Stp1, WM12_3_Stp1, WM12_4_Stp1, WM12_5_Stp1, WM12_6_Stp1,
WM12_7_Stp1)
and not any (-9, WM12_1_Stp1, WM12_2_Stp1, WM12_3_Stp1, WM12_4_Stp1, WM12_5_Stp1, WM12_6_Stp1,
WM12_7_Stp1)
WM12StGL = 2.
if any (-8, WM12_1_Stp1, WM12_2_Stp1, WM12_3_Stp1, WM12_4_Stp1, WM12_5_Stp1, WM12_6_Stp1, WM12_7_Stp1)
or any (-9, WM12_1_Stp1, WM12_2_Stp1, WM12_3_Stp1, WM12_4_Stp1, WM12_5_Stp1, WM12_6_Stp1, WM12_7_Stp1)
WM12StGL= -8.
if WM12Any <> 1 WM12StGL = -1.
var lab WM12StGL "(D) Stopped using weight management tool/service in last 12 months because reached
goal".
val lab WM12StGL
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StLst: (D) Stopped using weight management tool/service in last 12 months because lost motivation/couldn't be bothered

SPSS syntax

```
Numeric WM12StLst (F2).
if any (1, WM12_1_Stp2, WM12_2_Stp2, WM12_3_Stp2, WM12_4_Stp2, WM12_5_Stp2, WM12_6_Stp2, WM12_7_Stp2)
WM12StLst = 1.
if WM12Any = 1 and not any (1, WM12_1_Stp2, WM12_2_Stp2, WM12_3_Stp2, WM12_4_Stp2, WM12_5_Stp2,
WM12_6_Stp2, WM12_7_Stp2)
and not any (-8, WM12_1_Stp2, WM12_2_Stp2, WM12_3_Stp2, WM12_4_Stp2, WM12_5_Stp2, WM12_6_Stp2,
WM12_7_Stp2)
and not any (-9, WM12_1_Stp2, WM12_2_Stp2, WM12_3_Stp2, WM12_4_Stp2, WM12_5_Stp2, WM12_6_Stp2,
WM12_7_Stp2)
WM12StLst = 2.
if any (-8, WM12_1_Stp2, WM12_2_Stp2, WM12_3_Stp2, WM12_4_Stp2, WM12_5_Stp2, WM12_6_Stp2, WM12_7_Stp2)
or any (-9, WM12_1_Stp2, WM12_2_Stp2, WM12_3_Stp2, WM12_4_Stp2, WM12_5_Stp2, WM12_6_Stp2, WM12_7_Stp2)
WM12StLst = -8.
if WM12Any <> 1 WM12StLst = -1.
var lab WM12StLst "(D) Stopped using weight management tool/service in last 12 months because lost
motivation/couldn't be bothered".
val lab WM12StLst
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StFin: (D) Stopped using weight management tool/service in last 12 months for financial reasons

SPSS syntax

```
Numeric WM12StFin (F2).
if any (1, WM12_1_Stp3, WM12_2_Stp3, WM12_3_Stp3, WM12_4_Stp3, WM12_5_Stp3, WM12_6_Stp3, WM12_7_Stp3)
WM12StFin = 1.
if WM12Any = 1 and not any (1, WM12_1_Stp3, WM12_2_Stp3, WM12_3_Stp3, WM12_4_Stp3, WM12_5_Stp3,
WM12_6_Stp3, WM12_7_Stp3)
and not any (-8, WM12_1_Stp3, WM12_2_Stp3, WM12_3_Stp3, WM12_4_Stp3, WM12_5_Stp3, WM12_6_Stp3,
WM12_7_Stp3)
and not any (-9, WM12_1_Stp3, WM12_2_Stp3, WM12_3_Stp3, WM12_4_Stp3, WM12_5_Stp3, WM12_6_Stp3,
WM12_7_Stp3)
```

```
 WM12StFin = 2.
if any (-8, WM12_1_Stp3, WM12_2_Stp3, WM12_3_Stp3, WM12_4_Stp3, WM12_5_Stp3, WM12_6_Stp3, WM12_7_Stp3)
or any (-9, WM12_1_Stp3, WM12_2_Stp3, WM12_3_Stp3, WM12_4_Stp3, WM12_5_Stp3, WM12_6_Stp3, WM12_7_Stp3)
 WM12StFin = -8.
if WM12Any <> 1  WM12StFin = -1.
var lab  WM12StFin "(D) Stopped using weight management tool/service in last 12 months for financial
reasons".
val lab  WM12StFin
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StOff: (D) Stopped using weight management tool/service in last 12 months because wasn't using it

SPSS syntax
```
Numeric WM12StOff  (F2).
if any (1, WM12_1_Stp4, WM12_2_Stp4, WM12_3_Stp4, WM12_4_Stp4, WM12_5_Stp4, WM12_6_Stp4, WM12_7_Stp4)
WM12StOff = 1.
if WM12Any = 1 and not any (1, WM12_1_Stp4, WM12_2_Stp4, WM12_3_Stp4, WM12_4_Stp4, WM12_5_Stp4,
WM12_6_Stp4, WM12_7_Stp4)
and not any (-8, WM12_1_Stp4, WM12_2_Stp4, WM12_3_Stp4, WM12_4_Stp4, WM12_5_Stp4, WM12_6_Stp4,
WM12_7_Stp4)
and not any (-9, WM12_1_Stp4, WM12_2_Stp4, WM12_3_Stp4, WM12_4_Stp4, WM12_5_Stp4, WM12_6_Stp4,
WM12_7_Stp4)
WM12StOff = 2.
if any (-8, WM12_1_Stp4, WM12_2_Stp4, WM12_3_Stp4, WM12_4_Stp4, WM12_5_Stp4, WM12_6_Stp4, WM12_7_Stp4)
or any (-9, WM12_1_Stp4, WM12_2_Stp4, WM12_3_Stp4, WM12_4_Stp4, WM12_5_Stp4, WM12_6_Stp4, WM12_7_Stp4)
WM12StOff = -8.
if WM12Any <> 1 WM12StOff = -1.
var lab WM12StOff "(D) Stopped using weight management tool/service in last 12 months because wasn't using
it".
val lab WM12StOff
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StTm: (D) Stopped using weight management tool/service in last 12 months because difficulty finding time/fitting it in

SPSS syntax
```
Numeric WM12StTm (F2).
if any (1, WM12_1_Stp5, WM12_2_Stp5, WM12_3_Stp5, WM12_4_Stp5, WM12_5_Stp5, WM12_6_Stp5, WM12_7_Stp5)
WM12StTm  = 1.
if WM12Any = 1 and not any (1, WM12_1_Stp5, WM12_2_Stp5, WM12_3_Stp5, WM12_4_Stp5, WM12_5_Stp5,
WM12_6_Stp5, WM12_7_Stp5)
and not any (-8, WM12_1_Stp5, WM12_2_Stp5, WM12_3_Stp5, WM12_4_Stp5, WM12_5_Stp5, WM12_6_Stp5,
WM12_7_Stp5)
and not any (-9, WM12_1_Stp5, WM12_2_Stp5, WM12_3_Stp5, WM12_4_Stp5, WM12_5_Stp5, WM12_6_Stp5,
WM12_7_Stp5)
 WM12StTm  = 2.
if any (-8, WM12_1_Stp5, WM12_2_Stp5, WM12_3_Stp5, WM12_4_Stp5, WM12_5_Stp5, WM12_6_Stp5, WM12_7_Stp5)
or any (-9, WM12_1_Stp5, WM12_2_Stp5, WM12_3_Stp5, WM12_4_Stp5, WM12_5_Stp5, WM12_6_Stp5, WM12_7_Stp5)
 WM12StTm  = -8.
if WM12Any <> 1  WM12StTm  = -1.
var lab  WM12StTm  "(D) Stopped using weight management tool/service in last 12 months because difficulty
finding time/fitting it in".
val lab  WM12StTm
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StUS: (D) Stopped using weight management tool/service in last 12 months because it didn't work for me/wasn't helping

SPSS syntax
```
Numeric WM12StUS (F2).
if any (1, WM12_1_Stp6, WM12_2_Stp6, WM12_3_Stp6, WM12_4_Stp6, WM12_5_Stp6, WM12_6_Stp6, WM12_7_Stp6)
WM12StUS = 1.
if WM12Any = 1 and not any (1, WM12_1_Stp6, WM12_2_Stp6, WM12_3_Stp6, WM12_4_Stp6, WM12_5_Stp6,
WM12_6_Stp6, WM12_7_Stp6)
and not any (-8, WM12_1_Stp6, WM12_2_Stp6, WM12_3_Stp6, WM12_4_Stp6, WM12_5_Stp6, WM12_6_Stp6,
WM12_7_Stp6)
and not any (-9, WM12_1_Stp6, WM12_2_Stp6, WM12_3_Stp6, WM12_4_Stp6, WM12_5_Stp6, WM12_6_Stp6,
WM12_7_Stp6)
WM12StUS = 2.
if any (-8, WM12_1_Stp6, WM12_2_Stp6, WM12_3_Stp6, WM12_4_Stp6, WM12_5_Stp6, WM12_6_Stp6, WM12_7_Stp6)
or any (-9, WM12_1_Stp6, WM12_2_Stp6, WM12_3_Stp6, WM12_4_Stp6, WM12_5_Stp6, WM12_6_Stp6, WM12_7_Stp6)
```

```
WM12StUS = -8.
if WM12Any <> 1 WM12StUS = -1.
var lab WM12StUS "(D) Stopped using weight management tool/service in last 12 months because it didn't
work for me/wasn't helping".
val lab WM12StUS
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StEnd: (D) Stopped using weight management tool/service in last 12 months because the programme stopped/funding ran out

SPSS syntax

```
Numeric WM12StEnd (F2).
if any (1, WM12_1_Stp7, WM12_2_Stp7, WM12_3_Stp7, WM12_4_Stp7, WM12_5_Stp7, WM12_6_Stp7, WM12_7_Stp7)
WM12StEnd = 1.
if WM12Any = 1 and not any (1, WM12_1_Stp7, WM12_2_Stp7, WM12_3_Stp7, WM12_4_Stp7, WM12_5_Stp7,
WM12_6_Stp7, WM12_7_Stp7)
and not any (-8, WM12_1_Stp7, WM12_2_Stp7, WM12_3_Stp7, WM12_4_Stp7, WM12_5_Stp7, WM12_6_Stp7,
WM12_7_Stp7)
and not any (-9, WM12_1_Stp7, WM12_2_Stp7, WM12_3_Stp7, WM12_4_Stp7, WM12_5_Stp7, WM12_6_Stp7,
WM12_7_Stp7)
WM12StEnd = 2.
if any (-8, WM12_1_Stp7, WM12_2_Stp7, WM12_3_Stp7, WM12_4_Stp7, WM12_5_Stp7, WM12_6_Stp7, WM12_7_Stp7)
or any (-9, WM12_1_Stp7, WM12_2_Stp7, WM12_3_Stp7, WM12_4_Stp7, WM12_5_Stp7, WM12_6_Stp7, WM12_7_Stp7)
WM12StEnd = -8.
if WM12Any <> 1 WM12StEnd = -1.
var lab WM12StEnd "(D) Stopped using weight management tool/service in last 12 months because the
programme stopped/funding ran out".
val lab WM12StEnd
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StCir: (D) Stopped using weight management tool/service in last 12 months due to change in circumstances

SPSS syntax

```
Numeric WM12StCir (F2).
if any (1, WM12_1_Stp8, WM12_2_Stp8, WM12_3_Stp8, WM12_4_Stp8, WM12_5_Stp8, WM12_6_Stp8, WM12_7_Stp8)
WM12StCir = 1.
if WM12Any = 1 and not any (1, WM12_1_Stp8, WM12_2_Stp8, WM12_3_Stp8, WM12_4_Stp8, WM12_5_Stp8,
WM12_6_Stp8, WM12_7_Stp8)
and not any (-8, WM12_1_Stp8, WM12_2_Stp8, WM12_3_Stp8, WM12_4_Stp8, WM12_5_Stp8, WM12_6_Stp8,
WM12_7_Stp8)
and not any (-9, WM12_1_Stp8, WM12_2_Stp8, WM12_3_Stp8, WM12_4_Stp8, WM12_5_Stp8, WM12_6_Stp8,
WM12_7_Stp8)
WM12StCir = 2.
if any (-8, WM12_1_Stp8, WM12_2_Stp8, WM12_3_Stp8, WM12_4_Stp8, WM12_5_Stp8, WM12_6_Stp8, WM12_7_Stp8)
or any (-9, WM12_1_Stp8, WM12_2_Stp8, WM12_3_Stp8, WM12_4_Stp8, WM12_5_Stp8, WM12_6_Stp8, WM12_7_Stp8)
WM12StCir = -8.
if WM12Any <> 1 WM12StCir = -1.
var lab WM12StCir "(D) Stopped using weight management tool/service in last 12 months due to change in
circumstances".
val lab WM12StCir
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

WM12StOth: (D) Stopped using weight management tool/service in last 12 months for other reasons

SPSS syntax
```
Numeric WM12StOth (F2).
if any (1, WM12_1_Stp95, WM12_2_Stp95, WM12_3_Stp95, WM12_4_Stp95, WM12_5_Stp95, WM12_6_Stp95,
WM12_7_Stp95) WM12StOth = 1.
if WM12Any = 1 and not any (1, WM12_1_Stp95, WM12_2_Stp95, WM12_3_Stp95, WM12_4_Stp95, WM12_5_Stp95,
WM12_6_Stp95, WM12_7_Stp95)
and not any (-8, WM12_1_Stp95, WM12_2_Stp95, WM12_3_Stp95, WM12_4_Stp95, WM12_5_Stp95, WM12_6_Stp95,
WM12_7_Stp95)
and not any (-9, WM12_1_Stp95, WM12_2_Stp95, WM12_3_Stp95, WM12_4_Stp95, WM12_5_Stp95, WM12_6_Stp95,
WM12_7_Stp95)
WM12StOth = 2.
if any (-8, WM12_1_Stp95, WM12_2_Stp95, WM12_3_Stp95, WM12_4_Stp95, WM12_5_Stp95, WM12_6_Stp95,
WM12_7_Stp95)
or any (-9, WM12_1_Stp95, WM12_2_Stp95, WM12_3_Stp95, WM12_4_Stp95, WM12_5_Stp95, WM12_6_Stp95,
WM12_7_Stp95)
WM12StOth = -8.
if WM12Any <> 1 WM12StOth = -1.
```

```
var lab WM12StOth "(D) Stopped using weight management tool/service in last 12 months for other reasons".
val lab WM12StOth
-8 "Don't know/Refusal"
-1 "Not applicable"
1 "Yes"
2 "No".
```

Adult Physical Activity

Adult Work

ACTIVE2:(D) Self-rated activity at work (grouped)

      1 Very or fairly physically active
      2 Not very, not at all physically active

SPSS syntax

```
Recode active (1 thru 2 =1) (3 thru 4=2) (else=copy) INTO active2.
variable label active2 '(D) Self-rated activity at work (grouped)'.
value labels active2
 1 'Very or fairly physically active'
 2 'Not very, not at all physically active'.
```

WKACTSIT: (D) Total time spent sitting at work/day (mins)

SPSS syntax

```
compute WkActSit=0.
IF wrkact3h>-1 | wrkact3m>-1 WkActSit=WkActSit+wrkact3m+(wrkact3h*60).
IF any(-8,wrkact3h, wrkact3m, WrkAct21) WkActSit=-8.
IF any(-9,wrkact3h, wrkact3m, WrkAct21) WkActSit=-9.
IF age<=15 WkActSit=-1.
Variable labels WkActSit '(D) Total time spent sitting at work/day (mins)'.
```

WKSITHRS: (D) Total time spent sitting at work/day (hours)

SPSS syntax

```
numeric wksithrs (F2).
compute wksithrs=wkactsit/60.
if wkactsit = -8 Wksithrs = -8.
if wkactsit = -9 Wksithrs = -9.
if wkactsit = -1 Wksithrs = -1.
add value labels wksithrs
-9 "Refused"
-8 "Don't know"
-1 "Not applicable".
exe.
variable labels wksitHRS "(D) Total time spent sitting at work/day (hours)".
```

WKACTSIT2:(D) Total time spent sitting at work/day (grouped)

      0 No time
      1 Less than 1 hour
      2 1 to less than 3 hours
      3 3 to less than 5 hours
      4 5 to less than 7 hours
      5 7 hours or more

SPSS syntax

```
COMPUTE WkActSit2=-5.
IF WkActSit=0 WkActSit2=0.
IF range(WkActSit,0.001,59.999) WkActSit2=1.
IF range(WkActSit,60.00,179.9999) WkActSit2=2.
IF range(WkActSit,180.000,299.9999) WkActSit2=3.
IF range(WkActSit,300.000,419.99999) WkActSit2=4.
IF range(WkActSit,420,50000) WkActSit2=5.
IF any(-8,wrkact3h, wrkact3m, WrkAct21) WkActSit2=-8.
IF any(-9,wrkact3h, wrkact3m, WrkAct21) WkActSit2=-9.
IF age<=15 WkActSit2=-1.
exe.
Variable labels WkActSit2 '(D) Total time spent sitting at work/day (grouped)'.
val labels WkActSit2
0 "No time"
1 "Less than 1 hour"
2 "1 to less than 3 hours"
3 "3 to less than 5 hours"
4 "5 to less than 7 hours"
5 "7 hours or more".
```

WKACTWLK: (D) Total time spent walking at work/day (mins)

SPSS syntax

```
compute WkActWlk=0.
IF wrkact4h>-1 | wrkact4m>-1 WkActWlk=WkActWlk+wrkact4m+(wrkact4h*60).
IF any(-8,wrkact4h, wrkact4m, WrkAct22) WkActWlk=-8.
IF any(-9,wrkact4h, wrkact4m, WrkAct22) WkActWlk=-9.
IF age<=15 WkActWlk=-1.
Variable labels WkActWlk '(D) Total time spent walking at work/day (mins)'.
```

WKWLKHRS: (D) Total time spent walking at work/day (hours)

SPSS syntax

```
Numeric wkwlkhrs (F2).
compute wkwlkHRS=wkactwlk/60.
if wkactwlk = -8 wkwlkhrs = -8.
if wkactwlk = -9 wkwlkhrs = -9.
if wkactwlk = -1 wkwlkhrs = -1.
exe.
variable labels wkwlkHRS "(D) Total time spent walking at work/day (hours)".
add value labels wkwlkHRS
-9 "Refused"
-8 "Don't know"
-1 "Not applicable".
```

WKACTWLK2: (D) Total time spent walking at work/day - grouped

           0 No time
           1 Less than 1 hour
           2 1 to less than 3 hours
           3 3 to less than 5 hours
           4 5 to less than 7 hours
           5 7 hours or more

SPSS syntax

```
COMPUTE WkActWlk2=-5.
IF WkActWlk=0 WkActWlk2=0.
IF range(WkActWlk,0.001,59.999) WkActWlk2=1.
IF range(WkActWlk,60.00,179.9999) WkActWlk2=2.
IF range(WkActWlk,180.000,299.9999) WkActWlk2=3.
IF range(WkActWlk,300.000,419.99999) WkActWlk2=4.
IF range(WkActWlk,420,50000) WkActWlk2=5.
IF any(-8,wrkact4h, wrkact4m, WrkAct22) WkActWlk2=-8.
IF any(-9,wrkact4h, wrkact4m, WrkAct22) WkActWlk2=-9.
IF age<=15 WkActWlk2=-1.
exe.
Variable labels WkActWlk2 '(D) Total time spent walking at work/day - grouped'.
val labels WkActWlk2
0 "No time"
1 "Less than 1 hour"
2 "1 to less than 3 hours"
3 "3 to less than 5 hours"
4 "5 to less than 7 hours"
5 "7 hours or more".
```

WKACTCLB: (D) Total time spent climbing at work/day (mins)

SPSS syntax

```
compute WkActClb=0.
IF wrkact5h>-1 | wrkact5m>-1 WkActClb=WkActClb+wrkact5m+(wrkact5h*60).
IF any(-8,wrkact5h, wrkact5m, WrkAct23) WkActClb=-8.
IF any(-9,wrkact5h, wrkact5m, WrkAct23) WkActClb=-9.
IF age<=15 WkActClb=-1.
Variable labels WkActClb '(D) Total time spent climbing at work/day (mins)'.
```

WKCLBHRS: (D) Total time spent climbing at work/day (hours)

SPSS syntax

```
Numeric wkclbhrs (F2).
compute wkclbhrs=wkactclba/60.
if wkactclba =-8 wkclbhrs =-8.
if wkactclba =-1 wkclbhrs =-1.
if wkactclba =-9 wkclbhrs =-9.
add value labels wkclbhrs -9 "Refused"
-8 "Don't know"
-1 "Not applicable".
variable labels wkclbhrs"(D) Total time spent climbing at work/day (hours)".
```

WKACTCLBA: (D) Average time (mins) spent climbing at work/day incl new Qns but no SOC codes

SPSS syntax

```
compute WkActClba=0.
IF (wrkact5h>-1 | wrkact5m>-1) AND (wrkcliev=1) AND wrkdays>0
WkActClba=((wrkact5m+(wrkact5h*60))*wrkdays)/wrkdays.
IF (wrkact5h>-1 | wrkact5m>-1) AND (wrkcliev=2) AND wrkdays>0
WkActClba=((wrkact5m+(wrkact5h*60))*wrkclid)/wrkdays.
IF any(-8,wrkact5h, wrkact5m, WrkAct23,wrkcliev,wrkclid) WkActClba=-8.
IF any(-9,wrkact5h, wrkact5m, WrkAct23,wrkcliev,wrkclid) WkActClba=-9.
IF age<=15 WkActClba=-1.
formats WkActClba (F4.2).
Variable labels WkActClba '(D) Average time (mins) spent climbing at work/day incl new Qns but no SOC
codes'.
```

WKACTLFT: (D) Total time spent lifting at work/day (mins)

SPSS syntax

```
compute WkActLft=0.
IF wrkact6h>-1 | wrkact6m>-1 WkActLft=WkActLft+wrkact6m+(wrkact6h*60).
IF any(-8,wrkact6h, wrkact6m, WrkAct24) WkActLft=-8.
IF any(-9,wrkact6h, wrkact6m, WrkAct24) WkActLft=-9.
IF age<=15 WkActLft=-1.
Variable labels WkActLft '(D) Total time spent lifting at work/day (mins)'.
```

WKLFTHRS: (D) Total time spent lifting at work/day (hours)

SPSS syntax

```
Numeric wklfthrs (F2).
compute wklftHRS=wkactlfta/60.
if wkactlfta = -8 wklfthrs  = -8.
if wkactlfta = -1 wklfthrs  = -1.
if wkactlfta = -9 wklfthrs  = -9.
exe.
variable labels  wklfthrs "(D) Total time spent lifting at work/day (hours)".
add value labels wklfthrs
-9 "Refused"
-8 "Don't know"
-1 "Not applicable".
```

WKACTLFTA: (D) Average time (mins) spent lifting heavy loads at work/day incl new Qns but no SOC codes

SPSS syntax

```
compute WkActLfta=0.
IF (wrkact6h>-1 | wrkact6m>-1) AND (wrklftev=1) AND wrkdays>0
WkActLfta=((wrkact6m+(wrkact6h*60))*wrkdays)/wrkdays.
IF (wrkact6h>-1 | wrkact6m>-1) AND (wrklftev=2) AND wrkdays>0
WkActLfta=((wrkact6m+(wrkact6h*60))*wrkd)/wrkdays.
IF any(-8,wrkact6h, wrkact6m, WrkAct24,wrklftev,wrklftd) WkActLfta=-8.
IF any(-9,wrkact6h, wrkact6m, WrkAct24,wrklftev,wrklftd) WkActLfta=-9.
IF age<=15 WkActLfta=-1.
formats WkActLfta (F4.2).
Variable labels WkActLfta '(D) Average time (mins) spent lifting heavy loads at work/day incl new Qns but
no SOC codes'.
```

WKACTTOT: (D) Total time spent sitting/walking/climbing/lifting at work/day (hours)

SPSS syntax

```
compute WkActTot=0.
IF work=2 OR WrkDays<=0 WkActTot=0.
IF WkActSit>=0 WkActTot=WkActTot+WkActSit.
IF WkActWlk>=0 WkActTot=WkActTot+WkActWlk.
IF WkActClb>=0 WkActTot=WkActTot+WkActClb.
IF WkActLft>=0 WkActTot=WkActTot+WkActLft.
IF WkActTot>0 WkActTot=(WkActTot/60).
IF any(-8,WkActSit, WkActWlk, WkActClb, WkActLft) WkActTot=-8.
IF any(-9,WkActSit, WkActWlk, WkActClb, WkActLft) WkActTot=-9.
IF age<=15 WkActTot=-1.
IF work=2 OR WrkDays<=0 WkActTot=-1.
format WkActTot (F2.1).
Variable labels WkActTot '(D) Total time spent sitting/walking/climbing/lifting at work/day (hours)'.
```

WKACTTOTG: (D) Total time spent sitting/walking/climbing/lifting at work/day (hours - grouped)

SPSS syntax

```
compute WkActTotg=0.
```

```
IF WkActTot<=0 WkActTotg=WkActTot.
IF WkActTot>0 and WkActTot<=3 WkActTotg=1.
IF WkActTot>3 and WkActTot<=4 WkActTotg=2.
IF WkActTot>4 and WkActTot<=5 WkActTotg=3.
IF WkActTot>5 and WkActTot<=6 WkActTotg=4.
IF WkActTot>6 and WkActTot<=7 WkActTotg=5.
IF WkActTot>7 and WkActTot<=8 WkActTotg=6.
IF WkActTot>8 WkActTotg=7.
IF age<=15 WkActTotg=-1.
Variable labels WkActTotg '(D) Total time spent sitting/walking/climbing/lifting at work/day (hours -
grouped)'.
```

WKACTCLB2: (D) Average time (mins) spent climbing at work/day incl new Qns - grouped

SPSS syntax

```
COMPUTE WkActClb2=-5.
IF WkActclba=0 WkActClb2=0.
IF range(WkActclba,0.001,59.999) WkActClb2=1.
IF range(WkActclba,60.00,179.9999) WkActClb2=2.
IF range(WkActclba,180.000,299.9999) WkActClb2=3.
IF range(WkActclba,300.000,800) WkActClb2=4.
IF age<=15 WkActclb2=-1.
if WkActclba=-9 WkActclb2=-9.
if WkActclba=-8 WkActclb2=-8.
if WkActclba=-1 WkActclb2=-1.
Variable labels WkActClb2 '(D) Average time (mins) spent climbing at work/day incl new Qns - grouped'.
```

WKACTLFT2: (D) Average time (mins) spent lifting at work/day - grouped

SPSS syntax

```
COMPUTE WkActLft2=-5.
IF WkActLfta=0 WkActLft2=0.
IF range(WkActLfta,0.001,59.999) WkActLft2=1.
IF range(WkActLfta,60.00,179.9999) WkActLft2=2.
IF range(WkActLfta,180.000,299.9999) WkActLft2=3.
IF range(WkActLfta,300.000,1201) WkActLft2=4.
IF age<=15 WkActLft2=-1.
if WkActLfta=-9 WkActlft2=-9.
if WkActLfta=-8 WkActlft2=-8.
if WkActLfta=-1 WkActft2=-1.
exe.
Variable labels WkActLft2 '(D) ) Average time (mins) spent lifting at work/day - grouped'.
```

WORKACT: (D) Job activity level (old version)

            1 Inactive
            2 Light activity
            3 Moderate active
            4 Vigorous active

SPSS syntax

```
compute workact=0.
IF ANY(-8,work,active)|ANY(-9,work,active) workact=-8.
IF (work=2 OR RANGE(Active,3,4)) workact=1.

IF (Active=2 AND NOT((ANY(SOC90,509, 530, 597,611,830,832,834,898,903,904,933)) OR
RANGE(SOC90,501,505) OR RANGE(SOC90,533,536) OR
RANGE(SOC90,922,924) OR RANGE(SOC90,929,931))) workact=2.

IF ((Active=2 AND ((ANY(SOC90,509, 530, 597,611,830,832,834,898,903,904,933)) OR
RANGE(SOC90,501,505) OR RANGE(SOC90,533,536) OR
RANGE(SOC90,922,924) OR RANGE(SOC90,929,931))) OR
(Active=1 AND NOT (ANY(SOC90,530,597,830,832,898,903,904,929)))) workact=3.

IF (Active=1 AND ANY(SOC90,530,597,830,832,898,903,904,929)) workact=4.
if age<=15 workact=-1.
variable label workact '(D) Job activity level (old version)'.
value labels workact 1 'Inactive'  2 'Light activity' 3 'Moderate active' 4 'Vigorous active'.
```

WORKACTG: (D) Job activity level (old version - grouped)

            1 Not active or light
            2 Active moderate plus

SPSS syntax

```
recode workact (1,2=1) (3,4=2) (else=copy) INTO workactg.
variable label workactg '(D) Job activity level (old version - grouped)'.
value labels workactg
1 'Not active or light'
2 'Active moderate plus'.
```

AD10WRK08: (D) Occasions/4 week 10+min work activity
AD10WRK082: (D) Occasions/4 week 10+min work activity (grouped)
    0 None
    1 1 to 3 days
    2 4 to 11 days
    3 12 to 19 days
    4 20 days or more

SPSS syntax

```
compute ad10wrk08=0.
IF (wrkact22=1 AND range(wrkdays,1,28) AND WkActWlk>=10) ad10wrk08=ad10wrk08+wrkdays.
IF (wrkact23=1 AND range(wrkdays,1,28) AND WkActClb>=10) ad10wrk08=ad10wrk08+wrkdays.
IF (wrkact24=1 AND range(wrkdays,1,28) AND WkActLft>=10) ad10wrk08=ad10wrk08+wrkdays.
IF age<=15 ad10wrk08=-1.
recode ad10wrk08 (28 thru hi=28).
exe.

IF any(-8, wrkact22, wrkact23, wrkact24, wrkdays, WkActWlk, WkActClb, WkActLft) ad10wrk08=-8.
IF any(-9, wrkact22, wrkact23, wrkact24, wrkdays, WkActWlk, WkActClb, WkActLft) ad10wrk08=-9.
exe.

Recode ad10wrk08 (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO ad10wrk082.
variable label ad10wrk08 '(D) Occasions/4 week 10+min work activity'.
variable label ad10wrk082 '(D) Occasions/4 week 10+min work activity (grouped)'.
value labels ad10wrk082
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'
 4 '20 days or more'.
```

WRK10ANY: (D) Work activity - any (10+min) or none
    0 None
    1 Any

SPSS syntax

```
Recode ad10wrk082 (1 thru hi=1) (else=copy) INTO wrk10any.
variable label wrk10any '(D) Work activity  - any (10+min) or none'.
value lables wrk10any
 0 'None'
 1 'Any'.
```

HRS10WRK: (D) Average hours doing heavy housework per week (>=10mins)
HRS10WRKG: (D) Average hours doing heavy housework per week (>=10mins) (grouped)
    0 No time/<10mins
    1 Less than 1 hour
    2 1, less than 3 hours
    3 3, less than 5 hours
    4 5, less than 7 hours
    5 7 hours or more

SPSS syntax

```
recode hwtimhm (0 thru 9=0) (else=copy) into hw10tim2.
compute hrs10hwk=0.
compute hrs10hwk=(hw10tim2*hvydyhm)/240.
IF (hswrkhm=2 OR hvyhwkhm=2) hrs10hwk=0.
IF hw10tim2=0 hrs10hwk=0.
exe.
IF any(-9,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) hrs10hwk=-9.
IF any(-8,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) hrs10hwk=-8.
exe.
IF age<=15 hrs10hwk=-1.
variable label hrs10hwk '(D) Average hours doing heavy housework per week (>=10mins)'.
COMPUTE hrs10hwkg=-5.
IF hrs10hwk=0 hrs10hwkg=0.
IF hrs10hwk>0 & hrs10hwk<1 hrs10hwkg=1.
IF hrs10hwk>=1 & hrs10hwk<3 hrs10hwkg=2.
IF hrs10hwk>=3 & hrs10hwk<5 hrs10hwkg=3.
IF hrs10hwk>=5 & hrs10hwk<7 hrs10hwkg=4.
IF hrs10hwk>=7 hrs10hwkg=5.
IF hrs10hwk<0 hrs10hwkg=hrs10hwk.
variable label hrs10hwkg '(D) Average hours doing heavy housework per week (>=10mins) (grouped)'.
value labels hrs10hwkg
 0 'No time/<10mins'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
```

HRS10WRK12: (D) Hours doing work activity of 10 mins+ per week - new Qns for 2012

SPSS syntax

```
numeric hrs10wrk12 (F2).
compute hrs10wrk12=mins10wrk12/60.
if mins10wrk12=-8  hrs10wrk12  =-8.
if mins10wrk12=-9  hrs10wrk12  =-9.
if mins10wrk12=-1  hrs10wrk12  =-1.
variable labels hrs10wrk12 "(D) Hours doing work activity of 10 mins+ per week - new Qns for 2012".
add value labels  hrs10wrk12 -8 "Don't know" -9 "Refused" -1 "Not applicable".
```

HRS10WRK08: (D) Average hours doing work activity of 10 mins+ per week (incl new work Qns)
HRS10WRK08G: (D) Average hours doing work activity of 10 mins+ per week (incl new work Qns - grouped)

```
          0 No time
          1 Less than 1 hour
          2 1, less than 3 hours
          3 3, less than 5 hours
          4 5, less than 7 hours
          5 7 hours or more
```

SPSS syntax

```
compute hrs10wrk08=0.
IF wrkact22=1 AND range(wrkdays,1,28) AND WkActWlk>=10 AND  ANY(xsoc2000,
1211,1212,1219,3211,3441,3442,3443,3449,
3551,3552,5111,5113,5119,6111,6292,8142,8143,8149,9111,9112,9119,9121,9129,9141,9149,9211,9232,9233,9235,9
239) hrs10wrk08=hrs10wrk08+((wrkdays*WkActWlk)/240).
exe.

IF wrkact23=1 AND range(wrkdays,1,28) AND WkActClb>=10 AND ANY(xsoc2000,
1121,1122,1123,2434,3123,3313,3565,
5111,5112,5113,5119,5241,5243,5313,5321,5322,8141,9111,9112,9119,9121,9129,9231,9233)
hrs10wrk08=hrs10wrk08+((wrkdays*WkActClb)/240).
exe.

IF wrkact24=1 AND range(wrkdays,1,28) AND WkActLft>=10 AND
ANY(xsoc2000,3213,3443,3449,5111,5112,5113,5119,5211,5212,
5213,5214,5215,5216,5221,5222,5223,5224,5231,5232,5311,5312,5313,5314,5315,5316,5319,5321,5322,5431,5432,5
433,5492,
6121,6122,8134,8135,8141,8142,8143,8149,9111,9112,9119,9121,9129,9131,9139,9211,9223,9225,9235,9251)
hrs10wrk08=hrs10wrk08+((wrkdays*WkActLft)/240).
exe.
IF age<=15 hrs10wrk08=-1.
recode hrs10wrk08 (40 thru hi=40).
exe.
IF any(-8, wrkact22, wrkact23, wrkact24, wrkdays, WkActWlk, WkActClb, WkActLft) hrs10wrk08=-8.
IF any(-9, wrkact22, wrkact23, wrkact24, wrkdays, WkActWlk, WkActClb, WkActLft) hrs10wrk08=-9.
exe.

Compute hrs10wrk08g=0.
IF hrs10wrk08>0 AND hrs10wrk08<1 hrs10wrk08g =1.
IF hrs10wrk08>=1 AND hrs10wrk08<3 hrs10wrk08g =2.
IF hrs10wrk08>=3 AND hrs10wrk08<5 hrs10wrk08g =3.
IF hrs10wrk08>=5 AND hrs10wrk08<7 hrs10wrk08g =4.
IF hrs10wrk08>=7 hrs10wrk08g=5.
IF hrs10wrk08<=0 hrs10wrk08g=hrs10wrk08 .
variable label hrs10wrk08 '(D) Average hours doing work activity of 10 mins+ per week (incl new work
Qns)'.
variable label hrs10wrk08g '(D) Average hours doing work activity of 10 mins+ per week (incl new work Qns
- grouped)'.
value labels hrs10wrk08g
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours' 4 '5, less than 7 hours'  5 '7 hours or more'.
```

MINS10WRK08: (D) Average minutes doing work activity of 10 mins+ per week

SPSS syntax

```
compute mins10wrk08=0.
IF wrkact22=1 AND range(wrkdays,1,28) AND WkActWlk>=10 AND  ANY(xsoc2000,
1211,1212,1219,3211,3441,3442,3443,3449,
3551,3552,5111,5113,5119,6111,6292,8142,8143,8149,9111,9112,9119,9121,9129,9141,9149,9211,9232,9233,9235,9
239) mins10wrk08=mins10wrk08+((wrkdays*WkActWlk)/4).
exe.

IF wrkact23=1 AND range(wrkdays,1,28) AND WkActClb>=10 AND ANY(xsoc2000,
1121,1122,1123,2434,3123,3313,3565,
```

```
5111,5112,5113,5119,5241,5243,5313,5321,5322,5323,8141,9111,9112,9119,9121,9129,9231,9233)
mins10wrk08=mins10wrk08+((wrkdays*WkActClb)/4).
exe.

IF wrkact24=1 AND range(wrkdays,1,28) AND WkActLft>=10 AND
ANY(xsoc2000,3213,3443,3449,5111,5112,5113,5119,5211,5212,
5213,5214,5215,5216,5221,5222,5223,5224,5231,5232,5311,5312,5313,5314,5315,5316,5319,5321,5322,5431,5432,5
433,5492,
6121,6122,8134,8135,8141,8142,8143,8149,9111,9112,9119,9121,9129,9131,9139,9211,9223,9225,9235,9251)
mins10wrk08=mins10wrk08+((wrkdays*WkActLft)/4).
exe.
IF age<=15 mins10wrk08=-1.
recode mins10wrk08 (2400 thru hi=2400).
exe.
IF any(-8, wrkact22, wrkact23, wrkact24, wrkdays, WkActWlk, WkActClb, WkActLft) mins10wrk08=-8.
IF any(-9, wrkact22, wrkact23, wrkact24, wrkdays, WkActWlk, WkActClb, WkActLft) mins10wrk08=-9.
exe.
variable label mins10wrk08 '(D) Average minutes doing work activity of 10 mins+ per week'.
```

MINS10WRK12: (D) Average minutes doing work activity of 10 mins+ per week - new Qns for 2012

SPSS syntax

```
compute mins10wrk12=0.
IF wrkact22=1 AND range(wrkdays,1,28) AND WkActWlk>=10 AND ANY(xsoc2000,
1211,1212,1219,3211,3441,3442,3443,3449,
3551,3552,5111,5113,5119,6111,6292,8142,8143,8149,9111,9112,9119,9121,9129,9141,9149,9211,9232,9233,9235,9
239) mins10wrk12=mins10wrk12+((wrkdays*WkActWlk)/4).
exe.

IF wrkact23=1 AND range(wrkdays,1,28) AND WkActClb>=10 AND ANY(xsoc2000,
1121,1122,1123,2434,3123,3313,3565,
5111,5112,5113,5119,5241,5243,5313,5321,5322,5323,8141,9111,9112,9119,9121,9129,9231,9233) AND
(wrkcliev=1) mins10wrk12=mins10wrk12+((wrkdays*WkActClb)/4).
exe.

IF wrkact23=1 AND range(wrkclid,1,28) AND WkActClb>=10 AND ANY(xsoc2000,
1121,1122,1123,2434,3123,3313,3565,
5111,5112,5113,5119,5241,5243,5313,5321,5322,5323,8141,9111,9112,9119,9121,9129,9231,9233) AND
(wrkcliev=2) mins10wrk12=mins10wrk12+((wrkclid*WkActClb)/4).
exe.

IF wrkact24=1 AND range(wrkdays,1,28) AND WkActLft>=10 AND
ANY(xsoc2000,3213,3443,3449,5111,5112,5113,5119,5211,5212,
5213,5214,5215,5216,5221,5222,5223,5224,5231,5232,5311,5312,5313,5314,5315,5316,5319,5321,5322,5431,5432,5
433,5492,
6121,6122,8134,8135,8141,8142,8143,8149,9111,9112,9119,9121,9129,9131,9139,9211,9223,9225,9235,9251) AND
(wrklftev=1) mins10wrk12=mins10wrk12+((wrkdays*WkActLft)/4).
exe.

IF wrkact24=1 AND range(wrklftd,1,28) AND WkActLft>=10 AND
ANY(xsoc2000,3213,3443,3449,5111,5112,5113,5119,5211,5212,
5213,5214,5215,5216,5221,5222,5223,5224,5231,5232,5311,5312,5313,5314,5315,5316,5319,5321,5322,5431,5432,5
433,5492,
6121,6122,8134,8135,8141,8142,8143,8149,9111,9112,9119,9121,9129,9131,9139,9211,9223,9225,9235,9251) AND
(wrklftev=2) mins10wrk12=mins10wrk12+((wrklftd*WkActLft)/4).
exe.

IF age<=15 mins10wrk12=-1.
recode mins10wrk12 (2400 thru hi=2400).
exe.
IF any(-8, wrkact22, wrkact23, wrkact24, wrkdays, WkActWlk, WkActClb,
WkActLft,wrkcliev,wrklftev,wrkclid,wrklftd,xsoc2000) mins10wrk12=-8.
IF any(-9, wrkact22, wrkact23, wrkact24, wrkdays, WkActWlk, WkActClb,
WkActLft,wrkcliev,wrklftev,wrkclid,wrklftd,xsoc2000) mins10wrk12=-9.
exe.
FORMATS mins10wrk12 (F4.2).
variable label mins10wrk12 '(D) Average minutes doing work activity of 10 mins+ per week - new Qns for
2012'.
```

Adult Housework/Gardening

AD10HWK: (D) Days/4 week 10+min heavy housework
AD10HWK2: (D) Days/4 week 10+min heavy housework (grouped)
    0 None
    1 1 to 3 days
    2 4 to 11 days
    3 12 to 19 days
    4 20 days or more

```
Compute ad10hwk=0.
IF (range(hvydyhm,1,28) AND range(hwtimhm,10,1020)) ad10hwk=hvydyhm.
IF range(hwtimhm,0,9) ad10hwk=0.
IF age<16 ad10hwk=-1.
IF any(-9,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) ad10hwk=-9.
IF any(-8,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) ad10hwk=-9.
exe.
Recode ad10hwk (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO ad10hwk2.
variable label ad10hwk '(D) Days/4 week 10+min heavy housework'.
variable label ad10hwk2 '(D) Days/4 week 10+min heavy housework (grouped)'.
value labels ad10hwk2
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'
 4 '20 days or more'.
exe.
```

HWK10ANY: (D) Housework - any (10+min) or none
    0 None
    1 Any

SPSS syntax

```
Recode ad10hwk2 (1 thru hi=1) (else=copy) INTO hwk10any.
variable label hwk10any '(D) Housework - any (10+min) or none'.
value lables hwk10any
 0 'None'
 1 'Any'.
```

HRS10HWK: (D) Average hours doing heavy housework per week (>=10mins)
HRS10HWKG: (D) Average hours doing heavy housework per week (>=10mins) (grouped)
    0 No time/<10mins
    1 Less than 1 hour
    2 1, less than 3 hours
    3 3, less than 5 hours
    4 5, less than 7 hours
    5 7 hours or more

SPSS syntax

```
recode hwtimhm (0 thru 9=0) (else=copy) into hw10tim2.
compute hrs10hwk=0.
compute hrs10hwk=(hw10tim2*hvydyhm)/240.
IF (hswrkhm=2 OR hvyhwkhm=2) hrs10hwk=0.
IF hw10tim2=0 hrs10hwk=0.
exe.
IF any(-9,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) hrs10hwk=-9.
IF any(-8,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) hrs10hwk=-8.
exe.
IF age<=15 hrs10hwk=-1.
variable label hrs10hwk '(D) Average hours doing heavy housework per week (>=10mins)'.
COMPUTE hrs10hwkg=-5.
IF hrs10hwk=0 hrs10hwkg=0.
IF hrs10hwk>0 & hrs10hwk<1 hrs10hwkg=1.
IF hrs10hwk>=1 & hrs10hwk<3 hrs10hwkg=2.
IF hrs10hwk>=3 & hrs10hwk<5 hrs10hwkg=3.
IF hrs10hwk>=5 & hrs10hwk<7 hrs10hwkg=4.
IF hrs10hwk>=7 hrs10hwkg=5.
IF hrs10hwk<0 hrs10hwkg=hrs10hwk.
variable label hrs10hwkg '(D) Average hours doing heavy housework per week (>=10mins) (grouped)'.
value labels hrs10hwkg
 0 'No time/<10mins'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
FORMATS hrs10hwk (F3.2).
```

MINS10HWK: (D) Average minutes doing heavy housework per week (>=10mins)
MINS10HWKG: (D) Average minutes doing heavy housework per week (>=10mins) (grouped)
    0 No time
    1 Less than 75 minutes
    2 75 to 149 minutes
    3 150 to 299 minutes
    4 300 to 419 minutes
    5 420 minutes or more

SPSS syntax

```
recode hwtimhm (0 thru 9=0) (else=copy) into hw10tim2.
compute mins10hwk=0.
compute mins10hwk=(hw10tim2*hvydyhm)/4.
IF (hswrkhm=2 OR hvyhwkhm=2) mins10hwk=0.
IF hw10tim2=0 mins10hwk=0.
exe.
IF any(-9,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) mins10hwk=-9.
IF any(-8,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) mins10hwk=-8.
IF age<=15 mins10hwk=-1.
exe.

* 10 minutes can be spread throughout the month.
* 1 episode of 10 minutes in 28 days is 2.5 mins p/w.
* outlier included here.

COMPUTE mins10hwkg=-5.
IF (mins10hwk=0) mins10hwkg=0.
IF (mins10hwk>0 & mins10hwk<75.00) mins10hwkg=1.
IF range(mins10hwk,75.0,149.9999) mins10hwkg=2.
IF range(mins10hwk,150.0,299.9999) mins10hwkg=3.
IF range(mins10hwk,300.0,419.9999) mins10hwkg=4.
IF mins10hwk>=420.0 mins10hwkg=5.
IF mins10hwk<0 mins10hwkg=mins10hwk.
variable label mins10hwk '(D) Average minutes doing heavy housework per week(>=10mins)'.
variable label mins10hwkg '(D) Average minutes doing heavy housework per week (>=10mins) (grouped)'.
value labels mins10hwkg
 0 'No time'
 1 'Less than 75 minutes'
 2 '75 to 149 minutes'
 3 '150 to 299 minutes'
 4 '300 to 419 minutes'
 5 '420 minutes or more'.
exe.
formats mins10hwk (F4.2).
```

A30HS06: (D) Number of days heavy housework 30 mins+'

```
Compute a30hs06=0.
IF (range(hvydyhm,1,28) AND range(hwtimhm,30,10200)) a30hs06=a30hs06+hvydyhm.
IF range(hwtimhm,0,29) a30hs06=a30hs06+0.
if range(age,0,15) a30hs06=-1.
IF any(-9,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) a30hs06=-9.
IF any(-8,hswrkhm, hwrklsthm, hvyhwkhm, hvydyhm, hwtimhm) a30hs06=-9.
variable label a30hs06 '(D) Number of days heavy housework 30 mins+'.
exe.
```

AD10MAN: (D) Days/4 week 10+min heavy manual/DIY
AD10MAN2: (D) Days/4 week 10+min heavy manual/DIY (grouped)
       0 None
       1 1 to 3 days
       2 4 to 11 days
       3 12 to 19 days
       4 20 days or more

```
Compute ad10man=0.
IF (range(mndayhm,1,28) AND range(DIYTimhm,10,1200)) ad10man=mndayhm.
IF age<16 ad10man=-1.
IF any(-9,gardnhm, gardlistm, manwrkhm,mndayhm,diytimhm) ad10man=-9.
IF any(-8,gardnhm, gardlistm, manwrkhm,mndayhm,diytimhm) ad10man=-8.
Recode ad10man (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO ad10man2.
variable label ad10man '(D) Days/4 week 10+min heavy manual/DIY'.
variable label ad10man2 '(D) Days/4 week 10+min heavy manual/DIY (grouped)'.
value labels ad10man2
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'
 4 '20 days or more'.
```

MAN10ANY: (D) Heavy manual - any (10+min) or none
       0 None
       1 Any

```
Recode ad10man2 (1 thru hi=1) (else=copy) INTO man10any.
variable label man10any '(D) Heavy manual - any (10+min) or none'.
value lables man10any
 0 'None'
 1 'Any'.
```

HRS10MAN: (D) Average hours doing heavy manual per week (>=10mins)
HRS10MANG: (D) Average hours doing heavy manual per week (>=10mins) (grouped)
0 No time/<10mins
1 Less than 1 hour
2 1, less than 3 hours
3 3, less than 5 hours
4 5, less than 7 hours
5 7 hours or more

SPSS syntax

```
recode diytimhm (0 thru 9=0) (else=copy) into diy10tim2.
compute hrs10man=0.
compute hrs10man=(diy10tim2*mndayhm)/240.
IF (gardnhm=2 OR manwrkhm=2) hrs10man=0.
IF diy10tim2=0 hrs10man=0.
IF any(-9, gardnhm, gardlistm, manwrkhm, mndayhm, diytimhm) hrs10man=-9.
IF any(-8,gardnhm, gardlistm, manwrkhm, mndayhm, diytimhm) hrs10man=-8.
IF age<=15 hrs10man=-1.
exe.

COMPUTE hrs10mang=-5.
IF hrs10man=0 hrs10mang=0.
IF hrs10man>0 & hrs10man<1 hrs10mang=1.
IF hrs10man>=1 & hrs10man<3 hrs10mang=2.
IF hrs10man>=3 & hrs10man<5 hrs10mang=3.
IF hrs10man>=5 & hrs10man<7 hrs10mang=4.
IF hrs10man>=7 hrs10mang=5.
IF hrs10man<0 hrs10mang=hrs10man.
variable label hrs10man '(D) Average hours doing heavy manual per week (>=10mins)'.
variable label hrs10mang '(D) Average hours doing heavy manual per week (>=10mins) (grouped)'.
value labels hrs10mang
 0 'No time/<10mins'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
exe.
FORMATS hrs10man (F3.2).
```

MINS10MAN: (D) Average minutes doing heavy manual per week (>=10mins)
MINS10MANG: (D) Average minutes doing heavy manual per week (>=10mins) (grouped)
0 No time
1 Less than 75 minutes
2 75 to 149 minutes
3 150 to 299 minutes
4 300 to 419 minutes
5 420 minutes or more

SPSS syntax

```
recode diytimhm (0 thru 9=0) (else=copy) into diy10tim2.
compute mins10man=0.
compute mins10man=(diy10tim2*mndayhm)/4.
IF (gardnhm=2 OR manwrkhm=2) mins10man=0.
IF diy10tim2=0 mins10man=0.
IF any(-9, gardnhm, gardlistm, manwrkhm, mndayhm, diytimhm) mins10man=-9.
IF any(-8,gardnhm, gardlistm, manwrkhm, mndayhm, diytimhm) mins10man=-8.
IF age<=15 mins10man=-1.

COMPUTE mins10mang=-5.
IF (mins10man=0) mins10mang=0.
IF (mins10man>0 & mins10man<75.00) mins10mang=1.
IF range(mins10man,75.0,149.9999) mins10mang=2.
IF range(mins10man,150.0,299.9999) mins10mang=3.
IF range(mins10man,300.0,419.9999) mins10mang=4.
IF mins10man>=420.0 mins10mang=5.
IF mins10man<0 mins10mang=mins10man.
exe.
variable label mins10man '(D) Average minutes doing heavy manual per week (>=10mins) '.
variable label mins10mang '(D) Average minutes doing heavy manual per week (>=10mins) (grouped)'.
value labels mins10mang
 0 'No time'
 1 'Less than 75 minutes'
 2 '75 to 149 minutes'
 3 '150 to 299 minutes'
 4 '300 to 419 minutes'
 5 '420 minutes or more'.
exe.
FORMATS mins10man (F4.2).
```

A30MA06: (D) Number of days heavy manual 30 mins+

SPSS syntax

```
Compute a30ma06=0.
IF (range(mndayhm,1,28) AND range(DIYTimhm,30,1200)) a30ma06=a30ma06+mndayhm.
IF range(DIYTimhm,1,29) a30ma06=a30ma06+0.
if range(age,0,15) a30ma06=-1.
IF any(-9,gardnhm, gardlistm, manwrkhm,mndayhm,diytimhm) a30ma06=-9.
IF any(-8,gardnhm, gardlistm, manwrkhm,mndayhm,diytimhm) a30ma06=-8.
variable label a30ma06 '(D) Number of days heavy manual 30 mins+'.
exe.
```

Adult Walking

AD10WLK: (D) Days/4 week 10+min brisk walk
AD10WLK2: (D) Days/4 week 10+min brisk walk (grouped)
   0 None
   1 1 to 3 days
   2 4 to 11 days
   3 12 to 19 days
   4 20 days or more

SPSS syntax

```
compute ad10wlk=0.
IF range(walkpace,3,4) & range(tottim,10,1240) & range(daywlk,1,28) ad10wlk=daywlk.
IF age<16 ad10wlk=-1.
IF any (-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65) ad10wlk=-8.
IF any (-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65) ad10wlk=-9.
Recode ad10wlk (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO ad10wlk2.
variable label ad10wlk '(D) Days/4 week 10+min brisk walk'.
variable label ad10wlk2 '(D) Days/4 week 10+min brisk walk (grouped)'.
value labels ad10wlk2
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'
 4 '20 days or more'.
exe.
```

WLK10ANY: (D) Walking - any (10+min) or none
   0 None
   1 Any

SPSS syntax

```
Recode ad10wlk2 (1 thru hi=1) (else=copy) INTO wlk10any.
variable label wlk10any '(D) Walking  - any (10+min) or none'.
value lables wlk10any   0 'None'  1 'Any'.
```

WALK10NO: (D) Number of brisk/fast walks of 10 mins+ in last 4 weeks

SPSS syntax

```
compute days = daywlk-day2wlk.
IF daywlk=-8 days=-8.
IF daywlk=-1 days=-1.
IF day1wlk=-8 days=-8.
IF day1wlk=-1 days=-1.
IF day2wlk=-8 days=-8.
IF day2wlk=-1 days=-1.
Compute Walk10no=0.
IF (Wlk5it=2) OR (Wlk5it=3) Walk10no=0.
IF Wlk10M=2 Walk10no=0.
IF (Day1Wlk=2) Walk10no=DayWlk.
IF (Day1Wlk=1 and DayWlk=1) Walk10no=(Day1Wlk*2).
IF (Day1Wlk=1 and DayWlk>1) Walk10no=((day2wlk*2)+(days)).
IF any (-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk) walk10no=-8.
IF any (-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk) walk10no=-9.
IF walkpace=1 walk10no=0.
IF walkpace=2 walk10no=0.
IF walkpace=5 walk10no=0.
IF age<16 walk10no=-1.
variable label walk10no '(D) Number of brisk/fast walks of 10 mins+ in last 4 weeks'.
```

HRS10WLKA: (D) Average hours walking of 10 mins+ per week brisk or fast
HRS10WLKG: (D) Average hours walking of 10 mins+ per week brisk or fast (grouped)
        0 No time
        1 Less than 1 hour
        2 1, less than 3 hours
        3 3, less than 5 hours
        4 5, less than 7 hours
        5 7 hours or more

SPSS syntax

```
Recode tottim (0 thru 9=0) (else=copy) into tottim10.
compute hrs10wlka=0.
compute hrs10wlka=(tottim10*walk10no)/240.
IF tottim10=0 hrs10wlka=0.
IF any (-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65,walk10no) hrs10wlka=-8.
IF any (-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65,walk10no) hrs10wlka=-9.
IF walk10no=-1 hrs10wlka =-1.
variable label hrs10wlka '(D) Average hours walking of 10 mins+ per week brisk or fast'.
formats hrs10wlka (F3.2).
Compute hrs10wlkg=0.
IF hrs10wlka>0 AND hrs10wlka<1 hrs10wlkg=1.
IF hrs10wlka>=1 AND hrs10wlka<3 hrs10wlkg=2.
IF hrs10wlka>=3 AND hrs10wlka<5 hrs10wlkg=3.
IF hrs10wlka>=5 AND hrs10wlka<7 hrs10wlkg=4.
IF hrs10wlka>=7 hrs10wlkg=5.
IF hrs10wlka<=0 hrs10wlkg=hrs10wlka.
variable label hrs10wlkg '(D) Average hours walking of 10 mins+ per week brisk or fast (grouped)'.
value labels hrs10wlkg
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
```

MINS10WLKA: (D) Average minutes walking of 10 mins+ per week brisk or fast
MINS10WLKG: (D) Average minutes walking of 10 mins+ per week brisk or fast (grouped)
        0 No time'
        1 Less than 75 minutes
        2 75 to 149 minutes
        3 150 to 299 minutes
        4 300 to 419 minutes
        5 420 minutes or more

SPSS syntax

```
Recode tottim (0 thru 9=0) (else=copy) into tottim10.
compute mins10wlka=0.
compute mins10wlka =(tottim10*walk10no)/4.
IF tottim10=0 mins10wlka=0.
*IF walk10no=-8 mins10wlka =-8.
*IF walk10no=-9 mins10wlka =-9.
IF walk10no=-1 mins10wlka =-1.
*IF tottim10=-8 mins10wlka =-8.
*IF tottim10=-9 mins10wlka =-9.
IF any (-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65,walk10no) mins10wlka=-8.
IF any (-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65,walk10no) mins10wlka=-9.
exe.
COMPUTE mins10wlkg=-5.
IF (mins10wlka=0) mins10wlkg=0.
IF (mins10wlka>0 & mins10wlka<75.000) mins10wlkg=1.
IF range(mins10wlka,75.0,149.9999) mins10wlkg=2.
IF range(mins10wlka,150.0,299.9999) mins10wlkg=3.
IF range(mins10wlka,300.0,419.9999) mins10wlkg=4.
IF mins10wlka>=420.0 mins10wlkg=5.
IF mins10wlka<0 mins10wlkg=mins10wlka.
exe.
variable label mins10wlka '(D) Average minutes walking of 10 mins+ per week brisk or fast'.
variable label mins10wlkg '(D) Average minutes walking of 10 mins+ per week brisk or fast (grouped)'.
value labels mins10wlkg
 0 'No time'
 1 'Less than 75 minutes'
 2 '75 to 149 minutes'
 3 '150 to 299 minutes'
 4 '300 to 419 minutes'
 5 '420 minutes or more'.
exe.
formats mins10wlka (F4.2).
```

A30WK06: (D) Number of days walking 30 mins+ fast or brisk
SPSS syntax

```
compute a30wk06=0.
```

```
DO IF range(walkpace,3,4).
IF (range(tottim,30,800) AND range(daywlk,1,28)) a30wk06=a30wk06+daywlk.
IF (range(tottim,15,29) AND day1wlk=1 AND range(day2wlk,1,28)) a30wk06=a30wk06+day2wlk.
ELSE IF range(walkpace,1,2).
COMPUTE a30wk06=a30wk06+0.
END IF.
IF range(tottim,0,14) a30wk06=a30wk06+0.
if range(age,0,15) a30wk06=-1.
IF any(-9,walkpace, tottim, daywlk,day2wlk,day1wlk) a30wk06=-9.
IF any(-8,walkpace, tottim, daywlk,day2wlk,day1wlk) a30wk06=-8.
variable label a30wk06 '(D) Number of days walking 30 mins+ fast or brisk'.
exe.
```

AD10WLK65: (D) Days/4 week 10+min brisk walk incl Qn for 65+
AD10WLK652: (D) Days/4 week 10+min brisk walk incl Qn for 65+ (grouped)
       0 None
       1 1 to 3 days
       2 4 to 11 days
       3 12 to 19 days
       4 20 days or more

SPSS syntax

```
compute ad10wlk65=0.
IF any(walkpace,3,4) & range(tottim,10,1240) & range(daywlk,1,28) & range(age,16,64) ad10wlk65=daywlk.
IF range(tottim,10,1240) & range(daywlk,1,28) & (age>=65) & any(walkpace,3,4) ad10wlk65=daywlk.
IF range(tottim,10,1240) & range(daywlk,1,28) & (age>=65) & any(walkpace,1,2) & (walk65=1)
ad10wlk65=daywlk.
IF age<16 ad10wlk65=-1.
exe.
IF any (-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65) ad10wlk65=-8.
IF any (-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65) ad10wlk65=-9.
Recode ad10wlk65 (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO ad10wlk652.
variable label ad10wlk65 '(D) Days/4 week 10+min brisk walk incl Qn for 65+'.
variable label ad10wlk652 '(D) Days/4 week 10+min brisk walk incl Qn for 65+ (grouped)'.
value labels ad10wlk652
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'
 4 '20 days or more'.
exe.
```

WALK10NO65: (D) Number of brisk/fast walks of 10 mins+ in last 4 weeks incl Qn for 65+
SPSS syntax

```
compute days = daywlk-day2wlk.
IF daywlk=-8 days=-8.
IF daywlk=-1 days=-1.
IF day1wlk=-8 days=-8.
IF day1wlk=-1 days=-1.
IF day2wlk=-8 days=-8.
IF day2wlk=-1 days=-1.
Compute Walk10no65=0.
IF (Wlk5it=2) OR (Wlk5it=3) Walk10no65=0.
IF Wlk10M=2 Walk10no65=0.
IF (Day1Wlk=2) Walk10no65=DayWlk.
IF (Day1Wlk=1 and DayWlk=1) Walk10no65=(Day1Wlk*2).
IF (Day1Wlk=1 and DayWlk>1) Walk10no65=((day2wlk*2)+(days)).
IF any (-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk) walk10no65=-8.
IF any (-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk) walk10no65=-9.
IF (walkpace=1) & range(age,16,64) walk10no65=0.
IF (walkpace=2) & range(age,16,64) walk10no65=0.
if age>=65 & walk65=2 & any(walkpace,1,2) walk10no65=0.
IF walkpace=5 walk10no65=0.
IF age<16 walk10no65=-1.
variable label walk10no65 '(D) Number of brisk/fast walks of 10 mins+ in last 4 weeks incl Qn for 65+'.
```

MINS10WLK65: (D) Average minutes walking of 10 mins+ per week brisk or fast - incl new Qn for 65+ (grouped)
MINS10WLK65G: (D) Average minutes walking of 10 mins+ per week brisk or fast - incl new Qn for 65+ (grouped)
       0 No time
       1 Less than 75 minutes
       2 75 to 149 minutes
       3 150 to 299 minutes
       4 300 to 419 minutes
       5 420 minutes or more

SPSS syntax

```
Recode tottim (0 thru 9=0) (else=copy) into tottim10.
```

```
compute mins10wlk65=0.
compute mins10wlk65 =(tottim10*walk10no65)/4.
IF tottim10=0 mins10wlk65 =0.
IF walk10no65=-1 mins10wlk65 =-1.
IF any (-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65) mins10wlk65=-8.
IF any (-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,tottim,walkpace,walk65) mins10wlk65=-9.
exe.
COMPUTE mins10wlk65g=-5.
IF (mins10wlk65=0) mins10wlk65g=0.
IF (mins10wlk65>0 & mins10wlk65<75.000) mins10wlk65g=1.
IF range(mins10wlk65,75.0,149.9999) mins10wlk65g=2.
IF range(mins10wlk65,150.0,299.9999) mins10wlk65g=3.
IF range(mins10wlk65,300.0,419.9999) mins10wlk65g=4.
IF mins10wlk65>=420.0 mins10wlk65g=5.
IF mins10wlk65<0 mins10wlk65g=mins10wlk65.
exe.
variable label mins10wlk65 '(D) Average minutes walking of 10 mins+ per week brisk or fast - incl new Qn
for 65+'.
variable label mins10wlk65g '(D) Average minutes walking of 10 mins+ per week brisk or fast - incl new Qn
for 65+ (grouped)'.
value labels mins10wlk65g
 0 'No time'
 1 'Less than 75 minutes'
 2 '75 to 149 minutes'
 3 '150 to 299 minutes'
 4 '300 to 419 minutes'
 5 '420 minutes or more'.
```

Adult Sport

ACT11: (D) Other sports intensity
ACT12: (D) Other sports intensity
ACT13: (D) Other sports intensity

SPSS syntax

```
Recode cothpa01 (35,36,53,55,56,64,79,84,87,90,91,94,98,100,104,106,108,114,995=1)

(10,11,14,15,27,28,34,37,39,40,41,43,48,49,50,54,57,58,59,60,61,66,67,68,69,70,74,76,88,92,93,95,96,97,101
,102,105,115,996=2)
 (1,4,7,47,20,30,31,32,33,46,47,62,65,107,109,110,111=3)
 (2,6,12,18,19,25,45,63,72,73,81,85,86=4)
 (3,5,8,9,13,21,23,24,38,42,44,51,71,75,77,78,83,99,112,113=5)
 (16,17,22,26,29,52,80,82,89,103=6)
 (997=7) (ELSE=COPY) INTO act11.

Recode cothpa02 (35,36,53,55,56,64,79,84,87,90,91,94,98,100,104,106,108,114,995=1)

(10,11,14,15,27,28,34,37,39,40,41,43,48,49,50,54,57,58,59,60,61,66,67,68,69,70,74,76,88,92,93,95,96,97,101
,102,105,115,996=2)
 (1,4,7,47,20,30,31,32,33,46,47,62,65,107,109,110,111=3)
 (2,6,12,18,19,25,45,63,72,73,81,85,86=4)
 (3,5,8,9,13,21,23,24,38,42,44,51,71,75,77,78,83,99,112,113=5)
 (16,17,22,26,29,52,80,82,89,103=6)
 (997=7) (ELSE=COPY) INTO act12.

Recode cothpa03 (35,36,53,55,56,64,79,84,87,90,91,94,98,100,104,106,108,114,995=1)

(10,11,14,15,27,28,34,37,39,40,41,43,48,49,50,54,57,58,59,60,61,66,67,68,69,70,74,76,88,92,93,95,96,97,101
,102,105,115,996=2)
 (1,4,7,47,20,30,31,32,33,46,47,62,65,107,109,110,111=3)
 (2,6,12,18,19,25,45,63,72,73,81,85,86=4)
 (3,5,8,9,13,21,23,24,38,42,44,51,71,75,77,78,83,99,112,113=5)
 (16,17,22,26,29,52,80,82,89,103=6)
 (997=7) (ELSE=COPY) INTO act13.
```

AD10SPT: (D) Occasions/4 week 10+min sport
AD10SPT2: (D) Occasions/4 week 10+min sport (grouped)
        0 None
        1 1 to 3 days
        2 4 to 11 days
        3 12 to 19 days
        4 20 days or more

SPSS syntax

```
COMPUTE ad10spt=0.
IF (Whtact01=1 AND range(dayexc01,1,28) AND exctim01>=10) ad10spt=ad10spt+dayexc01.
IF (Whtact02=1 AND range(dayexc02,1,28) AND exctim02>=10) ad10spt=ad10spt+dayexc02.
IF (Whtact03=1 AND range(dayexc03,1,28) AND exctim03>=10) ad10spt=ad10spt+dayexc03.
```

```
IF (Whtact04=1 AND range(dayexc04,1,28) AND exctim04>=10) ad10spt=ad10spt+dayexc04.
IF (Whtact05=1 AND range(dayexc05,1,28) AND exctim05>=10) ad10spt=ad10spt+dayexc05.
IF (Whtact06=1 AND range(dayexc06,1,28) AND exctim06>=10) ad10spt=ad10spt+dayexc06.
IF (Whtact07=1 AND range(dayexc07,1,28) AND exctim07>=10) ad10spt=ad10spt+dayexc07.
IF (Whtact08=1 AND range(dayexc08,1,28) AND exctim08>=10) ad10spt=ad10spt+dayexc08.
IF (Whtact09=1 AND range(dayexc09,1,28) AND exctim09>=10) ad10spt=ad10spt+dayexc09.
IF (Whtact10=1 AND range(dayexc10,1,28) AND exctim10>=10) ad10spt=ad10spt+dayexc10.
IF (range(act11,2,3) AND range(dayexc11,1,28) AND exctim11>=10 AND excswt11=1) ad10spt=ad10spt+ dayexc11.
IF (range(act12,2,3) AND range(dayexc12,1,28) AND exctim12>=10 AND excswt12=1) ad10spt=ad10spt+ dayexc12.
IF (range(act13,2,3) AND range(dayexc13,1,28) AND exctim13>=10 AND excswt13=1) ad10spt=ad10spt+ dayexc13.
IF (range(act14,2,3) AND range(dayexc14,1,28) AND exctim14>=10 AND excswt14=1) ad10spt=ad10spt+ dayexc14.
IF (range(act15,2,3) AND range(dayexc15,1,28) AND exctim15>=10 AND excswt15=1) ad10spt=ad10spt+ dayexc15.
IF (range(act16,2,3) AND range(dayexc16,1,28) AND exctim16>=10 AND excswt16=1) ad10spt=ad10spt+ dayexc16.
exe.

IF (any(act11,4,5,6) AND range(dayexc11,1,28) AND exctim11>=10) ad10spt=ad10spt+ dayexc11.
IF (any(act12,4,5,6) AND range(dayexc12,1,28) AND exctim12>=10) ad10spt=ad10spt+ dayexc12.
IF (any(act13,4,5,6) AND range(dayexc13,1,28) AND exctim13>=10) ad10spt=ad10spt+ dayexc13.
IF (any(act14,4,5,6) AND range(dayexc14,1,28) AND exctim14>=10) ad10spt=ad10spt+ dayexc14.
IF (any(act15,4,5,6) AND range(dayexc15,1,28) AND exctim15>=10) ad10spt=ad10spt+ dayexc15.
IF (any(act16,4,5,6) AND range(dayexc16,1,28) AND exctim16>=10) ad10spt=ad10spt+ dayexc16.
exe.

IF any(-8,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
          act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
          dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
          dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) ad10spt=-8.
exe.

if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
          excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
          dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
          dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) ad10spt=-9.
exe.
if range(age,0,15) ad10spt=-1.
recode ad10spt (28 thru hi=28).
exe.
Recode ad10spt (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO ad10spt2.
exe.
variable label ad10spt '(D) Occasions/4 week 10+min sport'.
variable label ad10spt2 '(D) Occasions/4 week 10+min sport (grouped)'.
value labels ad10spt2
 0 'None'  1 '1 to 3 days'   2 '4 to 11 days'  3 '12 to 19 days'   4 '20 days or more'.
```

SPT10ANY: (D) Sports - any (10+min) or none

SPSS syntax

```
Recode ad10spt2 (1 thru hi=1) (else=copy) INTO spt10any.
variable label spt10any '(D) Sports  - any (10+min) or none'.
value lables spt10any
 0 'None'
 1 'Any'.
```

HRS10SPT: (D) Average hours doing sports of 10 mins+ per week
HRS10SPTG: (D) Average hours doing sports of 10 mins+ per week (grouped)

    0 No time
    1 Less than 1 hour
    2 1, less than 3 hours
    3 3, less than 5 hours
    4 5, less than 7 hours
    5 7 hours or more

SPSS syntax

```
compute hrs10spt=0.
IF (WhtAct01=1 AND range(dayexc01,1,28) AND exctim01>=10) hrs10spt=hrs10spt+ ((dayexc01* exctim01)/240).
IF (WhtAct02=1 AND range(dayexc02,1,28) AND exctim02>=10) hrs10spt=hrs10spt+ ((dayexc02* exctim02)/240).
IF (WhtAct03=1 AND range(dayexc03,1,28) AND exctim03>=10) hrs10spt=hrs10spt+ ((dayexc03* exctim03)/240).
IF (WhtAct04=1 AND range(dayexc04,1,28) AND exctim04>=10) hrs10spt=hrs10spt+ ((dayexc04* exctim04)/240).
IF (WhtAct05=1 AND range(dayexc05,1,28) AND exctim05>=10) hrs10spt=hrs10spt+ ((dayexc05* exctim05)/240).
IF (WhtAct06=1 AND range(dayexc06,1,28) AND exctim06>=10) hrs10spt=hrs10spt+ ((dayexc06* exctim06)/240).
IF (WhtAct07=1 AND range(dayexc07,1,28) AND exctim07>=10) hrs10spt=hrs10spt+ ((dayexc07* exctim07)/240).
IF (WhtAct08=1 AND range(dayexc08,1,28) AND exctim08>=10) hrs10spt=hrs10spt+ ((dayexc08* exctim08)/240).
IF (WhtAct09=1 AND range(dayexc09,1,28) AND exctim09>=10) hrs10spt=hrs10spt+ ((dayexc09* exctim09)/240).
IF (WhtAct10=1 AND range(dayexc10,1,28) AND exctim10>=10) hrs10spt=hrs10spt+ ((dayexc10* exctim10)/240).
EXE.

IF (range(act11,2,3) AND range(dayexc11,1,28) AND exctim11>=10 AND excswt11=1) hrs10spt=hrs10spt+
((dayexc11* exctim11)/240).
```

```
IF (range(act12,2,3) AND range(dayexc12,1,28) AND exctim12>=10 AND excswt12=1) hrs10spt=hrs10spt+
((dayexc12* exctim12)/240).
IF (range(act13,2,3) AND range(dayexc13,1,28) AND exctim13>=10 AND excswt13=1) hrs10spt=hrs10spt+
((dayexc13* exctim13)/240).
IF (range(act14,2,3) AND range(dayexc14,1,28) AND exctim14>=10 AND excswt14=1) hrs10spt=hrs10spt+
((dayexc14* exctim14)/240).
IF (range(act15,2,3) AND range(dayexc15,1,28) AND exctim15>=10 AND excswt15=1) hrs10spt=hrs10spt+
((dayexc15* exctim15)/240).
IF (range(act16,2,3) AND range(dayexc16,1,28) AND exctim16>=10 AND excswt16=1) hrs10spt=hrs10spt+
((dayexc16* exctim16)/240).
exe.

IF any(act11,4,5,6) AND range(dayexc11,1,28) AND exctim11>=10 hrs10spt=hrs10spt+ ((dayexc11*
exctim11)/240).
IF any(act12,4,5,6) AND range(dayexc12,1,28) AND exctim12>=10 hrs10spt=hrs10spt+ ((dayexc12*
exctim12)/240).
IF any(act13,4,5,6) AND range(dayexc13,1,28) AND exctim13>=10 hrs10spt=hrs10spt+ ((dayexc13*
exctim13)/240).
IF any(act14,4,5,6) AND range(dayexc14,1,28) AND exctim14>=10 hrs10spt=hrs10spt+ ((dayexc14*
exctim14)/240).
IF any(act15,4,5,6) AND range(dayexc15,1,28) AND exctim15>=10 hrs10spt=hrs10spt+ ((dayexc15*
exctim15)/240).
IF any(act16,4,5,6) AND range(dayexc16,1,28) AND exctim16>=10 hrs10spt=hrs10spt+ ((dayexc16*
exctim16)/240).
IF range (age,0,15) hrs10spt=-1.
exe.

IF any(-9, dayexc01, dayexc02, dayexc03, dayexc04, dayexc05, dayexc06, dayexc07, dayexc08,
dayexc09, dayexc10, dayexc11, dayexc12, dayexc13, dayexc14, dayexc15, dayexc16) hrs10spt=-9.
exe.
IF any(-9, exctim01, exctim02, exctim03, exctim04, exctim05, exctim06, exctim07, exctim08, exctim09,
exctim10, exctim11, exctim12, exctim13, exctim14, exctim15, exctim16, excswt11, excswt12,
excswt13, excswt14, excswt15, excswt16) hrs10spt=-9.
exe.
IF any(-8, dayexc01, dayexc02, dayexc03, dayexc04, dayexc05, dayexc06, dayexc07, dayexc08,
dayexc09, dayexc10, dayexc11, dayexc12, dayexc13, dayexc14, dayexc15, dayexc16) hrs10spt=-8.
exe.
IF any(-8, exctim01, exctim02, exctim03, exctim04, exctim05, exctim06, exctim07, exctim08, exctim09,
exctim10, exctim11, exctim12, exctim13, exctim14, exctim15, exctim16, excswt11, excswt12,
excswt13, excswt14, excswt15, excswt16) hrs10spt=-8.
EXECUTE.

recode hrs10spt (40 thru hi=40).
Compute hrs10sptg=0.
IF hrs10spt>0 AND hrs10spt<1 hrs10sptg=1.
IF hrs10spt>=1 AND hrs10spt<3 hrs10sptg=2.
IF hrs10spt>=3 AND hrs10spt<5 hrs10sptg=3.
IF hrs10spt>=5 AND hrs10spt<7 hrs10sptg=4.
IF hrs10spt>=7 hrs10sptg=5.
IF hrs10spt<=0 hrs10sptg=hrs10spt.
variable label hrs10spt '(D) Average hours doing sport of 10 mins+ per week'.
variable label hrs10sptg '(D) Average hours doing sports of 10 mins+ per week (grouped)'.
value labels hrs10sptg
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
```

MINS10SPTB: (D) Average minutes doing sports of 10 mins+ per week (vig mins*1)
MINS10SPTBG: (D) Average minutes doing sports of 10 mins+ per week (vig mins*1) (grouped)
        0 No time
        1 Less than 75 minutes
        2 75 to 149 minutes
        3 150 to 299 minutes
        4 300 to 419 minutes
        5 420 minutes or more

SPSS syntax

```
compute mins10sptb=0.
IF (WhtAct01=1 AND range(dayexc01,1,28) AND exctim01>=10) mins10sptb=mins10sptb+ ((dayexc01* exctim01)/4).
IF (WhtAct02=1 AND range(dayexc02,1,28) AND exctim02>=10) mins10sptb=mins10sptb+ ((dayexc02* exctim02)/4).
IF (WhtAct03=1 AND range(dayexc03,1,28) AND exctim03>=10) mins10sptb=mins10sptb+ ((dayexc03* exctim03)/4).
IF (WhtAct04=1 AND range(dayexc04,1,28) AND exctim04>=10) mins10sptb=mins10sptb+ ((dayexc04* exctim04)/4).
IF (WhtAct05=1 AND range(dayexc05,1,28) AND exctim05>=10) mins10sptb=mins10sptb+ ((dayexc05* exctim05)/4).
IF (WhtAct06=1 AND range(dayexc06,1,28) AND exctim06>=10) mins10sptb=mins10sptb+ ((dayexc06* exctim06)/4).
IF (WhtAct07=1 AND range(dayexc07,1,28) AND exctim07>=10) mins10sptb=mins10sptb+ ((dayexc07* exctim07)/4).
IF (WhtAct08=1 AND range(dayexc08,1,28) AND exctim08>=10) mins10sptb=mins10sptb+ ((dayexc08* exctim08)/4).
IF (WhtAct09=1 AND range(dayexc09,1,28) AND exctim09>=10) mins10sptb=mins10sptb+ ((dayexc09* exctim09)/4).
IF (WhtAct10=1 AND range(dayexc10,1,28) AND exctim10>=10) mins10sptb=mins10sptb+ ((dayexc10* exctim10)/4).
EXE.

IF (range(act11,2,3) AND range(dayexc11,1,28) AND exctim11>=10 AND excswt11=1) mins10sptb=mins10sptb+
((dayexc11* exctim11)/4).
```

```
IF (range(act12,2,3) AND range(dayexc12,1,28) AND exctim12>=10 AND excswt12=1) mins10sptb=mins10sptb+
((dayexc12* exctim12)/4).
IF (range(act13,2,3) AND range(dayexc13,1,28) AND exctim13>=10 AND excswt13=1) mins10sptb=mins10sptb+
((dayexc13* exctim13)/4).
IF (range(act14,2,3) AND range(dayexc14,1,28) AND exctim14>=10 AND excswt14=1) mins10sptb=mins10sptb+
((dayexc14* exctim14)/4).
IF (range(act15,2,3) AND range(dayexc15,1,28) AND exctim15>=10 AND excswt15=1) mins10sptb=mins10sptb+
((dayexc15* exctim15)/4).
IF (range(act16,2,3) AND range(dayexc16,1,28) AND exctim16>=10 AND excswt16=1) mins10sptb=mins10sptb+
((dayexc16* exctim16)/4).
exe.

IF any(act11,4,5,6) AND range(dayexc11,1,28) AND exctim11>=10 mins10sptb=mins10sptb+ ((dayexc11*
exctim11)/4).
IF any(act12,4,5,6) AND range(dayexc12,1,28) AND exctim12>=10 mins10sptb=mins10sptb+ ((dayexc12*
exctim12)/4).
IF any(act13,4,5,6) AND range(dayexc13,1,28) AND exctim13>=10 mins10sptb=mins10sptb+ ((dayexc13*
exctim13)/4).
IF any(act14,4,5,6) AND range(dayexc14,1,28) AND exctim14>=10 mins10sptb=mins10sptb+ ((dayexc14*
exctim14)/4).
IF any(act15,4,5,6) AND range(dayexc15,1,28) AND exctim15>=10 mins10sptb=mins10sptb+ ((dayexc15*
exctim15)/4).
IF any(act16,4,5,6) AND range(dayexc16,1,28) AND exctim16>=10 mins10sptb=mins10sptb+ ((dayexc16*
exctim16)/4).
IF range (age,0,15) mins10sptb=-1.
exe.

IF any(-8,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
          act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) mins10sptb=-8.
exe.

if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
           excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) mins10sptb=-9.
exe.
recode mins10sptb (2400 thru hi=2400).
exe.

Compute mins10sptbg=0.
IF mins10sptb=0 mins10sptbg=0.
IF (mins10sptb>0 & mins10sptb<75.000) mins10sptbg=1.
IF range(mins10sptb,75.0,149.9999) mins10sptbg=2.
IF range(mins10sptb,150.0,299.9999) mins10sptbg=3.
IF range(mins10sptb,300.0,419.9999) mins10sptbg=4.
IF mins10sptb>=420.0 mins10sptbg=5.
IF mins10sptb<0 mins10sptbg=mins10sptb.
exe.
variable label mins10sptb '(D) Average minutes doing sport of 10 mins+ per week (vig mins*1)'.
variable label mins10sptbg '(D) Average minutes doing sports of 10 mins+ per week (vig mins*1) (grouped)'.
value labels mins10sptbg
 0 'No time'
 1 'Less than 75 minutes'
 2 '75 to 149 minutes'
 3 '150 to 299 minutes'
 4 '300 to 419 minutes'
 5 '420 minutes or more'.
```

MINS10SPTA: (D) Average minutes doing MVPA sport of 10 mins+ per week (vig mins * 2)'

SPSS syntax

```
compute mins10spta=0.

* Light Intensity.
* all occasions of a large number of activities (1.5-3 METs).
* dancing (whtact05) ; exercises (press-ups;sit-ups) (whtact10) - not 'out of breath or sweaty'.

IF (act11=1 OR act12=1 OR act13=1 OR act14=1 Or Act15=1 OR act16=1)  mins10spta=mins10spta+0.
IF (WhtAct05=1 AND excswt05<>1) mins10spta=mins10spta+0.
IF (WhtAct10=1 AND excswt10<>1) mins10spta=mins10spta+0.
exe.

* Moderate.
* Dancing (whtact05); exercises (whtact10) : if they made the participant 'out of breath or sweaty'.
* Swimming (whtact01): NOT out of breath.
* Cycling (whtact02): NOT out of breath.
* Gym (whtact03): NOT out of breath.
* Aerobics (whtact04): NOT out of breath.
* Football/rugby (whtact07): NOT out of breath.
* Badminton/tennis (whtact08): NOT out of breath.
* All occasions of act11=2 (3.5 - 5 METs).
```

```
* All occasions of act11=3: if NOT out of breath.

IF (WhtAct01=1 AND range(dayexc01,1,28) AND excswt01<>1 AND exctim01>=10)
mins10spta=mins10spta+((dayexc01* exctim01)/4).
IF (WhtAct02=1 AND range(dayexc02,1,28) AND excswt02<>1 AND exctim02>=10)
mins10spta=mins10spta+((dayexc02* exctim02)/4).
IF (WhtAct03=1 AND range(dayexc03,1,28) AND excswt03<>1 AND exctim03>=10)
mins10spta=mins10spta+((dayexc03* exctim03)/4).
IF (WhtAct04=1 AND range(dayexc04,1,28) AND excswt04<>1 AND exctim04>=10)
mins10spta=mins10spta+((dayexc04* exctim04)/4).
IF (WhtAct05=1 AND range(dayexc05,1,28) AND excswt05=1 AND exctim05>=10) mins10spta=mins10spta+((dayexc05*
exctim05)/4).
IF (WhtAct07=1 AND range(dayexc07,1,28) AND excswt07<>1 AND exctim07>=10)
mins10spta=mins10spta+((dayexc07* exctim07)/4).
IF (WhtAct08=1 AND range(dayexc08,1,28) AND excswt08<>1 AND exctim08>=10)
mins10spta=mins10spta+((dayexc08* exctim08)/4).
IF (WhtAct10=1 AND range(dayexc10,1,28) AND excswt10=1 AND exctim10>=10) mins10spta=mins10spta+((dayexc10*
exctim10)/4).

IF (act11=2 AND range(dayexc11,1,28) AND exctim11>=10) mins10spta=mins10spta+((dayexc11* exctim11)/4).
IF (act12=2 AND range(dayexc12,1,28) AND exctim12>=10) mins10spta=mins10spta+((dayexc12* exctim12)/4).
IF (act13=2 AND range(dayexc13,1,28) AND exctim13>=10) mins10spta=mins10spta+((dayexc13* exctim13)/4).
IF (act14=2 AND range(dayexc14,1,28) AND exctim14>=10) mins10spta=mins10spta+((dayexc14* exctim14)/4).
IF (act15=2 AND range(dayexc15,1,28) AND exctim15>=10) mins10spta=mins10spta+((dayexc15* exctim15)/4).
IF (act16=2 AND range(dayexc16,1,28) AND exctim16>=10) mins10spta=mins10spta+((dayexc16* exctim16)/4).
IF (act11=3 AND range(dayexc11,1,28) AND excswt11<>1 AND exctim11>=10) mins10spta=mins10spta+((dayexc11*
exctim11)/4).
IF (act12=3 AND range(dayexc12,1,28) AND excswt12<>1 AND exctim12>=10) mins10spta=mins10spta+((dayexc12*
exctim12)/4).
IF (act13=3 AND range(dayexc13,1,28) AND excswt13<>1 AND exctim13>=10) mins10spta=mins10spta+((dayexc13*
exctim13)/4).
IF (act14=3 AND range(dayexc14,1,28) AND excswt14<>1 AND exctim14>=10) mins10spta=mins10spta+((dayexc14*
exctim14)/4).
IF (act15=3 AND range(dayexc15,1,28) AND excswt15<>1 AND exctim15>=10) mins10spta=mins10spta+((dayexc15*
exctim15)/4).
IF (act16=3 AND range(dayexc16,1,28) AND excswt16<>1 AND exctim16>=10) mins10spta=mins10spta+((dayexc16*
exctim16)/4).
IF (act11=4 AND range(dayexc11,1,28) AND excswt11<>1 AND exctim11>=10) mins10spta=mins10spta+((dayexc11*
exctim11)/4).
IF (act12=4 AND range(dayexc12,1,28) AND excswt12<>1 AND exctim12>=10) mins10spta=mins10spta+((dayexc12*
exctim12)/4).
IF (act13=4 AND range(dayexc13,1,28) AND excswt13<>1 AND exctim13>=10) mins10spta=mins10spta+((dayexc13*
exctim13)/4).
IF (act14=4 AND range(dayexc14,1,28) AND excswt14<>1 AND exctim14>=10) mins10spta=mins10spta+((dayexc14*
exctim14)/4).
IF (act15=4 AND range(dayexc15,1,28) AND excswt15<>1 AND exctim15>=10) mins10spta=mins10spta+((dayexc15*
exctim15)/4).
IF (act16=4 AND range(dayexc16,1,28) AND excswt16<>1 AND exctim16>=10) mins10spta=mins10spta+((dayexc16*
exctim16)/4).
exe.

* Vigorous.
* ALL occurrences of running/jogging (whtact06); squash (whtact09); boxing, kick boxing; skipping;
trampolining.
* Swimming (whtact01): out of breath.
* Cycling (whtact02): out of breath.
* Gym (whtact03): out of breath.
* Aerobics (whtact04): out of breath.
* Football/rugby (whtact07): out of breath.
* Badminton/tennis (whtact08): out of breath.
* Groups 3 and 4: had to be 'out of breath or sweaty'.
* All occasions of 5 and 6.

IF (WhtAct01=1 AND range(dayexc01,1,28) AND excswt01=1 AND exctim01>=10)
mins10spta=mins10spta+(((dayexc01* exctim01)/4)*2).
IF (WhtAct02=1 AND range(dayexc02,1,28) AND excswt02=1 AND exctim02>=10)
mins10spta=mins10spta+(((dayexc02* exctim02)/4)*2).
IF (WhtAct03=1 AND range(dayexc03,1,28) AND excswt03=1 AND exctim03>=10)
mins10spta=mins10spta+(((dayexc03* exctim03)/4)*2).
IF (WhtAct04=1 AND range(dayexc04,1,28) AND excswt04=1 AND exctim04>=10)
mins10spta=mins10spta+(((dayexc04* exctim04)/4)*2).
IF (WhtAct07=1 AND range(dayexc07,1,28) AND excswt07=1 AND exctim07>=10)
mins10spta=mins10spta+(((dayexc07* exctim07)/4)*2).
IF (WhtAct08=1 AND range(dayexc08,1,28) AND excswt08=1 AND exctim08>=10)
mins10spta=mins10spta+(((dayexc08* exctim08)/4)*2).
IF (WhtAct06=1 AND range(dayexc06,1,28) AND exctim06>=10) mins10spta=mins10spta+(((dayexc06*
exctim06)/4)*2).
IF (WhtAct09=1 AND range(dayexc09,1,28) AND exctim09>=10) mins10spta=mins10spta+(((dayexc09*
exctim09)/4)*2).
exe.

IF (act11=3 AND range(dayexc11,1,28) AND excswt11=1 AND exctim11>=10) mins10spta=mins10spta+(((dayexc11*
exctim11)/4)*2).
IF (act11=4 AND range(dayexc11,1,28) AND excswt11=1 AND exctim11>=10) mins10spta=mins10spta+(((dayexc11*
exctim11)/4)*2).
IF (act11=5 AND range(dayexc11,1,28) AND exctim11>=10) mins10spta=mins10spta+(((dayexc11* exctim11)/4)*2).
IF (act11=6 AND range(dayexc11,1,28) AND exctim11>=10) mins10spta=mins10spta+(((dayexc11* exctim11)/4)*2).
```

```
IF (act12=3 AND range(dayexc12,1,28) AND excswt12=1 AND exctim12>=10) mins10spta=mins10spta+(((dayexc12*
exctim12)/4)*2).
IF (act12=4 AND range(dayexc12,1,28) AND excswt12=1 AND exctim12>=10) mins10spta=mins10spta+(((dayexc12*
exctim12)/4)*2).
IF (act12=5 AND range(dayexc12,1,28) AND exctim12>=10) mins10spta=mins10spta+(((dayexc12* exctim12)/4)*2).
IF (act12=6 AND range(dayexc12,1,28) AND exctim12>=10) mins10spta=mins10spta+(((dayexc12* exctim12)/4)*2).
IF (act13=3 AND range(dayexc13,1,28) AND excswt13=1 AND exctim13>=10) mins10spta=mins10spta+(((dayexc13*
exctim13)/4)*2).
IF (act13=4 AND range(dayexc13,1,28) AND excswt13=1 AND exctim13>=10) mins10spta=mins10spta+(((dayexc13*
exctim13)/4)*2).
IF (act13=5 AND range(dayexc13,1,28) AND exctim13>=10) mins10spta=mins10spta+(((dayexc13* exctim13)/4)*2).
IF (act13=6 AND range(dayexc13,1,28) AND exctim13>=10) mins10spta=mins10spta+(((dayexc13* exctim13)/4)*2).
IF (act14=3 AND range(dayexc14,1,28) AND excswt14=1 AND exctim14>=10) mins10spta=mins10spta+(((dayexc14*
exctim14)/4)*2).
IF (act14=4 AND range(dayexc14,1,28) AND excswt14=1 AND exctim14>=10) mins10spta=mins10spta+(((dayexc14*
exctim14)/4)*2).
IF (act14=5 AND range(dayexc14,1,28) AND exctim14>=10) mins10spta=mins10spta+(((dayexc14* exctim14)/4)*2).
IF (act14=6 AND range(dayexc14,1,28) AND exctim14>=10) mins10spta=mins10spta+(((dayexc14* exctim14)/4)*2).
IF (act15=3 AND range(dayexc15,1,28) AND excswt15=1 AND exctim15>=10) mins10spta=mins10spta+(((dayexc15*
exctim15)/4)*2).
IF (act15=4 AND range(dayexc15,1,28) AND excswt15=1 AND exctim15>=10) mins10spta=mins10spta+(((dayexc15*
exctim15)/4)*2).
IF (act15=5 AND range(dayexc15,1,28) AND exctim15>=10) mins10spta=mins10spta+(((dayexc15* exctim15)/4)*2).
IF (act15=6 AND range(dayexc15,1,28) AND exctim15>=10) mins10spta=mins10spta+(((dayexc15* exctim15)/4)*2).
IF (act16=3 AND range(dayexc16,1,28) AND excswt16=1 AND exctim16>=10) mins10spta=mins10spta+(((dayexc16*
exctim16)/4)*2).
IF (act16=4 AND range(dayexc16,1,28) AND excswt16=1 AND exctim16>=10) mins10spta=mins10spta+(((dayexc16*
exctim16)/4)*2).
IF (act16=5 AND range(dayexc16,1,28) AND exctim16>=10) mins10spta=mins10spta+(((dayexc16* exctim16)/4)*2).
IF (act16=6 AND range(dayexc16,1,28) AND exctim16>=10) mins10spta=mins10spta+(((dayexc16* exctim16)/4)*2).
exe.

IF any(-8,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
          act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) mins10spta=-8.
exe.

if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
            excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) mins10spta=-9.
exe.

* maximum of 40 hours a week.

recode mins10spta (2400 thru hi = 2400).
EXECUTE.
variable label mins10spta '(D) Average minutes doing MVPA sport of 10 mins+ per week (vig mins * 2)'.
```

AD30SPT: (D) Occasions/4 week 30+ min sport

```
COMPUTE ad30spt=0.
IF (Whtact01=1 AND range(dayexc01,1,28) AND exctim01>=30) ad30spt=ad30spt+dayexc01.
IF (Whtact02=1 AND range(dayexc02,1,28) AND exctim02>=30) ad30spt=ad30spt+dayexc02.
IF (Whtact03=1 AND range(dayexc03,1,28) AND exctim03>=30) ad30spt=ad30spt+dayexc03.
IF (Whtact04=1 AND range(dayexc04,1,28) AND exctim04>=30) ad30spt=ad30spt+dayexc04.
IF (Whtact05=1 AND range(dayexc05,1,28) AND exctim05>=30) ad30spt=ad30spt+dayexc05.
IF (Whtact06=1 AND range(dayexc06,1,28) AND exctim06>=30) ad30spt=ad30spt+dayexc06.
IF (Whtact07=1 AND range(dayexc07,1,28) AND exctim07>=30) ad30spt=ad30spt+dayexc07.
IF (Whtact08=1 AND range(dayexc08,1,28) AND exctim08>=30) ad30spt=ad30spt+dayexc08.
IF (Whtact09=1 AND range(dayexc09,1,28) AND exctim09>=30) ad30spt=ad30spt+dayexc09.
IF (Whtact10=1 AND range(dayexc10,1,28) AND exctim10>=30) ad30spt=ad30spt+dayexc10.
IF (range(act11,2,3) AND range(dayexc11,1,28) AND exctim11>=30 AND excswt11=1) ad30spt=ad30spt+ dayexc11.
IF (range(act12,2,3) AND range(dayexc12,1,28) AND exctim12>=30 AND excswt12=1) ad30spt=ad30spt+ dayexc12.
IF (range(act13,2,3) AND range(dayexc13,1,28) AND exctim13>=30 AND excswt13=1) ad30spt=ad30spt+ dayexc13.
IF (range(act14,2,3) AND range(dayexc14,1,28) AND exctim14>=30 AND excswt14=1) ad30spt=ad30spt+ dayexc14.
IF (range(act15,2,3) AND range(dayexc15,1,28) AND exctim15>=30 AND excswt15=1) ad30spt=ad30spt+ dayexc15.
IF (range(act16,2,3) AND range(dayexc16,1,28) AND exctim16>=30 AND excswt16=1) ad30spt=ad30spt+ dayexc16.
exe.

IF (any(act11,4,5,6) AND range(dayexc11,1,28) AND exctim11>=30) ad30spt=ad30spt+ dayexc11.
IF (any(act12,4,5,6) AND range(dayexc12,1,28) AND exctim12>=30) ad30spt=ad30spt+ dayexc12.
IF (any(act13,4,5,6) AND range(dayexc13,1,28) AND exctim13>=30) ad30spt=ad30spt+ dayexc13.
IF (any(act14,4,5,6) AND range(dayexc14,1,28) AND exctim14>=30) ad30spt=ad30spt+ dayexc14.
IF (any(act15,4,5,6) AND range(dayexc15,1,28) AND exctim15>=30) ad30spt=ad30spt+ dayexc15.
IF (any(act16,4,5,6) AND range(dayexc16,1,28) AND exctim16>=30) ad30spt=ad30spt+ dayexc16.
exe.
IF any(-8,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
```

```
            act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) ad30spt=-8.
exe.

if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
          excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) ad30spt=-9.
exe.
if range(age,0,15) ad30spt=-1.
recode ad30spt (28 thru hi=28).
exe.
variable label ad30spt '(D) Occasions/4 week 30+ min sport'.
```

Adult Physical Exertion

AD10STRENGTH: (D) Occasions/4 week 10+min muscle-strengthening
AD10STRENGTH2A: (D) Occasions/4 week 10+min muscle-strengthening (grouped)
    0 None
    1 1 to 3 days
    2 4 to 7 days
    3 8 to 11 days
    4 12 to 15 days
    5 16 days or more

SPSS syntax

```
COMPUTE ad10Strength=0.

*-----------------------------------.
* Definite (i.e. responses to ExcMus are disregarded).
* At least 10 minutes.
*--------------------------------------.

* Swimming (whtact01).
* Tai-chi (97).
* Field Athletics (63).
* Sailing (84)/wind surfing (104).
* Skiing/Snowboarding: (31-33).
* Horse riding (37).
* Waterskiing (30).
* Rowing (83).
* Canoeing (50)/kayaking (111).
* Climbing (52).

* Include whtact02 (cycling).
* Include any other type of dancing (whtact05).
* Include running/jogging (whtact06).
* Include football/rugby (whtact07).
* Include Badminton/tennis (whtact08).
* Include squash (whtact09).

* Definite muscle-strengthening.

IF (Whtact01=1 AND range(dayexc01,1,28) AND exctim01>=10) ad10Strength=ad10Strength+dayexc01.
exe.
IF any(cothpa01,30,31,32,33,37,50,52,63,83,84,97,104,111) AND range(dayexc11,1,28) AND exctim11>=10
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,30,31,32,33,37,50,52,63,83,84,97,104,111) AND range(dayexc12,1,28) AND exctim12>=10
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,30,31,32,33,37,50,52,63,83,84,97,104,111) AND range(dayexc13,1,28) AND exctim13>=10
ad10Strength=ad10Strength+dayexc13.
If any(cothpa04,30,31,32,33,37,50,52,63,83,84,97,104,111) AND range(dayexc14,1,28) AND exctim14>=10
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,30,31,32,33,37,50,52,63,83,84,97,104,111) AND range(dayexc15,1,28) AND exctim15>=10
ad10Strength=ad10Strength+dayexc15.
If any(cothpa06,30,31,32,33,37,50,52,63,83,84,97,104,111) AND range(dayexc16,1,28) AND exctim16>=10
ad10Strength=ad10Strength+dayexc16.
exe.

IF (Whtact02=1 AND range(dayexc02,1,28) AND exctim02>=10) ad10Strength=ad10Strength+dayexc02.
IF (Whtact05=1 AND range(dayexc05,1,28) AND exctim05>=10) ad10Strength=ad10Strength+dayexc05.
IF (Whtact06=1 AND range(dayexc06,1,28) AND exctim06>=10) ad10Strength=ad10Strength+dayexc06.
IF (Whtact07=1 AND range(dayexc07,1,28) AND exctim07>=10) ad10Strength=ad10Strength+dayexc07.
IF (Whtact08=1 AND range(dayexc08,1,28) AND exctim08>=10) ad10Strength=ad10Strength+dayexc08.
IF (Whtact09=1 AND range(dayexc09,1,28) AND exctim09>=10) ad10Strength=ad10Strength+dayexc09.
exe.
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*-------------------------------------.
* Probable muscle strengthening.
* At least 10 minutes.
*----------------------------------------.

* Cycling (other = 1).
* Workout at a gym (whtact03=1).
* Aerobics (whtact04=1).
* Exercises (whtact10=1).
* 98 'Tenpin bowling'.
* 35 'Pilates'.
* 106 'Yoga'.
* Aquarobics/aquafit.
*107 'Aquafit'
* 41 'Aqua Aerobics'
* 29 'Martial Arts' (Tai-chi as definite).
* 18 'Basketball (training)'
* 21 'Basketball (game)'
* 20 'Netball (training)'
* 23 'Netball (game)'
* 36 'Bowls (including outdoor, crown, green, Petanque)'
* 34 'Golf (NOT mini-gold, or golf using a power cart)'
* 110 'Hillwalking'
* 59 'Rambling'
* 27 'Cricket'
* 71 'Hockey'
*CD added in 112 'Shinty'
* 54 'Curling'
* 72 'Ice skating'
*94 'Surfing'
*114 'Body boarding'
*102 'Volley ball'

* Cycling (muscle strengthening NOT asked if whtact02=1).
* Not correct?

IF any(cothpa01,1) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu001=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,1) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu001=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,1) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu001=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,1) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu001=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,1) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu001=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,1) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu001=1
ad10Strength=ad10Strength+dayexc16.
exe.

* Workout at a gym (whtact03=1).

IF (whtact03=1) AND range(dayexc03,1,28) AND exctim03>=10 AND excmu131=1
ad10Strength=ad10Strength+dayexc03.
exe.

* Aerobics (whtact04=1).

IF (whtact04=1) AND range(dayexc04,1,28) AND exctim04>=10 AND excmu132=1
ad10Strength=ad10Strength+dayexc04.
exe.

* Exercises (whtact10=1).

IF (whtact10=1) AND range(dayexc10,1,28) AND exctim10>=10 AND excmu133=1
ad10Strength=ad10Strength+dayexc10.
exe.

* Ten-pin bowling.

IF any(cothpa01,98) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu098=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,98) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu098=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,98) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu098=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,98) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu098=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,98) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu098=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,98) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu098=1
ad10Strength=ad10Strength+dayexc16.
exe.

* Yoga/Pilates.
* 35 'Pilates'
* 106 'Yoga'.
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IF any(cothpa01,35) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu035=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,35) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu035=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,35) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu035=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,35) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu035=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,35) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu035=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,35) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu035=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,106) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu106=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,106) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu106=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,106) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu106=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,106) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu106=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,106) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu106=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,106) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu106=1
ad10Strength=ad10Strength+dayexc16.
exe.

*107 'Aquafit'
*41 'Aqua Aerobics'

IF any(cothpa01,41) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu041=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,41) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu041=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,41) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu041=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,41) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu041=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,41) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu041=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,41) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu041=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,107) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu107=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,107) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu107=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,107) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu107=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,107) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu107=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,107) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu107=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,107) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu107=1
ad10Strength=ad10Strength+dayexc16.
exe.

* 29 'Martial Arts'.

IF any(cothpa01,29) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu029=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,29) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu029=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,29) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu029=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,29) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu029=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,29) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu029=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,29) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu029=1
ad10Strength=ad10Strength+dayexc16.
exe.

* 18 'Basketball (training)'
* 21 'Basketball (game)'

IF any(cothpa01,18) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu018=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,18) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu018=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,18) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu018=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,18) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu018=1
ad10Strength=ad10Strength+dayexc14.
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IF any(cothpa05,18) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu018=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,18) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu018=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,21) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu021=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,21) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu021=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,21) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu021=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,21) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu021=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,21) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu021=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,21) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu021=1
ad10Strength=ad10Strength+dayexc16.
exe.

* 20 'Netball (training)'
* 23 'Netball (game)'

IF any(cothpa01,20) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu020=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,20) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu020=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,20) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu020=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,20) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu020=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,20) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu020=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,20) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu020=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,23) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu023=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,23) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu023=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,23) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu023=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,23) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu023=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,23) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu023=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,23) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu023=1
ad10Strength=ad10Strength+dayexc16.
exe.

* 36 'Bowls (including outdoor, crown, green, Petanque)'

IF any(cothpa01,36) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu036=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,36) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu036=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,36) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu036=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,36) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu036=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,36) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu036=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,36) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu036=1
ad10Strength=ad10Strength+dayexc16.
exe.

* 34 'Golf (NOT mini-golf, or golf using a power cart)'

IF any(cothpa01,34) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu034=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,34) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu034=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,34) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu034=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,34) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu034=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,34) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu034=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,34) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu034=1
ad10Strength=ad10Strength+dayexc16.
exe.

*110 'Hillwalking'
* 59 'Rambling'
* 27 'Cricket'
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IF any(cothpa01,110) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu110=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,110) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu110=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,110) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu110=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,110) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu110=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,110) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu110=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,110) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu110=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,59) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu059=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,59) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu059=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,59) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu059=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,59) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu059=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,59) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu059=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,59) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu059=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,27) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu027=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,27) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu027=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,27) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu027=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,27) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu027=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,27) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu027=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,27) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu027=1
ad10Strength=ad10Strength+dayexc16.
exe.

* 71 'Hockey'
* 112 'Shinty'

IF any(cothpa01,71) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu071=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,71) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu071=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,71) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu071=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,71) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu071=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,71) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu071=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,71) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu071=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,112) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu112=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,112) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu112=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,112) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu112=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,112) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu112=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,112) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu112=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,112) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu112=1
ad10Strength=ad10Strength+dayexc16.
EXECUTE.

* 54 'Curling'
* 72 'Ice skating'

IF any(cothpa01,54) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu054=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,54) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu054=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,54) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu054=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,54) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu054=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,54) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu054=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,54) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu054=1
ad10Strength=ad10Strength+dayexc16.
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exe.

IF any(cothpa01,72) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu072=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,72) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu072=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,72) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu072=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,72) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu072=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,72) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu072=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,72) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu072=1
ad10Strength=ad10Strength+dayexc16.
exe.

*94 'Surfing'
*114 'Body boarding'
*102 'Volley ball'

IF any(cothpa01,94) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu094=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,94) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu094=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,94) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu094=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,94) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu094=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,94) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu094=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,94) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu094=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,114) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu114=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,114) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu114=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,114) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu114=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,114) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu114=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,114) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu114=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,114) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu114=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(cothpa01,102) AND range(dayexc11,1,28) AND exctim11>=10 AND excmu102=1
ad10Strength=ad10Strength+dayexc11.
IF any(cothpa02,102) AND range(dayexc12,1,28) AND exctim12>=10 AND excmu102=1
ad10Strength=ad10Strength+dayexc12.
IF any(cothpa03,102) AND range(dayexc13,1,28) AND exctim13>=10 AND excmu102=1
ad10Strength=ad10Strength+dayexc13.
IF any(cothpa04,102) AND range(dayexc14,1,28) AND exctim14>=10 AND excmu102=1
ad10Strength=ad10Strength+dayexc14.
IF any(cothpa05,102) AND range(dayexc15,1,28) AND exctim15>=10 AND excmu102=1
ad10Strength=ad10Strength+dayexc15.
IF any(cothpa06,102) AND range(dayexc16,1,28) AND exctim16>=10 AND excmu102=1
ad10Strength=ad10Strength+dayexc16.
exe.

IF any(-8,
          act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
          act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10,excmu131,excmu132,excmu133)
ad10Strength=-8.
exe.

if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
            excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10,excmu131, excmu132, excmu133)
ad10Strength=-9.
exe.

if range(age,0,15) ad10Strength=-1.
recode ad10Strength (28 thru hi=28).
exe.

Recode ad10Strength (1 thru 3 =1) (4 thru 7=2) (8 thru 11=3) (12 thru 15=4) (16 thru hi = 5) (else=copy)
INTO ad10Strength2a.
exe.
```

```
variable label ad10Strength '(D) Occasions/4 week 10+min muscle-strengthening'.
variable label ad10Strength2a '(D) Occasions/4 week 10+min muscle-strengthening (grouped)'.
value labels ad10Strength2a
0 'None'
1 '1 to 3 days'
2 '4 to 7 days'
3 '8 to 11 days'
4 '12 to 15 days'
5 '16 days or more'.
exe.
```

AD10STRENGTH2B: (D) Number of days per week muscle-strengthening activities for 10 mins+

    1 None/less than twice a week
    2 Twice or more a week

SPSS syntax

```
recode ad10Strength (0 thru 7=1) (8 thru hi=2) (else=copy) INTO ad10Strength2b.
variable label  ad10Strength2b '(D) Number of days per week muscle-strengthening activities for 10 mins+'.
value labels  ad10Strength2b
1 'None/less than twice a week'
2 'Twice or more a week'.
```

AD10BALANCE: (D) Occasions/4week 10+min balancing
AD10BALANCE2A: (D) Occasions/4week 10+min balancing (grouped)

    0 None
    1 1 to 3 days
    2 4 to 7 days
    3 8 to 11 days
    4 12 to 15 days
    5 16 days or more

SPSS syntax

```
COMPUTE ad10Balance=0.
IF (Whtact02=1 AND range(dayexc02,1,28) AND exctim02>=10) ad10Balance=ad10Balance+dayexc02.
IF (Whtact03=1 AND range(dayexc03,1,28) AND exctim03>=10) ad10Balance=ad10Balance+dayexc03.
IF (Whtact04=1 AND range(dayexc04,1,28) AND exctim04>=10) ad10Balance=ad10Balance+dayexc04.
IF (Whtact05=1 AND range(dayexc05,1,28) AND exctim05>=10) ad10Balance=ad10Balance+dayexc05.
IF (Whtact06=1 AND range(dayexc06,1,28) AND exctim06>=10) ad10Balance=ad10Balance+dayexc06.
IF (Whtact07=1 AND range(dayexc07,1,28) AND exctim07>=10) ad10Balance=ad10Balance+dayexc07.
IF (Whtact08=1 AND range(dayexc08,1,28) AND exctim08>=10) ad10Balance=ad10Balance+dayexc08.
IF (Whtact09=1 AND range(dayexc09,1,28) AND exctim09>=10) ad10Balance=ad10Balance+dayexc09.
IF (Whtact10=1 AND range(dayexc10,1,28) AND exctim10>=10 AND ExcMov=1) ad10Balance=ad10Balance+dayexc10.
IF
any(cothpa01,18,20,21,23,27,29,30,31,32,33,34,35,36,37,41,50,52,54,59,63,71,72,84,94,96,97,98,102,104,106,
107,110,111,112,114) AND range(dayexc11,1,28) AND exctim11>=10 ad10Balance=ad10Balance+dayexc11.
IF
any(cothpa02,18,20,21,23,27,29,30,31,32,33,34,35,36,37,41,50,52,54,59,63,71,72,84,94,96,97,98,102,104,106,
107,110,111,112,114) AND range(dayexc12,1,28) AND exctim12>=10 ad10Balance=ad10Balance+dayexc12.
IF
any(cothpa03,18,20,21,23,27,29,30,31,32,33,34,35,36,37,41,50,52,54,59,63,71,72,84,94,96,97,98,102,104,106,
107,110,111,112,114) AND range(dayexc13,1,28) AND exctim13>=10 ad10Balance=ad10Balance+dayexc13.
IF
any(cothpa04,18,20,21,23,27,29,30,31,32,33,34,35,36,37,41,50,52,54,59,63,71,72,84,94,96,97,98,102,104,106,
107,110,111,112,114) AND range(dayexc14,1,28) AND exctim14>=10 ad10Balance=ad10Balance+dayexc14.
IF
any(cothpa05,18,20,21,23,27,29,30,31,32,33,34,35,36,37,41,50,52,54,59,63,71,72,84,94,96,97,98,102,104,106,
107,110,111,112,114) AND range(dayexc15,1,28) AND exctim15>=10 ad10Balance=ad10Balance+dayexc15.
IF
any(cothpa06,18,20,21,23,27,29,30,31,32,33,34,35,36,37,41,50,52,54,59,63,71,72,84,94,96,97,98,102,104,106,
107,110,111,112,114) AND range(dayexc16,1,28) AND exctim16>=10 ad10Balance=ad10Balance+dayexc16.
exe.
IF any(-8,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
          act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10,ExcMov) ad10Balance=-8.
exe.
if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
           excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10,ExcMov) ad10Balance=-9.
exe.
if range(age,0,15) ad10Balance=-1.
recode ad10Balance (28 thru hi=28).
exe.
Recode ad10Balance (1 thru 3 =1) (4 thru 7=2) (8 thru 11=3) (12 thru 15=4) (16 thru hi = 5) (else=copy)
INTO ad10Balance2a.
exe.
```

```
variable label ad10Balance '(D) Occasions/4week 10+min balancing'.
variable label ad10Balance2a '(D) Occasions/4week 10+min balancing (grouped)'.
value labels ad10Balance2a
0 'None'
1 '1 to 3 days'
2 '4 to 7 days'
3 '8 to 11 days'
4 '12 to 15 days'
5 '16 days or more'.
```

AD10BALANCE2B: (D) Number of days per week balancing activities for 10 mins+

  1 None /less than twice a week
  2 Twice or more a week

SPSS syntax

```
recode ad10Balance (0 thru 7=1) (8 thru hi=2) (else=copy) INTO ad10Balance2b.
variable label  ad10Balance2b '(D) Number of days per week balancing activities for 10 mins+'.
value labels  ad10Balance2b
1 'None /less than twice a week' 2 'Twice or more a week'.
```

Adult Sedentary

WKHRSTV: (D) Total time spent watching television on weekday
SPSS syntax

```
compute WkHrsTV=0.
IF tvwkhr>-1 | tvwkmin>-1 WkHrsTV=WkHrsTV+tvwkmin+(tvwkhr*60).
IF any(-8,tvwkhr, tvwkmin) WkHrsTV=-8.
IF any(-9,tvwkhr, tvwkmin) WkHrsTV=-9.
IF any(-1,tvwkhr, tvwkmin) WkHrsTV=-1.
IF age<=15 WkHrsTV=-1.
Variable labels WkHrsTV '(D) Total time spent watching television on weekday'.
```

WEHRSTV: (D) Total time spent watching television on weekend day
SPSS syntax

```
compute WeHrsTV=0.
IF wesit1h>-1 | wesit1m>-1 WeHrsTV=WeHrsTV+wesit1m+(wesit1h*60).
IF any(-8,wesit1h, wesit1m) WeHrsTV=-8.
IF any(-9,wesit1h, wesit1m) WeHrsTV=-9.
IF any(-1,wesit1h, wesit1m) WeHrsTV=-1.
IF age<=15 WeHrsTV=-1.
Variable labels WeHrsTV '(D) Total time spent watching television on weekend day'.
```

WKHRSIT: (D) Total time spent sitting on weekday
SPSS syntax

```
compute WkHrSit=0.
IF wksit2h>-1 | wksit2m>-1 WkHrSit=WkHrSit+wksit2m+(wksit2h*60).
IF any(-8,wksit2h, wksit2m) WkHrSit=-8.
IF any(-9,wksit2h, wksit2m) WkHrSit=-9.
IF any(-1,wksit2h, wksit2m) WkHrSit=-1.
IF age<=15 WkHrSit=-1.
Variable labels WkHrSit '(D) Total time spent sitting on weekday'.
```

WEHRSIT: (D) Total time spent sitting on weekend day
SPSS syntax

```
compute WeHrSit=0.
IF wesit2h>-1 | wesit2m>-1 WeHrSit=WeHrSit+wesit2m+(wesit2h*60).
IF any(-8,wesit2h, wesit2m) WeHrSit=-8.
IF any(-9,wesit2h, wesit2m) WeHrSit=-9.
IF any(-1,wesit2h, wesit2m) WeHrSit=-1.
IF age<=15 WeHrSit=-1.
Variable labels WeHrSit '(D) Total time spent sitting on weekend day'.
```

WKHRSIT2: (D) Total time spent other sedentary weekday – grouped

  1 Less than 2 hours
  2 2 to less than 4 hours
  3 4 hours or more

WEHRSIT2: (D) Total time spent other sedentary weekend – grouped

    1 Less than 2 hours
    2 2 to less than 4 hours
    3 4 hours or more

SPSS syntax

```
COMPUTE wehrsit2=-5.
IF range(wehrsit,0,119.999) wehrsit2=1.
IF range(wehrsit,120.00,239.9999) wehrsit2=2.
IF range(wehrsit,240,1200) wehrsit2=3.
if wehrsit =-8 wehrsit2=-8.
if wehrsit =-9 wehrsit2=-9.
IF age<=15 wehrsit2=-1.
exe.
Variable labels wehrsit2 '(D) Total time spent other sedentary weekend - grouped'.
val labels wehrsit2
1 "Less than 2 hours"
2 "2 to less than 4 hours"
3 "4 hours or more".
```

WKHRSTV2: (D) Total timespent watching TV weekday – grouped

    1 Less than 2 hours
    2 2 to less than 4 hours
    3 4 hours or more

SPSS syntax

```
COMPUTE wkhrstv2=-5.
IF range(wkhrstv,0,119.999) wkhrstv2=1.
IF range(wkhrstv,120.00,239.9999) wkhrstv2=2.
IF range(wkhrstv,240,1200) wkhrstv2=3.
if wkhrstv =-8 wkhrstv2=-8.
if wkhrstv =-9 wkhrstv2=-9.
IF age<=15 wkhrstv2=-1.
exe.
Variable labels wkhrstv2 '(D) Total time spent Watching TV weekday - grouped'.
val labels wkhrstv2
1 "Less than 2 hours"
2 "2 to less than 4 hours"
3 "4 hours or more".
```

WEHRSTV2: (D) Total time spent watching TV weekend – grouped

    1 Less than 2 hours
    2 2 to less than 4 hours
    3 4 hours or more

SPSS syntax

```
COMPUTE wehrstv2=-5.
IF range(wehrstv,0,119.999) wehrstv2=1.
IF range(wehrstv,120.00,239.9999) wehrstv2=2.
IF range(wehrstv,240,12600) wehrstv2=3.
if wehrstv =-8 wehrstv2=-8.
if wehrstv =-9 wehrstv2=-9.
IF age<=15 wehrstv2=-1.
exe.
Variable labels wehrstv2 '(D) Total time spent Watching TV weekend - grouped'.
val labels wehrstv2
1 "Less than 2 hours"
2 "2 to less than 4 hours"
3 "4 hours or more".
```

WKHRSTOT: (D) Total sedentary time on weekday (mins)

SPSS syntax

```
compute wkhrstot=0.
IF wkhrstv>=0 wkhrstot=wkhrstv.
```

```
IF wkhrsit>=0 wkhrstot=wkhrsit.
IF wkhrsit>=0 and wkhrstv>=0 wkhrstot=(wkhrstv+wkhrsit).
IF any(-8,wkhrsit, wkhrstv) wkhrstot=-8.
IF any(-9,wkhrsit, wkhrstv) wkhrstot=-9.
IF age<=15 wkhrstot=-1.
Variable labels wkhrstot '(D) Total sedentary time on weekday (mins)'.
```

WKHRSTOT2: (D) Total time sedentary on weekdays – grouped
WKHRSTOT4: (D) Total time sedentary on weekdays – grouped 4 hours
   1 Less than 4 hours
   2 4 hours or more

SPSS syntax

```
COMPUTE wkhrstot2=-5.
IF range(wkhrstot,0,119.999) wkhrstot2=1.
IF range(wkhrstot,120.00,239.9999) wkhrstot2=2.
IF range(wkhrstot,240,1800) wkhrstot2=3.
if wkhrstot=-8 wkhrstot2=-8.
if wkhrstot=-9 wkhrstot2=-9.
IF age<=15 wkhrstot2=-1.
Variable labels wkhrstot2 '(D) Total time sedentary on weekdays- grouped'.
val labels wkhrstot2
1 "Less than 2 hours"
2 "2 to less than 4 hours"
3 "4 hours or more".

recode wkhrstot2 (1 thru 2=1)(3 thru 4=2)(ELSE=copy) into wkhrstot4.
VARIABLE LABELS wkhrstot4  '(D) Total time sedentary on weekdays - grouped 4 hours'.
VALUE LABELS wkhrstot4
 1 "Less than 4 hours"
 2 "4 hours or more".
```

WEHRSTOT: (D) Total sedentary time on weekend day (mins)
SPSS syntax

```
compute wehrstot=0.
IF wehrstv>=0 wehrstot=wehrstv .
IF wehrsit>=0 wehrstot=wehrsit.
IF wehrsit>=0 and wehrstv>=0 wehrstot=(wehrstv +wehrsit).
IF any(-8,wehrsit, wehrstv ) wehrstot=-8.
IF any(-9,wehrsit, wehrstv ) wehrstot=-9.
IF age<=15 wehrstot=-1.
Variable labels wehrstot '(D) Total sedentary time on weekend day (mins)'.
exe.
```

WEHRSTOT2: (D) Total time sedentary at weekends - grouped
WEHRSTOT4: (D) Total time sedentary at weekends – grouped 4 hours
   1 Less than 4 hours
   2 4 hours or more

SPSS syntax

```
COMPUTE wehrstot2=-5.
IF range(wehrstot,0,119.999) wehrstot2=1.
IF range(wehrstot,120.00,239.9999) wehrstot2=2.
IF range(wehrstot,240,1800) wehrstot2=3.
if wehrstot=-8 wehrstot2=-8.
if wehrstot=-9 wehrstot2=-9.
IF age<=15 wehrstot2=-1.
exe.
Variable labels wehrstot2 '(D) Total time sedentary at weekends- grouped'.
val labels wehrstot2 1 "Less than 2 hours"
2 "2 to less than 4 hours"
3 "4 hours or more".

recode wehrstot2 (1 thru 2=1)(3 thru 4=2)(ELSE=copy) into wehrstot4.
VARIABLE LABELS wehrstot4  '(D) Total time sedentary at weekends- grouped 4 hours'.
VALUE LABELS wehrstot4
 1 "Less than 4 hours"  2 "4 hours or more".
```

WKHRTOT4G: (D) Total time spent sedentary weekday - grouped
   1 Less than 2 hours
   2 2 to less than 4 hours
   3 4 hours to 6
   4 6 hours or more

SPSS syntax

```
Numeric  wkhrtot4g (F2).
COMPUTE wkhrtot4g=-5.
IF range(wkhrstot,0,119.999) wkhrtot4g=1.
```

```
IF range(wkhrstot,120.00,239.9999) wkhrtot4g=2.
IF range(wkhrstot,240,359.999) wkhrtot4g=3.
IF range(wkhrstot,360,11800) wkhrtot4g=4.
IF wkhrstot<0 wkhrtot4g=wkhrstot.
IF age<=15 wkhrtot4g=-1.
Variable labels wkhrtot4g '(D) Total time spent sedentary weekday - grouped'.
val labels wkhrtot4g
-9 "Refused"
-8 "Don't know"
-1 "Not applicable"
1 "Less than 2 hours"
2 "2 to less than 4 hours"
3 "4 hours to 6"
4 "6 hours or more".
```

WEHRTOT4G: (D) Total time spent sedentary weekend - grouped

1 Less than 2 hours
2 2 to less than 4 hours
3 4 to less than 6 hours
4 6 hours or more

SPSS syntax

```
Numeric wehrtot4g (f2).
COMPUTE wehrtot4g=-5.
IF range(wehrstot,0,119.999) wehrtot4g=1.
IF range(wehrstot,120.00,239.9999) wehrtot4g=2.
IF range(wehrstot,240,359.999) wehrtot4g=3.
IF range(wehrstot,360,11800) wehrtot4g=4.
IF wehrstot<0 wehrtot4g=wehrstot.
IF age<=15 wehrtot4g=-1.
exe.
Variable labels wehrtot4g '(D) Total time spent sedentary weekend - grouped'.
val labels wehrtot4g -9 "Refused"  -8 "Don't know" -1 "Not applicable" 1 "Less than 2 hours" 2 "2 to less than 4 hours"  3 "4 to less than 6 hours"
4 "6 hours or more".
```

WKHRSTOTA: (D) Total sedentary time on weekday (hours)

SPSS syntax

```
Numeric wkhrstota (F2).
compute  wkhrstota = wkhrstot   /60.
IF wkhrstot = -8 wkhrstota = -8.
IF wkhrstot  = -9 wkhrstota = -9.
IF wkhrstot  = -1 wkhrstota = -1.
variable labels wkhrstota "(D) Total sedentary time on weekday (hours)".
add value labels wkhrstota  -1 "Not applicable"  -8 "Don't know" -9 "Refused".
```

WEHRSTOTA: (D) Total sedentary time on weekend day (hours)

SPSS syntax

```
Numeric wehrstota (F2).
compute wehrstota =  wehrstot/60.
IF wehrstot = -8 wehrstota = -8.
IF wehrstot  = -9 wehrstota = -9.
IF wehrstot  = -1 wehrstota = -1.
variable labels wehrstota "(D) Total sedentary time on weekend day (hours)".
add value labels wehrstota
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
```

WKHRSTVA: (D) Total time spent watching TV on weekday (hours)

SPSS syntax

```
Numeric wkhrstva (F2).
compute wkhrstva =  wkhrstv /60.
if wkhrstv =-8 wkhrstva =-8.
if wkhrstv =-1 wkhrstva =-1.
if wkhrstv =-9 wkhrstva =-9.
variable labels  wkhrstva "(D) Total time spent watching TV on weekday (hours)".
add value labels wkhrstva
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
exe.
```

WEHRSTVA: (D) Total time spent watching TV on weekend day (hours)

SPSS syntax

```
Numeric wehrstva (F2).
compute wehrstva =  wehrstv /60.
if wehrstv  =-8 wehrstva =-8.
if wehrstv  =-1 wehrstva =-1.
if wehrstv  =-9 wehrstva =-9.
variable labels wehrstva "(D) Total time spent watching TV on weekend day (hours)".
add value labels wehrstva
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
exe.
```

WKHRSITA: (D) Total time spent sitting on weekday (hours)

SPSS syntax

```
Numeric wkhrsita (F2).
compute wkhrsita =  wkhrsit /60.
if wkhrsit = -8 wkhrsita =-8.
if wkhrsit = -1 wkhrsita =-1.
if wkhrsit = -9 wkhrsita =-9.
variable labels wkhrsita "(D) Total time spent sitting on weekday (hours)".
add value labels wkhrsita
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
exe.
```

WEHRSITA: (D) Total time spent sitting on weekend day (hours)

SPSS syntax

```
Numeric wehrsita (F2).
compute  wehrsita =  wehrsit   /60.
if wehrsit  =-8 wehrsita =-8.
if wehrsit  =-1 wehrsita =-1.
if wehrsit  =-9 wehrsita =-9.
exe.
variable labels wehrsita "(D) Total time spent sitting on weekend day (hours)".
add value labels wehrsita
-1 "Not applicable"
-8 "Don't know"
-9 "Refused".
```

WKHRTOT240: (D) Total time spent sedentary weekday – grouped

1 Less than 4 hours
2 4 hours or more

SPSS syntax

```
Numeric wkhrtot240 (F2).
COMPUTE wkhrtot240=-99.
IF range(wkhrstot,0,239.999) wkhrtot240=1.
IF range(wkhrstot,240,112800) wkhrtot240=2.
IF wkhrstot<0 wkhrtot240=wkhrstot.
IF age<=15 wkhrtot240=-1.
Variable labels wkhrtot240 '(D) Total time spent sedentary weekday - grouped'.
val labels wkhrtot240
-9 "Refused"
-8 "Don't know"
-1 "Not applicable"
1 "Less than 4 hours" 2 "4 hours or more".
```

WEHRTOT240: (D) Total time spent sedentary weekend day - grouped

1 Less than 4 hours
2 4 hours or more

SPSS syntax

```
Numeric wehrtot240 (F2).
COMPUTE wehrtot240=-5.
IF range(wehrstot,0,239.999) wehrtot240=1.
IF range(wehrstot,240,11800) wehrtot240=2.
IF age<=15 wehrtot240=-1.
IF WEHRSTOT = -8 wehrtot240 = -8.
IF WEHRSTOT = -9 wehrtot240 = -9.
Variable labels wehrtot240 '(D) Total time spent sedentary weekend day - grouped'.
val labels wehrtot240
-9 "Refused" -8 "Don't know" -1 "Not applicable" 1 "Less than 4 hours" 2 "4 hours or more".
```

Adult Summary

AD10TOT08WK: (D) Occasions/4 week 10+min any activities - including occupational activity
AD10TOT08WK2: (D) Occasions/4 week 10+min any activities - including occupational activity (grouped)
> 0 None
> 1 1 to 3 days
> 2 4 to 11 days
> 3 12 to 19 days
> 4 20 days or more

SPSS syntax

```
COMPUTE ad10tot08wk=0.
IF range(ad10spt,1,120) ad10tot08wk= ad10tot08wk+ad10spt.
IF range(ad10wlk,1,28) ad10tot08wk= ad10tot08wk+ad10wlk.
IF range(ad10man,1,28) ad10tot08wk= ad10tot08wk +ad10man.
IF range(ad10hwk,1,28) ad10tot08wk = ad10tot08wk +ad10hwk.
IF range(ad10wrk08,1,28) ad10tot08wk = ad10tot08wk +ad10wrk08.
exe.
IF any(-8,ad10spt,ad10wlk,ad10man,ad10hwk) ad10tot08wk =-8.
IF any(-9,ad10spt,ad10wlk,ad10man,ad10hwk) ad10tot08wk =-9.
exe.
IF age<=15 ad10tot08wk =-1.
recode ad10tot08wk (28 thru hi=28).
Recode ad10tot08wk (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO
ad10tot08wk2.
exe.
variable label ad10tot08wk '(D) Occasions/4 week 10+min any activities - including occupational activity'.
variable label ad10tot08wk2 '(D) Occasions/4 week 10+min any activities - including occupational activity
(grouped)'.
value labels ad10tot08wk2  0 'None'   1 '1 to 3 days'  2 '4 to 11 days'  3 '12 to 19 days'
 4 '20 days or more'.
```

TOT10ANY08: (D) All activities - any (10+min) or none - excluding occupational activity
TOT10ANY08WK: (D) All activities - any (10+min) or none - including occupational activity
> 0 None
> 1 Any

SPSS syntax

```
Recode ad10tot082 (1 thru hi=1) (else=copy) INTO tot10any08.
variable label tot10any08 '(D) All activities  - any (10+min) or none - excluding occupational activity'.
Recode ad10tot08wk2 (1 thru hi=1) (else=copy) INTO tot10any08wk.
variable label tot10any08wk '(D) All activities  - any (10+min) or none - including occupational
activity'.
value labels tot10any08wk
 0 'None'  1 'Any'.
```

AD10TOT08: (D) Occasions/4 week 10+min any activities - excluding occupational activity (grouped)
AD10TOT082: (D) Occasions/4 week 10+min any activities - excluding occupational activity (grouped)
> 0 None
> 1 1 to 3 days
> 2 4 to 11 days
> 3 12 to 19 days
> 4 20 days or more

SPSS syntax

```
COMPUTE ad10tot08wk=0.
IF range(ad10spt,1,120) ad10tot08wk= ad10tot08wk+ad10spt.
IF range(ad10wlk,1,28) ad10tot08wk= ad10tot08wk+ad10wlk.
IF range(ad10man,1,28) ad10tot08wk= ad10tot08wk +ad10man.
IF range(ad10hwk,1,28) ad10tot08wk = ad10tot08wk +ad10hwk.
IF range(ad10wrk08,1,28) ad10tot08wk = ad10tot08wk +ad10wrk08.
exe.
IF any(-8,ad10spt,ad10wlk,ad10man,ad10hwk) ad10tot08wk =-8.
IF any(-9,ad10spt,ad10wlk,ad10man,ad10hwk) ad10tot08wk =-9.
exe.
IF age<=15 ad10tot08wk =-1.
recode ad10tot08wk (28 thru hi=28).
Recode ad10tot08wk (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO
ad10tot08wk2.
exe.
variable label ad10tot08wk '(D) Occasions/4 week 10+min any activities - including occupational activity'.
variable label ad10tot08wk2 '(D) Occasions/4 week 10+min any activities - including occupational activity
(grouped)'.
value labels ad10tot08wk2
```

```
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'
 4 '20 days or more'.
```

TOT10ANY08: (D) All activities - any (10+min) or none - excluding occupational activity

     0 None
     1 Any

SPSS syntax

```
Recode ad10tot082 (1 thru hi=1) (else=copy) INTO tot10any08.
variable label tot10any08 '(D) All activities  - any (10+min) or none - excluding occupational activity'.
value labels tot10any08
 0 'None'
 1 'Any'.
```

AD10TOT12: (D) Occasions/4 week 10+min any activities - excluding occup but incl new walk qn for over 65s
AD10TOT12G: (D) Occasions/4 week 10+min any activities - excluding occup but incl new walk qn for over 65s (grouped)

     0 None
     1 1 to 3 days
     2 4 to 11 days
     3 12 to 19 days
     4 20 days or more

SPSS syntax

```
COMPUTE ad10tot12=0.
IF range(ad10spt,1,28) ad10tot12=ad10tot12+ad10spt.
IF range(ad10wlk65,1,28) ad10tot12=ad10tot12+ad10wlk65.
IF range(ad10man,1,28) ad10tot12=ad10tot12+ad10man.
IF range(ad10hwk,1,28) ad10tot12=ad10tot12+ad10hwk.
IF any(-8,ad10spt,ad10wlk,ad10man,ad10hwk,walk65) ad10tot12=-8.
IF any(-9,ad10spt,ad10wlk,ad10man,ad10hwk,walk65) ad10tot12=-9.
IF age<=15 ad10tot12=-1.
recode ad10tot12 (28 thru hi=28).
Recode ad10tot12 (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO ad10tot12g.
variable label ad10tot12 '(D) Occasions/4 week 10+min any activities - excluding occup but incl new walk
qn for over 65s'.
variable label ad10tot12g '(D) Occasions/4 week 10+min any activities - excluding occup but incl new walk
qn for over 65s (grouped)'.
value labels ad10tot12g
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'   4 '20 days or more'.
```

HRS10TOT08: (D) Average hours doing all physical activities for 10+ mins per week - excluding occupational activity
HRS10TOT08G: (D) Average hours doing all physical activities for 10+ mins per week - excluding occupational activity (grouped)

     0 No time
     1 Less than 1 hour
     2 1, less than 3 hours
     3 3, less than 5 hours
     4 5, less than 7 hours
     5 7 hours or more

SPSS syntax

```
compute hrs10tot08=0.
IF hrs10hwk>=0 hrs10tot08=hrs10tot08+hrs10hwk.
IF hrs10man>=0 hrs10tot08=hrs10tot08+hrs10man.
IF hrs10wlka>=0 hrs10tot08=hrs10tot08+hrs10wlka.
IF hrs10spt>=0 hrs10tot08=hrs10tot08+hrs10spt.
exe.
IF any(-8,hrs10hwk,hrs10man,hrs10wlka,hrs10spt) hrs10tot08=-8.
IF any(-9,hrs10hwk,hrs10man,hrs10wlka,hrs10spt) hrs10tot08=-9.
exe.
IF age<=15 hrs10tot08=-1.
exe.
recode hrs10tot08 (60 thru hi=60).
exe.
Compute hrs10tot08g =0.
IF hrs10tot08>0 AND hrs10tot08<1 hrs10tot08g =1.
IF hrs10tot08>=1 AND hrs10tot08<3 hrs10tot08g =2.
IF hrs10tot08>=3 AND hrs10tot08<5 hrs10tot08g =3.
IF hrs10tot08>=5 AND hrs10tot08<7 hrs10tot08g =4.
IF hrs10tot08>=7 hrs10tot08g =5.
```

```
IF hrs10tot08<=0 hrs10tot08g =hrs10tot08.
variable label hrs10tot08 '(D) Average hours doing all physical activities for 10+ mins per week -
excluding occupational activity'.
variable label hrs10tot08g '(D) Average hours doing all physical activities for 10+ mins per week -
excluding occupational activity (grouped)'.
value labels hrs10tot08g
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
```

MINS10TOT08: (D) Average minutes doing all physical activities for 10+ mins per week -
excluding occupational activity
MINS10TOT08G: (D) Average minutes doing all physical activities for 10+ mins per week -
excluding occupational activity (grouped)

    0 No time
    1 Less than 75 minutes
    2 75 to 149 minutes
    3 150 to 299 minutes
    4 300 to 419 minutes
    5 420 minutes or more

SPSS syntax

```
compute mins10tot08=0.
IF mins10hwk>=0 mins10tot08=mins10tot08+mins10hwk.
IF mins10man>=0 mins10tot08=mins10tot08+mins10man.
IF mins10wlka>=0 mins10tot08=mins10tot08+mins10wlka.
IF mins10sptb>=0 mins10tot08=mins10tot08+mins10sptb.
exe.
IF any(-8,mins10hwk,mins10man,mins10wlka,mins10sptb) mins10tot08=-8.
IF any(-9,mins10hwk,mins10man,mins10wlka,mins10sptb) mins10tot08=-9.
exe.
IF age<=15 mins10tot08=-1.
exe.
recode mins10tot08 (3600 thru hi=3600).
exe.

Compute mins10tot08g =0.
IF mins10tot08>0 AND mins10tot08<75.00 mins10tot08g =1.
IF range(mins10tot08,75.0,149.9999) mins10tot08g=2.
IF range(mins10tot08,150.0,299.9999) mins10tot08g=3.
IF range(mins10tot08,300.0,419.9999) mins10tot08g=4.
IF mins10tot08>=420.0 mins10tot08g=5.
IF mins10tot08<0 mins10tot08g=mins10tot08.
exe.
variable label mins10tot08 '(D) Average minutes doing all physical activities for 10+ mins per week -
excluding occupational activity'.
variable label mins10tot08g '(D) Average minutes doing all physical activities for 10+ mins per week -
excluding occupational activity (grouped)'.
value labels mins10tot08g
 0 'No time'
 1 'Less than 75 minutes'
 2 '75 to 149 minutes'
 3 '150 to 299 minutes'
 4 '300 to 419 minutes'
 5 '420 minutes or more'.
```

HRS10TOT08WK: (D) Average hours doing all physical activities for 10+ mins per week -
including occupational activity
HRS10TOT08WKG: (D) Average hours doing all physical activities for 10+ mins per week -
including occupational activity (grouped)

    0 No time
    1 Less than 1 hour
    2 1, less than 3 hours
    3 3, less than 5 hours
    4 5, less than 7 hours
    5 7 hours or more

SPSS syntax

```
compute hrs10tot08wk=0.
IF hrs10hwk>=0 hrs10tot08wk=hrs10tot08wk+hrs10hwk.
IF hrs10man>=0 hrs10tot08wk=hrs10tot08wk+hrs10man.
IF hrs10wlka>=0 hrs10tot08wk=hrs10tot08wk+hrs10wlka.
IF hrs10spt>=0 hrs10tot08wk=hrs10tot08wk+hrs10spt.
IF hrs10wrk08>=0 hrs10tot08wk=hrs10tot08wk+hrs10wrk08.
IF any(-8,hrs10hwk,hrs10man,hrs10wlka,hrs10spt,hrs10wrk08) hrs10tot08wk=-8.
IF any(-9,hrs10hwk,hrs10man,hrs10wlka,hrs10spt,hrs10wrk08) hrs10tot08wk=-9.
IF age<=15 hrs10tot08wk=-1.
recode hrs10tot08wk (60 thru hi=60).
```

```
exe.
Compute hrs10tot08wkg =0.
IF hrs10tot08wk>0 AND hrs10tot08wk<1 hrs10tot08wkg =1.
IF hrs10tot08wk>=1 AND hrs10tot08wk<3 hrs10tot08wkg =2.
IF hrs10tot08wk>=3 AND hrs10tot08wk<5 hrs10tot08wkg =3.
IF hrs10tot08wk>=5 AND hrs10tot08wk<7 hrs10tot08wkg =4.
IF hrs10tot08wk>=7 hrs10tot08wkg =5.
IF hrs10tot08wk<=0 hrs10tot08wkg =hrs10tot08wk.
exe.
variable label hrs10tot08wk '(D) Average hours doing all physical activities for 10+ mins per week -
including occupational activity'.
variable label hrs10tot08wkg '(D) Average hours doing all physical activities for 10+ mins per week -
including occupational activity (grouped)'.
value labels hrs10tot08wkg
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
```

MINS10TOT12WRK: (D) New MVPA recommendations using 2012 Qns
MINS10TOT12WKG: (D) New MVPA recommendations using 2012 Qns (grouped)
>
> 1 Meets guidelines
> 2 Some activity
> 3 Low activity
> 4 Inactive

SPSS syntax

```
COMPUTE mins10tot12wrk=0.
IF range(mins10hwk,1,4000) mins10tot12wrk=mins10tot12wrk+mins10hwk.
IF range(mins10man,1,6000) mins10tot12wrk=mins10tot12wrk+mins10man.
IF range(mins10wlk65,1,100000) mins10tot12wrk=mins10tot12wrk+mins10wlk65.
IF range(mins10spta,1,2400) mins10tot12wrk=mins10tot12wrk+mins10spta.
IF range(mins10wrk12,1,2400) mins10tot12wrk=mins10tot12wrk+mins10wrk12.
exe.
recode mins10tot12wrk (3600 thru hi=3600).
if age<16 mins10tot12wrk=-1.
exe.
IF any(-9,hswrkhm, hwrklsthm, hvyhwkhm,hvydyhm, hwtimhm) OR any(-9, gardnhm, gardlistm, manwrkhm, mndayhm,
diytimhm) OR any(-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,walk65,tottim,walkpace) mins10tot12wrk=-9.
IF any(-8,hswrkhm, hwrklsthm, hvyhwkhm,hvydyhm, hwtimhm) OR any(-8,gardnhm, gardlistm, manwrkhm, mndayhm,
diytimhm) OR any(-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,walk65,tottim,walkpace) mins10tot12wrk=-8.
If any(-
9,wrkact22,wrkact23,wrkact24,wrkdays,wkactwlk,wkactclb,wkactlft,xsoc2000,wrkcliev,wrklftev,wrkclid,wrklftd
) mins10tot12wrk=-9.
If any(-
8,wrkact22,wrkact23,wrkact24,wrkdays,wkactwlk,wkactclb,wkactlft,xsoc2000,wrkcliev,wrklftev,wrkclid,wrklftd
) mins10tot12wrk=-8.
IF any(-8,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
           act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
           act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) mins10tot12wrk=-8.
exe.
if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
           act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
            excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) mins10tot12wrk=-9.
exe.

* Grouped.
Compute mins10tot12wkg =-5.
IF range(mins10tot12wrk,150.0000,3600) mins10tot12wkg=1.
IF range(mins10tot12wrk,60.0000,149.99999) mins10tot12wkg=2.
IF range(mins10tot12wrk,30.0000,59.99999) mins10tot12wkg=3.
IF range(mins10tot12wrk,0.0000,29.99999) mins10tot12wkg=4.
IF mins10tot12wrk<0 mins10tot12wkg =mins10tot12wrk.
exe.
value labels mins10tot12wkg
1 'Meets guidelines'
2 'Some activity'
3 'Low activity'
4 'Inactive'.
var label  mins10tot12wrk "(D) New recommendations using 2012 Qns".
var label  mins10tot12wkg "(D) New recommendations using 2012 Qns (grouped)".
FORMATS mins10tot12wrk (F4.2).
```

MINS10TOT0812: (D) New MVPA recommendations using 2012 data comparable to 08
MINS10TOT0812G: (D) New MVPA recommendations using 2012 data comparable to 08 (grouped)

    1 Meets guidelines
    2 Some activity
    3 Low activity
    4 Inactive

SPSS syntax

```
COMPUTE mins10tot0812=0.
IF range(mins10hwk,1,4000) mins10tot0812=mins10tot0812+mins10hwk.
IF range(mins10man,1,3600) mins10tot0812=mins10tot0812+mins10man.
IF range(mins10wlka,1,100000) mins10tot0812=mins10tot0812+mins10wlka.
IF range(mins10spta,1,2400) mins10tot0812=mins10tot0812+mins10spta.
IF range(mins10wrk08,1,2400) mins10tot0812=mins10tot0812+mins10wrk08.
exe.
recode mins10tot0812 (3600 thru hi=3600).
exe.
if age<16 mins10tot0812=-1.
IF any(-9,hswrkhm, hwrklsthm, hvyhwkhm,hvydyhm, hwtimhm) OR any(-9, gardnhm, gardlistm, manwrkhm, mndayhm,
diytimhm) OR any(-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,walk65,tottim,walkpace) mins10tot0812=-9.
IF any(-8,hswrkhm, hwrklsthm, hvyhwkhm,hvydyhm, hwtimhm) OR any(-8,gardnhm, gardlistm, manwrkhm, mndayhm,
diytimhm) OR any(-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,walk65,tottim,walkpace) mins10tot0812=-8.
If any(-
9,wrkact22,wrkact23,wrkact24,wrkdays,wkactwlk,wkactclb,wkactlft,xsoc2000,wrkcliev,wrklftev,wrkclid,wrklftd
) mins10tot0812=-9.
If any(-
8,wrkact22,wrkact23,wrkact24,wrkdays,wkactwlk,wkactclb,wkactlft,xsoc2000,wrkcliev,wrklftev,wrkclid,wrklftd
) mins10tot0812=-8.
IF any(-8,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
          act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) mins10tot0812=-8.
exe.

if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
          act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
          excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10) mins10tot0812=-9.
exe.

* Grouped.
Compute mins10tot0812g =-5.
IF range(mins10tot0812,150.0000,3600) mins10tot0812g=1.
IF range(mins10tot0812,60.0000,149.99999) mins10tot0812g=2.
IF range(mins10tot0812,30.0000,59.99999) mins10tot0812g=3.
IF range(mins10tot0812,0.0000,29.99999) mins10tot0812g=4.
IF mins10tot0812<0 mins10tot0812g=mins10tot0812.
Exe.
value labels mins10tot0812g
1 'Meets guidelines'
2 'Some activity'
3 'Low activity'
4 'Inactive'.
VARIABLE LABELS mins10tot0812 "(D) New recommendations using 2012 data comparable to 08".
VARIABLE LABELS mins10tot0812g "(D) New recommendations using 2012 data comparable to 08 (grouped)".
formats mins10tot0812 (F4.2).
```

MINS10TOT12: (D) Average minutes doing all physical activities for 10+ mins per week - excluding occupational activity - incl new work Qns (grouped)
MINS10TOT12G: (D) Average minutes doing all physical activities for 10+ mins per week - excluding occupational activity - incl new work Qns (grouped)

    0 No time
    1 Less than 75 minutes
    2 75 to 149 minutes
    3 150 to 299 minutes
    4 300 to 419 minutes
    5 420 minutes or more

SPSS syntax

```
compute mins10tot12=0.
IF mins10hwk>=0 mins10tot12=mins10tot12+mins10hwk.
IF mins10man>=0 mins10tot12=mins10tot12+mins10man.
IF mins10wlk65>=0 mins10tot12=mins10tot12+mins10wlk65.
IF mins10sptb>=0 mins10tot12=mins10tot12+mins10sptb.
exe.
IF any(-8,mins10hwk,mins10man,mins10wlka,mins10sptb,walk65) mins10tot12=-8.
```

```
IF any(-9,mins10hwk,mins10man,mins10wlka,mins10sptb,walk65) mins10tot12=-9.
exe.
IF age<=15 mins10tot12=-1.
exe.
recode mins10tot12 (3600 thru hi=3600).
exe.

Compute mins10tot12g =-5.
IF mins10tot12=0 mins10tot12g=0.
IF (mins10tot12>0.000 & mins10tot12<75.000) mins10tot12g=1.
IF range(mins10tot12,75.0,149.9999) mins10tot12g=2.
IF range(mins10tot12,150.0,299.9999) mins10tot12g=3.
IF range(mins10tot12,300.0,419.9999) mins10tot12g=4.
IF mins10tot12>=420.0 mins10tot12g=5.
IF mins10tot12<0 mins10tot12g=mins10tot12.
exe.
variable labels mins10tot12 '(D) Average minutes doing all physical activities for 10+ mins per week -
excluding occupational activity - incl new work Qns'.
variable labels mins10tot12g '(D) Average minutes doing all physical activities for 10+ mins per week -
excluding occupational activity - incl new work Qns (grouped)'.
value labels mins10tot12g
 0 'No time'
 1 'Less than 75 minutes'
 2 '75 to 149 minutes'
 3 '150 to 299 minutes'
 4 '300 to 419 minutes'
 5 '420 minutes or more'.
exe.
formats mins10tot12 (F4.2).
```

RECS12: (D) Meeting current MVPA and muscle-strengthening recommendations

        1 Meets both guidelines
        2 MVPA but not strength
        3 Strength but not MVPA
        4 Meets neither guideline

SPSS syntax

```
compute recs12=-5.
if (mins10tot12wkg=1 & ad10Strength2b=2) recs12=1.
if (mins10tot12wkg=1 & ad10Strength2b=1) recs12=2.
if any(mins10tot12wkg,2,3,4) & ad10Strength2b=2 recs12=3.
if any(mins10tot12wkg,2,3,4) & ad10Strength2b=1 recs12=4.
var label recs12 "(D) Meeting current MVPA and muscle-strengthening recommendations".
val labels recs12
1 "Meets both guidelines"
2 "MVPA but not strength"
3 "Strength but not MVPA"
4 "Meets neither guideline".
exe.
if age<16 recs12=-1.
IF any(-9,hswrkhm, hwrklsthm, hvyhwkhm,hvydyhm, hwtimhm) OR any(-9, gardnhm, gardlistm, manwrkhm, mndayhm,
diytimhm) OR any(-9,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,walk65,tottim,walkpace) recs12=-9.
IF any(-8,hswrkhm, hwrklsthm, hvyhwkhm,hvydyhm, hwtimhm) OR any(-8,gardnhm, gardlistm, manwrkhm, mndayhm,
diytimhm) OR any(-8,Wlk5it,wlk10m,daywlk,day1wlk,day2wlk,walk65,tottim,walkpace) recs12=-8.
If any(-
9,wrkact22,wrkact23,wrkact24,wrkdays,wkactwlk,wkactclb,wkactlft,xsoc2000,wrkcliev,wrklftev,wrkclid,wrklftd
) recs12=-9.
If any(-
8,wrkact22,wrkact23,wrkact24,wrkdays,wkactwlk,wkactclb,wkactlft,xsoc2000,wrkcliev,wrklftev,wrkclid,wrklftd
) recs12=-8.
IF any(-8,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
         act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14,
         act15, dayexc15, exctim15, excswt15, act16, dayexc16, exctim16, excswt16, dayexc01, exctim01,
dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10,excmu131, excmu132, excmu133)
recs12=-8.
exe.
if any (-9,act11, dayexc11, exctim11, excswt11, act12, dayexc12, exctim12, excswt12,
         act13, dayexc13, exctim13, excswt13, act14, dayexc14, exctim14, excswt14, act15, dayexc15,
exctim15, excswt15, act16, dayexc16, exctim16,
          excswt16, dayexc01, exctim01, dayexc02, exctim02, dayexc03, exctim03,
dayexc04, exctim04, dayexc05, excswt05, exctim05, dayexc06, exctim06, dayexc07, exctim07,
dayexc08, exctim08, dayexc09, exctim09, dayexc10, exctim10, excswt10,excmu131, excmu132, excmu133)
recs12=-9.
exe.
```

A30TO06: (D) Total number of days active (moderate +) for 30 mins +

SPSS syntax

```
COMPUTE a30to06=0.
IF range(ad30spt,1,28) a30to06=a30to06+ad30spt.
IF range(a30wk06,1,28) a30to06=a30to06+a30wk06.
IF range(a30ma06,1,28) a30to06=a30to06+a30ma06.
IF range(a30hs06,1,28) a30to06=a30to06+a30hs06.
```

```
IF workactg=2 AND ftptime=1 a30to06=a30to06+20.
IF workactg=2 AND ftptime ne 1 a30to06=a30to06+12.
recode a30to06 (28 thru hi=28).
IF any(-8,ad30spt,a30wk06,a30hs06,a30ma06) a30to06=-8.
if any (-9,ad30spt,a30wk06,a30hs06,a30ma06) a30to06=-9.
if range(age,0,15) a30to06=-1.
variable label a30to06 '(D) Total number of days active (moderate +) for 30 mins +'.
exe.
```

A30T06C: (D) Number of days per week any moderate+ activities for 30 mins +

    0 None
    1 Less than 1
    2 1 or 2 a week
    3 3 or 4 a week
    4 5 or more a week

SPSS syntax

```
recode a30to06(1 thru 3=1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy) INTO a30t06c.
variable label a30t06c '(D) Number of days per week any moderate+ activities for 30 mins +'.
value labels a30t06c
0 'None'
1 'Less than 1'
2 '1 or 2 a week'
3 '3 or 4 a week'
4 '5 or more a week'.
```

A30T06A: (D) No. of days moderate + activity for 30 mins + any/none

    0 None
    1 Any

SPSS syntax

```
recode a30t06c (1,2,3,4=1) (else=copy) INTO a30t06a.
variable label a30t06a '(D) No. of days moderate + activity for 30 mins + any/none'.
value labels a30t06a 0 'None'  1 'Any'.
```

A30T06G: (D) Summary moderate + activity level

    1 Group 1 - low
    2 Group 2 - medium
    3 Group 3 - high

SPSS syntax

```
recode a30t06c (0,1=1) (2,3=2) (4=3) (else=copy) INTO a30t06g.
variable label a30t06g '(D) Summary moderate + activity level'.
value labels a30t06g
1 'Group 1 - low' 2 'Group 2 - medium' 3 'Group 3 - high'.
```

RECS12_1

    1 Inactive
    2 Low activity
    3 Some activity or meets MVPA guidelines

SPSS syntax

```
recode  mins10tot12wkg (1 thru 2=3) (3 =2) (4 =1) (else=copy) INTO recs12_1.
variable labels recs12_1 "(D) Current MVPA recomendations, 3 groups (some activity or meets guidelines
combined)".
value labels recs12_1
1 "Inactive"
2 "Low activity"
3 "Some activity or meets MVPA guidelines".
```

RECS12_2

    1 Inactive
    2 Low or some activity
    3 Meets MVPA guidelines

SPSS syntax

```
recode  mins10tot12wkg (1=3) (2 thru 3=2) (4 =1) (else=copy) INTO recs12_2.
variable labels recs12_2 "(D) Current MVPA recommendations, 3 groups (low or some activity combined)".
value labels recs12_2
1 "Inactive"
2 "Low or some activity"
3 "Meets MVPA guidelines".
```

Smoking

Adults General

CIGPIPENOW: (D) Current user of cigars or pipes, 16+yrs (c+sc)

0   Has never smoked
1   Ever smoked but not currently smoking a cigar or pipe
2   Ever smoked but questions about cigar or pipe not applicable
3   Currently smokes a cigar or pipe

SPSS Syntax

```
COMPUTE CigPipeNow=-99.
IF SmkEvr<0 CigPipeNow=SmkEvr.
IF SmkEvr=2 CigPipeNow=0.
IF SmkEvr=1 & age>=18 & ( (pipenowA=2 & sex=1) | cigarnow=2) CigPipenow=1.
IF SmkEvr=1  & age>=16 & ((pipenowA=-1 & sex=1) | cigarnow=-1) CigPipeNow=2.
IF SmkEvr=1  & age>=18 & ( (pipenowA=1 & sex=1) | cigarnow=1) CigPipenow=3.
IF range(age,0,15)  cigPipeNow=-1.
Freq CigPipenow.
VARIABLE LABELS CigPipeNow "(D) Current user of cigars or pipes, 16+yrs (c+sc)".
VALUE LABELS CigPipeNow
-9 "No answer/refused"
-8 "Don't know"
-1 "Item not applicable"
 0 "Has never smoked"
 1 "Ever smoked but not currently smoking a cigar or pipe"
 2 "Ever smoked but questions about cigar or pipe not applicable"
 3 "Currently smokes a cigar or pipe".
```

CIGST1: (D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current

1   Never smoked cigarettes at all
2   Used to smoke cigarettes occasionally
3   Used to smoke cigarettes regularly
4   Current cigarette smoker

SPSS Syntax

```
IF any(2,cigevr,smkevr) 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 cigdyal (-9=4)(-8=4)(-1=-1)(20 thru hi=3)(10 thru 20=2)(0 thru 10=1) INTO cigst2.
RECODE cignow (-9=-9)(-8=-8)(2=5) INTO cigst2.
RECODE smkevr (-9=-9)(-8=-8)(-1=-1)(2=5) INTO cigst2.
IF age<16 cigst2=-1.
VARIABLE LABEL cigst2 "(D) Cigarette Smoking Status - Banded current smokers".
VALUE LABELS cigst2
  1 "Light smokers, under 10 a day"
  2 "Moderate smokers, 10 to under 20 a day"
  3 "Heavy smokers, 20 or more a day"
  4 "Don't know number smoked a day"
  5 "Non-smoker".
```

EXPSMOK3: (D) Any adult self-reported exposure to other people's smoke, 16+, binary (c+sc)

    1   No
    2   Yes

SPSS Syntax

```
COMPUTE Expsmok3 = -99.
RECODE Expsmok (0=1) (0 thru HI=2)(ELSE=COPY) INTO Expsmok3.
IF RANGE(age,0,15) Expsmok3=-1.
VARIABLE LABELS Expsmok3 "(D) Any adult self-reported exposure to other people's smoke, 16+, binary
(c+sc)".
VALUE LABELS Expsmok3 -9 "Refused"  -8 "Don't know" -1 "Not applicable"  1 "No"   2 "Yes" .
```

Adult Current Smokers

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

SPSS Syntax

```
IF cigwday>=0 & cigwend>=0 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".
```

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".
```

Current Nicotine Status

NICUSE7D: (D) Used nicotine products in last 7 days, 16+yrs (nurse)

    1   Uses nicotine products
    2   Doesn't use nicotine products

SPSS Syntax

```
COMPUTE NicUse7D=-99.
IF (Nuroutc<>81 | range(age,0,15)) NicUse7D=-1.
IF ANY(1, NR7Day_1, NR7Day_2, NR7Day_3, NR7Day_4, NR7Day_5, NR7Day_6, NR7Day_7, NR7Day_8) NicUse7D=1.
IF NR7Day_9=1 NicUse7D=2.
VARIABLE LABELS NicUse7D "(D) Used nicotine products in last 7 days, 16+yrs (nurse)".
VALUE LABELS NicUse7D  1 "Uses nicotine products"
 2 "Doesn't use nicotine products" -1 "Not applicable"  -9 "Refused" -8 "Don't know".
```

Cotinine

COTVAL : (D) Valid continine result (saliva)

SPSS Syntax

```
compute cotval=cotinine.
ng/ml"   2 "At least 12+ ng/ml" .
```

COT12VALKIDS : (D) Cotinine below/ above 12ng/ml (children 4-15) excl current use of NDPs

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

SPSS Syntax

```
COMPUTE Cot12valkids=-99.
RECODE Cotinine (lo thru -1=COPY)(12 thru hi=2)(0 thru 12=1) INTO Cot12valkids.
if RANGE(age,0,3) | RANGE(age,16,120) Cot12valkids=-1.
if ANRNOW_9=0 Cot12valkids=-2.
VARIABLE LABELS Cot12valkids "(D) Cotinine below/above 12 ng/ml (children 4-15) excl current use of NDPs".
VALUE LABELS Cot12valkids -2 "Not applicable -Current NDP user" -1 "Not applicable"  1 "Below 12 ng/ml"
 2 "At least 12+ ng/ml" .
```

DETECTCOT12CH: (D) Detectable cotinine for children, excl Current NDPs and smokers

    1   0 ng/ml
    2   0.001 & below 12ng/ml

SPSS Syntax

```
COMPUTE DetectCot12ch=-99.
RECODE cotinine (0.001 thru 11.99=1) (11.99 thru hi = -3)(ELSE=COPY) INTO DetectCot12ch.
IF ANRNOW_9=0 DetectCot12ch=-2.
IF RANGE(Age, 0,3) | RANGE(Age,16,120) DetectCot12ch=-1.
IF RANGE(Age, 8,15) & ANY(Kcigreg,-1,-8,-9) DetectCot12ch=KcigReg.
IF RANGE(Age, 8,15) & ANY(kcigreg,5,6) DetectCot12ch=-3.
VARIABLE LABELS Detectcot12ch "(D) Detectable cotinine for children, excl Current NDPs and smokers".
VALUE LABELS DetectCot12ch -9  "Refused"  -3 "Not applicable -12ng/ml or more/self-reported current
smokers" -2 "Not applicable -Current NDP user" -1 "Not applicable"  0 "0 ng/ml"
 1 "0.001 & below 12ng/ml".
```

SHSOUTC: (D) Detectable cotinine for children (3 groups), excl Current NDPs and smokers

    0   0 ng/ml
    1   0.001 to less than 1 ng/ml
    2   1 to less than 12 ng/ml

SPSS Syntax

```
COMPUTE SHSOutC=-99.
RECODE cotinine (0.001 thru 0.99=1) (0.99 thru 11.99=2) (11.99 thru hi = -3)(ELSE=COPY) INTO SHSOutC.
IF ANRNOW_9=0 SHSOutC=-2.
IF RANGE(Age, 0,3) | RANGE(Age,16,120) SHSOutC=-1.
IF RANGE(Age, 8,15) & ANY(Kcigreg,-1,-8,-9) SHSOutC=KcigReg.
IF RANGE(Age, 8,15) & ANY(kcigreg,5,6) SHSOutC=-3.
VARIABLE LABELS SHSOutC "(D) Detectable cotinine for children (3 groups), excl Current NDPs and smokers".
VALUE LABELS SHSOutC
-9  "Refused"
-3 "Not applicable -12ng/ml or more/self-reported current smokers"
-2 "Not applicable -Current NDP user"
-1 "Not applicable"
 0 "0 ng/ml"
 1 "0.001 to less than 1 ng/ml"
```

Social care

Help with tasks

RECHLPI: (D) Did you receive help : Stairs (TASK I)

1 Received help but didn't need it
2 Received help and needed it
3 Did not receive help but needed it
4 Did not receive help but didn't need it
5 No help required for any task, ie independent

SPSS Syntax

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

RECHLPH: (D) Did you receive help : Indoors (TASK H)

1 Received help but didn't need it
2 Received help and needed it
3 Did not receive help but needed it
4 Did not receive help but didn't need it
5 No help required for any task, ie independent

SPSS Syntax

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

RECHLPA: (D) Did you receive help: Bed (TASK A)

1 Received help but didn't need it
2 Received help and needed it
3 Did not receive help but needed it
4 Did not receive help but didn't need it
5 No help required for any task, ie independent

SPSS Syntax

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

RECHLPD: (D) Did you receive help: Dress (TASK D)

    1   Received help but didn't need it
    2   Received help and needed it
    3   Did not receive help but needed it
    4   Did not receive help but didn't need it
    5   No help required for any task, ie independent

SPSS Syntax

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

RECHLPB: (D) Did you receive help: Wash (TASK B)

    1   Received help but didn't need it
    2   Received help and needed it
    3   Did not receive help but needed it
    4   Did not receive help but didn't need it
    5   No help required for any task, ie independent

SPSS Syntax

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

RECHLPE: (D) Did you receive help: Toilet (TASK E)

    1   Received help but didn't need it
    2   Received help and needed it
    3   Did not receive help but needed it
    4   Did not receive help but didn't need it
    5   No help required for any task, ie independent

SPSS Syntax

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

RECHLPG: (D) Did you receive help: Medicine (TASK G)

    1   Received help but didn't need it
    2   Received help and needed it
    3   Did not receive help but needed it
    4   Did not receive help but didn't need it
    5   No help required for any task, ie independent

SPSS Syntax

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

RECHLPF: (D) Did you receive help: Eat (TASK F)

    1   Received help but didn't need it
    2   Received help and needed it
    3   Did not receive help but needed it
    4   Did not receive help but didn't need it
    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.
EXECUTE.
*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=rechlpi.
IF rechlpi=1 or rechlpi=2 rechelibi=1.
IF any(rechlpi, 3,4,5) rechelibi=2.
```

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

    1   Help
    2   No help

SPSS Syntax

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

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

    1   Help
    2   No help

SPSS Syntax

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

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

    1   Help
    2   No help

SPSS Syntax

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

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

    1   Help
    2   No help

SPSS Syntax

```
COMPUTE recheldbi=rechlpd.
IF rechlpd=1 or rechlpd=2 recheldbi=1.
IF any(rechlpd, 3,4,5) recheldbi=2.
VALUE LABELS recheldbi 2 'No help' 1 'Help'.
```

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

    1   Help
    2   No help

SPSS Syntax

```
COMPUTE rechelbbi=rechlpb.
```

```
IF rechlpb=1 or rechlpb=2 rechelbbi=1.
IF any(rechlpb, 3,4,5) rechelbbi=2.
```

RECHELEBI: (D) Received help: Toilet (binary) (TASK E)
    1   Help
    2   No help

SPSS Syntax

```
COMPUTE rechelebi=rechlpe.
IF rechlpe=1 or rechlpe=2 rechelebi=1.
IF any(rechlpe, 3,4,5) rechelebi=2.
```

RECHELGBI: (D) Received help: Medicine (binary) (TASK G)
    1   Help
    2   No help

SPSS Syntax

```
COMPUTE rechelgbi=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: Stairs (binary) (TASK I)

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksi (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpi.
VALUE LABELS ndhlpi 0 'No' 1 'Yes' -8 'Don't know' .
```

NDHLPH: (D) Need help: Indoors (binary) (TASK H)

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksh (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlph.
VALUE LABELS ndhlph 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPA: (D) Need help: Bed (binary) (TASK A)

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksa  (1=0) (2 thru 4=1) (-9=-8) (else=copy)  INTO ndhlpa.
VALUE LABELS ndhlpa 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPC: (D) Need help: Shower (binary) (TASK C)

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksc (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpc.
VALUE LABELS ndhlpc 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPD: (D) Need help: Dress (binary) (TASK D)

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksd (1=0) (2 thru 4=1) (-9=-8)(else=copy)  INTO ndhlpd.
VALUE LABELS ndhlpd 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPB: (D) Need help: Wash (binary) (TASK B)

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksb (1=0) (2 thru 4=1) (-9=-8) (else=copy)  INTO ndhlpb.
VALUE LABELS ndhlpb 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPE: (D) Need help: Toilet (binary) (TASK E)

    0 No
    1 Yes

SPSS Syntax

```
RECODE taskse (1=0) (2 thru 4=1) (-9=-8) (else=copy)  INTO ndhlpe.
VALUE LABELS ndhlpe 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPG: (D) Need help: Medicine (binary) (TASK G)

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksg (1=0) (2 thru 4=1) (-9=-8)(else=copy)  INTO ndhlpg.
VALUE LABELS ndhlpg 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPF: (D) Need help: Eat (binary) (TASK F)

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksf (1=0) (2 thru 4=1) (-9=-8) (else=copy)  INTO ndhlpf.
VALUE LABELS ndhlpf 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPJ: (D) Need help: House (binary) (TASK J)

    0   No
    1   Yes

SPSS Syntax

```
RECODE tasksj (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpj.
VALUE LABELS ndhlpj 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPK: (D) Need help: Shop (binary) (TASK K)

    0   No
    1   Yes

SPSS Syntax

```
RECODE tasksk (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpk.
VALUE LABELS ndhlpk 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPL: (D) Need help: Housework (binary) (TASK L)

    0   No
    1   Yes

SPSS Syntax

```
RECODE tasksl (1=0) (2 thru 4=1) (-9=-8)(else=copy) INTO ndhlpl.
VALUE LABELS ndhlpl 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPM: (D) Need help: Paperwork (binary) (TASK M)

    0   No
    1   Yes

SPSS Syntax

```
RECODE tasksm (1=0) (2 thru 4=1) (-9=-8)(else=copy) INTO ndhlpm.
VALUE LABELS ndhlpm 0 'No' 1 'Yes' -8 '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 ndhlpg=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 ndhlpg=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 ndhlpg=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 ndhlpg=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 ndhlpg=1) AnyExsh2=1.
If AnyExsh2=-99 and (ndhlpa=0 and ndhlpb=0 and ndhlpd=0 and ndhlpf=0 and ndhlpg=0) AnyExsh2=0.
if AnyExsh2=-99 and ndhlpa=-1 AnyExsh2=-1.
IF AnyExsh2=-99 AnyExsh2=-8.
VARIABLE LABELS AnyExsh2 "(D) Needed help with any personal activities (ADLs excl bath or shower, toilet,
indoors & stairs)".
VALUE LABELS AnyExsh2  0 'No' 1 'Yes' -1 'Not applicable' -8 '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 (ndhlph=1 | ndhlpi=1) IndoorADL=1.
IF ndhlph=0 and ndhlpi=0 IndoorADL=0.
IF IndoorADL=-99 and ndhlph=-1 IndoorADL=-1.
IF IndoorADL=-99 IndoorADL=-8.
VARIABLE LABELS IndoorADL "(D) Needed help with any indoor activities (ADLs: Getting around indoors,
getting up and down stairs)".
VALUE LABELS IndoorADL 0 'No' 1 'Yes' -1 'Not applicable' -8 'Refused'.
```

ANYIADL: (D) Need help with any instrumental activities (IADLs: getting out of house,food shopping, routine housework,doing paperwork/bills

    0   No
    1   Yes

SPSS Syntax

```
COMPUTE AnyIADL=-1.
IF (ndhlpj=1 or ndhlpk=1 or ndhlpl=1 or ndhlpm=1) AnyIADL=1.
IF (ndhlpj=0 and ndhlpk=0 and ndhlpl=0 and ndhlpm=0) AnyIADL=0.
if AnyIADL=-99 and ndhlpj=-1 AnyIADL=-1.
IF AnyIADL=-99 AnyIADL=-8.
VARIABLE LABELS AnyIADL "(D) Needed help with any instrumental activities (IADLs: getting out of
house,food shopping, routine housework,doing paperwork/bills)".
VALUE LABELS AnyIADL 0 'No' 1 'Yes' -1 'Not applicable' -8 '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'.
```

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 ndhlpg=1 AND taskhelpg=2 Unmetg=1.
IF ndhlpg=1 AND taskhelpg=1 Unmetg=2.
IF ndhlpg=0 Unmetg=3.
IF ndhlpg=-1 Unmetg=-1.
IF any(-8, ndhlpg, 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 ndhlpl=1 AND taskhelpl=2 Unmetl=1.
IF ndhlpl=1 AND taskhelpl=1 Unmetl=2.
IF ndhlpl=0 Unmetl=3.
IF ndhlpl=-1 Unmetl=-1.
IF any(-8, ndhlpl, TaskHelpl) 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 ndhlpm=1 AND taskhelpm=2 Unmetm=1.
IF ndhlpm=1 AND taskhelpm=1 Unmetm=2.
IF ndhlpm=0 Unmetm=3.
IF ndhlpm=-1 Unmetm=-1.
IF any(-8, ndhlpm, TaskHelpm) 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: 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: Any instrumental activities
    0   No
    1   Yes

```
SPSS Syntax

COMPUTE UnIADL=-99.
IF ANY(1,Unmetj, Unmetk, Unmetl, Unmetm) UnIADL=1.
IF UnIADL=-99 & ANY(2,Unmetj, Unmetk, Unmetl, Unmetm)  UnIADL=0.
IF UnIADL=-99 & ANY(3,Unmetj, Unmetk, Unmetl, Unmetm) UnIADL=0.
IF (Unmetj=-8 and Unmetk=-8 and Unmetl=-8 and Unmetm=-8)  UnIADL=-8.
IF Unmetj=-1 UnIADL=-1.
VARIABLE LABELS UnIADL "(D) Unmet need for any instrumental activities (IADLs)".
VALUE LABELS UnIADL 0 'No' 1 'Yes' -8 '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 IDL needs
    1 Yes, some unmet ADL and/or IDL needs
    2 No, all needs met
    3 No need

```
SPSS Syntax

numeric UnIADL3 (F3).
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
-8 "Don't know"
-1 "Not applicable"
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.
EXECUTE.

RECODE BARTHEL5 (12.5 THRU 20 = 4)(8.5 THRU 12.5 = 3)(4.5 THRU 8.5 = 2)(0 THRU 4.5 = 1)(-1 = -1)(-9 = -9)
INTO BART5GP.
RECODE BARTHEL5 (16.5 THRU 20 = 5)(12.5 THRU 16.5 = 4)(8.5 THRU 12.5 = 3)(4.5 THRU 8.5 = 2)
(0 THRU 4.5 = 1)(-1 = -1)(-9 = -9) INTO BART5GP2.

VARIABLE LABELS
BARTHEL "(D) Unmet need: Person's dep - Barthel Index of ADL"
BARTGP "(D) Unmet need: Person's dep - Barthel Index ADL, rec"
BARTGP2 "(D) Unmet need: Person's dep - Barthel Index ADL, rec 2"
BARTHEL5 "(D) Unmet need: Person's dep - Barthel 5 Item Index ADL"
BART5GP "(D) Unmet need: Person's dep - Bart 5 Item Ix ADL, rec"
BART5GP2 "(D) Unmet need: Person's dep - Bart 5 Itm Ix ADL, rec 2".

VALUE LABELS  BARTGP
 1 'Barthel scr 0-4'
 2 'Barthel scr 5-8'
 3 'Barthel scr 9-12'
 4 'Barthel sc 13-20'/
 BARTGP2
 1 'Barthel scr 0-4'
 2 'Barthel scr 5-8'
 3 'Barthel scr 9-12'
 4 'Barthel sc 13-16'
 5 'Barthel sc 17-20'/
 BART5GP
 1 'Barthel scr 0-4'
 2 'Barthel scr 5-8'
 3 'Barthel scr 9-12'
 4 'Barthel sc 13-20'/
 BART5GP2
 1 'Barthel scr 0-4'
 2 'Barthel scr 5-8'
 3 'Barthel scr 9-12'
 4 'Barthel sc 13-16'
 5 'Barthel sc 17-20'.
```

RECHELP: (D) Received help with ADLs/IADLs in the last month
    0   No
    1   Yes

SPSS Syntax

```
COMPUTE RecHelp=-99.
IF helpADL=1 or helpIADL=1 rechelp=1.
IF helpADL=0 and helpIADL=0 rechelp=0.
IF RecHelp=-99 & any(-8, helpADL,  helpIADL) RecHelp=-8.
IF RecHelp=-99 & helpADL=-1 RecHelp=-1.
VARIABLE LABELS rechelp "(D) Received help with ADLs/IADLs in the last month".
VALUE LABELS rechelp 0 "No " 1 "Yes".
```

Formal help

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

    0   No
    1   Yes

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

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

    0   No
    1   Yes

SPSS Syntax
```
COMPUTE DhelpfoOT=-99.
if (any(1,hlpform02, hlpform11, hlpform20, hlpform29) | any(1,hlpform03, hlpform12, hlpform21, hlpform30)
| any(1, hlpform04, hlpform13, hlpform22, hlpform31) |
    any(1,hlpform05, hlpform14, hlpform23, hlpform32) | any(1,hlpform06,hlpform15, hlpform24, hlpform33)
|
    any(1,hlpform07, hlpform16, hlpform25, hlpform34) | any(1,hlpform08, hlpform17, hlpform26, hlpform35))
DhelpfoOT=1.
if DhelpfoOT=-99 & helpADL=1 DhelpfoOT=0.
if DhelpfoOT=-99 & helpADL=0 DhelpfoOT=-2.
if DhelpfoOT=-99 & helpADL<0 DhelpfoOT=helpADL.
if hlpform02=-8 & hlpform11=-8 & hlpform20=-8 & hlpform29=-8 & hlpform03=-8 & hlpform12=-8 & hlpform21=-8
&
   hlpform30=-8 & hlpform04=-8 & hlpform13=-8 & hlpform22=-8 & hlpform31=-8 & hlpform05=-8 & hlpform14=-8
&
   hlpform23=-8 & hlpform32=-8 & hlpform06=-8 & hlpform15=-8 & hlpform24=-8 & hlpform33=-8 & hlpform07=-8
&
   hlpform16=-8 & hlpform25=-8 & hlpform34=-8 & hlpform08=-8 & hlpform17=-8 & hlpform26=-8 & hlpform35=-8
DhelpfoOT=-8.
VARIABLE LABELS DhelpfoOT '(D) Other formal helper helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpfoOT 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'.
```

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

    0   No
    1   Yes

SPSS Syntax
```
COMPUTE DhelpfoNO=-99.
if any(1,hlpform09, hlpform18, hlpform27, hlpform36) & ~any(0,hlpform09, hlpform18, hlpform27, hlpform36)
& anyhlp=1 DhelpfoNO=1.
if DhelpfoNO=-99 & helpADL=1 DhelpfoNO=0.
if DhelpfoNO=-99 & helpADL=0 DhelpfoNO=-2.
if DhelpfoNO=-99 & helpADL<0 DhelpfoNO=helpADL.
IF hlpform09=-8 & hlpform18=-8 & hlpform27=-8 & hlpform36=-8  DhelpfoNO=-8.
VARIABLE LABELS DhelpfoNO '(D) No formal helpers helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpfoNO 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, DhelpfoHC, DhelpfoOT) DanyFo=1.
if DanyFo=-99 & helpADL=1 DanyFo= 0.
if DanyFo=-99 & helpADL=0 DanyFo=-2.
if DanyFo=-99 & helpADL<0 DanyFo=helpADL.
IF DhelpfoHC=-8 & DhelpfoOT=-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'.
```

DHELPFOHCI: (D) Home care worker helped with IADLs (tasks J-M)

      0   No
      1   Yes

SPSS Syntax

```
COMPUTE DhelpfoHCi=-99.
if  (checkA2=2 & recheljbi~=1)  DhelpfoHCi=-1.
if hlpform37=1 DhelpfoHCi=1.
if DhelpfoHCi=-99 & helpIADL=1 DhelpfoHCi=0.
if DhelpfoHCi=-99 & helpIADL=0 DhelpfoHCi=-2.
if DhelpfoHCi=-99 & helpIADL<0 DhelpfoHCi=helpIADL.
if hlpform37=-8 DhelpfoHCi=-8.
VARIABLE LABELS DhelpfoHCi '(D) Home care worker helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpfoHCi 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'.
```

DHELPFOOTI: (D) Other formal helper helped with IADLs (tasks J-M)

      0   No
      1   Yes

SPSS Syntax

```
COMPUTE DhelpfoOTi=-99.
if  (checkA2=2 & recheljbi~=1)  DhelpfoOTi=-1.
if any(1,hlpform38, hlpform39, hlpform40, hlpform41, hlpform42, hlpform43, hlpform44) DhelpfoOTi=1.
if DhelpfoOTi=-99 & helpIADL=1 DhelpfoOTi=0.
if DhelpfoOTi=-99 & helpIADL=0 DhelpfoOTi=-2.
if DhelpfoOTi=-99 & helpIADL<0 DhelpfoOTi=helpIADL.
if  hlpform38=-8 & hlpform39=-8 & hlpform40=-8 & hlpform41=-8 & hlpform42=-8 & hlpform43=-8 & hlpform44=-8
DhelpfoOTi=-8.
VARIABLE LABELS DhelpfoOTi '(D) Other formal helper helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpfoOTi 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'.
```

DHELPFONOI: (D) No formal helpers helped with IADLs (tasks J-M)

    0   No
    1   Yes

SPSS Syntax

```
COMPUTE DhelpfoNOi=-99.
if  (checkA2=2 & recheljbi~=1)  DhelpfoNOi=-1.
if hlpform45=1 & anyhlp=1 DhelpfoNOi=1.
if DhelpfoNOi=-99 & helpIADL=1 DhelpfoNOi=0.
if DhelpfoNOi=-99 & helpIADL=0 DhelpfoNOi=-2.
if DhelpfoNOi=-99 & helpIADL<0 DhelpfoNOi=helpIADL.
if hlpform45=-8 DhelpfoNOi=-8.
EXECUTE.
VARIABLE LABELS DhelpfoNOi '(D) No formal helpers helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpfoNOi 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 & recheljbi~=1) DanyFoi=-1.
IF any(1, DhelpfoHCi, DhelpfoOTi) DanyFoi=1.
if DanyFoi=-99 & helpIADL=1 DanyFoi= 0.
if DanyFoi=-99 & helpIADL=0 DanyFoi=-2.
if DanyFoi=-99 & helpIADL<0 DanyFoi=helpIADL.
if  DhelpfoHCi=-8 & DhelpfoOTi=-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

DHELPINSP: (D) Spouse/ partner helped with ADLs (tasks A-I)

    0   No
    1   Yes

SPSS Syntax

```
COMPUTE DhelpinSP=-99.
if any (1,hlpinf01, hlpinf12, hlpinf23, hlpinf34) DhelpinSP=1.
if DhelpinSP=-99 & helpADL=1 DhelpinSP=0.
if DhelpinSP=-99 & helpADL=0 DhelpinSP=-2.
if DhelpinSP=-99 & helpADL<0 DhelpinSP=helpADL.
if hlpinf01=-8 & hlpinf12=-8 & hlpinf23=-8 & hlpinf34=-8 DhelpinSP=-8.
EXECUTE.
VARIABLE LABELS DhelpinSP '(D) Spouse/partner helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinSP 1 'Yes' 0 'No' -8 '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.
EXECUTE.
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.
EXECUTE.
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, ADLs (tasks A-I)

    0   No
    1   Yes

SPSS Syntax

```
COMPUTE DhelpinFN=-99.
if any (1,hlpinf09, hlpinf20, hlpinf31, hlpinf42) | any(1,hlpinf10, hlpinf21, hlpinf32, hlpinf43)
DhelpinFN=1.
if DhelpinFN=-99 & helpADL=1 DhelpinFN=0.
if DhelpinFN=-99 & helpADL=0 DhelpinFN=-2.
if DhelpinFN=-99 & helpADL<0 DhelpinFN=helpADL.
if hlpinf09=-8 & hlpinf20=-8 & hlpinf31=-8 & hlpinf42=-8 & hlpinf10=-8 & hlpinf21=-8 & hlpinf32=-8 &
hlpinf43=-8 DhelpinFN=-8.
EXECUTE.
VARIABLE LABELS DhelpinFN '(D) Freind/Neighbour helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinFN 1 'Yes' 0 'No' -8 '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.
EXECUTE.
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.
EXECUTE.
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.
EXECUTE.
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 & recheljbi~=1) DhelpinSPi=-1.
if DhelpinSPi=-99 & hlpinf45=1  DhelpinSPi=1.
if DhelpinSPi=-99 & helpIADL=1 DhelpinSPi=0.
if DhelpinSPi=-99 & helpIADL=0 DhelpinSPi=-2.
if DhelpinSPi=-99 & helpIADL<0 DhelpinSPi=helpIADL.
if hlpinf45=-8 DhelpinSPi=-8.
EXECUTE.
VARIABLE LABELS DhelpinSPi '(D) Spouse/partner helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinSPi 1 'Yes' 0 'No' -8 '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 & recheljbi~=1) DhelpinSOi=-1.
if hlpinf46=1 DhelpinSOi=1.
if DhelpinSOi=-99 & helpIADL=1 DhelpinSOi=0.
if DhelpinSOi=-99 & helpIADL=0 DhelpinSOi=-2.
if DhelpinSOi=-99 & helpIADL<0 DhelpinSOi=helpIADL.
if hlpinf46=-8 DhelpinSOi=-8.
EXECUTE.
VARIABLE LABELS DhelpinSOi '(D) Son helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinSOi 1 'Yes' 0 'No' -8 '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 & recheljbi~=1) DhelpinDAi=-1.
if hlpinf47=1 DhelpinDAi=1.
if DhelpinDAi=-99 & helpIADL=1 DhelpinDAi=0.
if DhelpinDAi=-99 & helpIADL=0 DhelpinDAi=-2.
if DhelpinDAi=-99 & helpIADL<0 DhelpinDAi=helpIADL.
if hlpinf47=-8 DhelpinDAi=-8.
EXECUTE.
VARIABLE LABELS DhelpinDAi '(D) Daughter helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinDAi 1 'Yes' 0 'No' -8 '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 & recheljbi~=1) DhelpinFNi=-1.
if any (1,hlpinf53, hlpinf54) DhelpinFNi=1.
if DhelpinFNi=-99 & helpIADL=1 DhelpinFNi=0.
if DhelpinFNi=-99 & helpIADL=0 DhelpinFNi=-2.
if DhelpinFNi=-99 & helpIADL<0 DhelpinFNi=helpIADL.
if hlpinf53=-8 & hlpinf54=-8 DhelpinFNi=-8.
EXECUTE.
VARIABLE LABELS DhelpinFNi '(D) Friend/neighbour helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinFNi 1 'Yes' 0 'No' -8 '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 & recheljbi~=1) DhelpinOTi=-1.
if any (1,hlpinf48, hlpinf49, hlpinf50, hlpinf51, hlpinf52) DhelpinOTi=1.
if DhelpinOTi=-99 & helpIADL=1 DhelpinOTi=0.
if DhelpinOTi=-99 & helpIADL=0 DhelpinOTi=-2.
if DhelpinOTi=-99 & helpIADL<0 DhelpinOTi=helpIADL.
if hlpinf48=-8 & hlpinf49=-8 & hlpinf50=-8 & hlpinf51=-8 & hlpinf52=-8 DhelpinOTi=-8.
EXECUTE.
VARIABLE LABELS DhelpinOTi '(D) Other family member helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinOTi 1 'Yes' 0 'No' -8 '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 & recheljbi~=1) DhelpinNOi=-1.
if hlpinf55=1 DhelpinNOi=1.
if DhelpinNOi=-99 & helpIADL=1 DhelpinNOi=0.
if DhelpinNOi=-99 & helpIADL=0 DhelpinNOi=-2.
if DhelpinNOi=-99 & helpIADL<0 DhelpinNOi=helpIADL.
if hlpinf55=-8 DhelpinNOi=-8.
EXECUTE.
VARIABLE LABELS DhelpinNOi '(D) No informal helper helped with IADLs (tasks J-M)'.
VALUE LABELS DhelpinNOi 1 'Yes' 0 'No' -8 '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 & recheljbi~=1) Danyinfi=-1.
if any(1, DhelpinSPi, DhelpinSOi, DhelpinDAi, DhelpinOTi, DhelpinFNi) DAnyInfi=1.
if DAnyInfi=-99 & helpIADL=1 DAnyInfi=0.
if DAnyInfi=-99 & helpIADL=0 DAnyInfi=-2.
if DAnyInfi=-99 & helpIADL<0 DAnyInfi=helpIADL.
if DhelpinSPi=-8 & DhelpinSOi=-8 & DhelpinDAi=-8 & DhelpinOTi=-8 & DhelpinFNi=-8 DAnyInfi=-8.
EXECUTE.
VARIABLE LABELS DAnyInfi '(D) An informal helper helped with IADLs (tasks J-M)'.
VALUE LABELS DAnyInfi 1 'Yes' 0 'No' -8 '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 DhelpfoNO=1 DADLtyp=4.
IF DanyInf=-2 and DanyFo=-2 DADLtyp=-2.
IF DanyInf=-1 and DanyFo=-1 DADLtyp=-1.
IF ANY(-8, DanyInf, DanyFo) DADLtyp=-8.
VARIABLE LABELS DADLtyp '(D) Who provided ADL help (informal/formal helpers, tasks A-I)'.
VALUE LABELS DADLtyp
 1 'Informal only'
 2 'Formal only'
 3 'Both informal and formal'
 4 'None of these'
-8 'Don't know'
-2 'No help received'
-1 'Not applicable'.
```

DIADLTYP: (D) Who provided IADL help

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

SPSS Syntax

```
COMPUTE DIADLtyp=-99.
IF (checkA2=2 & recheljbi~=1) DIADLtyp=-1.
IF DIADLtyp=-99 & DanyInfi=1 and DanyFoi=0 DIADLtyp=1.
IF DIADLtyp=-99 & DanyInfi=0 and DanyFoi=1 DIADLtyp=2.
IF DIADLtyp=-99 & DanyInfi=1 and DanyFoi=1 DIADLtyp=3.
IF DIADLtyp=-99 & DhelpinNOi=1 and DhelpfoNOi=1 DIADLtyp=4.
IF DIADLtyp=-99 & DanyInfi=-2 and DanyFoi=-2 DIADLtyp=-2.
IF DIADLtyp=-99 & DanyInfi=-1 and DanyFoi=-1 DIADLtyp=-1.
IF ANY(-8, DanyInfi, DanyFoi) DIADLtyp=-8.
VARIABLE LABELS DIADLtyp '(D) Who provided IADL help (informal/formal helpers, tasks J-M)'.
VALUE LABELS DIADLtyp
 1 'Informal only'  2 'Formal only'    3 'Both informal and formal'
 4 'None of these'
-8 '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

```
NUMERIC SPhr6 (F3.0).
COMPUTE SPhr6=-99.
EXECUTE.
RECODE HlpHrsi01g9 (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into SPhr6.
VARIABLE LABELS SPhr6 '(D) Grouped spouse hours who helped (6 groups, 50+)'.
VALUE LABELS SPhr6
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10-19'
 5 '20-49'
 6 '50+'.

NUMERIC SPhr10 (F3.0).
COMPUTE SPhr10=-99.
EXECUTE.
RECODE HlpHrsi01g9  (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into SPhr10.
VARIABLE LABELS SPhr10 '(D) Grouped spouse hours who helped (4 groups, 10+)'.
VALUE LABELS SPhr10
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10 or more'.

NUMERIC SPhr20 (F3.0).
COMPUTE SPhr20=-99.
EXECUTE.
RECODE HlpHrsi01g9 (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into SPhr20.
VARIABLE LABELS SPhr20 '(D) Grouped spouse hours who helped (4 groups, 20+)'.
VALUE LABELS SPhr20
 1 'No help'
 2 '<1 hour'
 3 '1-19'
 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

SONMOST: (D) Grouped, son who provided the most hours of care

   1   Son 1
   2   Son 2
   3   Son 3

SPSS Syntax

```
NUMERIC sohr6 (F3.0).
COMPUTE sohr6=-99.
EXECUTE.
RECODE sonhrs (1=1) (2=2) (3 thru 4=3) ( 5 =4) (6 thru 7=5)(8 thru 9=6)(else=-1) into sohr6.
VARIABLE LABELS sohr6 '(D) Grouped, hours of help provided in the last week by son who helped the most (6
groups, 50+)'.
VALUE LABELS sohr6
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10-19'
 5 '20-49'
 6 '50+'.

NUMERIC sohr10 (F3.0).
COMPUTE sohr10=-99.
EXECUTE.
RECODE sonhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into sohr10.
VARIABLE LABELS sohr10 '(D) Grouped, hours of help provided in the last week by son who helped the most (4
groups, 10+)'.
VALUE LABELS sohr10
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10 or more'.

NUMERIC sohr20 (F3.0).
COMPUTE sohr20=-99.
EXECUTE.
RECODE sonhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into sohr20.
VARIABLE LABELS sohr20 '(D) Grouped, hours of help provided in the last week by son who helped the most (4
groups, 20+)'.
VALUE LABELS sohr20
 1 'No help'
 2 '<1 hour'
 3 '1-19'
 4 '20 or more'.

NUMERIC Sonhrs (f3.0).
COMPUTE Sonhrs=MAX(HlpHrsI02g9, HlpHrsI03g9, HlpHrsI04g9).
VARIABLE LABELS Sonhrs '(D) Grouped, hours of help provided in the last week by the son who helped the
most (9 groups)'.
VALUE LABELS Sonhrs
-8 "Don't know"
-1 "Not applicable"
1 "No help in the last week"
2 "Less than one hour"
3 "1-4 hours"
4 "5-9 hours"
5 "10-19 hours"
6 "20-34 hours"
7 "35-49 hours"
8 "50-99 hours"
9 "100 hours or more".


NUMERIC sonmost (f3.0).
compute sonmost=-1.
if sonhrs=HlpHrsI04g9 sonmost=3.
if sonhrs=HlpHrsI03g9 sonmost=2.
if sonhrs=HlpHrsI02g9 sonmost=1.
VARIABLE LABELS sonmost '(D) Son who provided the most hours of care'.
VALUE LABELS sonmost
 1 'Son 1'
 2 'Son 2'
 3 'Son 3'.
```

DAHR6: (D) Grouped, hours of help provided by daughter who helped the most (6 groups, 50+)

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

DAHR10: (D) Grouped, hours of help provided by daughter who helped the most (4 groups, 10+)

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

DAHR20: (D) Grouped, hours of help provided by daughter who helped the most (4 groups, 20+)

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

DAHRS: (D) Grouped, hours of help provided by daughter who helped the most (9 groups)

-8 Don't Know
-1 Not applicable
1 No help in the last week
2 Less than one hour
3 1-4 hours
4 5-9 hours
5 10-19 hours
6 20-34 hours
7 35-49 hours
8 50-99 hours
9 100 hours or more.

DAMOST: (D) Grouped, daughter who provided the most hours of care

1 Daughter 1
2 Daughter 2
3 Daughter 3

SPSS Syntax

```
NUMERIC dahr6 (F3.0).
COMPUTE dahr6=-99.
EXECUTE.
RECODE daughterhrs (1=1) (2=2) (3 thru 4=3) ( 5 =4) (6 thru 7=5)(8 thru 9=6)(else=-1) into dahr6.
VARIABLE LABELS dahr6 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (6 groups, 50+)'.
VALUE LABELS dahr6
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10-19'
 5 '20-49'
 6 '50+'.

NUMERIC dahr10 (F3.0).
COMPUTE dahr10=-99.
EXECUTE.
RECODE daughterhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into dahr10.
VARIABLE LABELS dahr10 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (4 groups, 10+)'.
VALUE LABELS dahr10
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10 or more'.

NUMERIC dahr20 (F3.0).
COMPUTE dahr20=-99.
EXECUTE.
RECODE daughterhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into dahr20.
VARIABLE LABELS dahr20 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (4 groups, 20+)'.
VALUE LABELS dahr20
 1 'No help'
 2 '<1 hour'
 3 '1-19'
 4 '20 or more'.

NUMERIC DAhrs (f3.0).
COMPUTE DAhrs=MAX(HlpHrsI05g9 , HlpHrsI06g9 , HlpHrsI07g9 ).
VARIABLE LABELS DAhrs '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (9 groups)'.
VALUE LABELS DAhrs
```

```
-8 "Don't Know"
-1 "Not applicable"
 1 "No help in the last week"
 2 "Less than one hour"
 3 "1-4 hours"
 4 "5-9 hours"
 5 "10-19 hours"
 6 "20-34 hours"
 7 "35-49 hours"
 8 "50-99 hours"
 9 "100 hours or more".

NUMERIC DAmost (f3.0).
compute damost=-1.
if dahrs=HlpHrsI07g9 damost=3.
if dahrs=HlpHrsI06g9 damost=2.
if dahrs=HlpHrsI05g9 damost=1.
VARIABLE LABELS damost '(D) Daughter who provided the most hours of care'.
VALUE LABELS damost
 1 'Daughter 1'
 2 'Daughter 2'
 3 'Daughter 3'..
```

OTHR6: (D) Grouped, hours of help provided in the last week by other family member who helped the most (6 groups, 50+)

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

OTHR10: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 10+)

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

OTHR20: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 20+)

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

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

```
NUMERIC othr6 (F3.0).
COMPUTE othr6=-99.
EXECUTE.
RECODE othrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into othr6.
VARIABLE LABELS othr6 '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (6 groups, 50+)'.
```

```
VALUE LABELS othr6
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10-19'
 5 '20-49'
 6 '50+'.

NUMERIC othr10 (F3.0).
COMPUTE othr10=-99.
EXECUTE.
RECODE othrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into othr10.
VARIABLE LABELS othr10 '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (4 groups, 10+)'.
VALUE LABELS othr10
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10 or more'.

NUMERIC othr20 (F3.0).
COMPUTE othr20=-99.
EXECUTE.
RECODE othrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into othr20.
VARIABLE LABELS othr20 '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (4 groups, 20+)'.
VALUE LABELS othr20
 1 'No help'
 2 '<1 hour'
 3 '1-19'
 4 '20 or more'.

NUMERIC Othrs(F3.0).
COMPUTE Othrs=MAX(HlpHrsI08g9, HlpHrsI09g9, HlpHrsI10g9, HlpHrsI11g9, HlpHrsI12g9, HlpHrsI13g9,
HlpHrsI15g9, HlpHrsI16g9, HlpHrsI17g9, HlpHrsI18g9, HlpHrsI19g9, HlpHrsI20g9 ).
VARIABLE LABELS Othrs '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (9 groups)'.
VALUE LABELS Othrs
-8 "Don't Know"
-1 "Not applicable"
1 "No help in the last week"
2 "Less than one hour"
3 "1-4 hours"
4 "5-9 hours"
5 "10-19 hours"
6 "20-34 hours"
7 "35-49 hours"
8 "50-99 hours"
9 "100 hours or more".

NUMERIC OtMost (F3.0).
compute otmost=-1.
if othrs=HlpHrsI20g9 otmost=12.
if othrs=HlpHrsI19g9 otmost=11.
if othrs=HlpHrsI18g9 otmost=10.
if othrs=HlpHrsI17g9 otmost=9.
if othrs=HlpHrsI16g9 otmost=8.
if othrs=HlpHrsI15g9 otmost=7.
if othrs=HlpHrsI13g9 otmost=6.
if othrs=HlpHrsI12g9 otmost=5.
if othrs=HlpHrsI11g9 otmost=4.
if othrs=HlpHrsI10g9 otmost=3.
if othrs=HlpHrsI09g9 otmost=2.
if othrs=HlpHrsI08g9 otmost=1.
if othrs=-1 otmost=-1.
VARIABLE LABELS OTmost '(D) Other familly member who provided most hours of care'.
VALUE LABELS OTmost
 1 'Grandchild 1'
 2 'Grandchild 2'
 3 'Grandchild 3'
 4 'Brother/sister 1'
 5 'Brother/sister 2'
 6 'Brother/sister 3'
 7 'Niece/nephew 1'
 8 'Niece/nephew 2'
 9 'Niece/nephew 3'
 10 'Parent'
 11'Other parent'
 12 'Other family member'.
```

FNHR6: (D) Grouped, hours of help provided in the last week by other family member who helped the most (6 groups, 50+)
  1   No help
  2   <1 hour
  3   1-9
  4   10-19
  5   20-49
  6   50+

FNHR10: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 10+)
  1   No help
  2   <1 hour
  3   1-10
  4   10 or more

FNHR20: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 20+)
  1   No help
  2   <1 hour
  3   1-19
  4   20 or more

FNHRS: (D) Grouped, hours of help provided in the last week by other family member who helped the most (9 groups)
  -8   Don't Know
  -1   Not applicable
   1   No help in the last week
   2   Less than one hour
   3   1-4 hours
   4   5-9 hours
   5   10-19 hours
   6   20-34 hours
   7   35-49 hours
   8   50-99 hours
   9   100 hours or more.

FNMOST: (D) Other family member who provided most hours of care
  1 Friend 1
  2 Friend 2
  3 Friend 3
  4 Neighbour 1
  5 Neighbour 2
  6 Neighbour 3

SPSS Syntax

```
NUMERIC FNhr6 (F3.0).
COMPUTE FNhr6=-99.
EXECUTE.
RECODE FNhrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into FNhr6.
VARIABLE LABELS FNhr6 '(D) Grouped, hours of help provided in the last week by friend or neighbour who
helped the most (6 groups, 50+)'.
VALUE LABELS FNhr6
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10-19'
 5 '20-49'
 6 '50+'.

NUMERIC FNhr10 (F3.0).
COMPUTE FNhr10=-99.
EXECUTE.
RECODE FNhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into FNhr10.
VARIABLE LABELS FNhr10 '(D) Grouped, hours of help provided in the last week by friend or neighbour who
helped the most (4 groups, 10+)'.
VALUE LABELS FNhr10
 1 'No help'
 2 '<1 hour'
 3 '1-10'
 4 '10 or more'.

NUMERIC FNhr20 (F3.0).
COMPUTE FNhr20=-99.
EXECUTE.
RECODE FNhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into FNhr20.
VARIABLE LABELS FNhr20 '(D)Grouped, hours of help provided in the last week by friend or neighbour who
helped the most (4 groups, 20+)'.
VALUE LABELS FNhr20
 1 'No help'
 2 '<1 hour'
 3 '1-19'
```

```
  4 '20 or more'.

COMPUTE FNhrs=MAX(HlpHrsI21g9, HlpHrsI22g9, HlpHrsI23g9, HlpHrsI24g9, HlpHrsI25g9, HlpHrsI26g9 ).
VARIABLE LABELS FNhrs '(D) Grouped, hours of help provided in the last week by friend or neighbour who
helped the most (9 groups)'.
VALUE LABELS FNhrs
-8 "Don't Know"
-1 "Not applicable"
1 "No help in the last week"
2 "Less than one hour"
3 "1-4 hours"
4 "5-9 hours"
5 "10-19 hours"
6 "20-34 hours"
7 "35-49 hours"
8 "50-99 hours"
9 "100 hours or more".

NUMERIC FNmost (F3.0).
COMPUTE FNmost=-1.
if FNhrs=HlpHrsI26g9 FNmost=6.
if FNhrs=HlpHrsI25g9 FNmost=5.
if FNhrs=HlpHrsI24g9 FNmost=4.
if FNhrs=HlpHrsI23g9 FNmost=3.
if FNhrs=HlpHrsI22g9 FNmost=2.
if FNhrs=HlpHrsI21g9 FNmost=1.
IF FNhrs=-1 FNmost=-1.
VARIABLE LABELS FNmost 'Other friend or neighbour who provided most hours of care'.
VALUE LABELS FNmost
 1 'Friend 1'
 2 'Friend 2'
 3 'Friend 3'
 4 'Neighbour 1'
 5 'Neighbour 2'
 6 'Neighbour 3'.
```

HCHR6: (D) Home care worker hours of help (grouped)
  1 No help
  2 <1 hour
  3 1-9
  4 10-19
  5 20-49
  6 50+

HCHR10: (D) Home care worker 10+ hours of help
  1 No help
  2 <1 hour
  3 1-10
  4 10 or more

HCHR20: (D) Home care worker 20+ hours of help
  1 No help
  2 <1 hour
  3 1-19
  4 20 or more

HCMOST: (D) Home care worker who gave most hours of care
   1 Home care worker 1
   2 Home care worker 2
   3 Home care worker 3

HCHRS1: (D) Hours of help provided in the last week by home care worker who helped the most
   1 Home care worker 1
   2 Home care worker 2
   3 Home care worker 3

HCHRS: (D) Grouped hours of help, for home care workers who helped the most
  1 No help
  2 <1 hour
  3 1-4
  4 5-9
  5 10-19
  6 20-34
  7 35-49
  8 50-99
  9 100 hours or more.

SPSS Syntax

```
NUMERIC HCHr6 (F3.0).
COMPUTE HCHr6=-99.
EXECUTE.
recode HCHrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6) (-8=-8)(else=-1) into HCHr6.
Variable labels HCHr6 '(D) Home care worker hours of help (grouped)'.
```

```
value labels HCHr6
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10-19'
 5 '20-49'
 6 '50+'.

NUMERIC HCHr10 (F3.0).
COMPUTE HCHr10=-99.
EXECUTE.
recode HCHrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4) (-8=-8) (else=-1)into HCHr10.
variable labels HCHr10 '(D) Home care worker 10+ hours of help'.
value labels HCHr10
 1 'No help'
 2 '<1 hour'
 3 '1-9'
 4 '10 or more'.

NUMERIC HCHr20 (F3.0).
COMPUTE HCHr20=-99.
EXECUTE.
recode HCHrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4) (-8=-8)(else=-1) into HCHr20.
variable labels HCHr20 '(D) Home care worker 20+ hours of help'.
value labels HCHr20
 1 'No help'
 2 '<1 hour'
 3 '1-19'
 4 '20 or more'.

COMPUTE HCmost=-1.
IF HCHrs1=Hrsform29 HCmost=3.
IF HCHrs1=Hrsform28 HCmost=2.
IF HCHrs1=Hrsform27 HCmost=1.
IF HCHrs1=-1 HCmost=-1.
VARIABLE LABELS HCmost '(D) Home care worker who gave most hours of care'.
VALUE LABELS HCmost
 1 'Home care worker 1'
 2 'Home care worker 2'
 3 'Home care worker 3'.

COMPUTE HCHrs1=MAX(Hrsform27, Hrsform28, Hrsform29).
VARIABLE LABELS HCHrs1 "(D) Hours of help provided in the last week by home care worker who helped the
most".
*COMPUTE HCmost=-1.
IF HCHrs1=Hrsform29 HCmost=3.
IF HCHrs1=Hrsform28 HCmost=2.
IF HCHrs1=Hrsform27 HCmost=1.
 IF HCHrs1=-1 HCmost=-1.
VARIABLE LABELS HCmost '(D) Home care worker who gave most hours of care'.
VALUE LABELS HCmost
 1 'Home care worker 1'
 2 'Home care worker 2'
 3 'Home care worker 3'.

NUMERIC HCHrs (F3.0).
COMPUTE HCHrs=-99.
EXECUTE.
RECODE HCHrs1 (100 thru Hi=9) (50 thru 100=8) (35 thru 50=7) (20 thru 35=6) (10 thru 20=5) (5 thru 10=4)
(1 thru 5=3) (0.01 thru 1=2)(0=1)
(-8=-8) (else=-1) into HCHrs.
VARIABLE LABELS HCHrs '(D) Grouped hours of help, for home care worker who helped the most'.
value labels HCHrs
1 'No help'
2 '<1 hour'
3 '1-4'
4 '5-9'
5 '10-19'
6 '20-34'
7 '35-49'
8 '50-99'
9 '100 hours or more'.
```