Health Survey for England

2019

Dataset documentation

Variable list
Derived variable syntax

Health Survey for England

Health, Social care and Lifestyles

2019

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 Adult, or where a question appears in more than one booklet the range is widened (e.g. SC 8-15)
CASI	CASI drinking and smoking questions for young adults (replaces young adults self completion)
Lab	Results from laboratory, ie from saliva or serum testing
Derived	A variable derived from other variables, and detailed in the Derived Variable Specification document

Classification

Household

Variable	Description	Source
TENUREB	Household tenure	Hhold
JOBACCOM	Does the accommodation go with the job of anyone in the household	Hhold
LANDLORD	Who is your landlord	Hhold
FURN	Is the accommodation furnished	Hhold
BEDROOMS6	(D) Number of bedrooms in household, 6+	Derived[1]
PASSM	Does anyone smoke inside this house/flat on most days (tobacco cigarettes, not e-cigarettes or other vaping devices)	Hhold
NUMSM6	(D) Number of people who smoke inside this house/flat on most days, top coded 6+	Derived[1]
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[1]
NOFAd3	(D) Number of adults, top coded 3+	Derived[1]
NOFCh3	(D) Number of children, top coded 3+	Derived[1]

Intra-Household

Variable	Description	Source
moth_activbR	(D) Female parent/guardian's activity status for last week - recoded	Derived*
moth_acutill	(D) Female parent/guardian's acute sickness last two weeks	Derived*
moth_age16g5R	(D) Female parent/guardian's age 16+, 5 year bands - recoded	Derived*
moth_bmivg52	(D) Female parent/guardian's valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if >200kg	Derived*
moth_cigst1_19	(D) Female parent/guardian's cigarette smoking status - Never/Ex-reg/Ex-occ/Current	Derived*
moth_d7unitwgrp_19	(D) Female parent/guardian's units drunk on heaviest day in last 7 days (16yrs+)	Derived*
moth_educendR	(D) Female parent/guardian's age finished continuous full-time education - recoded	Derived*
moth_topqual3R	(D) Female parent/guardian's Highest Educational Qualification - recoded	Derived*
moth_totalwug_19	(D) Female parent/guardian's alcohol units per week grouped	Derived*
moth_totalwug2_19	(D) Female parent/guardian's alcohol units per week - risk groups	Derived*
moth_totalwug3_19	(D) Female parent/guardian's alcohol units per week - not drunk in the last 12 months/lower risk/increased or higher risk	Derived*
moth_dnoftg_19	(D) Female parent/guardian's frequency drank any alcoholic drink - ever/never	Derived*
moth_bmivg3	(D) Female parent/guardian's BMI grouped - underweight and normal; overweight; obese and morbidly obese	Derived*
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_19	(D) Male parent/guardian's cigarette smoking status - Never/Ex-reg/Ex-occ/Current	Derived*
fath_d7unitwgrp_19	(D) Male parent/guardian's units drunk on heaviest day in last 7 days (16yrs+)	Derived*
fath_educendR	(D) Male parent/guardian's age finished continuous full-time education - recoded	Derived*
fath_topqual3R	(D) Male parent/guardian's Highest Educational Qualification - recoded	Derived*
fath_totalwug_19	(D) Male parent/guardian's alcohol units per week grouped	Derived*
fath_totalwug2_19	(D) Male parent/guardian's alcohol units per week - risk groups	Derived*
fath_totalwug3_19	(D) Male parent/guardian's alcohol units per week - not drunk in the last 12 months/lower risk/increased or higher risk	Derived*
fath_dnoftg_19	(D) Male parent/guardian's frequency drank any alcoholic drink - ever/never	Derived*
fath_bmivg3	(D) Male parent/guardian's BMI grouped - underweight and normal; overweight; obese and morbidly obese	Derived*
fath_wemwbs	(D) Male parent/guardian's wemwbs Score	Derived*

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[1] Derivation not included in derived variable specification.
* Syntax for intra-household variables not detailed in the derived variable specification.

part_cigst1_19	(D) Partner's cigarette smoking status - Never/Ex-reg/Ex-occ/Current	Derived*
ParCigSt3_19	(D) Parent/ guardian's smoking status	Derived*
Fath_bmi	(D) Father's BMI - three groups	Derived*
Moth_bmi	(D) Mother's BMI - three groups	Derived*
fath_bmi2	(D) Father's BMI – two groups	Derived*
moth_bmi2	(D) Mother's BMI – two groups	Derived*

Individual

Variable	Description	Source
SERIALA[2]	Archive respondent serial number	Indiv
SEX	Sex	Hhold
INDOUT	Individual outcome code	Indiv
Age35g[3]	(D) Age, 3 year bands for 0-15, 5 year bands 16+	Derived
Age16g5	(D) Age 16+, 5 year bands	Derived
ag16g10	(D) Age 16+ in ten year bands	Derived
Ag015g4	(D) Age 2-15 in three groups	Derived

Admin

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

Booklet Admin

Variable	Description	Source
SCTYPE	Type of self-completion offered	Indiv
SCOMP3	SC: Booklet completed	Indiv
SCREC	Self-completion received	Indiv
SC3ACC1	SC: Completed independently	Indiv
SC3ACC2	SC: Assistance from other children	Indiv
SC3ACC3	SC: Assistance from other household member	Indiv
SC3ACC4	SC: Assistance from interviewer	Indiv
SC3ACC5	SC: Interviewer administered SC booklet	Indiv
SCOMP60	SC refused: Child away from home during fieldwork period	Indiv
SCOMP61	SC refused: Eyesight problems	Indiv
SCOMP62	SC refused: Language problems	Indiv
SCOMP63	SC refused: Reading/writing/comprehension difficulties	Indiv
SCOMP64	SC refused: Bored/fed up/ tired	Indiv
SCOMP65	SC refused: Questions too sensitive/invasion of privacy	Indiv
SCOMP66	SC refused: Booklet too long/too busy/taken long enough already	Indiv
SCOMP67	SC refused: No other reason given	Indiv
SCOMP68	SC refused: Illness/disability (physical or mental)	Indiv
SCOMP69	SC refused: Child 2-12 asleep	Indiv
SCOMP610	SC refused: Not in/not available (for child 2-12, use codes 00 or 09 if possible)	Indiv
SCOMP611	SC refused: Proxy refusal	Indiv
SCOMP612	SC refused: No self completion booklet available	Indiv
SCOMP695	SC refused: Other reason	Indiv
SCOMP5A1	SC present: Spouse/partner	Indiv
SCOMP5A2	SC present: Parent(s) (incl step/foster)	Indiv
SCOMP5A3	SC present: Brother(s)/sister(s)	Indiv
SCOMP5A4	SC present: Own/related child(ren) (incl step/foster/partner's)	Indiv
SCOMP5A5	SC present: Other relative(s)	Indiv
SCOMP5A6	SC present: Unrelated adult(s)	Indiv
SCOMP5A7	SC present: Unrelated child(ren)	Indiv
SCOMP5A8	SC present: Interviewer	Indiv
SCOMP5A9	SC present: No-one else present	Indiv
BOOKLET19	(D) Eligible for which self-completion booklet	Derived

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[2] Individual and household serial numbers have been removed from the archived dataset and replaced with SerialA.
[3] Age in individual years has been removed from the archived dataset.
 * Syntax for intra-household variables not detailed in the derived variable specification.

CASI admin

Variable	Description	Source
CASIChk	Whether answered questions in CASI	Indiv
CASIRemind	CASI completion reminder	Indiv
YAIntro19	Young adults questions introduction	Indiv
SCAccept	CASI accepted	Indiv

Education

Variable	Description	Source
EDUCEND	Age finished continuous full-time education	Indiv
QUAL	Whether has any of the qualifications listed	Indiv
DEGREE1	Doctorate qualification	Indiv
DEGREE2	Masters qualification	Indiv
DEGREE3	Undergraduate or first degree qualification	Indiv
DEGREE4	Foundation degree	Indiv
DEGREE5	Graduate membership of a professional institution qualification	Indiv
DEGREE6	Other post graduate degree or professional qualification	Indiv
TOPQUAL3	(D) Highest Educational Qualification	Derived
TOPQUAL2	(D) Highest Educational Qualification - Students separate	Derived
TOPQUAL4	(D) Highest Educational Qualification, 3 groups	Derived
Educ2	(D) Highest Educational Qualification	Derived

Employment Status

Variable	Description	Source
HRPSOC10B	(D) HRP: Sub-Major Group Standard Occupational Classification 2010	Derived[1]
HRPSIC7b3	(D) HRP: Standard Industrial Classification 2007 (grouped)	Derived[1]
HRPACTIV3	(D) HRP: Activity status for the last week - recoded	Derived[1]
HRPSTWK	HRP: Any paid work in the last seven days, either as an employee or self-employed	Hhold
HRP4WKLK	HRP: Looking for paid work/govt scheme in last 4 weeks ending last Sunday	Hhold
HRP2WKST	HRP: If job or training scheme available, able to start within 2 weeks	Hhold
HRPEVERJ	HRP: Ever been in paid employment or been self-employed	Hhold
HRPOTHPD	HRP: Ever had other employment (apart from job you are waiting to take up)	Hhold
HRPLONG	HRP: How long have you been looking/were you looking for paid employment	Hhold
HRPPAYAGR	(D) HRP: Age when last had a paid job - recoded	Derived[1]
HRPFTPT	HRP: Whether working full-time or part-time	Hhold
HRPEMPLY	HRP: Whether an employee or self-employed	Hhold
HRPDIRCT	HRP: Whether director of a limited company	Hhold
HRPEMPST	HRP: Whether a manager or foreman	Hhold
HRPNEMPL	HRP: Number employed at place of work (including yourself)	Hhold
HRPSEMPR	(D) HRP: if self-employed do/did you have any employees? (Top coded)	Derived[1]
SECTOR	HRP: Is organisation private sector, public sector or non-profit	Hhold
ACTIVB2	(D) Activity status for last week - recoded	Derived[1]
STWORK	Any paid work in the last 7 days, either as an employee or self-employed	Indiv
WKLOOK4	Looking for paid work/govt scheme in last 4 weeks ending last Sunday	Indiv
WKSTRT2	If job or training scheme available, able to start within 2 weeks	Indiv
EVERJOB	Ever been in paid employment or been self-employed	Indiv
OTHPAID	Ever had other employment (apart from job you are waiting to take up)	Indiv
HOWLONG	How long have you been looking/were you looking for paid employment	Indiv
PAYAGER	(D) Age when last had a paid job - recoded	Derived[1]
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 employed at place of work (including yourself)	Indiv
SNEMPLEER	(D) If self-employed do/did you have any employees (Top coded)	Derived[1]
ISECTOR	Is organisation private sector, public sector or non-profit	Indiv
SOC2010B	(D) Sub-Major Group Standard Occupational Classification 2010	Derived[1]
SIC2007b3	(D) Standard Industrial Classification 2007 (grouped)	Derived[1]
SCLASS	Registrar General's Social Class of individual (old scheme)	Indiv
NSSEC8	(D) NS-SEC 8 variable classification (individual) (includes students most recent job)	Derived

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[1] Derivation not included in derived variable specification.

NSSEC5	(D) NS-SEC 5 variable classification (individual) (includes students most recent job)	Derived
NSSEC3	(D) NS-SEC 3 variable classification (individual) (includes students most recent job)	Derived
HPNSSEC8	(D) NS-SEC 8 variable classification (HRP) (includes students most recent job)	Derived
HPNSSEC5	(D) NS-SEC 5 variable classification (HRP) (includes students most recent job)	Derived
HPNSSEC3	(D) NS-SEC 3 variable classification (HRP) (includes students most recent job)	Derived

Ethnicity/Identity

Variable	Description	Source
ORIGIN2	(D) Grouped ethnic categories	Derived
RELIGSC	Religion (SC)	SC adult
NATID1	National identity: English	Indiv
NATID2	National identity: Welsh	Indiv
NATID3	National identity: Scottish	Indiv
NATID4	National identity: Irish	Indiv
NATID5	National identity: British	Indiv
NATID6	National identity: Other	Indiv
YNATSC1	National identity: English (SC)	SC 8+
YNATSC2	National identity: Welsh (SC)	SC 8+
YNATSC3	National identity: Scottish (SC)	SC 8+
YNATSC4	National identity: Irish (SC)	SC 8+
YNATSC5	National identity: British (SC)	SC 8+
YNATSC6	National identity: Something else (SC)	SC 8+

Income

Variable	Description	Source
SRCIN01d	Income: Earnings from employment or self-employment	Hhold
SRCIN02d	Income: State retirement pension	Hhold
SRCIN03d	Income: Pension from former employer	Hhold
SRCIN04d	Income: Personal pensions	Hhold
SRCIN05d	Income: Job-Seekers Allowance	Hhold
SRCIN06d	Income: Employment and Support Allowance	Hhold
SRCIN07d	Income: Income Support	Hhold
SRCIN08d	Income: Pension Credit	Hhold
SRCIN09d	Income: Working Tax Credit	Hhold
SRCIN10d	Income: Child Tax Credit	Hhold
SRCIN11d	Income: Child Benefit	Hhold
SRCIN12d	Income: Housing Benefit	Hhold
SRCIN13d	Income: Council Tax Benefit	Hhold
SRCIN14d	Income: Universal Credit	Hhold
SRCIN15d	Income: Other state benefits	Hhold
SRCIN16d	Income: Interest from savings and investments (e.g. stocks & shares)	Hhold
SRCIN17d	Income: Other kinds of regular allowance from outside your household (e.g. maintenance, student grants, rent)	Hhold
OTHINC	Whether other income in household	Hhold
JNTINC2	(D) Joint household income - recoded	Derived[1]
HHINC3	(D) Total household income - recoded	Derived[1]
EQV3	(D) Equivalised Income Tertiles	Derived
EQV5	(D) Equivalised Income Quintiles	Derived

Disability Allowance

Variable	Description	Source
ATTDISB1	Disability allowance: Attendance Allowance	Hhold
ATTDISB2	Disability allowance: Disability Living Allowance - care component	Hhold
ATTDISB3	Disability allowance: Disability Living Allowance - mobility component	Hhold
ATTDISB4	Disability allowance: Personal Independence Payment (PIP) - daily living component	Hhold
ATTDISB5	Disability allowance: Personal Independence Payment (PIP) - mobility component	Hhold
ATTDISB96	Disability allowance: None of these	Hhold

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[1] Derivation not included in derived variable specification.

Nurse Admin

Variable	Description	Source
EligNurse	Whether eligible for nurse visit	Indiv
NUROUTC	Outcome of nurse visit	Nurse
NURSE	Agreed to nurse appointment (at individual interview)	Indiv
NRSERF00	Refused nurse: Own doctor already has information	Indiv
NRSERF01	Refused nurse: Given enough time already to this survey/expecting too much	Indiv
NRSERF02	Refused nurse: Too busy, cannot spare the time	Indiv
NRSERF03	Refused nurse: Had enough of medical tests/medical profession at present time	Indiv
NRSERF04	Refused nurse: Worried about what nurse may find out	Indiv
NRSERF05	Refused nurse: Scared of medical profession/ particular medical procedures	Indiv
NRSERF06	Refused nurse: Not interested/can't be bothered/no particular reason	Indiv
NRSERF07	Refused nurse: Other reason	Indiv
QRTNVIS	(D) Quarter of year of nurse visit interview	Derived
NURDAYW	(D) Weekday of nurse interview	Derived

Relationships

Variable	Description	Source
MARSTATD	(D) Marital status including cohabitees	Derived
COUPLE2	(D) Living with anyone in this household	Derived[1]
LIVEWITH	Cohabitee	Hhold

Sample Info

Variable	Description	Source
SAMPTYPE	Sample type	Sample
URBAN14b	(D) Rurality of dwelling unit (urban/rural) - binary	Derived
QIMD19	(D) Quintiles of IMD score 2019 - least deprived to most deprived	Derived
GOR1	(D) Government Office Region (numeric)	Hhold
SHA	(D) Strategic Health Authority (OSHLTHAU)	Hhold
PSU_SCR	Archived Sample point number	Hhold
CLUSTER194	Scrambled Stratification variable (194 strata)	Hhold
CLUSTER94	Scrambled Stratification variable (94 strata)	Hhold
CLUSTER48	Scrambled Stratification variable (48 strata)	Hhold

Weighting

Variable	Description	Source
WT_INT	HSE 2019 Weight for analysis of core interview sample	Other
WT_NURSE	HSE 2019 Weight for analysis of core nurse sample	Other
WT_BLOOD	HSE 2019 Weight for analysis of core blood sample	Other
WT_COTININE	HSE 2019 Weight for analysis of cotinine sample (age 4+)	Other

[1] Derivation not included in derived variable specification.

Anthropometric Measurements

Birth

Variable	Description	Source
PREGNOWB	Whether pregnant now	Indiv

Height/Weight Admin

Variable	Description	Source
RESPHTS	Response to height measurement	Indiv
RESNHI	Reason for refusal of height	Indiv
EHTCH	Form in which estimated height given	Indiv
NOHTBC	Reason for not obtaining height measurement	Indiv
RELHITE	Height measurement reliable	Indiv
HINREL	Reason height measurement is unreliable	Indiv
RESPWTS	Response to weight measurement	Indiv
MBOOKHT	Height cm or feet and inches	Indiv
RESNWT	Refusal of weight measurement	Indiv
NOWTBC	Reason for not obtaining weight measurement	Indiv
EWTCH	Form in which estimated weight given	Indiv
FLOORC1	Scales placed on uneven floor	Indiv
FLOORC2	Scales placed on carpet	Indiv
FLOORC3	Scales placed on none of these	Indiv
RELWAITB	Weight measurement reliable	Indiv
MBookWt	Weight: Weight kg or stones and pounds	Indiv
HTOK	(D) Whether height measure is valid	Derived
WTOK	(D) Whether weight measure is valid	Derived
BMIOK	(D) Whether BMI measure is valid	Derived

Measurements

Variable	Description	Source
HEIGHT	Height (cm) inc unreliable measurements	Indiv
HtM17	Final measured height (cm)	Indiv
HTSR	Estimated height converted to cm	Indiv
WEIGHT	Weight (kg) - measured, inc unreliable measurements	Indiv
WTM17	Final measured weight (kg)	Indiv
WTSR	Estimated weight converted to kilograms	Indiv
WAIST1	Waist 1st measurement (cm)	Nurse
HIP1	Hip 1st measurement (cm)	Nurse
WAIST2	Waist 2nd measurement (cm)	Nurse
HIP2	Hip 2nd measurement (cm)	Nurse
WAIST3	Waist 3rd measurement (cm)	Nurse
HIP3	Hip 3rd measurement (cm)	Nurse
Estht2	(D) Final height - measured or estimated (cm)	Derived
Estwt2	(D) Final weight - measured or estimated (kg)	Derived
HTVAL	(D) Valid height (cm)	Derived
WTVAL	(D) Valid weight (Kg) inc. estimated>130kg	Derived
WTVAL2	(D) Valid weight (Kg) inc. estimated>200kg	Derived
WSTVAL	(D) Valid mean waist (cm)	Derived
HIPVAL	(D) Valid mean hip (cm)	Derived
BMIOWGT	(D) Overweight, incl obese, binary	Derived
BMISR	(D) Self-reported BMI	Derived
BMISRG5	(D) Self-reported BMI (grouped:<18.5,18.5-25,25-30,30-40 40+)	Derived
BMI	(D) BMI - inc unreliable measurements	Derived
BMIVAL	(D) Valid BMI measurements using estimated weight if >130kg	Derived
BMIVAL2	(D) Valid BMI measurements using estimated weight if >200kg	Derived
BMIVG5	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if >130kg	Derived
BMIVG52	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+) estimated weight if >200kg	Derived
BMIVG53	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-35 35+) estimated weight if >200kg	Derived

BMI6grp	(D) Valid BMI (grouped:<18.5,18.5-23,23-25,25-27.5,27.5-30,30+) estimated weight if >200kg	Derived
BMIVG3	(D) BMI grouped - underweight and normal; overweight; obese and morbidly obese	Derived
BMIVG6	(D) BMI grouped with Obese categories I, II, III (excluding invalid waist measurements)	Derived
BMIVG8	(D) BMI in 8 categories	Derived
BMI_GROUP	(D) BMI grouped excluding underweight and combining obese and morbidly obese	Derived
BMIVGDR	(D) WHO diabetes risk category	Derived
BMICAT1	(D) BMI standards age 2-15 (85th/95th centile) updated 2008	Derived
BMICAT2	(D) BMI status age 2-15 (overweight inc. obese)	Derived
BMICAT3	(D) BMI status age 2-15 (non-obese vs obese)	Derived
WHVAL	(D) Valid mean waist/hip ratio	Derived
MENWHGP	(D) Male waist hip ratio groups	Derived
MENWHHI	(D) Male high waist hip ratio	Derived
WOMWHGP	(D) Female waist hip ratio groups	Derived
WOMWHHI	(D) Female high waist hip ratio	Derived
WAISTHI	(D) Raised waist measurement over 102cm for men and 88cm for women	Derived
WSTGP3	(D) Waist circumference in 3 groups (valid waist)	Derived
WAIST	(D) Waist circumference, defined by NICE (3 groups, based on valid waist and BMIvg6)	Derived
OHTHRISK	(D) Health risk classifications based on body mass index (BMI) and waist circumference (as defined by NICE)	Derived
OHTHRISKG	(D) Health risk classifications based on body mass index (BMI) and waist circumference, grouped (as defined by NICE)	Derived

Waist/Hip Admin

Variable	Description	Source
RESPWH18	Response to waist/hip measurements (with extra code)	Nurse
YNOWH	Reason no waist/hip measurements	Nurse
WHOUTC	Waist Hip Outcome	Nurse
WHPNABM1	No waist/hip: Respondent is in a wheelchair	Nurse
WHPNABM2	No waist/hip: Respondent is confined to bed	Nurse
WHPNABM3	No waist/hip: Respondent is too stooped	Nurse
WHPNABM4	No waist/hip: Respondent did not understand the procedure	Nurse
WHPNABM5	No waist/hip: Respondent is embarrassed/sensitive about their size	Nurse
WHPNABM6	No waist/hip: No time/busy/already spent enough time on this survey	Nurse
WHPNABM7	No waist/hip: Other reason	Nurse
WHPNABM8	No waist/hip: Measurement tape not long enough	Nurse
WJREL	Whether problems with waist measurement	Nurse
PROBWST	Problems likely to increase or decrease waist measurement	Nurse
HJREL	Whether problems with hip measurement	Nurse
PROBHIP	Problems likely to increase or decrease hip measurement	Nurse
WSTOKB	(D) Whether waist measurements are valid	Derived
HIPOKB	(D) Whether hip measurements are valid	Derived
WHOKB	(D) Whether waist/hip measure is valid	Derived

Blood Sample

Admin

Variable	Description	Source
BSOUTC	Outcome of blood sample	Nurse
BSOUTE	(D) Blood Sample Outcome	Derived
CLOTB	Whether has clotting disorder	Nurse
FIT	Whether had a fit/convulsion in last five years	Nurse
BSWILL	Consent to blood sample	Nurse
REFBSC1	Refused blood sample: Previous difficulties with venepuncture	Nurse
REFBSC2	Refused blood sample: Dislike/fear of needles	Nurse
REFBSC3	Refused blood sample: Respondent recently had blood test/health check	Nurse
REFBSC4	Refused blood sample: Current illness	Nurse
REFBSC5	Refused blood sample: Worried about HIV or Aids	Nurse
REFBSC6	Refused blood sample: Other reason	Nurse
SAMPTAK	Blood sample outcome	Nurse
SAMPARM	Which arm blood was taken from	Nurse
SAMDIFC1	Blood sample prob: No problem	Nurse
SAMDIFC2	Blood sample prob: Incomplete sample	Nurse
SAMDIFC3	Blood sample prob: Collapsing/poor veins	Nurse
SAMDIFC4	Blood sample prob: Second attempt necessary	Nurse
SAMDIFC5	Blood sample prob: Some blood obtained but respondent felt faint/fainted	Nurse
SAMDIFC6	Blood sample prob: Unable to use tourniquet	Nurse
SAMDIFC7	Blood sample prob: Other reason	Nurse
NOBSC1	No blood obtained: No suitable/palpable vein/collapsed veins	Nurse
NOBSC2	No blood obtained: Respondent was too anxious/nervous	Nurse
NOBSC3	No blood obtained: Respondent felt faint/fainted	Nurse
NOBSC4	No blood obtained: Other reason	Nurse
GPSAM	Respondent registered with GP	Nurse
SENDSAM	Permission to send results of blood sample to GP	Nurse
SENSAC1	Blood sample not to GP: Hardly/never sees GP	Nurse
SENSAC2	Blood sample not to GP: GP recently took blood sample	Nurse
SENSAC3	Blood sample not to GP: Does not want to bother GP	Nurse
SENSAC4	Blood sample not to GP: Other reason	Nurse
CONSTORB	Consent to store blood for future analysis	Nurse
SNDRSAM	Whether wants results of blood sample sent	Nurse
CHOLOK2	(D) Response to Total Cholesterol sample	Derived
HDLOK2	(D) Response to HDL Cholesterol sample	Derived
GLYHBOK	(D) Response to Glycated haemoglobin sample	Derived

Measurements

Variable	Description	Source
CHOLEST	Total cholesterol result (mmol/L)	Lab
CHOLQUAL	Total cholesterol serum quality	Lab
CHOLVAL3	(D) Valid Total Cholesterol result	Derived
CHOLVAL13	(D) Valid Total Cholesterol result (incl those on LLD)	Derived
CHOLFOUR3	(D) Whether Total Cholesterol < 4 (incl those on LLD)	Derived
CHOLFIVE3	(D) Whether Total Cholesterol < 5 (incl those on LLD)	Derived
HDLCHOL	HDL Cholesterol result	Lab
HDLQUAL	HDL Cholesterol serum quality	Lab
HDLVAL3	(D) Valid HDL Cholesterol result	Derived
HDLVAL13	(D) Valid HDL Cholesterol result (incl those on LLD)	Derived
HDLONE3	(D) Whether HDL Cholesterol result <1 (incl those on LLD)	Derived
Raised	(D) Total cholesterol - raised, over 4.9 (mmol/L)	Derived
GLYHB	Glycated haemoglobin result (%)	Lab
GLHBQUAL	Glycated haemoglobin serum quality	Lab
GLYHBVAL2	(D) Valid Glycated haemoglobin result (%)	Derived
GLYHB3G2	(D) Glycated haemoglobin (%) 3 groups	Derived
GLYHBHI2	(D) Raised Glycated haemoglobin (%)	Derived
IFCCA1	Glycated haemoglobin result (mmol/mol)	Lab
IFCCA1Q	Glycated haemoglobin serum quality (mmol/mol)	Lab
CHOLVALA	(D) Valid Total Cholesterol Result mmol/L (comparable with pre-2010 results)	Derived

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

Blood Pressure

Admin

Variable	Description	Source
BPOUTC	Outcome of blood pressure measurement	Nurse
BPCONST	Consent to give BP measurement	Nurse
CONSBX11	Eaten in the last 30 mins	Nurse
CONSBX12	Smoked in the last 30 mins	Nurse
CONSBX13	Drunk alcohol in the last 30 mins	Nurse
CONSBX14	Exercised vigorously in the last 30 mins	Nurse
CONSBX15	None of these in the last 30 mins	Nurse
CON60SB1	Eaten in the past 60 minutes	Nurse
CON60SB2	Smoked in the past 60 minutes	Nurse
CON60SB3	Drunk alcohol in the past 60 minutes	Nurse
CON60SB4	Exercised vigorously in the past 60 minutes	Nurse
CON60SB5	None of these in the past 60 minutes	Nurse
CONSU2X1	Eaten in the past 30 minutes (age 5-12)	Nurse
CONSU2X4	Exercised vigorously in the past 30 minutes (age 5-12)	Nurse
CONSU2X5	Neither in the past 30 minutes (age 5-12)	Nurse
CON60S21	Eaten in the past 60 minutes (age 5-12)	Nurse
CON60S24	Exercised vigorously in the past 60 minutes (age 5-12)	Nurse
CON60S25	Neither in the past 60 minutes (age 5-12)	Nurse
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 respondent's 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 categories: all prescribed drugs for BP (Omron readings) {revised}	Derived
HYPER2OM2	(D) Hypertensive categories: all taking BP drugs (Omron readings) {revised}	Derived
HY140OM2	(D) Hypertensive categories:140/90: all prescribed drugs for BP (Omron readings) {revised}	Derived
HIBP1OM2	(D) Whether hypertensive: all prescribed drugs for BP (Omron readings) {revised}	Derived
HIBP2OM2	(D) Whether hypertensive: all taking BP drugs (Omron readings) {revised}	Derived
HBP140OM2	(D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings) {revised}	Derived
BPHI3G	(D) Valid blood pressure 3 groups	Derived
HBP160OM2	(D) Hypertensive untreated (160/100): all prescribed drugs for BP (Omron readings) {revised}	Derived
Hyptreat	(D) Hypertensive untreated: all prescribed drugs for BP (Omron readings) {revised}	Derived
omsysvalg5	(D) SBP in 5 groups	Derived

Drinking

Adult General

Variable	Description	Source
WHYTT	Stopped drinking because of a particular health condition (Capi)	Indiv
CWhyTT	Reason why stopped drinking (CASI)	CASI
DNNOW_19	Whether drink nowadays (capi+casi)	Indiv/CASI
DNANY_19	Whether drinks occasionally or never drinks (capi+casi)	Indiv/CASI
DNEVR_19	Whether always non-drinker (capi+casi)	Indiv/CASI
DNOFT_19	Frequency drank any alcoholic drink last 12 mths (capi+casi)	Indiv/CASI
DNOFT3_19	(D) Frequency drunk alcohol in past 12 months: including non-drinkers (16yrs+)	Derived
DRINKYN_19	(D) Drunk alcohol in last 12 months, binary	Derived
NORBOT_19	(D) Normal beer bottle multiplier (16yrs+)	Derived
STRBOT_19	(D) Strong beer bottle multiplier (16yrs+)	Derived

Adult 7 Days

Variable	Description	Source
DRNKSAME	Whether drank more on a particular day in the last 7 days (Capi)	Indiv
CDrnkSame	Whether drank more on a particular day in the last 7 days (CASI)	CASI
WHICHDAY	Which day drank the most in the last 7 days (Capi)	Indiv
CWhichDay	Which day drank most in the last 7 days (CASI)	CASI
DRAMOUNT	Drink now compared to 5 years ago (Capi)	Indiv
CDrAmount	Drink now compared to 5 years ago (CASI)	CASI
D7DAY_19	Whether had drink in last 7 days (capi+casi)	Indiv/CASI
D7MANY_19	How many days in last 7 had a drink (capi+casi)	Indiv/CASI
DrnkType1	What types of drink did you have that day? Normal strength beer/lager/stout/cider/shandy (Capi)	Indiv
DrnkType2	What types of drink did you have that day? Strong beer/lager/stout/cider (Capi)	Indiv
DrnkType3	What types of drink did you have that day? Spirits or liqueurs (Capi)	Indiv
DrnkType4	What types of drink did you have that day? Sherry or martini (Capi)	Indiv
DrnkType5	What types of drink did you have that day? Wine (Capi)	Indiv
DrnkType6	What types of drink did you have that day? Alcopops/pre-mixed alcoholic drink (Capi)	Indiv
DrnkType7	What types of drink did you have that day? Other alcoholic drinks (Capi)	Indiv
DrnkType8	What types of drink did you have that day? Low alcohol drinks only (Capi)	Indiv
CDrnkType1	Type of drink on heaviest day: Normal strength beer/lager/stout/cider/shandy (CASI)	CASI
CDrnkType2	Type of drink on heaviest day: Strong beer/lager/stout/cider (CASI)	CASI
CDrnkType3	Type of drink on heaviest day: Spirits or liqueurs (CASI)	CASI
CDrnkType4	Type of drink on heaviest day: Sherry or martini (CASI)	CASI
CDrnkType5	Type of drink on heaviest day: Wine (CASI)	CASI
CDrnkType6	Type of drink on heaviest day: Alcopops/pre-mixed alcoholic drinks (CASI)	CASI
CDrnkType7	Type of drink on heaviest day: Other alcoholic drinks (CASI)	CASI
CDrnkType8	Type of drink on heaviest day: Low alcohol drinks only (CASI)	CASI
CDrnkType98	Type of drink on heaviest day: Don't know (CASI)	CASI
NBRL7191	Heaviest day normal beer: Pints (Capi)	Indiv
NBRL7192	Heaviest day normal beer: Small cans (Capi)	Indiv
NBRL7193	Heaviest day normal beer: Large cans (Capi)	Indiv
NBRL7194	Heaviest day normal beer: Bottles (Capi)	Indiv
CNBrL71	Amount of normal beer on heaviest day: Pints (CASI)	CASI
CNBrL72	Amount of normal beer on heaviest day: Small cans (CASI)	CASI
CNBrL73	Amount of normal beer on heaviest day: Large cans (CASI)	CASI
CNBrL74	Amount of normal beer on heaviest day: Bottles (CASI)	CASI
CNBrL798	Amount of normal beer on heaviest day: Don't know (CASI)	CASI
nberpt7_19	Amount normal beer (pints) on heaviest day (capi+casi)	Indiv/CASI
nbersm7_19	Amount normal beer (small cans/bottles) on heaviest day (capi+casi)	Indiv/CASI
nberlg7_19	Amount normal beer (large cans/bottles) on heaviest day (capi+casi)	Indiv/CASI
nberbt7_19	How many normal beer (bottles) on heaviest day (capi+casi)	Indiv/CASI
L7NCod_19	Normal beer bottle size (pints) on heaviest day (capi+casi)	Indiv/CASI
SBRL7191	Heaviest day strong beer: Pints (Capi)	Indiv
SBRL7192	Heaviest day strong beer: Small cans (Capi)	Indiv
SBRL7193	Heaviest day strong beer: Large cans (Capi)	Indiv
SBRL7194	Heaviest day strong beer: Bottles (Capi)	Indiv
CSBrL71	Heaviest day strong beer: Pints (CASI)	CASI

CSBrL72	Heaviest day strong beer: Small cans (CASI)	CASI
CSBrL73	Heaviest day strong beer: Large cans (CASI)	CASI
CSBrL74	Heaviest day strong beer: Bottles (CASI)	CASI
CSBrL798	Heaviest day strong beer: Don't know (CASI)	CASI
sberpt7_19	Amount strong beer (pints) on heaviest day (capi+casi)	Indiv/CASI
sbersm7_19	Amount strong beer (small cans/bottles) on heaviest day (capi+casi)	Indiv/CASI
sberlg7_19	Amount strong beer (large cans/bottles) on heaviest day (capi+casi)	Indiv/CASI
sberbt7_19	How many strong beer (bottles) on heaviest day (capi+casi)	Indiv/CASI
L7SCod_19	Strong beer bottle size (pints) on heaviest day (capi+casi)	Indiv/CASI
spirme7_19	Amount spirits (measures) on heaviest day (capi+casi)	Indiv/CASI
shergs7_19	Amount sherry (glasses) on heaviest day (capi+casi)	Indiv/CASI
WineL7191	Bottles of wine, including sparkling wines such as champagne or prosecco drunk on heaviest day (Capi)	Indiv
WineL7192	Glasses of wine, including sparkling wines such as champagne or prosecco drunk on heaviest day (Capi)	Indiv
CWineL71	How much wine, including sparkling wines such as champagne or prosecco, drunk on heaviest day: Bottles or parts of bottle (CASI)	CASI
CWineL72	How much wine, including sparkling wines such as champagne or prosecco, drunk on heaviest day: Glasses (CASI)	CASI
CWineL798	How much wine, including sparkling wines such as champagne or prosecco, drunk on heaviest day: Don't know (CASI)	CASI
cwbtlgz_19	125ml glasses from a bottle (CASI)	CASI
CWL7Glz1	Drinking from a large (250 ml) glass (CASI)	CASI
CWL7Glz2	Drinking from a standard (175 ml) glass (CASI)	CASI
CWL7Glz3	Drinking from a small (125 ml) glass (CASI)	CASI
CWL7Glz98	Don't know size of glass (CASI)	CASI
wgl250ml_19	Amount wine (250ml glasses) on heaviest day (capi+casi)	Indiv/CASI
wgl175ml_19	Amount wine (175ml glasses) on heaviest day (capi+casi)	Indiv/CASI
wgl125ml_19	Amount wine (125ml glasses) on heaviest day (capi+casi)	Indiv/CASI
wbtlgz_19	Amount wine (125ml glasses from a bottle) on heaviest day (capi+casi)	Indiv/CASI
wgldk_19	Amount wine (don't know size of glass) on heaviest day (capi+casi)	Indiv/CASI
POPSL711	Heaviest day alcopops: Small cans (Capi)	Indiv
POPSL712	Heaviest day alcopops: Standard bottles (275ml) (Capi)	Indiv
POPSL713	Heaviest day alcopops: Large bottles (700ml) (Capi)	Indiv
CPopsL711	Heaviest day alcopops: Small cans (CASI)	CASI
CPopsL712	Heaviest day alcopops: Standard bottles (275ml) (CASI)	CASI
CPopsL713	Heaviest day alcopops: Large bottles (700ml) (CASI)	CASI
CPopsL7198	Heaviest day alcopops: Don't know (CASI)	CASI
popssc7_19	Amount alcopops (small cans) on heaviest day (capi+casi)	Indiv/CASI
popsbt7_19	Amount alcopops (standard bottles) on heaviest day (capi+casi)	Indiv/CASI
popslg7_19	Amount alcopops (large bottles) on heaviest day (capi+casi)	Indiv/CASI
D7MANY3_19	(D) Number of days drank in last week, including none	Derived
D7UNITWG_19	(D) Units drunk on heaviest day in last 7 (16yrs+)	Derived
D7UNITWGRP_19	(D) Units drunk on heaviest day in last 7 (16yrs+)	Derived
WDRINK7B_19	(D) Women number of units	Derived
MDRINK7B_19	(D) Men number of units	Derived
ALCLIMIT7B_19	(D) Alcohol units - limits based on (variable d7unitwgrp) units per day	Derived
D7BEERU_19	(D) Units of normal beer on heaviest day	Derived
D7SBU_19	(D) Units of strong beer on heaviest day	Derived
D7SPIRU_19	(D) Units of spirits on heaviest day	Derived
D7WINU_19	(D) Units of wine on heaviest day	Derived
D7SHERU_19	(D) Units of sherry on heaviest day	Derived
D7POPU_19	(D) Units of alcopops on heaviest day	Derived

Adult 12 Months

Variable	Description	Source
NBEER	Freq of drinking normal beer etc. over last 12 months (Capi)	Indiv
NBEERM191	12 months normal beer: Pints (Capi)	Indiv
NBEERM192	12 months normal beer: Small cans (Capi)	Indiv
NBEERM193	12 months normal beer: Large cans (Capi)	Indiv
NBEERM194	12 months normal beer: Bottles (Capi)	Indiv
NBEERQ19a	Amount of normal beer etc. usually drunk on any one day (pints) (Capi)	Indiv
NBEERQ19b	Amount of normal beer etc. usually drunk on any one day (small cans) (Capi)	Indiv
NBEERQ19c	Amount of normal beer etc. usually drunk on any one day (large cans) (Capi)	Indiv
NBEERQ19d	Amount of normal beer etc. usually drunk on any one day (bottles) (Capi)	Indiv
SBEER	Freq of drinking strong beer etc. over last 12 months (Capi)	Indiv

SBeerM191	12 months strong beer: Pints (Capi)	Indiv
SBeerM192	12 months strong beer: Small cans (Capi)	Indiv
SBeerM193	12 months strong beer: Large cans (Capi)	Indiv
SBeerM194	12 months strong beer: Bottles (Capi)	Indiv
SBeerQ19a	Amount of strong beer etc. usually drunk on any one day (pints) (Capi)	Indiv
SBeerQ19b	Amount of strong beer etc. usually drunk on any one day (small cans) (Capi)	Indiv
SBeerQ19c	Amount of strong beer etc. usually drunk on any one day (large cans) (Capi)	Indiv
SBeerQ19d	Amount of strong beer etc. usually drunk on any one day (bottles) (Capi)	Indiv
SPIRITS	Freq of drinking spirits over last 12 months (Capi)	Indiv
SPIRITSQ	Amount of spirits usually drunk on any one day (single measures) (Capi)	Indiv
SHERRY	Freq of drinking sherry over last 12 months (Capi)	Indiv
SHERRYQ	Amount of sherry usually drunk on any one day (small glasses) (Capi)	Indiv
WINE	Freq of drinking wine over last 12 months (Capi)	Indiv
WINEQ	Amount of wine usually drunk on any one day (Capi)	Indiv
BWINEQ2	Normal glass size (Capi)	Indiv
POPS	Freq of drinking alcopops over last 12 months (Capi)	Indiv
POPSLY11	12 months alcopops: small cans (Capi)	Indiv
POPSLY12	12 months alcopops: standard bottles (275ml) (Capi)	Indiv
POPSLY13	12 months alcopops: large bottles (700ml) (Capi)	Indiv
POPSQ111	Amount of alcopops usually drunk on any one day (small cans) (Capi)	Indiv
POPSQ112	Amount of alcopops usually drunk on any one day (standard bottles) (Capi)	Indiv
POPSQ113	Amount of alcopops usually drunk on any one day (large bottles) (Capi)	Indiv
CNBeer	Freq of drinking normal beer etc. over last 12 months (CASI)	CASI
CNBeerM1	12 months normal beer: Pints (CASI)	CASI
CNBeerM2	12 months normal beer: Small cans (CASI)	CASI
CNBeerM3	12 months normal beer: Large cans (CASI)	CASI
CNBeerM4	12 months normal beer: Bottles (CASI)	CASI
CNBeerM98	12 months normal beer: Don't know (CASI)	CASI
CNBeerQa	Amount of normal beer etc. usually drunk on any one day (pints) (CASI)	CASI
CNBeerQb	Amount of normal beer etc. usually drunk on any one day (small cans) (CASI)	CASI
CNBeerQc	Amount of normal beer etc. usually drunk on any one day (large cans) (CASI)	CASI
CNBeerQd	Amount of normal beer etc. usually drunk on any one day (bottles) (CASI)	CASI
CSBeer	Freq of drinking strong beer etc. over last 12 months (CASI)	CASI
CSBeerM1	12 months strong beer: Pints (CASI)	CASI
CSBeerM2	12 months strong beer: Small cans (CASI)	CASI
CSBeerM3	12 months strong beer: Large cans (CASI)	CASI
CSBeerM4	12 months strong beer: Bottles (CASI)	CASI
CSBeerM98	12 months strong beer: Don't know (CASI)	CASI
CSBeerQa	Amount of strong beer etc. usually drunk on any one day (pints) (CASI)	CASI
CSBeerQb	Amount of strong beer etc. usually drunk on any one day (small cans) (CASI)	CASI
CSBeerQc	Amount of strong beer etc. usually drunk on any one day (large cans) (CASI)	CASI
CSBeerQd	Amount of strong beer etc. usually drunk on any one day (bottles) (CASI)	CASI
CSpirits	Freq of drinking spirits over last 12 months (CASI)	CASI
CSpiritsQ	Amount of spirits usually drunk on any one day (single measures) (CASI)	CASI
CSherry	Freq of drinking sherry over last 12 months (CASI)	CASI
CSherryQ	Amount of sherry usually drunk on any one day (small glasses) (CASI)	CASI
CWine	Freq of drinking wine over last 12 months (CASI)	CASI
CWineQ1	Amount of wine usually drunk on any one day (bottles or parts of bottles) (CASI)	CASI
CWineQ2	Amount of wine usually drunk on any one day (glasses) (CASI)	CASI
CWineQ98	Amount of wine usually drunk on any one day (don't know) (CASI)	CASI
CWineQBt	How many bottles of wine usually drunk on any one day (CASI)	CASI
CWineQGl	Number of glasses of wine usually drunk on any one day (CASI)	CASI
CBWineQ19	Were those mainly bottles, small glasses, standard glasses, large glasses (or don't know) (CASI)	CASI
CPops	Freq of drinking alcopops over last 12 months (CASI)	CASI
CPopsLY11	12 months alcopops: small cans (CASI)	CASI
CPopsLY12	12 months alcopops: standard bottles (275ml) (CASI)	CASI
CPopsLY13	12 months alcopops: large bottles (700ml) (CASI)	CASI
CPopsLY198	12 months alcopops: don't know (CASI)	CASI
CPopsQ111	Amount of alcopops usually drunk on any one day (small cans) (CASI)	CASI
CPopsQ112	Amount of alcopops usually drunk on any one day (standard bottles) (CASI)	CASI
CPopsQ113	Amount of alcopops usually drunk on any one day (large bottles) (CASI)	CASI
nbeerwu_19	(D) Units of normal beer/week	Derived
sbeerwu_19	(D) Units of strong beer/week	Derived
spirwu_19	(D) Units of spirits/week	Derived
sherwu_19	(D) Units of sherry/week	Derived
winewu_19	(D) Units of wine/week	Derived
popswu_19	(D) Units of alcopops/week	Derived
totalwu_19	(D) Total units of alcohol/week	Derived

alcbase_19	(D) Alcohol consumption rating units/week	Derived
totalwug_19	(D) Alcohol units per week - grouped (based on alcbase)	Derived
totalwug2_19	(D) Alcohol units per week - risk groups (2016 guidelines for men) (based on alcbase)	Derived
totalwug5_19	(D) Alcohol units per week grouped (based on alcbase)	Derived
alcbswt_19	(D) Alcohol consumption: women (based on alcbase)	Derived
alcbsmt_19	(D) Alcohol consumption: men (2016 guidelines) (based on alcbase)	Derived
womenwug_19	(D) Weekly alcohol consumption: women (based on totalwu)	Derived
menwug_19	(D) Weekly alcohol consumption: men (2016 guidelines) (based on totalwu)	Derived
WomWUg2_19	(D) Weekly alcohol consumption for women, 3 groups (based on totalwu)	Derived
MenWUg2_19	(D) Weekly alcohol consumption for men, 3 groups (2016 guidelines) (based on totalwu)	Derived

Children 8-15

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

Children 13-15

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

General Health

General Health

Variable	Description	Source
ACUTILL	(D) Acute sickness last two weeks	Derived
ReducAct	Day-to-day activities reduced due to illness	Indiv
AffLng	How long day-to-day activities have been reduced	Indiv
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
GPReg	Registered with a GP or a family doctor	Indiv
DocTalkYr	In the last 12 months, approximately how many times talked to, or visited a GP or family doctor about own health	Indiv
DocWhyYr	Which of these things talked to doctor about	Indiv
ThCoUse1	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Psychotherapy or psychoanalysis	Indiv
ThCoUse2	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Cognitive behavioural therapy	Indiv
ThCoUse3	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Art, music or drama therapy	Indiv
ThCoUse4	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Social skills training	Indiv
ThCoUse5	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Couples or family therapy	Indiv
ThCoUse7	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Mindfulness therapy	Indiv
ThCoUse8	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Alcohol or drug counselling	Indiv
ThCoUse9	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Counselling (including bereavement)	Indiv
ThCoUsOth	(D) Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: Another type of therapy, including sex therapy	Derived[1]
ThCoUse11	Last 12 months types of counselling or therapy for a mental health, nervous or emotional problem: None of these	Indiv
DocTalkG	(D) Number of times seen a GP in the last 12 months, 3 groups (only those registered with a GP)	Derived
DocTalkG4	(D) Number of times seen a GP in the last 12 months, 3 groups (including those not registered with GP)	Derived
DocSeenY	(D) Reason for seeing GP - all those registered with a GP (including those registered who have not seen GP in the last 12 months)	Derived
DocGroup	(D) Reasons for consulting doctor - 4 groups	Derived
ThCoAny	(D) Any type of therapy or counselling in the last 12 months for a mental health, nervous or emotional problem	Derived

General Wellbeing

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

WEMWBS

Variable	Description	Source
OptimF	Been feeling optimistic about the future	SC adult
Useful	Been feeling useful	SC adult
Relax	Been feeling relaxed	SC adult
IntPeop	Been feeling interested in other people	SC adult
Energy	I've had energy to spare	SC adult
Dealprb	Been dealing with problems well	SC adult
ThkClr	Been thinking clearly	SC adult

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[1] Derivation not included in derived variable specification.

Goodme	Been feeling good about myself	SC adult
ClsePeop	Been feeling close to other people	SC adult
Confidet	Been feeling confident	SC adult
Makemind	Been able to make up my own mind about things	SC adult
Loved	Been feeling loved	SC adult
IntThgs	Been interested in new things	SC adult
Cheer	Been feeling cheerful	SC adult
wemwbs	(D) WEMWBS Score	Derived

Long Lasting Illness

Variable	Description	Source
ILL12M	Whether have any physical or mental health conditions or illnesses lasting or expected to last 12 months or more	Indiv
ILLAFF1	Whether conditions or illnesses affect: Vision (for example blindness or partial sight)	Indiv
ILLAFF2	Whether conditions or illnesses affect: Hearing (for example deafness or partial hearing)	Indiv
ILLAFF3	Whether conditions or illnesses affect: Mobility (for example walking short distances or climbing stairs)	Indiv
ILLAFF4	Whether conditions or illnesses affect: Dexterity (for example lifting and carrying objects, using a keyboard)	Indiv
ILLAFF5	Whether conditions or illnesses affect: Learning or understanding or concentrating	Indiv
ILLAFF6	Whether conditions or illnesses affect: Memory	Indiv
ILLAFF7	Whether conditions or illnesses affect: Mental health	Indiv
ILLAFF8	Whether conditions or illnesses affect: Stamina, breathing or fatigue	Indiv
ILLAFF9	Whether conditions or illnesses affect: Socially or behaviourally (for example associated with autism, attention deficit disorder or Asperger's syndrome)	Indiv
ILLAFF95	Whether conditions or illnesses affect: Other	Indiv
ILLAFF96	Whether conditions or illnesses affect: None of these	Indiv
ILLAFF97	Whether conditions or illnesses affect: Refusal	Indiv
limitill	(D) Limiting longstanding illness	Derived
LIMLAST	(D) Limiting longlasting illness	Derived

Prescribed Medicines: Drugs affecting blood analytes/Other drugs

Variable	Description	Source
DIUR2	(D) Diuretics prescribed (Blood pressure) {revised}	Derived
BETA2	(D) Beta blockers prescribed (Blood pressure/Fibrinogen) {revised}	Derived
ACEINH2	(D) Ace inhibitors prescribed (Blood pressure) {revised}	Derived
CALCIUMB2	(D) Calcium blockers prescribed (Blood pressure) {revised}	Derived
OBPDRUG2	(D) Other prescribed drugs affecting BP {revised}	Derived
LIPID2	(D) Lipid lowering (Cholesterol/Fibrinogen) prescribed {revised}	Derived
IRON2	(D) Iron deficiency (Haemoglobin/Ferritin) prescribed {revised}	Derived
BPMEDC2	(D) Whether taking drugs affecting blood pressure {revised}	Derived
BPMEDD2	(D) Whether taking drugs prescribed for blood pressure {revised}	Derived
ANTIPLAM2	(D) Antiplatelets prescribed (binary)	Derived
ANALGM2	(D) Analgesics prescribed (binary)	Derived
PROTONM2	(D) Proton pump inhibitors prescribed (binary)	Derived
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
MedsTak2g3	(D) Number of medications taken in last 7 days in 3 groups (excluding 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 antiplatelets taken in last 7 days, (binary)	Derived
ANALGTAKG2	(D) Any prescribed analgesics taken in last 7 days (binary)	Derived
PROTONTAKG2	(D) Any prescribed proton pump inhibitors taken in last 7 days (binary)	Derived
ANTIDEPTAKG2	(D) Any antidepressants taken in last 7 days (binary)	Derived
COPDTAKG2	(D) Any prescribed asthma or COPD medications taken in last 7 days (binary)	Derived
ANTIDIABTAKG2	(D) Any prescribed antidiabetic medications taken in last 7 days (binary)	Derived
ANTIBACTAKG2	(D) Any prescribed antibacterial medications taken in last 7 days (binary)	Derived
DIURTAKg2	(D) Any prescribed diuretic medications taken in last 7 days (binary)	Derived
NSAIDTAKg2	(D) Any prescribed NSAIDs medications taken in last 7 days (binary)	Derived
ACETAKg2	(D) Any prescribed ACE medications taken in last 7 days (binary)	Derived
METFORTAKg2	(D) Any prescribed Metformin medications taken in last 7 days (binary)	Derived
ANTIPSYTAKg2	(D) Any prescribed Antipsychotic medications taken in last 7 days (binary)	Derived
HYPNOTAKg2	(D) Any prescribed Hypnotics medications taken in last 7 days (binary)	Derived
MENHTAKg2	(D) Any prescribed mental health medications taken in last 7 days (binary)	Derived
HyperATakg2	(D) Any prescribed antihypertensives taken in last 7 days regardless of Hypertension (binary)	Derived
physTAKg2	(D) Any prescribed physical health medications taken in the last 7 days (binary)	Derived

Self-Assessed Health

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

Eating disorder screener (SCOFF)

Variable	Description	Source
SCFdLWgt	Lost more than one stone in a 3 month period during the last year	SC adult
SCFdSick	Made yourself be sick because you felt uncomfortably full during the last year	SC adult
SCFdCtrl	Worry you had lost control over how much you eat during the last year	SC adult
SCFdBFat	Believe yourself to be fat when others said you were too thin during the last year	SC adult
SCFdDom	Food dominated your life during the last year	SC adult
SCFdResp	Feelings about food interfere with your ability to work, meet personal responsibilities and/or enjoy a social life during the last year	SC adult
SCOFF2	(D) SCOFF Score grouped, 2+	Derived
SCOFFIMP	(D) SCOFF Score grouped 2+ with significant impact	Derived

Good Thinking

Good Thinking

Variable	Description	Source
GoodT	Seen or heard of Good Thinking	Indiv
GTUse	How many times before HSE interview, used Good Thinking online	Indiv

Every Mind Matters

Every Mind Matters

Variable	Description	Source
Aware	Ever seen or heard of Every Mind Matters	Indiv
CamUse	How many times before HSE interview, looked at Every Mind Matters videos or information online	Indiv

Cardiovascular disease

Blood Pressure

Variable	Description	Source
EverBP	Ever had high blood pressure (also known as hypertension)	Indiv
DocBP	Told by a doctor/nurse had high BP	Indiv
PregBP	Pregnant when told had high BP	Indiv
OthBP	High BP apart from when pregnant	Indiv
AgeBPg	(D) Age told had high BP (grouped)	Derived[1]
bp1	(D) Doctor diagnosed high blood pressure (excluding pregnant)	Derived

Diabetes

Variable	Description	Source
EverDi	Ever had diabetes	Indiv
Diabetes	Told by a doctor had diabetes	Indiv
TypeD	Told by a doctor/nurse had Type I or Type II diabetes	Indiv
DiPreg	Pregnant when told had diabetes	Indiv
DiOth	Ever had diabetes apart from when pregnant	Indiv
DiageG	(D) Age when first told by a doctor had diabetes (grouped)	Derived[1]
Insulin	Currently inject insulin for diabetes	Indiv
DiMed	Currently taking any medicines, tablets or pills for diabetes	Indiv
diabete2	(D) Doctor diagnosed diabetes (excluding pregnant)	Derived
diabete2r	(D) Doctor diagnosed diabetes (excluding pregnant) {revised}	Derived
diabtype	(D) Type of diabetes	Derived
diabtyper	(D) Type of diabetes {revised}	Derived
diabete3	(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)	Derived
diabete3r	(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}	Derived

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[1] Derivation not included in derived variable specification.

diabete3ra	(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised} (comparable with pre-September 2013)	Derived
diabtot	(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)	Derived
diabtotr	(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}	Derived
diab3mmol	(D) Diabetes from blood sample (48+mmol/mol) or doctor diagnosis (excluding pregnancy-only diabetes)	Derived
diab3mmolg	(D) Total diabetes from blood sample or doctor diagnosis	Derived

Dental health

Dental health

Variable	Description	Source
NatTeeth	How many natural teeth	Indiv
ChildDH	Children aged 0-15 - how often in the past six months had time off school/nursery because of problems with teeth, mouth or gums	Indiv
OffWkDH1	How often in the past six months had time off work because of problems with child's teeth, mouth or gums	Indiv
OffWkDH2	How often in the past six months had time off work because of problems with child's teeth, mouth or gums	Indiv
OffWkDH3	How often in the past six months had time off work because of problems with child's teeth, mouth or gums	Indiv
OffWkDH4	How often in the past six months had time off work because of problems with child's teeth, mouth or gums	Indiv
Moth_OffWork2	(D) Female parent/guardian's time off work in the past six months because of problem's with child's teeth, top coded	Derived*
Fath_OffWork2	(D) Male parent/guardian's time off work in the past six months because of problem's with child's teeth, top coded	Derived*

Smoking

Adults General

Variable	Description	Source
smkevr_19	Whether ever smoked cigarette/cigar/pipe (capi+casi)	Indiv/CASI
cignow_19	Whether smoke cigarettes nowadays (capi+casi)	Indiv/CASI
SmokeLMon	Smoked any cigarettes in the last month (Capi)	Indiv
SmokeOft	How often smoked a cigarette during the last month (Capi)	Indiv
CSmokeLMon	Smoked cigarettes in the last month (CASI)	CASI
CSmokeOft	How often smoked a cigarette during the last month (CASI)	CASI
cigevr_19	Whether ever smoked cigarettes (capi+casi)	Indiv/CASI
CigarNow_19	Currently smokes cigars (capi+casi)	Indiv/CASI
CIGARREG	How regularly smokes cigars (Capi)	Indiv
CCigarReg	How regularly smokes cigars (CASI)	CASI
PipeNow_19	Currently smokes a pipe (capi+casi)	Indiv/CASI
CigPipeNow_19	(D) Current user of cigars or pipes, 16+yrs	Derived
STARTSMK19	Age started smoking cigarettes regularly (Capi)	Indiv
CStartSmk	Age when started smoking cigarettes regularly (CASI)	CASI
DRSMK1219	In the last 12 months medical person advised to stop smoking completely (Capi)	Indiv
CDrSmk12	Whether medical person ever advised to stop (CASI)	CASI
CIGST1_19	(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current	Derived
CIGSTA3_19	(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg	Derived

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* Syntax for intra-household variables not detailed in the derived variable specification.

CIGST2_19	(D) Cigarette Smoking Status - Banded current smokers	Derived
ShishEvr_19	Ever smoked hookah or shisha (capi+casi)	Indiv/CASI
ShishNw_19	Used hookah or shisha in last month (capi+casi)	Indiv/CASI
TobEver_19	Ever used non-smoked tobacco that you put in your mouth (capi+casi)	Indiv/CASI
TobNow_19	Used non-smoked tobacco that you put in your mouth in the last month (capi+casi)	Indiv/CASI
ECigEvr_19	Ever used electronic cigarette or other vaping device (capi+casi)	Indiv/CASI
ECigNw_19	Use e-cigarette or vaping device nowadays (capi+casi)	Indiv/CASI
expsmok_19	Number of hours/week exposed to others' smoke (capi+casi)	Indiv/CASI
Expsmok3_19	(D) Any adult self-reported exposure to other people's smoke, 16+, binary	Derived
Expsmok4_19	(D) Number of hours exposed to other people's smoke, grouped	Derived
ParSm	Parents ever smoked regularly when a child (Capi)	Indiv
CParSm	Parents smoked regularly as a child (CASI)	CASI
PASSMOKE1_19	Regularly exposed to other people's smoke: At home (capi+casi)	Indiv/CASI
PASSMOKE2_19	Regularly exposed to other people's smoke: At work (capi+casi)	Indiv/CASI
PASSMOKE3_19	Regularly exposed to other people's smoke: In other people's homes (capi+casi)	Indiv/CASI
PASSMOKE4_19	Regularly exposed to other people's smoke: Travelling by car or van (capi+casi)	Indiv/CASI
PASSMOKE5_19	Regularly exposed to other people's smoke: Outdoor smoking areas of pubs/restaurants/cafes (capi+casi)	Indiv/CASI
PASSMOKE6_19	Regularly exposed to other people's smoke: In other places (capi+casi)	Indiv/CASI
PASSMOKE7_19	Regularly exposed to other people's smoke: No, none of these (capi+casi)	Indiv/CASI
PASSMK_19	Does this bother you at all? (capi+casi)	Indiv/CASI
ECigPass_19	Regularly exposed to other people's vapour from e-cigarette or vaping devices (capi+casi)	Indiv/CASI
ECigBoth_19	Does this bother you? (capi+casi)	Indiv/CASI
ECIGUSE_19	(D) E-cigarette or vaping device use (current use, not a current user but has used, never used)	Derived
ECIGUSE2_19	(D) E-cigarette or vaping device use - used/never used	Derived
ECigStrgG7_19	(D) Strength of e-cigarette cartridge typically use (includes other write in answers >0mg and <=3mg)	Derived

Adult Current Smokers

Variable	Description	Source
FIRSTCIG	How soon after waking does respondent smoke (Capi)	Indiv
CFirstCig	How soon after waking does respondent smoke (CASI)	CASI
CIGDYAL_19	(D) Number of cigarettes smoke a day - inc. non-smokers	Derived
CIGWDAY_19	Number of cigarettes smoke on weekday (capi+casi)	Indiv/CASI
CIGWEND_19	Number of cigarettes smoke on weekend day (capi+casi)	Indiv/CASI
CIGTYP_19	Type of cigarette smoke (capi+casi)	Indiv/CASI
ROLLWK_19	Number of cigarettes hand rolled on weekday (capi+casi)	Indiv/CASI
ROLLWE_19	Number of cigarettes hand rolled on weekend day (capi+casi)	Indiv/CASI
SMOKPL1	Smoked in the last 7 days: At home, indoors (Capi)	Indiv
SMOKPL2	Smoked in the last 7 days: At home, outside e.g. in garden or on doorstep (Capi)	Indiv
SMOKPL3	Smoked in the last 7 days: Outside in the street or out and about (Capi)	Indiv
SMOKPL4	Smoked in the last 7 days: Outside at work (Capi)	Indiv
SMOKPL5	Smoked in the last 7 days: Outside at other people's homes (Capi)	Indiv
SMOKPL6	Smoked in the last 7 days: Outside pubs, bars, restaurants or shops (Capi)	Indiv
SMOKPL7	Smoked in the last 7 days: In public parks (Capi)	Indiv
SMOKPL8	Smoked in the last 7 days: Inside other people's homes (Capi)	Indiv
SMOKPL9	Smoked in the last 7 days: While travelling by car (Capi)	Indiv
SMOKPL10	Smoked in the last 7 days: Inside other places (Capi)	Indiv
CSmokPl1	Smoked in the last 7 days: At home, indoors (CASI)	CASI
CSmokPl2	Smoked in the last 7 days: At home, outside, e.g. in garden or on doorstep (CASI)	CASI
CSmokPl3	Smoked in the last 7 days: Outside in the street, or out and about (CASI)	CASI
CSmokPl4	Smoked in the last 7 days: Outside at work (CASI)	CASI
CSmokPl5	Smoked in the last 7 days: Outside at other people's homes (CASI)	CASI
CSmokPl6	Smoked in the last 7 days: Outside pubs, bars, restaurants or shops (CASI)	CASI
CSmokPl7	Smoked in the last 7 days: In public parks (CASI)	CASI
CSmokPl8	Smoked in the last 7 days: Inside other people's homes (CASI)	CASI
CSmokPl9	Smoked in the last 7 days: While travelling by car (CASI)	CASI
CSmokPl10	Smoked in the last 7 days: Inside other places (CASI)	CASI
CSmokPl98	Smoked in the last 7 days: Don't know (CASI)	CASI
SMNODAY	Ease of going without cigarettes for a day (Capi)	Indiv
CSmNoDay	Ease of going without cigarettes for a day (CASI)	CASI
givupsk_19	Like to give up smoking (capi+casi)	Indiv/CASI
whnstp_19	Intention to stop smoking (capi+casi)	Indiv/CASI
SerQt_19	Ever made a serious attempt to stop smoking completely (capi+casi)	Indiv/CASI
QuitNum_19	Number of attempts made to stop smoking in the last 12 months (capi+casi)	Indiv/CASI

WhyGUp1_19	Main reasons for wanting to give up smoking: Better for health (capi+casi)	Indiv/CASI
WhyGUp2_19	Main reasons for wanting to give up smoking: Financial reasons/can't afford it (capi+casi)	Indiv/CASI
WhyGUp3_19	Main reasons for wanting to give up smoking: Family/friends want me to stop (capi+casi)	Indiv/CASI
WhyGUp4_19	Main reasons for wanting to give up smoking: Worried about the effect on other people (capi+casi)	Indiv/CASI
WhyGUp5_19	Main reasons for wanting to give up smoking: Something else (capi+casi)	Indiv/CASI
CUTDWN	Currently trying to cut down on smoking but not trying to stop (Capi)	Indiv
CCutDwn	Currently trying to cut down on smoking but not trying to stop (CASI)	CASI
smkcyr_19	Number of cigarettes smoked compared to a year ago (capi+casi)	Indiv/CASI
Ecigst_19	Age first started to use e-cigarettes or vaping devices (capi+casi)	Indiv/CASI
ECigFreq_19	How often used e-cigarette or vaping device in last month (capi+casi)	Indiv/CASI
ECigFst_19	How soon after waking usually have first e-cigarette or vape of the day (capi+casi)	Indiv/CASI
ECigWe_19	How many times use e-cigarette or vaping device on typical weekday (capi+casi)	Indiv/CASI
ECigtiWe_19	Total time spend using e-cigarette or vaping device on typical weekday (capi+casi)	Indiv/CASI
ECigWkd_19	How many times use e-cigarette or vaping device on typical Saturday or Sunday (capi+casi)	Indiv/CASI
ECigtiWkd_19	Total time spend using e-cigarette or vaping device on typical Saturday or Sunday (capi+casi)	Indiv/CASI
Ecigtyp_19	Type of e-cigarette or vaping device mainly use (capi+casi)	Indiv/CASI
ECigStrg_19	Strength of e-cigarette cartridge typically use (capi+casi)	Indiv/CASI
ECigStp_19	Would like to give up using e-cigarettes or vaping altogether (capi+casi)	Indiv/CASI
VapePl1	Used e-cigarette or vaping device in the last 7 days ending yesterday: At my home, indoors (Capi)	Indiv
VapePl2	Used e-cigarette or vaping device in the last 7 days ending yesterday: At my home, outside e.g. in garden or on doorstep (Capi)	Indiv
VapePl3	Used e-cigarette or vaping device in the last 7 days ending yesterday: Outside in the street or out and about (Capi)	Indiv
VapePl4	Used e-cigarette or vaping device in the last 7 days ending yesterday: Outside at work (Capi)	Indiv
VapePl5	Used e-cigarette or vaping device in the last 7 days ending yesterday: Outside at other people's homes (Capi)	Indiv
VapePl6	Used e-cigarette or vaping device in the last 7 days ending yesterday: Outside pubs, bars, restaurants or shops (Capi)	Indiv
VapePl7	Used e-cigarette or vaping device in the last 7 days ending yesterday: In public parks (Capi)	Indiv
VapePl8	Used e-cigarette or vaping device in the last 7 days ending yesterday: Inside other people's homes (Capi)	Indiv
VapePl9	Used e-cigarette or vaping device in the last 7 days ending yesterday: While travelling by car (Capi)	Indiv
VapePl10	Used e-cigarette or vaping device in the last 7 days ending yesterday: Inside other places (Capi)	Indiv
CVapePl1	Used E-cigarette or vaping device in last 7 days: At home, indoors (CASI)	CASI
CVapePl2	Used E-cigarette or vaping device in last 7 days: At home, outside, e.g. in garden or on doorstep (CASI)	CASI
CVapePl3	Used E-cigarette or vaping device in last 7 days: Outside in the street, or out and about (CASI)	CASI
CVapePl4	Used E-cigarette or vaping device in last 7 days: Outside at work (CASI)	CASI
CVapePl5	Used E-cigarette or vaping device in last 7 days: Outside at other people's homes (CASI)	CASI
CVapePl6	Used E-cigarette or vaping device in last 7 days: Outside pubs, bars, restaurants or shops (CASI)	CASI
CVapePl7	Used E-cigarette or vaping device in last 7 days: In public parks (CASI)	CASI
CVapePl8	Used E-cigarette or vaping device in last 7 days: Inside other people's homes (CASI)	CASI
CVapePl9	Used E-cigarette or vaping device in last 7 days: While travelling by car (CASI)	CASI
CVapePl10	Used E-cigarette or vaping device in last 7 days: Inside other places (CASI)	CASI
CVapePl98	Used E-cigarette or vaping device in last 7 days: Don't know (CASI)	CASI
WhchFrst19	Started smoking cigarettes before or after started using e-cigarettes or vaping devices (Capi)	Indiv
CWhchFrst	Regularly smoking tobacco cigarettes before or after first trying e-cigarettes/vaping devices (CASI)	CASI
VapeAffect	Compared to before started using e-cigarettes or vaping devices, currently smoke fewer, the same number, or more cigarettes (Capi)	Indiv
CVapeAffect	Compared to before started using e-cigarettes or vaping devices, smoke fewer, the same number, or more cigarettes (CASI)	CASI

Adult Ex-Smokers

Variable	Description	Source
QuitReas1_19	Decided to give up smoking: For health reasons (capi+casi)	Indiv/CASI
QuitReas2_19	Decided to give up smoking: Pregnancy (capi+casi)	Indiv/CASI
QuitReas3_19	Decided to give up smoking: Financial reasons/couldn't afford it (capi+casi)	Indiv/CASI
QuitReas4_19	Decided to give up smoking: Family/friends wanted me to stop (capi+casi)	Indiv/CASI
QuitReas5_19	Decided to give up smoking: Worried about effect on other people (capi+casi)	Indiv/CASI
QuitReas6_19	Decided to give up smoking: Own motivation (capi+casi)	Indiv/CASI
QuitReas7_19	Decided to give up smoking: Something else (capi+casi)	Indiv/CASI
QuitReas8_19	Decided to give up smoking: Cannot remember (capi+casi)	Indiv/CASI
QuitReas9_19	Decided to give up smoking: Haven't stopped smoking (capi+casi)	Indiv/CASI
CIGREG_19	How frequently used to smoke (capi+casi)	Indiv/CASI
ENDSMOKG_19	(D) How long ago stopped smoking cigarettes (grouped years) (capi+casi)	Derived[1]
SMOKYRSG_19	(D) Number of years smoked for (grouped) (capi+casi)	Derived[1]

Nicotine replacement

Variable	Description	Source
NRNow1_19	Nicotine replacement product currently used: Nicotine chewing gum (capi+casi)	Indiv/CASI
NRNow2_19	Nicotine replacement product currently used: Nicotine lozenges (capi+casi)	Indiv/CASI
NRNow3_19	Nicotine replacement product currently used: Nicotine patch (capi+casi)	Indiv/CASI
NRNow4_19	Nicotine replacement product currently used: Nicotine inhaler (capi+casi)	Indiv/CASI
NRNow5_19	Nicotine replacement product currently used: Nicotine mouth spray (capi+casi)	Indiv/CASI
NRNow6_19	Nicotine replacement product currently used: Nicotine nasal spray (capi+casi)	Indiv/CASI
NRNow7_19	Nicotine replacement product currently used: Another nicotine product (capi+casi)	Indiv/CASI
NRNow8_19	Nicotine replacement product currently used: Electronic cigarette or vaping device (capi+casi)	Indiv/CASI
NRNow9_19	Nicotine replacement product currently used: None of these (capi+casi)	Indiv/CASI
NREvr1_19	Nicotine replacement product used in the past but not now: Nicotine chewing gum (capi+casi)	Indiv/CASI
NREvr2_19	Nicotine replacement product used in the past but not now: Nicotine lozenges (capi+casi)	Indiv/CASI
NREvr3_19	Nicotine replacement product used in the past but not now: Nicotine patch (capi+casi)	Indiv/CASI
NREvr4_19	Nicotine replacement product used in the past but not now: Nicotine inhaler (capi+casi)	Indiv/CASI
NREvr5_19	Nicotine replacement product used in the past but not now: Nicotine mouth spray (capi+casi)	Indiv/CASI
NREvr6_19	Nicotine replacement product used in the past but not now: Nicotine nasal spray (capi+casi)	Indiv/CASI
NREvr7_19	Nicotine replacement product used in the past but not now: Another nicotine product (capi+casi)	Indiv/CASI
NREvr8_19	Nicotine replacement product used in the past but not now: Electronic cigarette or vaping device (capi+casi)	Indiv/CASI
NREvr9_19	Nicotine replacement product used in the past but not now: None of these (capi+casi)	Indiv/CASI
HlpQuit1_19	Nicotine replacement product used to help stop smoking: Nicotine chewing gum (capi+casi)	Indiv/CASI
HlpQuit2_19	Nicotine replacement product used to help stop smoking: Nicotine lozenges (capi+casi)	Indiv/CASI
HlpQuit3_19	Nicotine replacement product used to help stop smoking: Nicotine patch (capi+casi)	Indiv/CASI
HlpQuit4_19	Nicotine replacement product used to help stop smoking: Nicotine inhaler (capi+casi)	Indiv/CASI
HlpQuit5_19	Nicotine replacement product used to help stop smoking: Nicotine mouth spray (capi+casi)	Indiv/CASI
HlpQuit6_19	Nicotine replacement product used to help stop smoking: Nicotine nasal spray (capi+casi)	Indiv/CASI
HlpQuit7_19	Nicotine replacement product used to help stop smoking: Another nicotine product (capi+casi)	Indiv/CASI
HlpQuit8_19	Nicotine replacement product used to help stop smoking: Electronic cigarette or vaping device (capi+casi)	Indiv/CASI
HlpQuit9_19	Nicotine replacement product used to help stop smoking: None of these (capi+casi)	Indiv/CASI
NRCut1_19	Nicotine replacement product currently used to cut down the amount smoked: Nicotine chewing gum (capi+casi)	Indiv/CASI
NRCut2_19	Nicotine replacement product currently used to cut down the amount smoked: Nicotine lozenges (capi+casi)	Indiv/CASI
NRCut3_19	Nicotine replacement product currently used to cut down the amount smoked: Nicotine patch (capi+casi)	Indiv/CASI
NRCut4_19	Nicotine replacement product currently used to cut down the amount smoked: Nicotine inhaler (capi+casi)	Indiv/CASI
NRCut5_19	Nicotine replacement product currently used to cut down the amount smoked: Nicotine mouth spray (capi+casi)	Indiv/CASI
NRCut6_19	Nicotine replacement product currently used to cut down the amount smoked: Nicotine nasal spray (capi+casi)	Indiv/CASI
NRCut7_19	Nicotine replacement product currently used to cut down the amount smoked: Another nicotine product (capi+casi)	Indiv/CASI
NRCut8_19	Nicotine replacement product currently used to cut down the amount smoked: Electronic cigarette or vaping device (capi+casi)	Indiv/CASI

[1] Derivation not included in derived variable specification.

NRCut9_19	Nicotine replacement product currently used to cut down the amount smoked: None of these (capi+casi)	Indiv/CASI
NRBan1_19	Nicotine replacement product used in situations where not allowed to smoke: Nicotine chewing gum (capi+casi)	Indiv/CASI
NRBan2_19	Nicotine replacement product used in situations where not allowed to smoke: Nicotine lozenges (capi+casi)	Indiv/CASI
NRBan3_19	Nicotine replacement product used in situations where not allowed to smoke: Nicotine patch (capi+casi)	Indiv/CASI
NRBan4_19	Nicotine replacement product used in situations where not allowed to smoke: Nicotine inhaler (capi+casi)	Indiv/CASI
NRBan5_19	Nicotine replacement product used in situations where not allowed to smoke: Nicotine mouth spray (capi+casi)	Indiv/CASI
NRBan6_19	Nicotine replacement product used in situations where not allowed to smoke: Nicotine nasal spray (capi+casi)	Indiv/CASI
NRBan7_19	Nicotine replacement product used in situations where not allowed to smoke: Another nicotine product (capi+casi)	Indiv/CASI
NRBan8_19	Nicotine replacement product used in situations where not allowed to smoke: Electronic cigarette or vaping device (capi+casi)	Indiv/CASI
NRBan9_19	Nicotine replacement product used in situations where not allowed to smoke: None of these (capi+casi)	Indiv/CASI
NRQuit1_19	Nicotine replacement products used to help stop smoking during serious quit attempt: Nicotine chewing gum (capi+casi)	Indiv/CASI
NRQuit2_19	Nicotine replacement products used to help stop smoking during serious quit attempt: Nicotine lozenges (capi+casi)	Indiv/CASI
NRQuit3_19	Nicotine replacement products used to help stop smoking during serious quit attempt: Nicotine patch (capi+casi)	Indiv/CASI
NRQuit4_19	Nicotine replacement products used to help stop smoking during serious quit attempt: Nicotine inhaler (capi+casi)	Indiv/CASI
NRQuit5_19	Nicotine replacement products used to help stop smoking during serious quit attempt: Nicotine mouth spray (capi+casi)	Indiv/CASI
NRQuit6_19	Nicotine replacement products used to help stop smoking during serious quit attempt: Nicotine nasal spray (capi+casi)	Indiv/CASI
NRQuit7_19	Nicotine replacement products used to help stop smoking during serious quit attempt: Another nicotine product (capi+casi)	Indiv/CASI
NRQuit8_19	Nicotine replacement products used to help stop smoking during serious quit attempt: Electronic cigarette or vaping device (capi+casi)	Indiv/CASI
NRQuit9_19	Nicotine replacement products used to help stop smoking during serious quit attempt: None of these (capi+casi)	Indiv/CASI
NDPNOW_19	(D) Current use of E-cigarettes or vaping devices and/or NDPs, 16+yrs	Derived
NDPEVRC_19	(D) Ever or current use of E-cigarettes or vaping devices and/or NDPs, 16+yrs	Derived

Children General

Variable	Description	Source
EXPSMOK2_19	(D) Children's self reported exposure to other people's smoke, 0-15yrs, 4 groups	Derived
CHEXPSM	Whether child carer smokes (0-12s) (Capi)	Indiv
ADULTSMOKE	(D) Children live with at least one adult smoker, smokes at home on most days, binary (for children aged 4-15)	Derived
SMOKE415	(D) Self-reported child smokers aged 4-15 yrs, (4-7yrs assumed non-smoker)	Derived

Children 8-15

Variable	Description	Source
ANRSM201	Often near people who smoke: At home (8-15s) (SC)	SC 8-15
ANRSM202	Often near people who smoke: In other people's homes (8-15s) (SC)	SC 8-15
ANRSM203	Often near people who smoke: In a car (8-15s) (SC)	SC 8-15
ANRSM204	Often near people who smoke: In the street (8-15s) (SC)	SC 8-15
ANRSM205	Often near people who smoke: Outdoor areas of pubs/cafes/restaurants (8-15s) (SC)	SC 8-15
ANRSM206	Often near people who smoke: Park/playing fields (8-15s) (SC)	SC 8-15
ANRSM207	Often near people who smoke: Public places unspecified (8-15s) (SC)	SC 8-15
ANRSM208	Often near people who smoke: School (8-15s) (SC)	SC 8-15
ANRSM209	Often near people who smoke: In other places (8-15s) (SC)	SC 8-15
ANRSM297	Often near people who smoke: No, none of these (8-15s) (SC)	SC 8-15
ASMKBTHR	Does this bother you (8-15s) (SC)	SC 8-15
KCIGREGG	(D) Frequency of cigarette smoking (8-15s) (grouped)	Derived
KCIGREGD	(D) Cigarette smoking status (8-15 year olds)	Derived
KCIGEVR	Whether ever smoked cigarettes (8-15s) (SC)	SC 8-15

KCIGAGE	Age first tried a cigarette (8-15s) (SC)	SC 8-15
KCIGREG	Frequency and amount smoked (8-15s) (SC)	SC 8-15
KCIGWEEK	Whether smoked in previous week (8-15s) (SC)	SC 8-15
KCIGNUM	Number of cigarettes smoked last week (8-15s) (SC)	SC 8-15
KVapeHr	Heard of e-cigarettes or vaping devices (8-15s) (SC)	SC 8-15
KVapeReg	Ever used e-cigarettes or vaping devices (8-15s) (SC)	SC 8-15
WhFrSC19	Started smoking cigarettes before or after started using e-cigarettes or vaping devices (8-15s) (SC)	SC 8-15
KECigEvD_19	(D) Ever used an electronic cigarette or vaping device (ever/never) - 8-15s	Derived

Children 13-15

Variable	Description	Source
ANRNOW_1	Nicotine replacement product currently used: Nicotine chewing gum (13-15s) (SC)	SC 13-15
ANRNOW_2	Nicotine replacement product currently used: Nicotine lozenges (13-15s) (SC)	SC 13-15
ANRNOW_3	Nicotine replacement product currently used: Nicotine patch (13-15s) (SC)	SC 13-15
ANRNOW_4	Nicotine replacement product currently used: Nicotine inhaler (13-15s) (SC)	SC 13-15
ANRNOW_5	Nicotine replacement product currently used: Nicotine mouth spray (13-15s) (SC)	SC 13-15
ANRNOW_6	Nicotine replacement product currently used: Nicotine nasal spray (13-15s) (SC)	SC 13-15
ANRNOW_7	Nicotine replacement product currently used: Another nicotine replacement product (13-15s) (SC)	SC 13-15
ANRNOW_8	Nicotine replacement product currently used: Electronic cigarette or vaping device (13-15s) (SC)	SC 13-15
ANRNOW_9	Nicotine replacement product currently used: None of these (13-15s) (SC)	SC 13-15
ANREVR_1	Nicotine replacement product used in the past but not now: Nicotine chewing gum (13-15s) (SC)	SC 13-15
ANREVR_2	Nicotine replacement product used in the past but not now: Nicotine lozenges (13-15s) (SC)	SC 13-15
ANREVR_3	Nicotine replacement product used in the past but not now: Nicotine patch (13-15s) (SC)	SC 13-15
ANREVR_4	Nicotine replacement product used in the past but not now: Nicotine inhaler (13-15s) (SC)	SC 13-15
ANREVR_5	Nicotine replacement product used in the past but not now: Nicotine mouth spray (13-15s) (SC)	SC 13-15
ANREVR_6	Nicotine replacement product used in the past but not now: Nicotine nasal spray (13-15s) (SC)	SC 13-15
ANREVR_7	Nicotine replacement product used in the past but not now: Another nicotine replacement product (13-15s) (SC)	SC 13-15
ANREVR_8	Nicotine replacement product used in the past but not now: Electronic cigarette or vaping device (13-15s) (SC)	SC 13-15
ANREVR_9	Nicotine replacement product used in the past but not now: None of these (13-15s) (SC)	SC 13-15
CURRENTNDPS	(D) Current use of nicotine delivery product(s) (NDPs) (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	Used any nicotine products in the last 7 days: Cigarettes	Nurse
SMOK7DAY2	Used any nicotine products in the last 7 days: Cigars	Nurse
SMOK7DAY3	Used any nicotine products in the last 7 days: Pipe	Nurse
SMOK7DAY4	Used any nicotine products in the last 7 days: E-cigarette or vaping device	Nurse
SMOK7DAY5	Used any nicotine products in the last 7 days: Hookah/Shisha	Nurse
SMOK7DAY6	Used any nicotine products in the last 7 days: Smokeless tobacco	Nurse
SMOK7DAY7	Used any nicotine products in the last 7 days: None of these	Nurse
LASTSMOK	How long since last smoked or used any nicotine products	Nurse
SMOKEVRN	Ever regularly smoked a cigarette, a cigar or a pipe	Nurse
NR7DAY_1	NRT used in last 7 days: Nicotine chewing gum	Nurse
NR7DAY_2	NRT used in last 7 days: Nicotine lozenges/mini lozenges	Nurse
NR7DAY_3	NRT used in last 7 days: Nicotine patches	Nurse
NR7DAY_4	NRT used in last 7 days: Nicotine inhaler/inhalator	Nurse
NR7DAY_5	NRT used in last 7 days: Nicotine mouth spray	Nurse

NR7DAY_6	NRT used in last 7 days: Nicotine nasal spray	Nurse
NR7DAY_7	NRT used in last 7 days: Another nicotine product	Nurse
NR7DAY_8	NRT used in last 7 days: Electronic cigarette or vaping device	Nurse
NR7DAY_9	NRT used in last 7 days: None	Nurse
NICUSE7D	(D) Used nicotine products in last 7 days, 16+ yrs (nurse)	Derived

Cotinine

Variable	Description	Source
SALINTR1	Consent to take saliva sample	Nurse
SALOBT1	Whether saliva sample obtained	Nurse
SALHOW	Method used to obtain saliva sample	Nurse
SALNOBT3	Sample not obtained: Not able to produce any saliva	Nurse
SALNOBT4	Sample not obtained: Other	Nurse
SALOUTC	Saliva sample outcome	Nurse
COTININE	Cotinine result	Lab
COTQUAL	Cotinine quality	Lab
COTVAL	(D) Valid Cotinine (saliva) - 4+ year olds	Derived
cot15val	(D) Valid Cotinine (saliva): 0<15,15+	Derived
Cot12ValKids	(D) Cotinine below/above 12 ng/ml (children 4-15) excl current use of NDPs	Derived
DetectCot12ch	(D) Detectable cotinine for children, excl current NDPs and smokers	Derived
SHSOutC	(D) Detectable cotinine for children (3 groups), excl current NDPs and smokers	Derived
CotVal2	(D) Valid Cotinine (16+yrs, excl users of nicotine delivery products(NDP)	Derived
Cot12Val2	(D) Binary of valid cotinine levels at 12+ ng/ml (16+yrs, excl users of NDP)	Derived
Cot12Val3	(D) Binary of valid cotinine levels at 12+ ng/ml (16+, incl users of NDP)	Derived
UnDetectCot	(D) Binary of undetectable cotinine, <0.1ng/ml (16+yrs, excl users NDP)	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	Number of activities respondent has received help with in the last month	Indiv

HLPNUMB	Number of activities respondent has received help with in the last month, excluding shopping for food/housework/paperwork	Indiv
CHECKA2	Whether received help because of health, disability or age problems	Indiv
RECHLPI	(D) Did you receive help: Stairs (TASK I)	Derived
RECHLPH	(D) Did you receive help: Indoors (TASK H)	Derived
RECHLPA	(D) Did you receive help: Bed (TASK A)	Derived
RECHLPC	(D) Did you receive help: Shower (TASK C)	Derived
RECHLPD	(D) Did you receive help: Dress (TASK D)	Derived
RECHLPB	(D) Did you receive help: Wash (TASK B)	Derived
RECHLPE	(D) Did you receive help: Toilet (TASK E)	Derived
RECHLPG	(D) Did you receive help: Medicine (TASK G)	Derived
RECHLPF	(D) Did you receive help: Eat (TASK F)	Derived
RECHLPJ	(D) Did you receive help: House (TASK J)	Derived
RECHLPK	(D) Did you receive help: Shop (TASK K)	Derived
RECHLPL	(D) Did you receive help: Housework (TASK L)	Derived
RECHLPM	(D) Did you receive help: Paperwork (TASK M)	Derived
RECHELIBI	(D) Received help: Stairs (binary) (TASK I)	Derived
RECHELHBI	(D) Received help: Indoors (binary) (TASK H)	Derived
RECHELABI	(D) Received help: Bed (binary) (TASK A)	Derived
RECHELCBI	(D) Received help: Shower (binary) (TASK C)	Derived
RECHELDBI	(D) Received help: Dress (binary) (TASK D)	Derived
RECHELBBI	(D) Received help: Wash (binary) (TASK B)	Derived
RECHELEBI	(D) Received help: Toilet (binary) (TASK E)	Derived
RECHELGBI	(D) Received help: Medicine (binary) (TASK G)	Derived
RECHELFBI	(D) Received help: Eat (binary) (TASK F)	Derived
RECHELJBI	(D) Received help: House (binary) (TASK J)	Derived
RECHELKBI	(D) Received help: Shop (binary) (TASK K)	Derived
RECHELLBI	(D) Received help: Housework (binary) (TASK L)	Derived
RECHELMBI	(D) Received help: Paperwork (binary) (TASK M)	Derived
NDHLPI	(D) Need help (binary): Stairs (TASK I)	Derived
NDHLPH	(D) Need help (binary): Indoors (TASK H)	Derived
NDHLPA	(D) Need help (binary): Bed (TASK A)	Derived
NDHLPC	(D) Need help (binary): Shower (TASK C)	Derived
NDHLPD	(D) Need help (binary): Dress (TASK D)	Derived
NDHLPB	(D) Need help (binary): Wash (TASK B)	Derived
NDHLPE	(D) Need help (binary): Toilet (TASK E)	Derived
NDHLPG	(D) Need help (binary): Medicine (TASK G)	Derived
NDHLPF	(D) Need help (binary): Eat (TASK F)	Derived
NDHLPJ	(D) Need help (binary): House (TASK J)	Derived
NDHLPK	(D) Need help (binary): Shop (TASK K)	Derived
NDHLPL	(D) Need help (binary): Housework (TASK L)	Derived
NDHLPM	(D) Need help (binary): Paperwork (TASK M)	Derived
ANYADL	(D) Needed help with any personal activities (ADLs)	Derived
ANYEXSH	(D) Needed help with any personal activities (ADLs excl bath or shower)	Derived
ANYEXSH2	(D) Needed help with any personal activities (ADLs excl bath or shower, toilet, indoors & stairs)	Derived
INDOORADL	(D) Needed help with any indoor activities (ADLs: Getting around indoors, getting up and down stairs)	Derived
ANYIADL	(D) Needed help with any instrumental activities (IADLs: getting out of house, food shopping, routine housework, doing paperwork/bills)	Derived
HELPADL	(D) Received help for any personal activities (ADLs)	Derived
HELPEXSH	(D) Received help for any personal activities (ADLs excl bath or shower)	Derived
HELPEXSH2	(D) Received help for any personal activities (ADLs excl bath or shower, toilet, indoors & stairs)	Derived
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
HlpTasks3	(D) Number of ADLs or IADLs for which help was needed, 3 groups	Derived
UNMETI	(D) Unmet need: Stairs (TASK I)	Derived
UNMETH	(D) Unmet need: Indoors (TASK H)	Derived
UNMETA	(D) Unmet need: Bed (TASK A)	Derived
UNMETC	(D) Unmet need: Shower (TASK C)	Derived
UNMETD	(D) Unmet need: Dress (TASK D)	Derived
UNMETB	(D) Unmet need: Wash (TASK B)	Derived
UNMETE	(D) Unmet need: Toilet (TASK E)	Derived
UNMETG	(D) Unmet need: Medicine (TASK G)	Derived
UNMETF	(D) Unmet need: Eat (TASK F)	Derived
UNMETJ	(D) Unmet need: House (TASK J)	Derived
UNMETK	(D) Unmet need: Shop (TASK K)	Derived
UNMETL	(D) Unmet need: Housework (TASK L)	Derived

UNMETM	(D) Unmet need: Paperwork/Bills (TASK M)	Derived
UNADL	(D) Unmet need for any personal activities (ADLs)	Derived
UNADL2	(D) Whether any unmet need for any personal activities (ADLs)	Derived
UNIADL	(D) Unmet need for any instrumental activities (IADLs)	Derived
UNIADL2	(D) Whether any unmet need for any instrumental activities (IADLs)	Derived
UnIADL3	(D) Whether any unmet ADL and/or IADL needs	Derived
RECHELP	(D) Received help with ADLs/IADLs in the last month	Derived
ProvHlpD	(D) Who provided help with ADLs or IADLs in the last month	Derived

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	Indiv
HELPN23	Formal help provided: Occupational Therapist/ physiotherapist	Indiv
HELPN24	Formal help provided: Voluntary helper	Indiv
HELPN25	Formal help provided: Warden/Sheltered housing	Indiv
HELPN26	Formal help provided: Cleaner	Indiv
HELPN27	Formal help provided: Council's handyman	Indiv
HELPN28	Formal help provided: Other - please specify	Indiv
HELPN29	Formal help provided: None of these	Indiv
HLPFORM01	Formal help for bath: Home care worker/home help	Indiv
HLPFORM02	Formal help for bath: A member of the reablement team	Indiv
HLPFORM03	Formal help for bath: Occupational Therapist/physiotherapist	Indiv
HLPFORM04	Formal help for bath: Voluntary helper	Indiv
HLPFORM05	Formal help for bath: Warden/Sheltered housing	Indiv
HLPFORM06	Formal help for bath: Cleaner	Indiv
HLPFORM07	Formal help for bath: Council's handyman	Indiv
HLPFORM08	Formal help for bath: Other	Indiv
HLPFORM09	Formal help for bath: None of the above	Indiv
HLPFORM10	Formal help for basic indoor tasks: Home care worker/home help	Indiv
HLPFORM11	Formal help for basic indoor tasks: A member of the reablement team	Indiv
HLPFORM12	Formal help for basic indoor tasks: Occupational Therapist/physiotherapist	Indiv
HLPFORM13	Formal help for basic indoor tasks: Voluntary helper	Indiv
HLPFORM14	Formal help for basic indoor tasks: Warden/Sheltered housing	Indiv
HLPFORM15	Formal help for basic indoor tasks: Cleaner	Indiv
HLPFORM16	Formal help for basic indoor tasks: Council's handyman	Indiv
HLPFORM17	Formal help for basic indoor tasks: Other	Indiv
HLPFORM18	Formal help for basic indoor tasks: None of the above	Indiv
HLPFORM19	Formal help for outdoor tasks & housework: Home care worker/home help	Indiv
HLPFORM20	Formal help for outdoor tasks & housework: A member of the reablement team	Indiv
HLPFORM21	Formal help for outdoor tasks & housework: Occupational Therapist/physiotherapist	Indiv
HLPFORM22	Formal help for outdoor tasks & housework: Voluntary helper	Indiv
HLPFORM23	Formal help for outdoor tasks & housework: Warden/Sheltered housing	Indiv
HLPFORM24	Formal help for outdoor tasks & housework: Cleaner	Indiv
HLPFORM25	Formal help for outdoor tasks & housework: Council's handyman	Indiv
HLPFORM26	Formal help for outdoor tasks & housework: Other	Indiv
HLPFORM27	Formal help for outdoor tasks & housework: None of the above	Indiv
DHELPFOHC	(D) Home care worker helped with ADLs (tasks A-I)	Derived
DHELPFOOT	(D) Other formal helper helped with ADLs (tasks A-I)	Derived
DHELPFONO	(D) No formal helpers helped with ADLs (tasks A-I)	Derived
DANYFO	(D) Any formal helper helped with ADL tasks (A-I)	Derived
DHELPFOHCI	(D) Home care worker helped with IADLs (tasks J-M)	Derived
DHELPFOOTI	(D) Other formal helper helped with IADLs (tasks J-M)	Derived
DHELPFONOI	(D) No formal helpers helped with IADLs (tasks J-M)	Derived
DANYFOI	(D) Any formal helper helped with IADL tasks (J-M)	Derived

Informal help

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

HELPN07	Informal help provided: Mother/father	Indiv
HELPN08	Informal help provided: Other family member	Indiv
HELPN09	Informal help provided: Friend	Indiv
HELPN10	Informal help provided: Neighbour	Indiv
HELPN11	Informal help provided: None of these	Indiv
HLPINF01	Informal help for bath: Husband/wife/partner	Indiv
HLPINF02	Informal help for bath: Son	Indiv
HLPINF03	Informal help for bath: Daughter	Indiv
HLPINF04	Informal help for bath: Grandchild	Indiv
HLPINF05	Informal help for bath: Brother/sister	Indiv
HLPINF06	Informal help for bath: Niece/nephew	Indiv
HLPINF07	Informal help for bath: Mother/father	Indiv
HLPINF08	Informal help for bath: Other family member	Indiv
HLPINF09	Informal help for bath: Friend	Indiv
HLPINF10	Informal help for bath: Neighbour	Indiv
HLPINF11	Informal help for bath: None of the above	Indiv
HLPINF12	Informal help for basic indoor tasks: Husband/wife/partner	Indiv
HLPINF13	Informal help for basic indoor tasks: Son	Indiv
HLPINF14	Informal help for basic indoor tasks: Daughter	Indiv
HLPINF15	Informal help for basic indoor tasks: Grandchild	Indiv
HLPINF16	Informal help for basic indoor tasks: Brother/sister	Indiv
HLPINF17	Informal help for basic indoor tasks: Niece/nephew	Indiv
HLPINF18	Informal help for basic indoor tasks: Mother/father	Indiv
HLPINF19	Informal help for basic indoor tasks: Other family member	Indiv
HLPINF20	Informal help for basic indoor tasks: Friend	Indiv
HLPINF21	Informal help for basic indoor tasks: Neighbour	Indiv
HLPINF22	Informal help for basic indoor tasks: None of the above	Indiv
HLPINF23	Informal help for outdoor tasks & housework: Husband/wife/partner	Indiv
HLPINF24	Informal help for outdoor tasks & housework: Son	Indiv
HLPINF25	Informal help for outdoor tasks & housework: Daughter	Indiv
HLPINF26	Informal help for outdoor tasks & housework: Grandchild	Indiv
HLPINF27	Informal help for outdoor tasks & housework: Brother/sister	Indiv
HLPINF28	Informal help for outdoor tasks & housework: Niece/nephew	Indiv
HLPINF29	Informal help for outdoor tasks & housework: Mother/father	Indiv
HLPINF30	Informal help for outdoor tasks & housework: Other family member	Indiv
HLPINF31	Informal help for outdoor tasks & housework: Friend	Indiv
HLPINF32	Informal help for outdoor tasks & housework: Neighbour	Indiv
HLPINF33	Informal help for outdoor tasks & housework: None of the above	Indiv
DHELPINSP	(D) Spouse/partner helped with ADLs (tasks A-I)	Derived
DHELPINSO	(D) Son helped with ADLs (tasks A-I)	Derived
DHELPINDA	(D) Daughter helped with ADLs (tasks A-I)	Derived
DHELPINFN	(D) Friend/Neighbour helped with ADLs (tasks A-I)	Derived
DHELPINOT	(D) Other member of the family helped with ADLs (tasks A-I)	Derived
DHELPINNO	(D) No informal helpers helped with ADLs (tasks A-I)	Derived
DANYINF	(D) Any 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) Any informal helper helped with IADLs (tasks J-M)	Derived
DADLTYP	(D) Who provided ADL help (informal/formal helpers, tasks A-I)	Derived
DIADLTYP	(D) Who provided IADL help (informal/formal helpers, tasks J-M)	Derived

Family helper information

Variable	Description	Source
HELPFAM	Spouse/partner: Person lives in household	Indiv
HELPFAM2	Son: Person lives in household	Indiv
HELPFAM3	2nd Son: Person lives in household	Indiv
HELPFAM4	3rd Son: Person lives in household	Indiv
HELPFAM5	Daughter: Person lives in household	Indiv
HELPFAM6	2nd Daughter: Person lives in household	Indiv
HELPFAM7	3rd Daughter: Person lives in household	Indiv
HELPFAM8	Grandchild: Person lives in household	Indiv
HELPFAM9	2nd Grandchild: Person lives in household	Indiv

Helpfa10	3rd Grandchild: Person lives in household	Indiv
HELPFA11	Brother/sister: Person lives in household	Indiv
Helpfa12	2nd Brother/sister: Person lives in household	Indiv
Helpfa13	3rd Brother/sister: Person lives in household	Indiv
HELPFA15	Niece/nephew: Person lives in household	Indiv
HELPFA16	2nd Niece/nephew: Person lives in household	Indiv
HELPFA20	Other family member: Person lives in household	Indiv
HELPFA21	Friend: Person lives in household	Indiv
HELPFA22	2nd Friend: Person lives in household	Indiv
Helpfa23	3rd Friend: Person lives in household	Indiv

Amount of time helped - formal

Variable	Description	Source
HRSFORM27	Hours of formal help received in last week: Home care worker/home help/personal assistant	Indiv
HRSFORM30	Hours of formal help received in last week: Member of the reablement/intermediate care staff team	Indiv
HRSFORM31	Hours of formal help received in last week: Occupational therapist/physiotherapist	Indiv
HRSFORM32	Hours of formal help received in last week: Voluntary helper	Indiv
HRSFORM33	Hours of formal help received in last week: Warden/sheltered housing manager	Indiv
HRSFORM34	Hours of formal help received in last week: Cleaner	Indiv
HRSFORM35	Hours of formal help received in last week: Council's handyman	Indiv
HRSFORM36	Hours of formal help received in last week: Other	Indiv
HlpHrsF27g9	Grouped hours of formal help received in last week (9 groups): Home care worker/home help/personal assistant	Indiv
HLPHRSF30G9	Grouped hours of formal help received in last week (9 groups): Member of the reablement/intermediate care staff team	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
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
HLPHRSI05G9	Grouped hours of informal help received in last week (9 groups): Daughter	Indiv
HLPHRSI08G9	Grouped hours of informal help received in last week (9 groups): Grandchild	Indiv
HLPHRSI11G9	Grouped hours of informal help received in last week (9 groups): brother/sister	Indiv
HLPHRSI15G9	Grouped hours of informal help received in last week (9 groups): Niece/nephew	Indiv
HLPHRSI20G9	Grouped hours of informal help received in last week (9 groups): Other family member	Indiv
HLPHRSI21G9	Grouped hours of informal help received in last week (9 groups): Friend	Indiv
HLPHRSI01G3	Grouped hours of informal help received in last week (3 groups): Husband/wife/partner	Indiv
HLPHRSI02G3	Grouped hours of informal help received in last week (3 groups): Son	Indiv
HLPHRSI05G3	Grouped hours of informal help received in last week (3 groups): Daughter	Indiv
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
HlpUsHrs05	Average hours of help in a usual week: Daughter	Indiv
HlpUsHrs08	Average hours of help in a usual week: Grandchild	Indiv
HlpUsHrs11	Average hours of help in a usual week: Brother/sister	Indiv
HlpUsHrs15	Average hours of help in a usual week: Niece/nephew	Indiv
HlpUsHrs20	Average hours of help in a usual week: Other family member	Indiv
HlpUsHrs21	Average hours of help in a usual week: Friend	Indiv
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
sohr6	(D) Grouped, hours of help provided in the last week by son who helped the most (6 groups, 50+)	Derived
sohr10	(D) Grouped, hours of help provided in the last week by son who helped the most (4 groups, 10+)	Derived

sohr20	(D) Grouped, hours of help provided in the last week by son who helped the most (4 groups, 20+)	Derived
DAhrs	(D) Grouped, hours of help provided in the last week by daughter who helped the most (9 groups)	Derived
DAhr6	(D) Grouped, hours of help provided in the last week by daughter who helped the most (6 groups, 50+)	Derived
DAhr10	(D) Grouped, hours of help provided in the last week by daughter who helped the most (4 groups, 10+)	Derived
DAhr20	(D) Grouped, hours of help provided in the last week by daughter who helped the most (4 groups, 20+)	Derived
Othrs	(D) Grouped, hours of help provided in the last week by other family member who helped the most (9 groups)	Derived
OtMost	(D) Other family member who provided most hours of care	Derived
othr6	(D) Grouped, hours of help provided in the last week by other family member who helped the most (6 groups, 50+)	Derived
othr10	(D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 10+)	Derived
othr20	(D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 20+)	Derived
FNhrs	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (9 groups)	Derived
FNhr6	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (6 groups, 50+)	Derived
FNhr10	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 10+)	Derived
FNhr20	(D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 20+)	Derived
HCHrs1	(D) Hours of help provided in the last week by home care worker who helped the most	Derived
HCHrs	(D) Grouped, hours of help provided in the last week by home care worker who helped the most (9 groups)	Derived
HCHr6	(D) Grouped, hours of help provided in the last week by home care worker who helped the most (6 groups, 50+)	Derived
HCHr10	(D) Grouped, hours of help provided in the last week by home care worker who helped the most (4 groups, 10+)	Derived
HCHr20	(D) Grouped, hours of help provided in the last week by home care worker who helped the most (4 groups, 20+)	Derived

Payment for care

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

Social Care Provision

Identifying care providers

Variable	Description	Source
PROVHLP	Provided help or support to anyone in the last month because they have long-term physical or mental ill-health, a disability or problems relating to old age	Indiv
CHECKHLP	Help/support given because of health/old age or help more generally	Indiv
HELPNO	Number of people provide this type of help and support to	Indiv
NUMCOLD	DV: number of older people cared for	Indiv
NUMCYNG	DV: number of younger people cared for	Indiv

People cared for

Variable	Description	Source
PRHHOLD	Person 1 provide help/ support to: lives in household	Indiv
AGEHLPg5	(D) Person 1 provide help/ support to: age (recoded)	Derived[1]
GENDHLP	Person 1 provide help/ support to: sex	Indiv
PRHHOLD2	Person 2 provide help/ support to: lives in household	Indiv
AGEHLP2g5	(D) Person 2 provide help/ support to: age (recoded)	Derived[1]
GENDHLP2	Person 2 provide help/ support to: sex	Indiv
PRHHOLD3	Person 3 provide help/ support to: lives in household	Indiv
AGEHLP3g5	(D) Person 3 provide help/ support to: age (recoded)	Derived[1]
GENDHLP3	Person 3 provide help/ support to: sex	Indiv
GAVEHLP	(D) Provided help - binary	Derived
HELPNUM	(D) Number provided help to - grouped	Derived
PrRelHWP	(D) Who is cared for: Husband/Wife/Partner	Derived
PrRelMoth	(D) Who is cared for: Mother (including mother-in-law)	Derived
PrRelFath	(D) Who is cared for: Father (including father-in-law)	Derived
PrRelSD	(D) Who is cared for: Son or daughter (including stepchildren, adopted children or children-in-law)	Derived
PrRelGrPa	(D) Who is cared for: Grandparent	Derived
PrRelGrCh	(D) Who is cared for: Grandchild (including great grandchildren)	Derived
PrRelBrSi	(D) Who is cared for: Brother or sister	Derived
PrRelOFam	(D) Who is cared for: Other family member	Derived
PrRelFr	(D) Who is cared for: Friend	Derived
PrRelNei	(D) Who is cared for: Neighbour	Derived
PrRelOther	(D) Who is cared for: Someone else	Derived
PrCareHHY	(D) Cares for someone in the same household	Derived
PrCareHHD	(D) Cares for someone in a different household	Derived

Time spent caring

Variable	Description	Source
PRHOURS	Person 1 provide help/ support to: number of hours provided help in the last week	Indiv
PRHOURSB	Person 1 provide help/ support to: grouped hours provided help in the last week	Indiv
PRUSHRS	Person 1 provide help/ support to: number of hours provided help in a usual week	Indiv
PRHOURS2	Person 2 provide help/ support to: number of hours provided help in the last week	Indiv
PRHOURS3	Person 2 provide help/ support to: grouped hours provided help in the last week	Indiv
PRUSHRS2	Person 2 provide help/ support to: number of hours provided help in a usual week	Indiv
PRHOURS4	Person 3 provide help/ support to: number of hours provided help in the last week	Indiv
PRHOURS5	Person 3 provide help/ support to: grouped hours provided help in the last week	Indiv
PRUSHRS3	Person 3 provide help/ support to: number of hours provided help in a usual week	Indiv
PRALLHOUR	Total time spent providing support or help to those aged 65+	Indiv
PRALLRNG	Approximate time spent providing support or help to those aged 65+	Indiv
GRPHRS4	(D) Grouped hours provided 20+ (for care recipient for whom most hours provided)	Derived
GRPHRS6	(D) Grouped hours provided (for care recipient for whom most hours provided)	Derived
GRPHRS10	(D) 10+ hours provided (for care recipient for whom most hours provided)	Derived
GRPHRS20	(D) 20+ hours provided (for care recipient for whom most hours provided)	Derived

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[1] Derivation not included in derived variable specification.

grphrs20g4	(D) Grouped hours provided 20+ with no help and less than 1 hour combined (for care recipient for whom most hours provided)	Derived
grphrs10g3	(D) Grouped hours provided 10+ with no help and less than 1 hour combined (for care recipient for whom most hours provided)	Derived
grphrs10g2	(D) Grouped hours provided 10+, 2 groups (for care recipient for whom most hours provided)	Derived
MOSTHRS	(D) Care recipient for most hours provided	Derived

Help provided

Variable	Description	Source
PRTASK1	Person 1 activities provided help or support with: Getting the person in and out of bed	Indiv
PRTASK2	Person 1 activities provided help or support with: Washing their face and hands	Indiv
PRTASK3	Person 1 activities provided help or support with: Having a bath or a shower	Indiv
PRTASK4	Person 1 activities provided help or support with: Dressing or undressing	Indiv
PRTASK5	Person 1 activities provided help or support with: Using the toilet	Indiv
PRTASK6	Person 1 activities provided help or support with: Eating (including cutting up food)	Indiv
PRTASK7	Person 1 activities provided help or support with: Taking the right amount of medicine at the right times	Indiv
PRTASK8	Person 1 activities provided help or support with: Getting around indoors	Indiv
PRTASK9	Person 1 activities provided help or support with: Getting up and down the stairs	Indiv
PRTASK10	Person 1 activities provided help or support with: Getting out of the house	Indiv
PRTASK11	Person 1 activities provided help or support with: Shopping for food	Indiv
PRTASK12	Person 1 activities provided help or support with: Doing routine housework or laundry	Indiv
PRTASK13	Person 1 activities provided help or support with: Doing paperwork or paying bills	Indiv
PRTASK14	Person 2 activities provided help or support with: Getting the person in and out of bed	Indiv
PRTASK15	Person 2 activities provided help or support with: Washing their face and hands	Indiv
PRTASK16	Person 2 activities provided help or support with: Having a bath or a shower	Indiv
PRTASK17	Person 2 activities provided help or support with: Dressing or undressing	Indiv
PRTASK18	Person 2 activities provided help or support with: Using the toilet	Indiv
PRTASK19	Person 2 activities provided help or support with: Eating (including cutting up food)	Indiv
PRTASK20	Person 2 activities provided help or support with: Taking the right amount of medicine at the right times	Indiv
PRTASK21	Person 2 activities provided help or support with: Getting around indoors	Indiv
PRTASK22	Person 2 activities provided help or support with: Getting up and down the stairs	Indiv
PRTASK23	Person 2 activities provided help or support with: Getting out of the house	Indiv
PRTASK24	Person 2 activities provided help or support with: Shopping for food	Indiv
PRTASK25	Person 2 activities provided help or support with: Doing routine housework or laundry	Indiv
PRTASK26	Person 2 activities provided help or support with: Doing paperwork or paying bills	Indiv
PRTASK27	Person 3 activities provided help or support with: Getting the person in and out of bed	Indiv
PRTASK28	Person 3 activities provided help or support with: Washing their face and hands	Indiv
PRTASK29	Person 3 activities provided help or support with: Having a bath or a shower	Indiv
PRTASK30	Person 3 activities provided help or support with: Dressing or undressing	Indiv
PRTASK31	Person 3 activities provided help or support with: Using the toilet	Indiv
PRTASK32	Person 3 activities provided help or support with: Eating (including cutting up food)	Indiv
PRTASK33	Person 3 activities provided help or support with: Taking the right amount of medicine at the right times	Indiv
PRTASK34	Person 3 activities provided help or support with: Getting around indoors	Indiv
PRTASK35	Person 3 activities provided help or support with: Getting up and down the stairs	Indiv
PRTASK36	Person 3 activities provided help or support with: Getting out of the house	Indiv
PRTASK37	Person 3 activities provided help or support with: Shopping for food	Indiv
PRTASK38	Person 3 activities provided help or support with: Doing routine housework or laundry	Indiv
PRTASK39	Person 3 activities provided help or support with: Doing paperwork or paying bills	Indiv
REC1PAY1	Payment for care person 1: Yes, this person pays me from their own income, pensions or savings	Indiv
REC1PAY2	Payment for care person 1: Yes, this person pays me from a personal budget or direct payment	Indiv
REC1PAY3	Payment for care person 1: Yes, I receive a carer's allowance	Indiv
REC1PAY4	Payment for care person 1: Yes, I receive money in another way	Indiv
REC1PAY5	Payment for care person 1: No, I receive no money for helping this person	Indiv
REC2PAY1	Payment for care person 2: Yes, this person pays me from their own income, pensions or savings	Indiv
REC2PAY2	Payment for care person 2: Yes, this person pays me from a personal budget or direct payment	Indiv
REC2PAY3	Payment for care person 2: Yes, I receive a carer's allowance	Indiv
REC2PAY4	Payment for care person 2: Yes, I receive money in another way	Indiv
REC2PAY5	Payment for care person 2: No, I receive no money for helping this person	Indiv
REC3PAY1	Payment for care person 3: Yes, this person pays me from their own income, pensions or savings	Indiv

REC3PAY2	Payment for care person 3: Yes, this person pays me from a personal budget or direct payment	Indiv
REC3PAY3	Payment for care person 3: Yes, I receive a carer's allowance	Indiv
REC3PAY4	Payment for care person 3: Yes, I receive money in another way	Indiv
REC3PAY5	Payment for care person 3: No, I receive no money for helping this person	Indiv
REC1PFRQ17	Person 1: Frequency of payment (per week or month)	Indiv
REC2PFRQ17	Person 2: Frequency of payment (per week or month)	Indiv
REC3PFRQ17	Person 3: Frequency of payment (per week or month)	Indiv
REC1AMTWR	(D) Person 1: Amount received per week (grouped)	Derived[1]
REC2AMTWR	(D) Person 2: Amount received per week (grouped)	Derived[1]
REC3AMTWR	(D) Person 3: Amount received per week (grouped)	Derived[1]

Carers support

Variable	Description	Source
SUPPORT1	Support received for caring for person 1: Help from GP or nurse	Indiv
SUPPORT2	Support received for caring for person 1: Access to respite care	Indiv
SUPPORT3	Support received for caring for person 1: Help from professional care staff	Indiv
SUPPORT4	Support received for caring for person 1: Help from carers' organisation or charity	Indiv
SUPPORT5	Support received for caring for person 1: Help from other family members	Indiv
SUPPORT6	Support received for caring for person 1: Advice from local authority/ social services	Indiv
SUPPORT7	Support received for caring for person 1: Help from friends/neighbours	Indiv
SUPPORT8	Support received for caring for person 1: No support/ help received from any of these	Indiv
SUPPORT9	Support received for caring for person 2: Help from GP or nurse	Indiv
SUPPOR10	Support received for caring for person 2: Access to respite care	Indiv
SUPPOR11	Support received for caring for person 2: Help from professional care staff	Indiv
SUPPOR12	Support received for caring for person 2: Help from carers' organisation or charity	Indiv
SUPPOR13	Support received for caring for person 2: Help from other family members	Indiv
SUPPOR14	Support received for caring for person 2: Advice from local authority/ social services	Indiv
SUPPOR15	Support received for caring for person 2: Help from friends/neighbours	Indiv
SUPPOR16	Support received for caring for person 2: No support/ help received from any of these	Indiv
SUPPOR17	Support received for caring for person 3: Help from GP or nurse	Indiv
SUPPOR18	Support received for caring for person 3: Access to respite care	Indiv
SUPPOR19	Support received for caring for person 3: Help from professional care staff	Indiv
SUPPOR20	Support received for caring for person 3: Help from carers' organisation or charity	Indiv
SUPPOR21	Support received for caring for person 3: Help from other family members	Indiv
SUPPOR22	Support received for caring for person 3: Advice from local authority/ social services	Indiv
SUPPOR23	Support received for caring for person 3: Help from friends/neighbours	Indiv
SUPPOR24	Support received for caring for person 3: No support/ help received from any of these	Indiv
Support1D	(D) Support received for caring: Help from GP or nurse	Derived
Support2D	(D) Support received for caring: Access to respite care	Derived
Support3D	(D) Support received for caring: Help from professional care staff	Derived
Support4D	(D) Support received for caring: Help from carers' organisation or charity	Derived
Support5D	(D) Support received for caring: Help from other family members	Derived
Support6D	(D) Support received for caring: Advice from local authority/ social services	Derived
Support7D	(D) Support received for caring: Help from friends/neighbours	Derived
Support8D	(D) Support received for caring: None of these	Derived

Carers health

Variable	Description	Source
HEALTHA1	Health affected in the last three months by help/ support provided: Feeling tired	Indiv
HEALTHA2	Health affected in the last three months by help/ support provided: Feeling depressed	Indiv
HEALTHA3	Health affected in the last three months by help/ support provided: Loss of appetite	Indiv
HEALTHA4	Health affected in the last three months by help/ support provided: Disturbed sleep	Indiv
HEALTHA5	Health affected in the last three months by help/ support provided: General feeling of stress	Indiv
HEALTHA6	Health affected in the last three months by help/ support provided: Physical strain	Indiv
HEALTHA7	Health affected in the last three months by help/ support provided: Short tempered	Indiv
HEALTHA8	Health affected in the last three months by help/ support provided: Developed my own health condition	Indiv
HEALTHA9	Health affected in the last three months by help/ support provided: Made an existing condition worse	Indiv
HEALTHA10	Health affected in the last three months by help/ support provided: Other	Indiv

[1] Derivation not included in derived variable specification.

HEALTHA11	Health affected in the last three months by help/ support provided: None of these	Indiv
HEALTHGP	Seen GP because health has been affected by the support given	Indiv
HLTHEMP1	Ability to take up or stay in employment affected: Left employment altogether	Indiv
HLTHEMP2	Ability to take up or stay in employment affected: Took new job	Indiv
HLTHEMP3	Ability to take up or stay in employment affected: Worked fewer hours	Indiv
HLTHEMP4	Ability to take up or stay in employment affected: Reduced responsibility at work	Indiv
HLTHEMP5	Ability to take up or stay in employment affected: Flexible employment agreed	Indiv
HLTHEMP6	Ability to take up or stay in employment affected: Changed to work at home	Indiv
HLTHEMP7	Ability to take up or stay in employment affected: Other	Indiv
HLTHEMP8	Ability to take up or stay in employment affected: Employment not affected	Indiv
LAASS	Local Authority (council) carried out a carer's assessment as a result of the help or support provide	Indiv

Carers

Care provided

Variable	Description	Source
Time	Thinking about the other people you have caring responsibilities for, which of the following best describes your current situation	Indiv
FinDiff	Last 12 months, has caring caused any financial difficulties	Indiv
CurrSit	Thinking about combining your paid work and caring responsibilities, which of the following statements best describes your current situation	Indiv
P1_WhchHlp1	Person 1: Last month helped with: Personal care	Indiv
P1_WhchHlp2	Person 1: Last month helped with: Physical help	Indiv
P1_WhchHlp3	Person 1: Last month helped with: Dealing with care services and benefits	Indiv
P1_WhchHlp4	Person 1: Last month helped with: Other paperwork or financial matters	Indiv
P1_WhchHlp5	Person 1: Last month helped with: Other practical help (e.g. shopping for food)	Indiv
P1_WhchHlp6	Person 1: Last month helped with: Keeping him/her company	Indiv
P1_WhchHlp7	Person 1: Last month helped with: Taking him/her out	Indiv
P1_WhchHlp8	Person 1: Last month helped with: Giving medicines	Indiv
P1_WhchHlp9	Person 1: Last month helped with: Keeping an eye on him/her to see he/she is alright	Indiv
P1_WhchHlp10	Person 1: Last month helped with: None of these	Indiv
P1_OftenA	Person 1: How often helped with personal care	Indiv
P1_OftenB	Person 1: How often helped with physical help	Indiv
P1_OftenC	Person 1: How often helped with dealing with care services and benefits	Indiv
P1_OftenD	Person 1: How often helped with other paperwork or financial matters	Indiv
P1_OftenE	Person 1: How often helped with other practical help	Indiv
P1_OftenF	Person 1: How often helped with keeping him/her company	Indiv
P1_OftenG	Person 1: How often helped with taking him/her out	Indiv
P1_OftenH	Person 1: How often helped with giving medicines	Indiv
P1_OftenI	Person 1: How often helped with keeping an eye on him/her to see if he/she is alright	Indiv
P1_Long	Person 1: About how long been looking after or helping person 1	Indiv
P1_RegVis1	Person 1 cared for receives regular visits at least once a month from: Doctor	Indiv
P1_RegVis2	Person 1 cared for receives regular visits at least once a month from: Community/ district nurse/ Community Matron	Indiv
P1_RegVis3	Person 1 cared for receives regular visits at least once a month from: Health visitor	Indiv
P1_RegVis4	Person 1 cared for receives regular visits at least once a month from: Social worker/ care manager	Indiv
P1_RegVis5	Person 1 cared for receives regular visits at least once a month from: Home help/ care worker	Indiv
P1_RegVis6	Person 1 cared for receives regular visits at least once a month from: Meals on wheels	Indiv
P1_RegVis7	Person 1 cared for receives regular visits at least once a month from: Voluntary worker	Indiv
P1_RegVis8	Person 1 cared for receives regular visits at least once a month from: Occupational therapist	Indiv
P1_RegVis9	Person 1 cared for receives regular visits at least once a month from: Educational professional	Indiv
P1_RegVis10	Person 1 cared for receives regular visits at least once a month from: Specialist/nursing care/ palliative care	Indiv
P1_RegVis11	Person 1 cared for receives regular visits at least once a month from: Community mental health services	Indiv
P1_RegVis12	Person 1 cared for receives regular visits at least once a month from: Gardener/ caretaker/ warden	Indiv
P1_RegVis13	Person 1 cared for receives regular visits at least once a month from: Other professional visitor	Indiv
P1_RegVis14	Person 1 cared for receives regular visits at least once a month from: None	Indiv

P1_RegCont1	Person 1 cared for has regular contact from: Doctor	Indiv
P1_RegCont2	Person 1 cared for has regular contact from: Community/ district nurse/ community matron	Indiv
P1_RegCont3	Person 1 cared for has regular contact from: Health visitor	Indiv
P1_RegCont4	Person 1 cared for has regular contact from: Social worker/ care manager	Indiv
P1_RegCont5	Person 1 cared for has regular contact from: Home help/ care worker	Indiv
P1_RegCont6	Person 1 cared for has regular contact from: Meals on wheels	Indiv
P1_RegCont7	Person 1 cared for has regular contact from: Voluntary worker	Indiv
P1_RegCont8	Person 1 cared for has regular contact from: Occupational therapist	Indiv
P1_RegCont9	Person 1 cared for has regular contact from: Educational professional	Indiv
P1_RegCont10	Person 1 cared for has regular contact from: Specialist/nursing care/ palliative care	Indiv
P1_RegCont11	Person 1 cared for has regular contact from: Community mental health services	Indiv
P1_RegCont12	Person 1 cared for has regular contact from: Gardener/ caretaker/ warden	Indiv
P1_RegCont13	Person 1 cared for has regular contact from: Other professional visitor	Indiv
P1_RegCont14	Person 1 cared for has regular contact from: None	Indiv
P1_NoRegVis1	Reasons for person 1 not receiving regular visits at least once a month: Not available/not offered	Indiv
P1_NoRegVis2	Reasons for person 1 not receiving regular visits at least once a month: Not needed	Indiv
P1_NoRegVis3	Reasons for person 1 not receiving regular visits at least once a month: Tried, but not helpful	Indiv
P1_NoRegVis4	Reasons for person 1 not receiving regular visits at least once a month: Not wanted by respondent	Indiv
P1_NoRegVis5	Reasons for person 1 not receiving regular visits at least once a month: Not wanted by the person respondent cares for	Indiv
P1_NoRegVis6	Reasons for person 1 not receiving regular visits at least once a month: Not at a convenient time	Indiv
P1_NoRegVis7	Reasons for person 1 not receiving regular visits at least once a month: Too expensive	Indiv
P1_NoRegVis8	Reasons for person 1 not receiving regular visits at least once a month: Not eligible	Indiv
P1_NoRegVis9	Reasons for person 1 not receiving regular visits at least once a month: Don't know who to ask	Indiv
P1_NoRegVis10	Reasons for person 1 not receiving regular visits at least once a month: Other	Indiv
P1_DTrnsp	Person 1 cared for regularly makes use of a community or voluntary transport scheme	Indiv
P2_WhchHlp1	Person 2: Last month helped with: Personal care	Indiv
P2_WhchHlp2	Person 2: Last month helped with: Physical help	Indiv
P2_WhchHlp3	Person 2: Last month helped with: Dealing with care services and benefits	Indiv
P2_WhchHlp4	Person 2: Last month helped with: Other paperwork or financial matters	Indiv
P2_WhchHlp5	Person 2: Last month helped with: Other practical help (e.g. shopping for food)	Indiv
P2_WhchHlp6	Person 2: Last month helped with: Keeping him/her company	Indiv
P2_WhchHlp7	Person 2: Last month helped with: Taking him/her out	Indiv
P2_WhchHlp8	Person 2: Last month helped with: Giving medicines	Indiv
P2_WhchHlp9	Person 2: Last month helped with: Keeping an eye on him/her to see he/she is alright	Indiv
P2_WhchHlp10	Person 2: Last month helped with: None of these	Indiv
P2_OftenA	Person 2: How often helped with personal care	Indiv
P2_OftenB	Person 2: How often helped with physical help	Indiv
P2_OftenC	Person 2: How often helped with dealing with care services and benefits	Indiv
P2_OftenD	Person 2: How often helped with other paperwork or financial matters	Indiv
P2_OftenE	Person 2: How often helped with other practical help	Indiv
P2_OftenF	Person 2: How often helped with keeping him/her company	Indiv
P2_OftenG	Person 2: How often helped with taking him/her out	Indiv
P2_OftenH	Person 2: How often helped with giving medicines	Indiv
P2_OftenI	Person 2: How often helped with keeping an eye on him/her to see if he/she is alright	Indiv
P2_Long	Person 2: About how long been looking after or helping person 2	Indiv
P2_RegVis1	Person 2 cared for receives regular visits at least once a month from: Doctor	Indiv
P2_RegVis2	Person 2 cared for receives regular visits at least once a month from: Community/ district nurse/ Community Matron	Indiv
P2_RegVis3	Person 2 cared for receives regular visits at least once a month from: Health visitor	Indiv
P2_RegVis4	Person 2 cared for receives regular visits at least once a month from: Social worker/ care manager	Indiv
P2_RegVis5	Person 2 cared for receives regular visits at least once a month from: Home help/ care worker	Indiv
P2_RegVis6	Person 2 cared for receives regular visits at least once a month from: Meals on wheels	Indiv
P2_RegVis7	Person 2 cared for receives regular visits at least once a month from: Voluntary worker	Indiv
P2_RegVis8	Person 2 cared for receives regular visits at least once a month from: Occupational therapist	Indiv
P2_RegVis9	Person 2 cared for receives regular visits at least once a month from: Educational professional	Indiv
P2_RegVis10	Person 2 cared for receives regular visits at least once a month from: Specialist/nursing care/ palliative care	Indiv
P2_RegVis11	Person 2 cared for receives regular visits at least once a month from: Community mental health services	Indiv
P2_RegVis12	Person 2 cared for receives regular visits at least once a month from: Gardener/ caretaker/ warden	Indiv
P2_RegVis13	Person 2 cared for receives regular visits at least once a month from: Other professional visitor	Indiv

P2_RegVis14	Person 2 cared for receives regular visits at least once a month from: None	Indiv
P2_RegCont1	Person 2 cared for has regular contact from: Doctor	Indiv
P2_RegCont2	Person 2 cared for has regular contact from: Community/ district nurse/ community matron	Indiv
P2_RegCont3	Person 2 cared for has regular contact from: Health visitor	Indiv
P2_RegCont4	Person 2 cared for has regular contact from: Social worker/ care manager	Indiv
P2_RegCont5	Person 2 cared for has regular contact from: Home help/ care worker	Indiv
P2_RegCont6	Person 2 cared for has regular contact from: Meals on wheels	Indiv
P2_RegCont7	Person 2 cared for has regular contact from: Voluntary worker	Indiv
P2_RegCont8	Person 2 cared for has regular contact from: Occupational therapist	Indiv
P2_RegCont9	Person 2 cared for has regular contact from: Educational professional	Indiv
P2_RegCont10	Person 2 cared for has regular contact from: Specialist/nursing care/ palliative care	Indiv
P2_RegCont11	Person 2 cared for has regular contact from: Community mental health services	Indiv
P2_RegCont12	Person 2 cared for has regular contact from: Gardener/ caretaker/ warden	Indiv
P2_RegCont13	Person 2 cared for has regular contact from: Other professional visitor	Indiv
P2_RegCont14	Person 2 cared for has regular contact from: None	Indiv
P2_NoRegVis1	Reasons for person 2 not receiving regular visits at least once a month: Not available/not offered	Indiv
P2_NoRegVis2	Reasons for person 2 not receiving regular visits at least once a month: Not needed	Indiv
P2_NoRegVis3	Reasons for person 2 not receiving regular visits at least once a month: Tried, but not helpful	Indiv
P2_NoRegVis4	Reasons for person 2 not receiving regular visits at least once a month: Not wanted by respondent	Indiv
P2_NoRegVis5	Reasons for person 2 not receiving regular visits at least once a month: Not wanted by the person respondent cares for	Indiv
P2_NoRegVis6	Reasons for person 2 not receiving regular visits at least once a month: Not at a convenient time	Indiv
P2_NoRegVis7	Reasons for person 2 not receiving regular visits at least once a month: Too expensive	Indiv
P2_NoRegVis8	Reasons for person 2 not receiving regular visits at least once a month: Not eligible	Indiv
P2_NoRegVis9	Reasons for person 2 not receiving regular visits at least once a month: Don't know who to ask	Indiv
P2_NoRegVis10	Reasons for person 2 not receiving regular visits at least once a month: Other	Indiv
P2_DTrnsp	Person 2 cared for regularly makes use of a community or voluntary transport scheme	Indiv
P3_WhchHlp1	Person 3: Last month helped with: Personal care	Indiv
P3_WhchHlp2	Person 3: Last month helped with: Physical help	Indiv
P3_WhchHlp3	Person 3: Last month helped with: Dealing with care services and benefits	Indiv
P3_WhchHlp4	Person 3: Last month helped with: Other paperwork or financial benefits	Indiv
P3_WhchHlp5	Person 3: Last month helped with: Other practical help (e.g. shopping for food)	Indiv
P3_WhchHlp6	Person 3: Last month helped with: Keeping him/her company	Indiv
P3_WhchHlp7	Person 3: Last month helped with: Taking him/her out	Indiv
P3_WhchHlp8	Person 3: Last month helped with: Giving medicines	Indiv
P3_WhchHlp9	Person 3: Last month helped with: Keeping an eye on him/her to see he/she is alright	Indiv
P3_WhchHlp10	Person 3: Last month helped with: None of these	Indiv
P3_OftenA	Person 3: How often helped with personal care	Indiv
P3_OftenB	Person 3: How often helped with physical help	Indiv
P3_OftenC	Person 3: How often helped with dealing with care services and benefits	Indiv
P3_OftenD	Person 3: How often helped with other paperwork or financial matters	Indiv
P3_OftenE	Person 3: How often helped with other practical help	Indiv
P3_OftenF	Person 3: How often helped with keeping him/her company	Indiv
P3_OftenG	Person 3: How often helped with taking him/her out	Indiv
P3_OftenH	Person 3: How often helped with giving medicines	Indiv
P3_OftenI	Person 3: How often helped with keeping an eye on him/her to see if he/she is alright	Indiv
P3_Long	Person 3: About how long been looking after or helping person cared for	Indiv
P3_RegVis1	Person 3 cared for receives regular visits at least once a month from: Doctor	Indiv
P3_RegVis2	Person 3 cared for receives regular visits at least once a month from: Community/ district nurse/ Community Matron	Indiv
P3_RegVis3	Person 3 cared for receives regular visits at least once a month from: Health visitor	Indiv
P3_RegVis4	Person 3 cared for receives regular visits at least once a month from: Social worker/ care manager	Indiv
P3_RegVis5	Person 3 cared for receives regular visits at least once a month from: Home help/ care worker	Indiv
P3_RegVis6	Person 3 cared for receives regular visits at least once a month from: Meals on wheels	Indiv
P3_RegVis7	Person 3 cared for receives regular visits at least once a month from: Voluntary worker	Indiv
P3_RegVis8	Person 3 cared for receives regular visits at least once a month from: Occupational therapist	Indiv
P3_RegVis9	Person 3 cared for receives regular visits at least once a month from: Educational professional	Indiv
P3_RegVis10	Person 3 cared for receives regular visits at least once a month from: Specialist/nursing care/ palliative care	Indiv
P3_RegVis11	Person 3 cared for receives regular visits at least once a month from: Community mental health services	Indiv
P3_RegVis12	Person 3 cared for receives regular visits at least once a month from: Gardener/ caretaker/ warden	Indiv

P3_RegVis13	Person 3 cared for receives regular visits at least once a month from: Other professional visitor	Indiv
P3_RegVis14	Person 3 cared for receives regular visits at least once a month from: None	Indiv
P3_RegCont1	Person 3 cared for has regular contact from: Doctor	Indiv
P3_RegCont2	Person 3 cared for has regular contact from: Community/ district nurse/ community matron	Indiv
P3_RegCont3	Person 3 cared for has regular contact from: Health visitor	Indiv
P3_RegCont4	Person 3 cared for has regular contact from: Social worker/ care manager	Indiv
P3_RegCont5	Person 3 cared for has regular contact from: Home help/ care worker	Indiv
P3_RegCont6	Person 3 cared for has regular contact from: Meals on wheels	Indiv
P3_RegCont7	Person 3 cared for has regular contact from: Voluntary worker	Indiv
P3_RegCont8	Person 3 cared for has regular contact from: Occupational therapist	Indiv
P3_RegCont9	Person 3 cared for has regular contact from: Educational professional	Indiv
P3_RegCont10	Person 3 cared for has regular contact from: Specialist/nursing care/ palliative care	Indiv
P3_RegCont11	Person 3 cared for has regular contact from: Community mental health services	Indiv
P3_RegCont12	Person 3 cared for has regular contact from: Gardener/ caretaker/ warden	Indiv
P3_RegCont13	Person 3 cared for has regular contact from: Other professional visitor	Indiv
P3_RegCont14	Person 3 cared for has regular contact from: None	Indiv
P3_NoRegVis1	Reasons for person 3 not receiving regular visits at least once a month: Not available/not offered	Indiv
P3_NoRegVis2	Reasons for person 3 not receiving regular visits at least once a month: Not needed	Indiv
P3_NoRegVis3	Reasons for person 3 not receiving regular visits at least once a month: Tried, but not helpful	Indiv
P3_NoRegVis4	Reasons for person 3 not receiving regular visits at least once a month: Not wanted by respondent	Indiv
P3_NoRegVis5	Reasons for person 3 not receiving regular visits at least once a month: Not wanted by the person respondent cares for	Indiv
P3_NoRegVis6	Reasons for person 3 not receiving regular visits at least once a month: Not at a convenient time	Indiv
P3_NoRegVis7	Reasons for person 3 not receiving regular visits at least once a month: Too expensive	Indiv
P3_NoRegVis8	Reasons for person 3 not receiving regular visits at least once a month: Not eligible	Indiv
P3_NoRegVis9	Reasons for person 3 not receiving regular visits at least once a month: Don't know who to ask	Indiv
P3_NoRegVis10	Reasons for person 3 not receiving regular visits at least once a month: Other	Indiv
P3_DTrnsp	Person 3 cared for regularly makes use of a community or voluntary transport scheme	Indiv
HelpPerCa	(D) Type of help provided: Personal Care (e.g. washing self, having a bath or shower)	Derived
HelpPhys	(D) Type of help provided: Physical help (e.g. to get around indoors, to get up and down stairs)	Derived
HelpCSB	(D) Type of help provided: Help with dealing with care services and benefits	Derived
HelpPWF	(D) Type of help provided: Help with other paperwork or financial matters	Derived
HelpOthPr	(D) Type of help provided: Other practical help (e.g. shopping for food)	Derived
HelpComp	(D) Type of help provided: Keeping them company	Derived
HelpTakO	(D) Type of help provided: Taking them out	Derived
HelpMed	(D) Type of help provided: Giving medicines	Derived
HelpKeep	(D) Type of help provided: Keeping an eye on them to see if they are alright	Derived
HelpNone	(D) Type of help provided: None of these	Derived
LongHelp	(D) How long care has been provided for (all people cared for, longest amount of time)	Derived
LongHelpG7	(D) How long care has been provided for (all people cared for, longest amount of time) (grouped)	Derived

Reasons for providing care

Variable	Description	Source
P1_CareImpct1	Reason started looking after or giving special help to person 1: No one else available	Indiv
P1_CareImpct2	Reason started looking after or giving special help to person 1: Was willing / wanted to help out	Indiv
P1_CareImpct3	Reason started looking after or giving special help to person 1: Had the time because was not working	Indiv
P1_CareImpct4	Reason started looking after or giving special help to person 1: Had the time because was working part time	Indiv
P1_CareImpct5	Reason started looking after or giving special help to person 1: Have particular skills / ability to care	Indiv
P1_CareImpct6	Reason started looking after or giving special help to person 1: Social Services (Local Authority) suggested respondent should provide care	Indiv
P1_CareImpct7	Reason started looking after or giving special help to person 1: It was expected of respondent (it's what families do)	Indiv
P1_CareImpct8	Reason started looking after or giving special help to person 1: He/she wouldn't want anyone else caring for them	Indiv
P1_CareImpct9	Reason started looking after or giving special help to person 1: Cared for person requested respondent's help/care	Indiv

P1_CareImpct10	Reason started looking after or giving special help to person 1: Took over caring responsibilities from someone else	Indiv
P1_CareImpct11	Reason started looking after or giving special help to person 1: They needed help (person cared for)	Indiv
P1_CareImpct95	Reason started looking after or giving special help to person 1: Other (SPECIFY)	Indiv
P2_CareImpct1	Reason started looking after or giving special help to person 2: No one else available	Indiv
P2_CareImpct2	Reason started looking after or giving special help to person 2: Was willing / wanted to help out	Indiv
P2_CareImpct3	Reason started looking after or giving special help to person 2: Had the time because was not working	Indiv
P2_CareImpct4	Reason started looking after or giving special help to person 2: Had the time because was working part time	Indiv
P2_CareImpct5	Reason started looking after or giving special help to person 2: Have particular skills / ability to care	Indiv
P2_CareImpct6	Reason started looking after or giving special help to person 2: Social Services (Local Authority) suggested respondent should provide care	Indiv
P2_CareImpct7	Reason started looking after or giving special help to person 2: It was expected of respondent (it's what families do)	Indiv
P2_CareImpct8	Reason started looking after or giving special help to person 2: He/she wouldn't want anyone else caring for them	Indiv
P2_CareImpct9	Reason started looking after or giving special help to person 2: Cared for person requested respondent's help/care	Indiv
P2_CareImpct10	Reason started looking after or giving special help to person 2: Took over caring responsibilities from someone else	Indiv
P2_CareImpct11	Reason started looking after or giving special help to person 2: They needed help (person cared for)	Indiv
P2_CareImpct95	Reason started looking after or giving special help to person 2: Other (SPECIFY)	Indiv
P3_CareImpct1	Reason started looking after or giving special help to person 3: No one else available	Indiv
P3_CareImpct2	Reason started looking after or giving special help to person 3: Was willing / wanted to help out	Indiv
P3_CareImpct3	Reason started looking after or giving special help to person 3: Had the time because was not working	Indiv
P3_CareImpct4	Reason started looking after or giving special help to person 3: Had the time because was working part time	Indiv
P3_CareImpct5	Reason started looking after or giving special help to person 3: Have particular skills / ability to care	Indiv
P3_CareImpct6	Reason started looking after or giving special help to person 3: Social Services (Local Authority) suggested respondent should provide care	Indiv
P3_CareImpct7	Reason started looking after or giving special help to person 3: It was expected of respondent (it's what families do)	Indiv
P3_CareImpct8	Reason started looking after or giving special help to person 3: He/she wouldn't want anyone else caring for them	Indiv
P3_CareImpct9	Reason started looking after or giving special help to person 3: Cared for person requested respondent's help/care	Indiv
P3_CareImpct10	Reason started looking after or giving special help to person 3: Took over caring responsibilities from someone else	Indiv
P3_CareImpct11	Reason started looking after or giving special help to person 3: They needed help (person cared for)	Indiv
P3_CareImpct95	Reason started looking after or giving special help to person 3: Other (SPECIFY)	Indiv

Impact of caring responsibilities

Variable	Description	Source
P1_CareLeis1	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: Unable to socialise	Indiv
P1_CareLeis2	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: Reduced time with spouse or partner	Indiv
P1_CareLeis3	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: Reduced time with other family members	Indiv
P1_CareLeis4	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: Reduced time with friends	Indiv
P1_CareLeis5	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: Difficulties making new friends	Indiv
P1_CareLeis6	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: Reduced time spent doing sport or physical activity	Indiv
P1_CareLeis7	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: Reduced time spent doing pastime or hobby	Indiv
P1_CareLeis8	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: Other	Indiv

P1_CareLeis9	Assistance/ caring for person 1 affected ability to spend time doing leisure or social activities: None of these	Indiv
P2_CareLeis1	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: Unable to socialise	Indiv
P2_CareLeis2	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: Reduced time with spouse or partner	Indiv
P2_CareLeis3	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: Reduced time with other family members	Indiv
P2_CareLeis4	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: Reduced time with friends	Indiv
P2_CareLeis5	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: Difficulties making new friends	Indiv
P2_CareLeis6	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: Reduced time spent doing sport or physical activity	Indiv
P2_CareLeis7	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: Reduced time spent doing pastime or hobby	Indiv
P2_CareLeis8	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: Other	Indiv
P2_CareLeis9	Assistance/ caring for person 2 affected ability to spend time doing leisure or social activities: None of these	Indiv
P3_CareLeis1	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: Unable to socialise	Indiv
P3_CareLeis2	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: Reduced time with spouse or partner	Indiv
P3_CareLeis3	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: Reduced time with other family members	Indiv
P3_CareLeis4	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: Reduced time with friends	Indiv
P3_CareLeis5	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: Difficulties making new friends	Indiv
P3_CareLeis6	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: Reduced time spent doing sport or physical activity	Indiv
P3_CareLeis7	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: Reduced time spent doing pastime or hobby	Indiv
P3_CareLeis8	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: Other	Indiv
P3_CareLeis9	Assistance/ caring for person 3 affected ability to spend time doing leisure or social activities: None of these	Indiv
CareLeiSoc	(D) Impact of caring responsibilities on social contacts and leisure activities: unable to socialise	Derived
CareLeiSP	(D) Impact of caring responsibilities on social contacts and leisure activities: reduced time with spouse or partner	Derived
CareLeiOF	(D) Impact of caring responsibilities on social contacts and leisure activities: reduced time with other family members	Derived
CareLeiFr	(D) Impact of caring responsibilities on social contacts and leisure activities: reduced time with friends	Derived
CareLeiMF	(D) Impact of caring responsibilities on social contacts and leisure activities: difficulties making new friends	Derived
CareLeiSpor	(D) Impact of caring responsibilities on social contacts and leisure activities: reduced time doing sport or physical activity	Derived
CareLeiHob	(D) Impact of caring responsibilities on social contacts and leisure activities: reduced time doing pastime or hobby	Derived
CareLeiOth	(D) Impact of caring responsibilities on social contacts and leisure activities: other	Derived
CareLeiNo	(D) Impact of caring responsibilities on social contacts and leisure activities: none of these	Derived

Caring responsibilities and employment

Variable	Description	Source
TakEmp	Any interest in taking up paid employment	Indiv
HelpEmp1	Which would help take up paid employment: The ability to work from home	Indiv
HelpEmp2	Which would help take up paid employment: Having some flexibility in the hours respondent wants to work	Indiv
HelpEmp3	Which would help take up paid employment: Access to affordable childcare	Indiv
HelpEmp4	Which would help take up paid employment: Access to affordable care for the person respondent cares for	Indiv
HelpEmp5	Which would help take up paid employment: Better public transport	Indiv
HelpEmp6	Which would help take up paid employment: Other	Indiv
Barr01	Agree or disagree about potential barriers you might face in taking up paid employment: I cannot work because of my disability or health condition	Indiv

Barr02	Agree or disagree about potential barriers you might face in taking up paid employment: I cannot work because of my caring responsibilities	Indiv
Barr03	Agree or disagree about potential barriers you might face in taking up paid employment: I am not sure I would be able to work regularly	Indiv
Barr04	Agree or disagree about potential barriers you might face in taking up paid employment: At my age it is unlikely that I would find a suitable job	Indiv
Barr05	Agree or disagree about potential barriers you might face in taking up paid employment: I don't feel confident about working	Indiv
Barr06	Agree or disagree about potential barriers you might face in taking up paid employment: I haven't got enough qualifications and experience to find the right work	Indiv
Barr07	Agree or disagree about potential barriers you might face in taking up paid employment: There aren't enough suitable job opportunities locally	Indiv
Barr08	Agree or disagree about potential barriers you might face in taking up paid employment: I'm not sure I would be better off in work than on benefits	Indiv
Barr09	Agree or disagree about potential barriers you might face in taking up paid employment: I cannot work because of my childcare responsibilities	Indiv
Barr10	Agree or disagree about potential barriers you might face in taking up paid employment: My family/dependent(s) don't want me to work	Indiv
FlexWk	Aware that if you look after or give special help to sick, disabled or elderly people and have worked for the same employer for at least 26 weeks, now legally entitled to request flexible working	Indiv
ReqFlex	Made a request to work flexibly	Indiv
FtPTimeHrsG	(D) Average number of hours of paid work per week (including any paid or unpaid overtime but exclude meal breaks) recoded	Derived[1]
FlexAware	(D) Awareness of flexible working rights for carers - carers who are currently employed	Derived
FlexReqWk	(D) Requested flexible working - carers who are currently employed	Derived

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[1] Derivation not included in derived variable specification.

Health Survey for England

Health, social care and lifestyles

2019

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Classification

Individual

AG16G10: (D) Age 16+ 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) Age, 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

```
recode age (0 thru 1 = 1) (2 thru 4 = 2 ) (5 thru 7= 3) (8 thru 10= 4) (11 thru 12= 5) (13 thru 15 = 6 )
(16 thru 19 = 7 ) (20 thru 24 = 8) (25 thru 29= 9) (30 thru 34 =10) (35 thru 39= 11) (40 thru 44=12) (45
thru 49= 13) (50 thru 54= 14 ) (55 thru 59= 15) (60 thru 64= 16) (65 thru 69= 17) (70 thru 74= 18) (75
thru 79= 19) (80 thru 84= 20) (85 thru 89= 21) ( 90 thru hi = 22) (else = copy) into Age35g.
Variable labels Age35g  "Age, 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

```
recode age (0 thru 15 = -1) (16,17 = 1)  (18,19= 2 ) (20 thru 24=3) (25 thru 29=4)
(30 thru 34 = 5) (35 thru 39= 6 )(40 thru 44 = 7) (45 thru 49 = 8) (50 thru 54= 9) (55 thru 59=10) (60
thru 64= 11)
(65 thru 69= 12) (70 thru 74= 13) (75 thru 79 = 14) (80 thru 84 = 15) (85 thru 89= 16) (90 thru hi = 17)
into Age16g5.
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

```
recode age (16 thru hi =-1) (0,1 = -1 )(2 thru 4 = 1 ) (5 thru 10 = 2) (11 thru 15 = 3) into
Ag015g4.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".
```

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

```
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

BOOKLET19: (D) Eligible for which self-completion booklet

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

SPSS Syntax

```
COMPUTE booklet19=-1.
IF age>=8 and age<13 and screc=1 booklet19=1.
IF age>=13 and age<16 and screc=1 booklet19=2.
IF age>=16 and screc = 1 booklet19=3.
exe.
VARIABLE LABELS booklet19 "(D) Eligible for which self-completion booklet?".
VALUE LABELS booklet19
 -1 "Item not applicable"   1 "8-12"  2 " 13-15"   3 "Adults (16+)".
```

Education

TOPQUAL2: (D) Highest Educational Qualification - students separate

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

SPSS Syntax

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

TOPQUAL3: (D) Highest Educational Qualification

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

SPSS Syntax

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

TOPQUAL4: (D) Highest Educational Qualification, 3 groups

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

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

Educ2: (D) Highest Educational Qualification

1 Degree or equivalent
2 Below degree
3 None

SPSS Syntax

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

Employment Status

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

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

SPSS Syntax

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

NSSEC5: (D) NS-SEC 5 Variable Classification (individual) (includes students most recent job)
    1   Managerial and professional occupations
    2   Intermediate occupations
    3   Small employers and own account workers
    4   Lower supervisory and technical occupations
    5   Semi-routine occupations
    99   Other

SPSS Syntax

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

NSSEC3: (D) NS-SEC 3 Variable Classification (individual) (includes students most recent job)
    1   Managerial and professional occupations
    2   Intermediate occupations
    3   Routine and manual occupations
    99   Other

SPSS Syntax

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

HPNSSEC8: (D) NS-SEC 8 Variable Classification (HRP) (includes students most recent job)
    1   Higher managerial and professional occupations
    2   Lower managerial and professional occupations
    3   Intermediate occupations
    4   Small employers and own account workers
    5   Lower supervisory and technical occupations
    6   Semi-routine occupations
    7   Routine occupations
    8   Never worked and long term unemployed
    99   Other

SPSS Syntax

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

HPNSSEC5: (D) NS-SEC 5 Variable Classification (HRP) (includes students most recent job)
    1   Managerial and professional occupations
    2   Intermediate occupations
    3   Small employers and own account workers
    4   Lower supervisory and technical occupations
    5   Semi-routine occupations
    99   Other

SPSS Syntax

```
RECODE sthnssec (1 thru 6=1) (7 thru 7.4=2) (8 thru 9.2=3) (10 thru 11.2=4) (12 thru 13.5=5) (14 thru
17=99) (else=copy) INTO hpnssec5.
VARIABLE LABELS hpnssec5 "(D) NS-SEC 5 variable classification (hrp) (includes students most recent job)".
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) (includes students most recent job)

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

SPSS Syntax

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

Income

EQV5: (D) Equivalised Income Quintiles

    5   Highest Quintile (>£56,000)
    4   Second highest Quintile (>£35,540 <=£56,000)
    3   Middle Quintile (>£23,443 <=£35,540)
    2   Second lowest Quintile (>£14,956 <= £23,443)
    1   Lowest Quintile (<=£14,956)
  -90 Age of household member refused

EQV3: (D) Equivalised Income Tertiles

    3   Highest Tertile (>£40,492)
    2   Middle Tertile (>£20,654 <=£40,492)
    1   Lowest Tertile (<=£20,654)
  -90 Age of household member refused

Syntax for equivalised income is available on request

Nurse Admin

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

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

SPSS Syntax

```
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/ in a registered same-sex civil partnership
3. Separated/ separated, but still legally in a same-sex civil partnership
4. Divorced same-sex civil partnership which is now legally dissolved
5. Widowed/ surviving partner from a same-sex 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/ in a registered same-sex civil partnership"
3 "Separated/ separated, but still legally in a same-sex civil partnership"
4  "Divorced same-sex civil partnership which is now legally dissolved"
5  "Widowed/ surviving partner from a same-sex civil partnership"
6  "Cohabitees"
```

Intra-Household

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

1 Not overweight or obese
2 Overweight
3 Obese

fath_bmi2: (D) Father's BMI – two groups
moth_bmi2: (D) Mother's BMI – two groups

1 Not overweight or obese
2 Overweight or obese

Syntax is available on request

Sample Info

QIMD19: (D) Quintiles of IMD score 2019 - least deprived to most deprived

    1   Least deprived
    5   Most deprived

The Overall Index of Multiple Deprivation 2019 (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 IMD2019 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 2019 survey was used to link to the Super Output Area of residence, and hence to the corresponding deprivation quintile. All individuals in each household were allocated to the deprivation quintile to which their household had been allocated.

Anthropometric Measurements

Height/Weight Admin

ESTHT2: (D) Final height - measured or estimated (cm)
ESTWT2: (D) Final weight - measured or estimated (kg)

SPSS Syntax

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

do  IF Weight gt -1.
compute   EstWt2 = Weight.
          ELSE IF (EWtSt gt -1) AND (EWtL gt -1).
compute  EstWt2 =  RND(((EWtSt * 14) + EWtL) * 4.54)  * 0.1.
          ELSE IF (EWtSt gt -1) AND (EWtL le -1).
compute    EstWt2 =  RND(EWtSt * 63.56)  * 0.1.
          ELSE IF EWtkg gt -1.
compute             EstWt2 = EWtkg.
          END IF.
if ewtch = -8 estwt2 = -1.
if ewtch = -9 estwt2 = -1.
if range(respwts,2,4) and age lt 16 estwt2=-1.
add value labels estwt2 -1 "Not applicable".
VARIABLE LABELS ESTwT2 "(D) Final weight - measured or estimated (kg)".
```

HTOK: (D) Whether height measure is valid

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

SPSS Syntax

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

WTOK: (D) Whether weight measure is valid

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

SPSS Syntax

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

BMIOK: (D) Whether BMI measure is valid

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

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

SPSS Syntax

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

Measurements

HTVAL: (D) Valid height (cm)

SPSS Syntax

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

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

SPSS Syntax

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

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

SPSS Syntax

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

WSTVAL: (D) Valid Mean Waist (cm)

SPSS Syntax

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

HIPVAL: (D) Valid Mean Hip (cm)

SPSS Syntax

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

BMIOWGT: (D) Overweight, incl obese, binary

     1   Not 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 (40.00 thru hi=5)(30.00 thru 40=4)(25.00 thru 30=3)(18.50 thru 25=2)(0 thru 18.5=1)(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 >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 >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+) 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 (40.00 thru hi=5)(30.00 thru 40=4)(25.00 thru 30=3)(18.50 thru 25=2)(0 thru 18.5=1)(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) Valid BMI (grouped: <18.5,18.5-25,25-30,30-40,40+) 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

SPSS Syntax

```
RECODE bmival2 (40.00 thru hi=5)(30.00 thru 40=4)(25.00  thru 30=3)(18.50 thru 25=2)(0 thru 18.5=1)(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+) estimated weight if >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 (35.00 thru hi=5)(30.00 thru 40=4)(25.00 thru 30=3)(18.50 thru 25=2)(0 thru 18.5=1)(lo thru
-1=COPY) INTO bmivg53.
If age<16 bmivg53=-1.
VARIABLE LABELS bmivg53 "(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-35,35+) estimated weight if
>200kg".
VALUE LABELS bmivg53 1 "Under 18.5"  2 "18.5 and below 25"  3 "25 and below 30"
4 "30 and below 35"  5 "Over 35".
```

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

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

SPSS Syntax

```
RECODE bmival2 (30.00 thru hi = 6) (27.50 thru 30 = 5) (25.00 thru 27.50 = 4) (23.00 thru 25 = 3) (18.5
thru 23 = 2) (0 thru 18.5 = 1)
(else = copy) INTO BMI6grp.
If age<16 BMI6grp=-1.
VARIABLE LABELS BMI6grp "(D) Valid BMI (grouped:<18.5,18.5-23,23-25,25-27.5,27.5-30,30+) estimated weight
if >200kg".
VALUE LABELS BMI6grp
-1 "Not applicable"
1 "Under 18.5"  2 "18.5 and below 23"  3 "23 and below 25"  4 "25 and below 27.5"
5 "27.5 and below 30" 6 "Over 30".
```

BMIVG3: (D) BMI grouped - underweight and normal; overweight; obese and morbidly obese

1   Not overweight or obese
2   Overweight
3   Obese

SPSS Syntax

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

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

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

SPSS Syntax

```
recode bmival(40.00 thru hi=6)(35.00 thru 40=5)(30.00 thru 35=4)(25.00 thru 30=3)(18.50 thru 25=2)(0 thru
18.5=1)(else=copy) into bmivg6.
IF Age<16 | BMIval<0 | wstval<0 BMIVG6=-1.
VARIABLE LABELS BMIvg6 "(D) BMI grouped with Obese categories I, II, III(excluding invalid waist
measurements) ".
val labels BMIVG6
1 'Underweight: less than 18.5'
2 'Normal: 18.5 to less than 25'
3 'Overweight: 25 to less than 30'
4 'Obese I: 30 to less than 35'
5 'Obese II: 35 to less than 40'
6 'Obese III: 40 or more'.
```

BMIVG8: (D) BMI in 8 categories

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

SPSS Syntax

```
recode bmival2 (35.00 thru hi=8)(32.50 thru 35=7)(30.00 thru 32.5=6)(27.50 thru 30=5)(25.00 thru
27.5=4)(23.00 thru 25=3)(18.5 thru 23=2)(0 thru 18.5=1)(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".
```

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

    1   Normal-weight
    2   Over-weight
    3   Obese

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

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

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

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

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

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

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

```
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND bmival<18.52 bmicat1=1.

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

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

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

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

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

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

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


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

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

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

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

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

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

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND (bmival>=17.61 AND bmival<19.04 ) bmicat1=2.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND (bmival>=18.23 AND bmival<19.93) bmicat1=2.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND (bmival>=17.83 AND bmival<19.36) bmicat1=2.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND (bmival>=18.52 AND bmival<20.30 ) bmicat1=2.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND (bmival>=20.42) bmicat1=3.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND (bmival>=21.52) bmicat1=3.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND (bmival>=20.79) bmicat1=3.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND (bmival>=21.94) bmicat1=3.

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

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

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

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

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

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

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

BMICAT2: (D) BMI status age 2-15 (overweight inc. 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) BMI status age 2-15 (non-obese vs obese)
  1   Non-obese
  2   Obese

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

WHVAL: (D) Valid mean waist/hip ratio
SPSS Syntax

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

MENWHGP: (D) Male waist hip ratio groups
  1   Less than 0.80
  2   0.80, less than 0.85
  3   0.85, less than 0.90
  4   0.90, less than 0.95
  5   0.95, less than 1.00
  6   1.00 or more

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

SPSS Syntax

```
do if sex=1.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into menwhgp.
RECODE whval (1.00 THRU hi=6)(0.95 THRU 1.00=5)(0.90 THRU 0.95=4)(0.85 THRU 0.90=3)
  (0.80 THRU 0.85=2)(0.01 THRU 0.80=1) into menwhgp.
recode menwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into menwhhi.
end if.
if sex=2 menwhgp=-1.
if sex=2 menwhhi=-1.
if age<=15 menwhgp=-1.
if age<=15 menwhhi=-1.
Exe.
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'.
```

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.
End if.
if sex=1 womwhgp=-1.
if sex=1 womwhhi=-1.
if age<=15 womwhgp=-1.
if age<=15 womwhhi=-1.
Exe.
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'.
```

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

         1 Normal
         2 Over 102/88cm

```
SPSS syntax

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

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

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

```
SPSS syntax

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

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

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

    1   Low waist circ
    2   High
    3   Very high

SPSS syntax

```
DO IF wstval>50 & range(BMIVG6,1,6).
   DO IF (sex=1) .
        RECODE wstval  (Lowest thru 93.999=1)  (94 thru 102=2)  (102 thru Highest=3)  INTO  waist .
        ELSE IF (sex=2) .
             RECODE wstval  (Lowest thru 79.999=1)  (80 thru 88=2)  (88 thru Highest=3)  INTO  waist .
    END IF .
    ELSE IF (wstval<=50 | (BMIvg6<1 | BMIvg6>6)).
        compute Waist=-1.
END IF.
EXECUTE .
VARIABLE LABELS Waist '(D) Waist circumference, defined by NICE (3 groups, based on valid waist and
BMIvg6)'.
VALUE LABELS WAIST
    1 'Low waist circ' 2  'High'   3 'Very high'.
```

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

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

SPSS syntax

```
if 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 body mass index (BMI) and waist circumference, grouped (as defined by NICE)

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

SPSS syntax

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

Waist and Hip Admin

WSTOKB: (D) Whether waist measurements are valid

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

SPSS syntax

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

HIPOKB: (D) Whether hip measurements are valid

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

SPSS syntax

```
RECODE respwh (1=1)(2=7)(3=8)(4=9)(-6,-2,-1=COPY) INTO hipokb.
COMPUTE xxhip12=abs(hip1-hip2).
COMPUTE xxhip13=abs(hip1-hip3).
COMPUTE xxhip23=abs(hip2-hip3).
IF respwh=1 & xxhip12<=3 & any(hjrel,1,2,3) hipokb=1.
```

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

WHOKB: (D) Whether waist/hip measure is valid

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

SPSS Syntax

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

Blood sample

Admin

BSOUTE: (D) Blood Sample Outcome

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

SPSS Syntax

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

CHOLOK2: (D) Response to Total Cholesterol sample
HDLOK2: (D) Response to HDL Cholesterol sample
GLYHBOK: (D) Response to Glycated haemoglobin 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

SPSS Syntax

```
compute Cholval3 = cholval2.
if cholflag3 = 1 Cholval3  =  -1.
variable labels  Cholval3  (D) Valid Total Cholesterol result".
add value labels  Cholval3  -1 "Not applicable".
```

CHOLVAL13: (D) Valid Total Cholesterol result (incl those on LLD)

SPSS Syntax

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

CHOLFOUR3: (D) Whether Total Cholesterol < 4 (incl those on LLD)
    1   <4.0
    2   >4.0

SPSS Syntax

```
compute Cholfour3 =  Cholfour2.
if cholflag3 = 1 cholfour3 = -1.
variable labels Cholfour3  "D) Whether Total Cholesterol < 4 (incl those on LLD)".
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)
    1   <5.0
    2   >5.0

SPSS Syntax

```
compute Cholfive3  =  cholfive2.
if cholflag3 = 1 cholfive3 = -1.
variable labels Cholfive3   "(D) Whether Total Cholesterol < 5 (incl those on LLD)".
add value labels  Cholfive3   -1 "Not applicable" 1.00 "<5.0" 2.00 ">=5.0".
```

HDLVAL3: (D) Valid HDL Cholesterol result

SPSS Syntax

```
compute Hdlval3 = hdlval2.
if cholflag3 = 1 Hdlval3 = -1.
var labs Hdlval3 "(D) Valid HDL Cholesterol result".
add value labels Hdlval3 -1 "Not applicable".
```

HDLVAL13: (D) Valid HDL Cholesterol result (incl those on LLD)

SPSS Syntax

```
compute Hdlval13 = hdlval12.
if cholflag3 = 1 hdlval13 = -1.
var labs Hdlval13 "(D) Valid HDL Cholesterol result (incl those on LLD".
add value labels Hdlval13 -1 "Not applicable".
```

HDLONE3: (D) Whether HDL Cholesterol result <1 (incl those on LLD)
    1   <1
    2   >1

SPSS Syntax

```
compute Hdlone3 =hdlone2.
if cholflag3 = 1 hdlone3 = -1.
var labs Hdlone3 "(D) Whether HDL Cholesterol result <1 (incl those on LLD".
add value labels Hdlone3 -1 "Not applicable" 1.00 "<1" 2.00 ">=1".
```

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

    0 Below 4.9
    1 Above 4.9

```
SPSS Syntax

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

GLYHBVALA: (D) Valid Glycated haemoglobin result (%) (comparable with pre-September 2013)

```
SPSS Syntax

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

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

```
SPSS Syntax

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

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

```
SPSS Syntax

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) (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} (comparable with pre-2010 results)

    1   <4.0
    2   >4.0

```
SPSS Syntax

COMPUTE cholfoura=cholval1a.
If cholval1a>=4.0 cholfoura=2.
if cholval1a>0 & cholval1a LT 4.0 cholfoura=1.
Exe.
VALUE LABELS cholfoura
 1 "<4.0"
 2 ">=4.0" -1 "Not applicable".
variable labels  Cholfoura "(D) Whether Total Cholesterol < 4 (incl those on LLD) {revised} (comparable with pre-2010 results)".
```

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

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

SPSS Syntax

```
compute  Cholfivea  = 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} (comparable
with pre-2010 results)".
add value labels  Cholfivea  1 "<5.0"
 2 ">=5.0" -1 "Not applicable".
```

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

SPSS Syntax

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

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

SPSS Syntax

```
compute 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) (comparable with
pre-2010 results)".
add value labels Hdlval1a
-1 "Not applicable" -8 "Don't know"
-9 "Refused".
```

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

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

SPSS Syntax

```
compute Hdlonea = -99.
if 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".
variable labels Hdlonea "(D) Whether HDL Cholesterol result <1 (incl those on LLD) {revised} (comparable
with pre-2010 results)".
```

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

SPSS Syntax

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

GLYHB3G2: (D) Glycated haemoglobin (%) 3 groups
    1 Under 6.5
    2 6.5 to 7.4
    3 7.5 or over.

SPSS Syntax

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

GLYHBHI2: (D) Raised Glycated haemoglobin (%)
    1 Not raised (under 6.5)
    2 Raised (6.5 or over)

SPSS Syntax

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

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

SPSS Syntax

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

GLYHB3GA: (D) Glycated haemoglobin 3 groups (comparable with pre-September 2013)
    1   Under 6.5
    2   6.5 to 7.4
    3   7.5 or over

SPSS Syntax

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

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

SPSS Syntax

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

iffcvalag4: (D) Glycated haemoglobin (mmol/mol) 4 groups (comparable with pre-September 2013)

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

SPSS Syntax

```
recode iffcvala (54 thru hi = 4) (48 thru 53 = 3) (42 thru 47 = 2) (0 thru 41 = 1) (else = copy) into
iffcvalag4.
value labels iffcvalag4
-1 "Not applicable"
1 "<42mmol/mol"
2 "42-47mmol/mol"
3 "48-53mmol/mol"
4 "54+mmol/mol".
variable label iffcvalag4 "(D) Glycated haemoglobin (mmol/mol) 4 groups (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

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 omdiast omsyst ommap 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): all prescribed drugs for BP (Omron readings) {revised}
    1   BP under 160/100 and/or taking medication
    2   BP 160/100 or above and not taking medication

SPSS syntax

```
recode 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'.
```

Hyptreat: (D) Hypertensive untreated: all prescribed drugs for BP (Omron readings) {revised}
    1 Normotensive, hypertensive controlled and hypertensive uncontrolled
    0 Hypertensive untreated

SPSS syntax

```
compute hyptreat=hy140om2.
recode hyptreat  (2 thru 3=1)  (4=0).
variable labels Hyptreat "(D) Hypertensive untreated: all prescribed drugs for BP (Omron readings)
{revised}".
add value labels Hyptreat
-7 "Refused, attempted but not obtained, not attempted"
-1 "Not applicable"
1 "Normotensive, hypertensive controlled and hypertensive uncontrolled"
0 "Hypertensive untreated".
```

omsysvalg5: (D) SBP in 5 groups
    1 <115mmHg
    2 115-129mmHg
    3 130-139mmHg
    4 140-159mmHg
    5 160+ mmHg

SPSS syntax

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

Drinking

Adults General

DNOFT3_19: (D) Frequency drunk alcohol in past 12 months: including non-drinkers (16yrs+)

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

```
SPSS Syntax

compute dnoft3 19=dnoft 19.
recode dnany_19(2=8)(-9,-8=COPY) into dnoft3_19.
recode dnnow_19 (-9,-8=COPY) into dnoft3_19.
variable labels dnoft3_19 "(D) Frequency drunk alcohol in past 12 months: including non-drinkers
(16yrs+)".
value labels dnoft3_19
  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_19: (D) Drunk alcohol in last 12 months, binary

  1 No
  2 Yes

```
SPSS Syntax

COMPUTE DrinkYN_19=-99.
RECODE dnoft3_19 (1 thru 7=2) (8=1) (else=copy) INTO drinkYN_19.
VARIABLE LABELS drinkYN_19 "(D) Drunk alcohol in last 12 months, binary".
VALUE LABELS drinkYN_19
-1 'Not applicable'
-8 "Don't know"
-9 'Refused'
 1 'No'
 2 "Yes".
```

NORBOT_19: (D) Normal beer bottle multiplier (16 yrs+)
STRBOT_19: (D) Strong beer bottle multiplier (16yrs+)

```
SPSS Syntax

COMPUTE norbot_19=0.
IF L7NCod_19>=0 norbot_19=L7NCod_19*2.5.  COMPUTE strbot_19=0.
IF L7SCod_19>=0 strbot_19=L7SCod_19*4. exe.
VARIABLE LABELS norbot_19 "(D) Normal beer bottle multiplier (16yrs+)".
VARIABLE LABELS strbot_19 "(D) Strong beer bottle multiplier (16yrs+)".
```

Adults 7 Days

D7MANY3_19: (D) Number of days drank in last week, including none

SPSS Syntax

```
compute d7many3_19=d7many_19.
if any(2,dnany_19,d7day_19) d7many3_19=0.
if dnoft3_19=8 d7many3_19=0.
variable labels d7many3_19 "(D) Number of days drank in last week, including none".
```

D7UNITWG_19: (D) Units drunk on heaviest day in last 7 (16yrs+)
D7UNITWGRP_19: (D) Units drunk on heaviest day in last 7 (16yrs+)
            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_19=0.
IF (nberpt7_19>0) d7unitwg_19=d7unitwg_19+nberpt7_19*2.
IF (nbersm7_19>0) d7unitwg_19=d7unitwg_19+nbersm7_19*1.5.
IF (nberlg7_19>0) d7unitwg_19=d7unitwg_19+nberlg7_19 *2.
IF (nberbt7_19>0) d7unitwg_19=d7unitwg_19+nberbt7_19*norbot_19.
IF (sberpt7_19>0) d7unitwg_19=d7unitwg_19+sberpt7_19*4.
IF (sbersm7_19>0) d7unitwg_19=d7unitwg_19+sbersm7_19*2.
 IF (sberbt7_19>0) d7unitwg_19=d7unitwg_19+sberbt7_19*strbot_19.
IF (sberlg7_19>0) d7unitwg_19=d7unitwg_19+sberlg7_19*3.
IF (spirme7_19>0) d7unitwg_19=d7unitwg_19+spirme7_19.
IF (shergs7_19>0) d7unitwg_19=d7unitwg_19+shergs7_19.
 IF (wgl250ml_19>0) d7unitwg_19=d7unitwg_19+wgl250ml_19*3.0.
IF (wgl175ml_19>0) d7unitwg_19=d7unitwg_19+wgl175ml_19*2.0.
 IF (wgl125ml_19>0) d7unitwg_19=d7unitwg_19+wgl125ml_19*1.5.
 IF (wbtlgz_19>0) d7unitwg_19=d7unitwg_19+wbtlgz_19*1.5.
If (wgldk 19>0) d7unitwg 19=d7unitwg 19+wgldk 19* 2.0.
IF (popssc7_19>0) d7unitwg_19=d7unitwg_19+popssc7_19*1.5.
if (popsbt7_19>0) d7unitwg_19=d7unitwg_19+popsbt7_19*1.5.
IF (popslg7_19>0) d7unitwg_19=d7unitwg_19+popslg7_19*3.
 IF ANY(-9,nbersm7_19,nberlg7_19, nberbt7_19,nberpt7_19,
 sbersm7 19,sberlg7 19,sberbt7 19,sberpt7 19,spirme7 19, shergs7 19,
  wgl250ml_19,wgl175ml_19,wgl125ml_19,wbtlgz_19, wgldk_19, popssc7_19,popslg7_19, popsbt7_19)
d7unitwg_19=-9.
IF ANY(-8,nbersm7_19,nberlg7_19, nberbt7_19,nberpt7_19,
 sbersm7_19,sberlg7_19,sberbt7_19,sberpt7_19,spirme7_19, shergs7_19,
  wgl250ml_19,wgl175ml_19,wgl125ml_19,wbtlgz_19, wgldk_19, popssc7_19,popslg7_19, popsbt7_19)
d7unitwg_19=-8.
IF any(d7day_19,2,-1) d7unitwg_19=-1.
exe.

recode d7unitwg_19 (0 thru 2=1)(2 thru 3=2)(3 thru 4=3)(4 thru 5=4)(5 thru 6=5)(6 thru 8=6)(8 thru hi=7)
(else=copy) into d7unitwgrp_19 .
VARIABLE LABELS d7unitwg_19 d7unitwgrp_19 "(D) Units drunk on heaviest day in last 7 (16yrs+)".
value labels d7unitwgrp_19  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+".
```

WDRINK7B_19: (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 wdrink7B 19=-5.
DO if sex=2.
recode d7unitwgrp_19 (6 thru 7=3)(3 thru 5=2)(1 thru 2=1)
 (else=copy) into wdrink7B_19.
recode d7many3_19 (0=0) into wdrink7B_19.
 END if.
variable labels wdrink7B_19 "(D) Women number of units".
value labels wdrink7B_19 -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'.
```

MDRINK7B_19: (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 mdrink7B_19=-5.
DO if sex=1.
recode d7unitwgrp_19 (7=3)(4 thru 6=2)(1 thru 3=1)
 (else=copy) into mdrink7B_19.
recode d7many3_19 (0=0) into mdrink7B_19.
END if.
variable labels mdrink7B_19 "(D) Men number of units".
value labels mdrink7B_19 -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'.
```

ALCLIMIT7B_19: (D) Alcohol units – limits based on (variable d7unitwgrp) units per day

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

SPSS Syntax

```
COMPUTE alclimit7B_19 =-1.
if (mdrink7B_19=0) alclimit7B_19 =0.
IF (mdrink7B_19=1) alclimit7B_19 =1.
IF mdrink7B_19=2 alclimit7B_19 =2.
IF mdrink7B_19=3 alclimit7B_19 =3.
if (wdrink7B_19=0) alclimit7B_19 =0.
IF (wdrink7B_19=1) alclimit7B_19 =1.
IF wdrink7B_19=2 alclimit7B_19 =2.
IF wdrink7B_19=3 alclimit7B_19 =3.
if ((wdrink7B_19=-8|wdrink7B_19=-9|wdrink7B_19=-1) and (mdrink7B_19=-1|mdrink7B_19=-9|mdrink7B_19=-8))
alclimit7B_19 =-1.
EXE.
VAR LAB alclimit7B_19 "(D) Alcohol units - limits based on (variable d7unitwgrp ) units per day".
VAL LAB alclimit7B_19
-1 'Not Applicable' 0 'None' 1 '<=4 units/day (men), <=3 (women)'
2 '>4 and <= 8 (men), >3 and less than or equal to 6 (women)'
3 'Greater than 8 units (men), greater than 6 units (women)'.
```

D7BEERU_19: (D) Units of normal beer on heaviest day

SPSS Syntax

```
COMPUTE d7beeru_19=0.
IF (nbersm7_19>0) d7beeru_19=d7beeru_19+nbersm7_19*1.5.
IF (nberlg7_19>0) d7beeru_19=d7beeru_19+nberlg7_19*2.
IF (nberbt7_19>0) d7beeru_19=d7beeru_19+nberbt7_19*norbot_19.
IF (nberpt7_19>0) d7beeru_19=d7beeru_19+nberpt7_19*2.
IF d7unitwg_19<= 0 d7beeru_19 = d7unitwg_19 .
VARIABLE LABELS d7beeru_19"(D) Units of normal beer on heaviest day".
```

D7SBU_19: (D) Units of strong beer on heaviest day

SPSS Syntax

```
COMPUTE d7sbu_19=0.
IF (sberpt7_19>0) d7sbu_19=d7sbu_19+sberpt7_19*4.
IF (sbersm7_19>0) d7sbu_19=d7sbu_19+sbersm7_19*2.
IF (sberbt7_19>0) d7sbu_19=d7sbu_19+sberbt7_19*strbot_19.
IF (sberlg7_19>0) d7sbu_19=d7sbu_19+sberlg7_19*3.
if d7unitwg_19<= 0 d7sbu_19 = d7unitwg_19.
VARIABLE LABELS d7sbu_19"(D) Units of strong beer on heaviest day".
```

D7SPIRU_19: (D) Units of spirits on heaviest day

SPSS Syntax

```
compute d7spiru_19=0 .
IF (spirme7_19>0) d7spiru_19=spirme7_19.
if d7unitwg_19<= 0 d7spiru_19 = d7unitwg_19.
VARIABLE LABELS d7spiru_19 "(D) Units of spirits on heaviest day".
```

D7WINU_19: (D) Units of wine on heaviest day

SPSS Syntax

```
compute d7winu_19=0 .
IF (wgl250ml_19>0) d7winu_19=d7winu_19+wgl250ml_19*3.0.
IF (wgl175ml_19>0) d7winu_19=d7winu_19+wgl175ml_19*2.0.
IF (wgl125ml_19>0) d7winu_19=d7winu_19+wgl125ml_19*1.5.
IF (wbtlgz_19>0) d7winu_19=d7winu_19+wbtlgz_19*1.5.
if (wgldk_19>0) d7winu_19=d7winu_19+wgldk_19*2.0.
if d7unitwg_19<= 0 d7winu_19 = d7unitwg_19 .
VARIABLE LABELS d7winu_19" (D) Units of wine on heaviest day".
```

D7SHERU_19: (D) Units of sherry on heaviest day

SPSS Syntax

```
compute d7sheru_19=0 .
IF (shergs7_19>0) d7sheru_19=shergs7_19.
if d7unitwg_19<= 0 d7sheru_19 = d7unitwg_19.
VARIABLE LABELS d7sheru_19 "(D) Units of sherry on heaviest day".
```

D7POPU_19: (D) Units of alcopops on heaviest day

SPSS Syntax

```
compute d7popu_19=0 .
IF (popssc7_19>0) d7popu_19=d7popu_19+popssc7_19*1.5.
IF (popslg7_19>0) d7popu_19=d7popu_19+popslg7_19*3.
if (popsbt7_19>0) d7popu_19=d7popu_19+popsbt7_19*1.5.
if d7unitwg_19<= 0 d7popu_19 = d7unitwg_19.
exe.
VARIABLE LABELS d7popu_19 "(D) Units of alcopops on heaviest day".
```

Adults 12 months

NBEERWU_19: (D) Units of normal beer/week
SBEERWU_19: (D) Units of strong beer/week
SPIRWU_19: (D) Units of spirits/week
SHERWU_19: (D) Units of sherry/week
WINEWU_19: (D) Units of wine/week
POPSWU_19: (D) Units of alcopops/week

Variables with 'x' as a prefix are temporary variables and are not in the archive dataset

SPSS Syntax

```
compute xnbeer_19=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_19.
else if cnbeer > 0.
RECODE cnbeer (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xnbeer_19.
end if .
compute xsbeer_19=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_19.
else if csbeer>0 .
RECODE csbeer (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xsbeer_19.
end if .
compute xspir_19=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_19.
else if CSpirits>0 .
RECODE CSpirits (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xspir_19.
end if .
compute xsher_19=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_19.
else if csherry>0 .
RECODE csherry (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xsher_19.
end if .
COMPUTE xwine_19=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_19.
else if cwine>0 .
RECODE cwine (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xwine_19.
end if .
compute xpops_19=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_19.
else if cpops>0 .
RECODE cpops (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xpops_19.
end if .

COMPUTE nbeerwu_19=0.
*CAPI variables .
if (NBeerM191 > 0) nbeerwu_19=nbeerwu_19+(xnbeer_19*nbeerq19a*2).
if (NBeerM192 > 0) nbeerwu_19=nbeerwu_19+(xnbeer_19*nbeerq19b*1.5).
if (NBeerM193 > 0) nbeerwu_19=nbeerwu_19+(xnbeer_19*nbeerq19c*2)..
if (NBeerM194 > 0) nbeerwu_19=nbeerwu_19+(xnbeer_19*nbeerq19d*1.5).
* CASI variables

if (CNBeerM1 > 0) nbeerwu_19=nbeerwu_19+(xnbeer_19*Cnbeerqa*2).
if (CNBeerM2 > 0) nbeerwu_19=nbeerwu_19+(xnbeer_19*CNbeerqb*1.5).
if (CNBeerM3 > 0) nbeerwu_19=nbeerwu_19+(xnbeer_19*CNbeerqc*2).
if (CNBeerM4 > 0) nbeerwu_19=nbeerwu_19+(xnbeer_19*CNbeerqd*1.5).
exe.

COMPUTE sbeerwu_19=0.
*CAPI variables .
if (sbeerm191 > 0) sbeerwu_19=sbeerwu_19+(xsbeer_19*sbeerq19a*4).
if (sbeerm192 > 0) sbeerwu_19=sbeerwu_19+(xsbeer_19*sbeerq19b*2).
if (sbeerm193 > 0) sbeerwu_19=sbeerwu_19+(xsbeer_19*sbeerq19c*3).
if (sbeerm194 > 0) sbeerwu_19=sbeerwu_19+(xsbeer_19*sbeerq19d*2).
*CASI variables

if (csbeerm1 > 0) sbeerwu_19=sbeerwu_19+(xsbeer_19*csbeerqa*4).
if (csbeerm2 > 0) sbeerwu_19=sbeerwu_19+(xsbeer_19*csbeerqb*2).
if (csbeerm3 > 0) sbeerwu_19=sbeerwu_19+(xsbeer_19*csbeerqc*3).
if (csbeerm4 > 0) sbeerwu_19=sbeerwu_19+(xsbeer_19*csbeerqd*2).
exe.

COMPUTE spirwu_19=0.
if (spiritsq>0) spirwu_19=spirwu_19+(xspir_19*spiritsq).
if (CSpiritsQ>0) spirwu_19=spirwu_19+(xspir_19*CSpiritsQ).
exe.

COMPUTE sherwu_19=0.
if (sherryq>0) sherwu_19=sherwu_19+(xsher_19*sherryq).
if (csherryq>0) sherwu_19=sherwu_19+(xsher_19*csherryq).
exe.

compute winewu_19=0 .
if bwineq2=1 winewu_19=winewu_19+(xwine_19*wineq*1.5) .
if bwineq2=2 winewu_19=winewu_19+(xwine_19*wineq*2) .
if bwineq2=3 winewu_19=winewu_19+(xwine_19*wineq*3) .
if bwineq2=4 winewu_19=winewu_19+(xwine_19*wineq*9) .
 * casi vars - have to break up glasses as two seperate questions - how many glasses and then size of
glass

if (CWineQ1 =1)  winewu_19=winewu_19+(xwine_19*CWineQBt*9).
 if (CWineQ2=1 and CBWineQ19  = 1) winewu_19=winewu_19+(xwine_19*CWineQGl*1.5).
 if (CWineQ2=1  and CBWineQ19 = 2) winewu_19=winewu_19+(xwine_19*CWineQGl*2).
if (CWineQ2=1 and CBWineQ19=  3) winewu_19=winewu_19+(xwine_19*CWineQGl*3).
exe.

COMPUTE popswu_19=0.
*CAPI variables .
if (popsly11>0) popswu_19=popswu_19+(xpops_19*popsq111*1.5).
if (popsly12>0) popswu_19=popswu_19+(xpops_19*popsq112*1.5).
if (popsly13>0) popswu_19=popswu_19+(xpops_19*popsq113*3).
*casi variables .
if (CPopsLy11>0) popswu_19=popswu_19+(xpops_19*CPopsq111*1.5).
```

```
if (CPopsLy12>0) popswu_19=popswu_19+(xpops_19*CPopsq112*1.5).
if (CPopsLy13>0) popswu_19=popswu_19+(xpops_19*CPopsq113*3).
exe.

DO IF dnnow_19=-9 | dnany_19=-9.
DO REPEAT xmiss=nbeerwu_19 sbeerwu_19 spirwu_19 sherwu_19 winewu_19 popswu_19.
COMPUTE xmiss=-9.
END REPEAT.
END IF.
DO IF dnnow_19=-8 | dnany_19=-8.
DO REPEAT xmiss=nbeerwu_19 sbeerwu_19 spirwu_19 sherwu_19 winewu_19 popswu_19.
COMPUTE xmiss=-8.
END REPEAT.
END IF.
EXECUTE.
IF ANY(-9,nbeer,nbeerm191,nbeerm192, nbeerm193, nbeerm194, nbeerq19a, nbeerq19b, nbeerq19c, nbeerq19d)
nbeerwu_19=-9.
IF ANY(-8,nbeer,nbeerm191,nbeerm192, nbeerm193, nbeerm194, nbeerq19a, nbeerq19b, nbeerq19c, nbeerq19d)
nbeerwu_19=-8.
if any (-9, cnbeer, cnbeerm1, cnbeerm2, cnbeerm3, cnbeerm4, cnbeerqa, cnbeerqb, cnbeerqc, cnbeerqd )
nbeerwu_19=-9 .
if any (-8,cnbeer, cnbeerm1, cnbeerm2, cnbeerm3, cnbeerm4, cnbeerqa, cnbeerqb, cnbeerqc, cnbeerqd) or
cnbeerM98 = 1 nbeerwu_19=-8 .
if any(98, cnbeer, Cnbeerqa, Cnbeerqb, Cnbeerqc, Cnbeerqd) nbeerwu_19=-8. /* casi 98s added in for
quantities - code to -8 in DV.
exe.
IF ANY(-9,sbeer,sbeerm191,sbeerm192, sbeerm193, sbeerm194, sbeerq19a, sbeerq19b, sbeerq19c, sbeerq19d)
sbeerwu_19=-9.
IF ANY(-8,sbeer,sbeerm191,sbeerm192, sbeerm193, sbeerm194, sbeerq19a, sbeerq19b, sbeerq19c, sbeerq19d)
sbeerwu_19=-8.
if any (-9, csbeer, csbeerm1, csbeerm2, csbeerm3, csbeerm4, csbeerqa, csbeerqb, csbeerqc, csbeerqd )
sbeerwu_19=-9 .
if any (-8, csbeer, csbeerm1, csbeerm2, csbeerm3, csbeerm4, csbeerqa, csbeerqb, csbeerqc, csbeerqd) or
csbeerm98 =1 sbeerwu_19=-8 ./* casi var for don't know added in .
if any(98, csbeer, csbeerqa, csbeerqb, csbeerqc, csbeerqd) sbeerwu_19=-8.
exe.
IF ANY(-9,spirits,spiritsq) spirwu_19=-9.
IF ANY(-8,spirits,spiritsq) spirwu_19=-8.
IF ANY(-9,cspirits,cspiritsq) spirwu_19=-9.
IF ANY(-8,cspirits,cspiritsq) spirwu_19=-8.
if cspiritsQ =98 or cspirits = 98 spirwu_19=-8.
IF ANY(-9,sherry,sherryq) sherwu_19=-9.
IF ANY(-8,sherry,sherryq) sherwu_19=-8.
IF ANY(-9,csherry,csherryq) sherwu_19=-9.
IF ANY(-8,csherry,csherryq) sherwu_19=-8.
if CSherryq =98 or Csherry =98 sherwu_19=-8.
IF ANY(-9,wine,bwineq2,wineq) winewu_19=-9.
IF ANY(-8,wine,bwineq2,wineq) winewu_19=-8.
IF ANY(-9,cwine,cwineq1, cwineq2, CWineQBt, CWineQGl, CBWineQ19) winewu_19=-9.
IF ANY(-8,cwine,cwineq1, cwineq2, CWineQBt, CWineQGl, CBWineQ19) or cwineq98 = 1 winewu_19=-8. /*/ casi
var for don't know added in
if any(98, Cwine, CBWineQ19, CWineQBt, CWineQGl) winewu_19=-8.
exe.
IF ANY(-9,pops,popsly11,popsly12,popsly13,popsq111,popsq112,popsq113) popswu_19=-9.
IF ANY(-8,pops,popsly11,popsly12,popsly13,popsq111,popsq112,popsq113) popswu_19=-8.
IF ANY(-9,cpops, CPopsLY11, CPopsLY12, CPopsLY13, CPopsQ111, CPopsQ112, CPopsQ113) popswu_19=-9.
IF ANY(-8,cpops, CPopsLY11, CPopsLY12, CPopsLY13, CPopsQ111, CPopsQ112, CPopsQ113) or cpopsLY198  =1
popswu_19=-8.
if any(98, cpops,  CPopsQ111, CPopsQ112, CPopsQ113) popswu_19=-8.
if age<16 nbeerwu_19=-1 .
if age<16 sbeerwu_19=-1 .
if age<16 spirwu_19=-1 .
if age<16 sherwu_19=-1 .
if age<16 winewu_19=-1 .
if age<16 popswu_19=-1 .
exe .

VARIABLE LABELS
   Nbeerwu_19 "(D) Units of normal beer/week"
   Sbeerwu_19 "(D) Units of strong beer/week"
   Spirwu_19 "(D) Units of spirits/week"
   Sherwu_19 "(D) Units of sherry/week"
   Winewu_19 "(D) Units of wine/week"
   Popswu_19 "(D) Units of alcopops/week".

add value labels nbeerwu_19 sbeerwu_19 spirwu_19 sherwu_19  winewu_19  popswu_19
-9 "Refused/not answered"
-8 "Don't know"
-1 "Item not applicable".
```

TOTALWU_19: (D) Total units of alcohol/week

```
SPSS Syntax

COMPUTE totalwu_19=0.
IF (nbeerwu_19>0) totalwu_19=totalwu_19+nbeerwu_19.
IF (sbeerwu_19>0) totalwu_19=totalwu_19+sbeerwu_19.
IF (spirwu_19>0) totalwu_19=totalwu_19+spirwu_19.
IF (sherwu_19>0) totalwu_19=totalwu_19+sherwu_19.
IF (winewu_19>0) totalwu_19=totalwu_19+winewu_19.
IF (popswu_19>0) totalwu_19=totalwu_19+popswu_19.
IF ANY(-9,nbeerwu_19,sbeerwu_19,spirwu_19,sherwu_19,winewu_19,popswu_19) totalwu_19=-9.
IF ANY(-8,nbeerwu_19,sbeerwu_19,spirwu_19,sherwu_19,winewu_19,popswu_19) totalwu_19=-8.
IF ANY(-1,nbeerwu_19,sbeerwu_19,spirwu_19,sherwu_19,winewu_19,popswu_19) totalwu_19=-1.

** added FEb 2014**. codes those who said didn't drink in the last year to -8

IF (nbeer=8 & sbeer=8 & spirits=8 & sherry=8 & wine=8 & pops=8) totalwu_19=-8 .
IF (cnbeer=8 & csbeer=8 & cspirits=8 & csherry=8 & cwine=8 & cpops=8) totalwu_19=-8 .
IF age<16 totalwu_19=-1.
exe.

VARIABLE LABELS totalwu_19 "(D) Total units of alcohol/week".
value label totalwu_19 -9 "Refused/not answered" -8 "Don't know" -1 "Item not applicable".
```

TOTALWUG_19: (D) Alcohol units per week – grouped (based on alcbase)

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_19=alcbase_19.
if range(alcbase_19,1,3) totalwug_19=0 .
if alcbase_19>3 totalwug_19=alcbase_19-3.
if dnoft_19=8 totalwug_19=0 .
exe.
VARIABLE LABELS totalwug_19 "(D) Alcohol units per week grouped (based on alcbase)".
VALUE LABELS totalwug_19
  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".
```

TOTALWUG5_19: (D) Alcohol units per week grouped (based on alcbase)

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

```
SPSS Syntax

recode totalwug_19 (1 thru 4 = 1) (5=2) (6 thru 7 = 3)  (8=4) (9=5) (else = copy) into totalwug5_19.
variable labels TOTALWUG5_19 "(D) Alcohol units per week grouped(based on alcbase)".
 Add value labels totalwug5_19 0 "Non-drinker/not in last 12 months"
1 "Over 0, under 14"
2 "14-21"
3 "21-35"
4 "Over 35-50"    5 "Over 50".
```

TOTALWUG2_19: (D) Alcohol units per week - risk groups (2016 guidelines for men) (based on alcbase)

- 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 totalwug2_19 = -99 .
if (totalwug_19 <= 0) totalwug2_19 = totalwug_19 .
if sex = 1 & range(totalwug_19, 1, 4) totalwug2_19 = 1 .
if sex = 1 & range(totalwug_19, 5, 8) totalwug2_19 = 2 .
if sex = 1 & totalwug_19 = 9 totalwug2_19 = 3 .
if sex = 2 & range(totalwug_19, 1, 4) totalwug2_19= 1 .
if sex = 2 & range(totalwug_19, 5, 7) totalwug2_19 = 2 .
if sex = 2 & range(totalwug_19,8, 9) totalwug2_19 = 3 .
exe.
var lab totalwug2_19 '(D) Alcohol units per week - risk groups (2016 guidelines for men) (based on
alcbase)' .
add val lab totalwug2_19 -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 to 14 units)'
   2 'Increased risk (14-50/14-35)'
   3 'Higher risk (more than 50/35)' .
```

ALCBASE_19: (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_19 (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_19.
exe.
RECODE dnevr_19(1=1)(2=2) INTO alcbase_19.
IF ANY(-9,totalwu_19,dnnow_19,dnany_19,dnevr_19) alcbase_19=-9.
IF ANY(-8,totalwu_19,dnnow_19,dnany_19,dnevr_19) alcbase_19=-8.
IF ANY(-1,totalwu_19,dnnow_19) alcbase_19=-1.
exe.
VARIABLE LABELS alcbase_19 "(D) Alcohol consumption rating units/week".
VALUE LABELS alcbase_19   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_19: (D) Alcohol consumption: men (2016 guidelines) (based on alcbase)

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

SPSS Syntax

```
DO IF (sex=1).
RECODE alcbase_19 (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 alcbsmt_19 .
END IF .
if sex = 2 alcbsmt_19 = -1.
exe.
VARIABLE LABELS alcbsmt_19 "(D) Alcohol consumption: men (2016 guidelines) (based on alcbase)" .
VALUE LABELS alcbsmt_19
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".
```

ALCBSWT_19: (D) Alcohol consumption: women (based on alcbase)

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_19 (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_19 .
END IF .
IF (sex=1) alcbswt_19=-1 .
VARIABLE LABELS alcbswt_19 "(D) Alcohol consumption: women(based on alcbase)" .
VALUE LABELS alcbswt_19
  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_19: (D) Weekly alcohol consumption: men (2016 guidelines) (based on totalwu)

0 Non-drinker/not in 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_19 (0=0) (1=1) (2=2) (3 thru 4=3) (5 thru 7=4) (8=5) (9=6) (else=COPY) INTO menwug_19 .
END IF .
if sex =2 menwug_19 = -1.
exe.
VARIABLE LABELS menwug_19 "(D) Weekly alcohol consumption: men(2016 guidelines) (based on totalwu) " .
VALUE LABELS menwug_19
0  "Non-drinker/not in 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".
```

MENWUg2_19: (D) Weekly alcohol consumption for men, 3 groups (2016 guidelines) (based on totalwu)

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

SPSS Syntax

```
COMPUTE MenWUg2_19=-99.
RECODE MenWug_19 (0 thru 3=1)(4 thru 5=2)(6=3)(else=copy) into MenWUg2_19.
VARIABLE LABELS MenWUg2_19 "(D) Weekly alcohol consumption for men, 3 groups (2016 guidelines) (based on
totalwu) ".
VALUE LABELS MenWUg2_19
-1 'Not applicable'
-8 "Don't know"
-9 'Refuse'
 1 'None/Up to 14 units'
 2 '14-50'
 3 'More than 50 units'.
```

WOMENWUG_19: (D) Weekly alcohol consumption: women (based on totalwu)

  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_19 (0=0) (1=1) (2=2) (3 thru 4=3) (5=4) (6 thru 7=5) (8 thru 9=6) (else=COPY) INTO
womenwug_19.
END IF .
IF (sex=1) womenwug_19=-1 .
exe.
VARIABLE LABELS womenwug_19 "(D) Weekly alcohol consumption: women (based on totalwu)" .
VALUE LABELS womenwug_19
  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'.
```

WOMWUg2_19: (D) Weekly alcohol consumption for women, 3 groups (based on totalwu)

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

SPSS Syntax

```
COMPUTE WomWUg2_19=-99.
RECODE WomenWug_19  (0 thru 3=1) (4 thru 5=2) (6=3) (else=copy) into WomWUg2_19.
VARIABLE LABELS WomWUg2_19 "(D) Weekly alcohol consumption for Women, 3 groups (based on totalwu)".
VALUE LABELS WomWUg2_19
-1 'Not applicable'
-8 "Don't know" -9 'Refused'  1 'None/Up to 14 units'  2 '14-35'  3 'More than 35 units'.
```

Children 8-15

AEVDRINK: (D) Ever had proper alcoholic drink, including alcopops

  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'.
add value labels aevdrink 1 'Yes' 2 'No'
-1 'Item not applicable' -9 'No answer/refused'.
```

Children 13-15

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

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

SPSS Syntax

```
COMPUTE xxber2q = 0 .
RECODE aber2w (-2=-2)(-1,-9,2=-1)(-6=-6) INTO xxber2q.
IF (aber2w = 1 & aber2qpt > 0) xxber2q = xxber2q + (aber2qpt * 2) . /* PINT
IF (aber2w = 1 & aber2qlg > 0) xxber2q = xxber2q + (aber2qlg * 2) . /* large can or bottle
IF (aber2w = 1 & aber2qsm > 0) xxber2q = xxber2q + aber2qsm . /* small can - shouldn't it be 1.5?
IF (xxber2q=0) xxber2q=-9.
```

```
exe.

COMPUTE xxpopsq = 0 .
RECODE apopsw (-2=-2)(-1,-9,2=-1)(-6=-6) INTO xxpopsq.
IF (apopsw = 1 & apopsqsm > 0) xxpopsq = xxpopsq + (apopsqsm*1.5). /* small cans or bottles
IF (apopsw = 1 & apopsqlg > 0) xxpopsq = xxpopsq + (apopsqlg*3). /* large cans or bottles
IF (xxpopsq =0) xxpopsq =-9.
exe.

COMPUTE xxber2q2 = xxber2q .
COMPUTE xxpopsq2 = xxpopsq .
COMPUTE xxspirq = aspirqgs.
COMPUTE xxsherq = asherqgs.
COMPUTE xxwineq = awineqgs.

IF (xxber2q = -9 & sex = 1) xxber2q2 = 4.4000.
IF (ANY(aspirqgs,-9,0) & sex = 1) xxspirq = 2.8000.
IF (ANY(asherqgs,-9,0) & sex = 1) xxsherq = 0.
IF (ANY(awineqgs,-9,0) & sex = 1) xxwineq= 2.0000.
IF (xxpopsq = -9 & sex = 1) xxpopsq2 = 5.2500.

IF (xxber2q = -9 & sex = 2) xxber2q2 = 2.6000.
IF (ANY(aspirqgs,-9,0) & sex = 2) xxspirq = 1.4000.
IF (ANY(asherqgs,-9,0) & sex = 2) xxsherq = 0.
IF (ANY(awineqgs,-9,0) & sex = 2) xxwineq=1.3333.
IF (xxpopsq = -9 & sex = 2) xxpopsq2 =3.5000.
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: (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

```
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".
```

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

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

```
SPSS Syntax

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

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.
Exe.
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'.
```

Use of services

DocTalkG: (D) Number of times seen a GP in the last 12 months, 3 groups (only those registered with a GP)
        1   Did not see a GP
        2   Saw a GP once or twice
        3   Saw a GP 3+ times

SPSS Syntax

```
recode  DocTalkYr (lo thru -1 = copy) (1=1) (2=2) (3 thru hi = 3) into DocTalkG.
Exe.
Variable labels DocTalkG  "(D) Number of times seen a GP in the last 12 months, 3 groups (only those
registered with a GP)".
Add value labels DocTalkG
1 "Did not see a GP"
2 "Saw a GP once or twice"
3 "Saw a GP 3+ times".
```

DocTalkG4: (D) Number of times seen a GP in the last 12 months, 3 groups (including those not registered with GP)
        1   Did not see a GP
        2   Saw a GP once or twice
        3   Saw a GP 3+ times
        4   Not registered with a GP

SPSS Syntax

```
recode  DocTalkYr (lo thru -1 = copy) (1=1) (2=2) (3 thru hi = 3) into DocTalkG4.
iF GPReg = 2 DocTalkG4 =4.
Exe.
Variable labels DocTalkG4 "(D) Number of times seen a GP in the last 12 months, 3 groups (including those
not registered with GP)".
Add value labels DocTalkG4
1 "Did not see a GP"
2 "Saw a GP once or twice"
3 "Saw a GP 3+ times"
4 "Not registered with a GP".
```

DocSeenY: (D) Reason for seeing GP - all those registered with a GP (including those registered who have not seen GP in the last 12 months)

  1   Registered with a GP but did not see a GP in the last 12 months
  2   Saw GP for physical health problem
  3   Saw GP for mental health, nervous or emotional problem
  4   Saw GP for both types of problems

SPSS Syntax

```
RECODE docwhyyr (lo thru -1 =copy) (1=2) (2 =3) (3 =4) into DocSeenY.
if  DocTalkYr = 1 DocSeenY = 1.
if gpreg = 2 DocSeenY = -1.
Variable labels DocSeenY "(D) Reason for seeing GP - all those registered with a GP (including those
registered who have not seen GP in the last 12 months)".
Add value labels  DocSeenY
1 "Registered with a GP but did not see a GP in the last 12 months" 2 "Saw GP for physical health problem"
3    "Saw GP for mental health, nervous or emotional problem" 4 "Saw GP for both types of problems".
```

DocGroup: (D) Reasons for consulting doctor - 4 groups

  1   A physical health problem
  2   A mental health, nervous or emotional problem
  3   Both of these
  4   Did not consult GP in the last 12 months

SPSS Syntax

```
compute DocGroup=-99.
if (DocWhyYr=1) DocGroup=1.
if (DocWhyYr=2) DocGroup=2.
if (DocWhyYr=3) DocGroup=3.
if (DocTalkYr=1) DocGroup=4.
if any(DocTalkYr,-9,-8,-1) DocGroup=-1.
if any(DocWhyYr,-9,-8,-1) & range(DocTalkYr,2,5) DocGroup=-1.
exe.
Variable labels DocGroup "(D) Reasons for consulting doctor - 4 groups".
Value labels DocGroup 1 "A physical health problem"
2    "A mental health, nervous or emotional problem"
3    "Both of these"
4    "Did not consult GP in the last 12 months".
```

ThCoAny: (D) Any type of therapy or counselling in the last 12 months for a mental health, nervous or emotional problem

  0   Not mentioned
  1   Mentioned

SPSS Syntax

```
Count ThCoAnyX = ThCoUse1 ThCoUse2 ThCoUse3 ThCoUse4 ThCoUse5 ThCoUse6 ThCoUse7 ThCoUse8 ThCoUse9
ThCoUse10 (1).

Recode ThCoAnyx (0=0) (1 thru hi = 1) into ThCoAny.
if any(-1, ThCoUse1, ThCoUse2, ThCoUse3, ThCoUse4, ThCoUse5, ThCoUse6, ThCoUse7, ThCoUse8 ,ThCoUse9,
ThCoUse10) ThCoAny  = -1.
if any(-8, ThCoUse1, ThCoUse2, ThCoUse3, ThCoUse4, ThCoUse5, ThCoUse6, ThCoUse7, ThCoUse8 ,ThCoUse9,
ThCoUse10) ThCoAny  = -8.
if any(-9, ThCoUse1, ThCoUse2, ThCoUse3, ThCoUse4, ThCoUse5, ThCoUse6, ThCoUse7, ThCoUse8 ,ThCoUse9,
ThCoUse10) ThCoAny  = -9.
EXECUTE.
Variable labels ThCoAny "(D) Any type of therapy or counselling in the last 12 months for a mental health,
nervous or emotional problem".
Add value labels ThCoAny  0  "Not mentioned"  1  "Mentioned".
```

General Wellbeing

LIFESATG:(D) Overall, how satisfied with life nowadays - grouped
1 Low (0-4)
2 Medium (5-6)
3 High (7-8)
4 Very high (9-10)

SPSS Syntax

```
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)".
```

WEMWBS

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.
exe.
Variable labels "Wemwbs: (D) WEMWBS Score".
```

Long Lasting Illness

LIMLAST: (D) Limiting longlasting 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'.
```

LIMITILL: (D) Limiting longstanding illness
SPSS Syntax

```
COMPUTE limitill=-99.
DO IF any(indout,110,210).
  RECODE Ill12m (1=2) (2=3) (ELSE=COPY) INTO limitill.
  IF any(ReducAct,1,2) limitill=1.
END IF.
 Variable labels Limitill "(D) Limiting longstanding illness".
Add value labels Limitill 1   "Limiting LI" 2   "Non-limiting LI"
3     "No LI".
```

Prescribed Medicines: Drugs affecting blood analytes

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

```
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 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?

    0   No
    1   Yes

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

SPSS Syntax

```
DO REPEAT xtyp = medtyp1 TO medtyp14.
COMPUTE xtyp=0.
RECODE medcnj (2=0)(-9 thru -1=COPY) INTO xtyp.
END REPEAT.
DO REPEAT xmed= medbi01 medbi02 medbi03 medbi04 medbi05 medbi06 medbi07 medbi08 medbi09 medbi10
 medbi11 medbi12 medbi13 medbi14 medbi15 medbi16 medbi17 medbi18 medbi19 medbi20 medbi21 medbi22.
IF (RANGE(xmed,20101,21300)) medtyp1 = 1.
IF (RANGE(xmed,10101,10904)) medtyp2 = 1.
IF (RANGE(xmed,30101,31000)) medtyp3 = 1.
IF (RANGE(xmed,40101,41100)) medtyp4 = 1.
IF (RANGE(xmed,50101,50508)) medtyp5 = 1.
IF (RANGE(xmed,60101,60703)) medtyp6 = 1.
IF (RANGE(xmed,70201,70202,70401,70500)) medtyp7 = 1.
```

```
IF (RANGE(xmed,70300,70305)) medtyp14 = 1.
IF (RANGE(xmed,80101,80304)) medtyp8 = 1.
IF (RANGE(xmed,90101,90802)) medtyp9 = 1.
IF (RANGE(xmed,100101,100302)) medtyp10 = 1.
IF (RANGE(xmed,110101,110802,120101,120305)) medtyp11 = 1.
IF (RANGE(xmed,130100,131400)) medtyp12 = 1.
END REPEAT.
VARIABLE LABELS
medtyp1 '(D) Cardio-vascular medicine taken?'
medtyp2 '(D) Gastrointestinal medicine taken?'
medtyp3 '(D) Respiratory medicine taken?'
medtyp4 '(D) CNS medicine taken?'
medtyp5 '(D) Medicine for infection taken?'
medtyp6 '(D) Endocrine medicine taken?'
medtyp7 '(D) Gynae/Urinary medicine taken?'
medtyp8 '(D) Cytotoxic or immunosuppressive medicine taken?'
medtyp9 '(D) Medicine for nutrition/blood taken?'
medtyp10 '(D) Musculoskeletal medicine taken?'
medtyp11 '(D) Eye/Ear etc medicine taken?'
medtyp12 '(D) Medicine for skin taken?'
medtyp14 '(D) Contraception taken?' .
VALUE LABELS medtyp1 TO medtyp14    0 'No'     1 'Yes'.
```

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

    0   Doesn't take prescribed meds
    4   Four or more

SPSS Syntax
```
RECODE numed2 (4 thru hi=4)(ELSE=COPY) INTO numed.
VARIABLE LABEL numed2 '(D) Number of prescribed medicines taken' .
VARIABLE LABEL numed '(D) Number of prescribed medicines taken (grouped 4+)' .
VALUE LABELS numed2 0 "Doesn't take prescribed meds".
VALUE LABELS numed 0 "Doesn't take prescribed meds" 4 'Four or more'.
```

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

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

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

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

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

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

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

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

SPSS Syntax

```
NUMERIC MedsTakG8 (F3.0).
Recode MedsTak (8 thru hi=8) (ELSE=COPY) INTO MedsTakG8.
EXECUTE.
VARIABLE LABELS MedsTakG8 "(D) Grouped number of prescribed medications taken (8 groups)- incl
contraceptives & nicotine dependency drugs".
VALUE LABELS MedsTakG8
 -1 "Not applicable"
 -8 "Don't know/Refused"
  0 "None taken"
 1 "1 medication taken"
 2 "2 medications taken"
 3 "3 medications taken"
 4 "4 medications taken"
 5 "5 medications taken"
 6 "6 medications taken"
 7 "7 medications taken"
 8 "8 or more medications taken".
```

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

    0   None taken/only 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".
```

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

    0   None
    1   1 or 2
    2   3 or more

SPSS Syntax

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

CARDIOTAKG2: (D) Any prescribed cardiovascular medications taken in last 7 days (binary)
    0 No
    1 Yes,at least one.

SPSS Syntax

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

HYPERTAKG2: (D) Any prescribed antihypertensives taken in last 7 days, if has hypertension (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

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

LIPIDTAKG2: (D) Any prescribed lipid-lowering medications taken in last 7 days, (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

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

ANTIPLATAKG2: (D) Any prescribed antiplatelets taken in last 7 days, (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

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

ANALGTAKG2: (D) Any prescribed analgesics taken in last 7 days (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

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

PROTONTAKG2: (D) Any prescribed proton pump inhibitors taken in last 7 days (binary)
    0 No
    1 Yes,at least one

SPSS Syntax

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

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

    0 No
    1 Yes,at least one

SPSS Syntax

```
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

```
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

```
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

```
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

```
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

```
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 antiHypertensives taken in last 7 days regardless of Hypertension (binary)
     0 No
     1 Yes,at least one

SPSS Syntax

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

PHYSTAKg2: D) Any prescribed physical health medications taken in the last 7 days (binary)
SPSS Syntax

```
RECODE phystak (2 THRU HI=1)(ELSE=COPY) INTO phystakg2. Variable labels PHYSTAKg2 "(D) Any prescribed
physical health medications taken in the last 7 days (binary)".
Value labels Phystakg2 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 assessed general 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".
```

Eating disorder screener (SCOFF)

SCOFF2: (D) SCOFF Score grouped, 2+

    1   Score 0-1
    2   Score 2+

SPSS Syntax

```
Count SCOFF = SCFdLWgt SCFdSick SCFdCtrl SCFdBFat SCFdDom (1).

Recode SCOFF (0 thru 1 =1) (2 thru hi =2) into SCOFF2 .
if any(-1, SCFdLWgt, SCFdSick, SCFdCtrl, SCFdBFat, SCFdDom) SCOFF2 = -1.
if any(-8, SCFdLWgt, SCFdSick, SCFdCtrl, SCFdBFat, SCFdDom) SCOFF2 = -8.
if any(-9, SCFdLWgt, SCFdSick, SCFdCtrl ,SCFdBFat ,SCFdDom) SCOFF2 = -9.
exe.
Variable labels SCOFF2 "(D) SCOFF Score grouped, 2+".
Add value labels SCOFF2 1  "Score 0-1" 2  "Score 2+".
```

SCOFFIMP: (D) SCOFF Score grouped 2+ with significant impact

    1   Lower score and/or no impact
    2   Score of 2+ and significant impact

SPSS Syntax

```
Compute SCOFFIMP =-99.
if SCFdResp = 2 SCOFFIMP =1.
if  SCFdResp = 1 and SCOFF2 = 1 SCOFFIMP =1.
if SCOFF2 = 2 and SCFdResp = 1 SCOFFIMP = 2.
if any(-1, SCFdLWgt, SCFdSick, SCFdCtrl, SCFdBFat, SCFdDom, SCFdResp) SCOFFIMP  = -1.
if any(-8, SCFdLWgt, SCFdSick, SCFdCtrl, SCFdBFat, SCFdDom, SCFdResp) SCOFFIMP = -8.
if any(-9, SCFdLWgt, SCFdSick, SCFdCtrl ,SCFdBFat ,SCFdDom, SCFdResp)  SCOFFIMP  = -9.
EXE.
Variable labels SCOFFIMP "(D) SCOFF Score grouped 2+ with significant impact"
Valu elabels SCOFFIMP   1  "Lower score and/or no impact"
     2  "Score of 2+ and significant impact".
```

Cardiovascular disease

Blood Pressure

BP1: (D) Doctor diagnosed high blood pressure (excluding pregnant)
    1 Yes
    2 No

```
SPSS Syntax

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

Diabetes

DIABETE2: (D) Doctor diagnosed diabetes (excluding pregnant)
    1 Yes
    2 No

```
SPSS Syntax

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

DIABETE2R: (D) Doctor diagnosed diabetes (excluding pregnant) {revised}
    1 Yes
    2 No

```
SPSS Syntax

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

DIABTYPE: (D) Type of diabetes
    1 Diagnosed aged 35+ and/or not treated with insulin
    2 Not diabetic
    3 Diagnosed before the age of 35 and treated with insulin

```
SPSS Syntax

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

DIABTYPER: (D) Type of diabetes {revised}

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

```
SPSS Syntax

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

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

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

```
SPSS Syntax

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

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

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

```
SPSS Syntax

recode glyhbval (6.5 thru hi = 3) (0 thru 6.4 = 1) (else = copy) into diabete3r.
if glyhbval>0 and diabete2r = 1 diabete3r = 2.
if diabete2r<0 diabete3r = diabete2r.
add value labels diabete3r
 1 "No diabetes"   2 "Doctor diagnosed diabetes"  3 "Undiagnosed diabetes HbA1c>=6.5".
var label diabete3r "(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only
diabetes) {revised}".
```

DIABETE3RA: (D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised} (comparable with 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}(comparable with 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.
```

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

    1 No diabetes
    2 "Doctor diagnosed diabetes
    3 Undiagnosed diabetes HbA1c>=48mmol/l

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

    1 No diabetes
    2 Doctor diagnosed diabetes and or HbA1c >=48mmol/l

SPSS Syntax

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

* Grouped

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

Smoking

Adults General

CIGPIPENOW_19: (D) Current user of cigars or pipes, 16+yrs

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

SPSS Syntax

```
COMPUTE CigPipeNow_19=-99.
IF SmkEvr_19<0 CigPipeNow_19=SmkEvr_19.
IF SmkEvr_19=2 CigPipeNow_19=0.
IF SmkEvr_19=1 & ( (pipenow_19=2) | cigarnow_19=2) CigPipenow_19=1.
IF SmkEvr_19=1  & ( (pipenow_19=1) | cigarnow_19=1) CigPipenow_19=2.
if any(-9, pipenow_19, cigarnow_19) CigPipeNow_19=-9.
if any(-8, pipenow_19, cigarnow_19) CigPipeNow_19=-8.
IF range(age,0,15)  CigPipeNow_19=-1.
EXECUTE.
VARIABLE LABELS CigPipeNow_19 "(D) Current user of cigars or pipes, 16+yrs".
VALUE LABELS CigPipeNow_19
-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   "Currently smokes a cigar or pipe".
```

CIGST1_19: (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

```
compute cigst1_19 =-99.
IF any(2,cigevr_19,smkevr_19) cigst1_19=1.
RECODE cigreg_19 (3=1)(2=2)(1=3) INTO cigst1_19.
IF cignow_19=1 cigst1_19=4.
if cignow_19 = 2 and cigreg_19 = 4 cigst1_19 = -8.
IF ANY(-9,smkevr_19,cignow_19,cigevr_19,cigreg_19) cigst1_19=-9.
IF ANY(-8,smkevr_19,cignow_19,cigevr_19,cigreg_19) cigst1_19=-8.
IF smkevr_19=-1 cigst1_19=-1.
IF age<16 cigst1_19=-1.
EXECUTE.VARIABLE LABELS cigst1_19 "(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current".
VALUE LABELS cigst1_19
  1 "Never smoked cigarettes at all"   2 "Used to smoke cigarettes occasionally"
  3 "Used to smoke cigarettes regularly"   4 "Current cigarette smoker".
```

CIGSTA3_19: (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

```
compute cigsta3_19 =-99.
IF any(2,cigevr_19,smkevr_19) cigsta3_19=3.
RECODE cigreg_19 (1=2)(2,3=3) INTO cigsta3_19.
IF cignow_19=1 cigsta3_19=1.
IF ANY(-9,smkevr_19,cignow_19,cigevr_19,cigreg_19) cigsta3_19=-9.
IF ANY(-8,smkevr_19,cignow_19,cigevr_19,cigreg_19) cigsta3_19=-8.
if cignow_19 = 2 and cigreg_19 = 4 cigsta3_19 = -8.
IF smkevr_19=-1 cigsta3_19=-1.
IF age<16 cigsta3_19=-1.
exe.VARIABLE LABELS cigsta3_19 "(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg".
VALUE LABELS cigsta3_19   1 "Current cigarette smoker"   2 "Ex-regular cigarette smoker"   3 "Never
regular cigarette smoker".
```

CIGST2_19: (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_19 (-9=4)(-8=4)(-1=-1)(20 thru hi=3)(10 thru 20=2)(0 thru 10=1) INTO cigst2_19.
RECODE cignow_19 (-9=-9)(-8=-8)(2=5) INTO cigst2_19.
RECODE smkevr_19 (-9=-9)(-8=-8)(-1=-1)(2=5) INTO cigst2_19.
if cignow_19 = 2 and cigreg_19 = 4 cigst2_19 = -8. /*/ line added in to account for those who said no at
cignow and  haven't stopped at cigreg - otherwise coded as non smoker.
IF age<16 cigst2_19=-1.
exe.
VARIABLE LABEL cigst2_19 "(D) Cigarette Smoking Status - Banded current smokers".
VALUE LABELS cigst2_19   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_19: (D) Any adult self-reported exposure to other people's smoke, 16+, binary

        1 No
        2 Yes

```
SPSS Syntax

COMPUTE Expsmok3_19 = -99.
RECODE Expsmok_19 (0=1) (0 thru HI=2)(ELSE=COPY) INTO Expsmok3_19.
IF RANGE(age,0,15) Expsmok3_19=-1.
exe.VARIABLE LABELS Expsmok3_19 "(D) Any adult self-reported exposure to other people's smoke, 16+,
binary".
VALUE LABELS Expsmok3_19 -9 "Refused"  -8 "Don't know" -1 "Not applicable"  1 "No"   2 "Yes" .
```

EXPSMOK4_19: (D) Number of hours exposed to other people's smoke, grouped

    1   None
    2   1
    3   2-6
    4   7+

```
SPSS Syntax

recode  expsmok_19 (7 thru hi = 4) (2 thru 6 = 3) (1 thru 1 = 2) (0=1)  (else = copy) into  expsmok4_19.
VARIABLE LABELS Expsmok4_19 (D) Number of hours exposed to other people's smoke, grouped".
VALUE LABELS Expsmok4_19 1 "None" 2 "1" 3 "2-6" 4  "7+".
```

ECIGUSE_19: (D) E-cigarette or vaping device use (current use, not a current user but has used, never used)

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

```
SPSS Syntax

compute eciguse_19 =-99.
if ecigevr_19=1 or ecigevr_19=2 eciguse_19=2.
if ecignw_19=1 eciguse_19=1.
if ecigevr_19=3 eciguse_19=3.
if any(-8, ecigevr 19, ecignw 19) eciguse 19 = -8.
if  ecigevr_19 =-1 and  ecignw_19 =-1  eciguse_19 = -1.
if any(-9, ecigevr_19, ecignw_19) eciguse_19 = -9.
exe.
variable labels eciguse_19 "(D) E-cigarette or vaping device use (current use, not a current user but has
used, never used)".
add value labels eciguse_19 1 "Currently uses e-cigarettes or vaping device" 2 "Not a current user but has
tried e-cigarettes or vaping device" 3 "Never tried e-cigarettes or vaping device"
-1 "Not applicable" -8 "Don't know" -9 "Refused".
```

ECIGUSE2_19: (D) E-cigarette or vaping device use - used/never used

    1   Some experience
    2   Never tried

```
SPSS Syntax

recode eciguse_19 (lo thru -1 = copy) (1 thru 2=1) (3=2) into eciguse2_19.
Variable labels ECIGUSE2_19 "(D) E-cigarette or vaping device use - used/never used".
Add value labels ECIGUSE2_19  1 "Some experience" 2  "Never tried".
```

ECigStrgG7_19: (D) Strength of e-cigarette cartridge typically use (includes other write in answers >0mg and <=3mg)

- 1 0 mg nicotine
- 2 Over 0mg, 3mg or less
- 3 6 mg nicotine - often described as low
- 4 11 mg or 12 mg nicotine - often described as medium or mild
- 5 18 mg nicotine - often described as high or regular
- 6 24 mg nicotine- often described as strong
- 7 Other strength (please specify)

SPSS Syntax

```
recode ECigStrg_19 (1=1) (2=3) (3=4) (4=5) (5=6) (6=7) (lo thru -1 = copy) into ECigStrgG7_19.
if ECigStrg_19  = 6 and (ECigCartO gt '-1' or CECigCartO gt '-1') ECigStrgG7_19 = 2.
if ECigCartO= "?mg" or ECigCartO="10" or ECigCartO = "10 mg" or  ECigCartO ="16" or  ECigCartO ="16MG" or
ECigCartO ="8 micrograms per millilitre"
or ECigCartO ="3mg of nictotine in 50ml of juice" ECigStrgG7_19  = 7.
Variable labels ECigStrgG7_19 "(D) Strength of e-cigarette cartridge typically use (includes other write
in answers >0mg and <=3mg)".
Add value labels ECigStrgG7_19  1  "0 mg nicotine"  2  "Over 0mg, 3mg or less"
3"6 mg nicotine - often described as low"   4  "11 mg or 12 mg nicotine - often described as medium or
mild"   5  "18 mg nicotine - often described as high or regular"
6"24 mg nicotine- often described as strong"    7  "Other strength (please specify)".
```

Adult Current Smokers

CIGDYAL_19: (D) Number of cigarettes smoke a day – inc. non-smokers

SPSS Syntax

```
IF cigwday_19>=0 & cigwend_19>=0 cigdyal_19=((5*cigwday_19)+(2*cigwend_19))/7.
IF ANY(-9,cigwday_19,cigwend_19) cigdyal_19=-9.
IF ANY(-8,cigwday_19,cigwend_19) cigdyal_19=-8.
if cigwday_19 = 97 or cigwend_19 =97 cigdyal_19 = -8.
IF age<16 cigdyal_19=-1.
RECODE cignow_19(-9,-8,-1=COPY)(2=0) INTO cigdyal_19.
RECODE smkevr_19(-9,-8,-1=COPY)(2=0) INTO cigdyal_19.
RECODE cigevr_19(-9,-8=COPY)(2=0) INTO cigdyal_19.
if cignow_19 = 2 and cigreg_19 = 4 cigdyal_19 = -8.
VARIABLE LABELS cigdyal_19 "(D) Number of cigarettes smoke a day - inc. non-smokers".
```

Nicotine replacement

NDPNOW_19: (D) Current use of E-cigarettes or vaping devices and/or NDPs, 16+yrs

- 1 E-cigarettes only
- 2 Other nicotine delivery products only
- 0 Both
- 1 None

SPSS Syntax

```
COMPUTE NDPNow_19=-99.
IF NRnow8_19=1 & (NRNow1_19=0 & NRNow2_19=0 & NRNow3_19=0 & NRNow4_19=0 & NRNow5_19=0  & NRNow6_19=0 &
NRNow7_19=0) NDPNow_19=1.
IF NRnow8_19=0 & ANY(1,NRNow1_19, NRNow2_19, NRNow3_19, NRNow4_19, NRNow5_19, NRNow6_19 ,NRNow7_19)
NDPNow_19=2.
IF NRnow8_19=1 & ANY(1,NRNow1_19, NRNow2_19, NRNow3_19, NRNow4_19, NRNow5_19, NRNow6_19 ,NRNow7_19)
NDPNow_19=3.
IF NRnow9_19=1 NDPNow_19=4.
if ANY(-8,NRNow1_19, NRNow2_19, NRNow3_19, NRNow4_19, NRNow5_19, NRNow6_19 ,NRNow7_19, NRNow8_19,
NRNow9_19) NDPNow_19= -8. /* new line to code in missings
if ANY(-9,NRNow1_19, NRNow2_19, NRNow3_19, NRNow4_19, NRNow5_19, NRNow6_19 ,NRNow7_19, NRNow8_19,
NRNow9_19) NDPNow_19= -9. /* new line to code in missings
if ANY(-1,NRNow1_19, NRNow2_19, NRNow3_19, NRNow4_19, NRNow5_19, NRNow6_19 ,NRNow7_19, NRNow8_19,
NRNow9_19) NDPNow_19= -1. /* new line to code in missings
IF range(age, 0,15) NDPNow_19=-1.
variable labels NDPNow_19 "(D) Current use of E-cigarettes or vaping devices and/or NDPs, 16+yrs".
add value labels  NDPNow_19 1 "E-cigarettes only" 2 "Other nicotine delivery products only" 3 "Both" 4
"None".
```

NDPEVRC_19: (D) Ever or current use of E-cigarettes or vaping devices and/or NDPs, 16+yrs

   1   E-cigarettes only
   2   Other nicotine delivery products only
   3   Both
   4   None

SPSS Syntax

```
COMPUTE NDPEvrC_19=-99.
IF NREvr8_19=1 & (NREvr1_19=0 & NREvr2_19=0 & NREvr3_19=0 & NREvr4_19=0 & NREvr5_19=0  & NREvr6_19=0 &
NREvr7_19=0) NDPEvrC_19=1.
IF NREvr8_19=0 & ANY(1,NREvr1_19, NREvr2_19, NREvr3_19, NREvr4_19, NREvr5_19, NREvr6_19 ,NREvr7_19)
NDPEvrC_19=2.
IF NREvr8_19=1 & ANY(1,NREvr1_19, NREvr2_19, NREvr3_19, NREvr4_19, NREvr5_19, NREvr6_19 ,NREvr7_19)
NDPEvrC_19=3.
IF NREvr9_19=1 NDPEvrC_19=4.
if any(-1, NREvr1_19, NREvr2_19, NREvr3_19, NREvr4_19, NREvr5_19, NREvr6_19 ,NREvr7_19, NREvr8_19,
NREvr9_19) NDPEvrC_19 =-1.
if any(-8, NREvr1_19, NREvr2_19, NREvr3_19, NREvr4_19, NREvr5_19, NREvr6_19 ,NREvr7_19, NREvr8_19,
NREvr9_19) NDPEvrC_19 =-8.
if any(-9, NREvr1_19, NREvr2_19, NREvr3_19, NREvr4_19, NREvr5_19, NREvr6_19 ,NREvr7_19, NREvr8_19,
NREvr9_19) NDPEvrC_19 =-9.
IF Any(NDPNow_19,1,2,3) & any(NDPEvrC_19,4,-1)  NDPEvrC_19=NDPNow_19.
IF (NDPNow_19=2 & NDPEvrC_19=1) | (NDPNow_19=1  & NDPEvrC_19=2) NDPEvrC_19=3.
IF NDPNow_19=3 & any(NDPEvrC_19,1,2) NDPEvrC_19=3.
IF NDPNow_19=3 & ANY(NDPEvrC_19,-8,-9) NDPEvrC_19=3.
IF NDPNow_19=-9  & any(NDPEvrC_19,1,2,4)  NDPEvrC_19=-9.
IF NDPNow_19=-8 & any(NDPEvrC_19,1,2,4)  NDPEvrC_19=-8.
IF range(age, 0,15) NDPEvrC_19=-1.
EXECUTE.variable labels NDPEvrC_19 "(D) Ever or Current use of E-cigarettes or vaping devices and/or NDPs,
16+yrs".
add value labels  NDPEvrC_19 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".
```

Current nicotine use

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".
```

Children General

EXPSMOK2_19: (D) Children's self reported exposure to other people's smoke, 0-15yrs, 4 groups

   0   Not exposed
   1   1-14 hours a week
   5   15-28 hours a week
   6   More than 28 hours

SPSS Syntax

```
COMPUTE ExpSmok2_19=-99.
RECODE expsmok_19 (0=0) (1 thru 14=1)(14 thru 28=2)(28 thru hi=3) (-9 thru -1=COPY) INTO expsmok2_19.
If age>15 expsmok2_19=-1.
VARIABLE LABELS expsmok2_19 "(D) Children's self reported exposure to other people's smoke, 0-15yrs, 4
groups".
VALUE LABELS expsmok2_19 -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 4-15 yrs, (4-7yrs assumed non-smoker)

    0   None smoker
    1   Current smoker

SPSS Syntax

```
COMPUTE Smoke415=-99.
IF RANGE(Age, 0,3) | RANGE(Age,16,150) Smoke415=-1.
IF RANGE(Age, 4,7) Smoke415=0.
IF Smoke415=-99 & RANGE(Age,8,15) & ANY(KcigReg,1,2,3,4) Smoke415=0.
IF Smoke415=-99  & RANGE(Age,8,15) & ANY(KcigReg,5,6) Smoke415=1.
IF Smoke415=-99 & RANGE(Age,8,15) & ANY(KcigReg,-1,-8,-9)  Smoke415=KcigReg.
VARIABLE LABELS smoke415 "(D) Self-reported child smokers aged 4-15 yrs, (4-7yrs assumed non-smoker)".
VALUE LABELS Smoke415
-9 "Refused" -1 "Not applicable"  0 "Non-smoker"  1 "Current smoker".
```

Children 8-15

KCIGREGG: (D) Frequency of cigarette smoking (8-15s) (grouped)

    1   Don't smoke cigarettes
    2   Smoke cigarettes, less than once a week
    3   Smoke cigarettes, once a week or more often

SPSS Syntax

```
recode kcigreg (lo thru -1=COPY)(1 thru 3=1)(4=2)(5,6=3) INTO kcigregg.
VARIABLE LABELS kcigregg "(D) Frequency of cigarette smoking (8-15s) (grouped)".
VALUE LABELS kcigregg
  1 "Don't smoke cigarettes"  2 "Smoke cigarettes, less than once a week"  3 "Smoke cigarettes, once a
week or more often".
```

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

    1   Have smoked
    2   Never smoked

SPSS Syntax

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

KECIGEVD_19: (D) Ever used an electronic cigarette or vaping device (ever/never) - 8-15s

    1   Used electronic cigarettes
    2   Never used electronic cigarettes

SPSS Syntax

```
recode KVapeReg  (2 thru 5 = 1) (1=2) (else = copy) into KECigEvD_19.
Variable labels KECIGEVD_19  "(D) Ever used an electronic cigarette or vaping device(ever/never) - 8-15s".
Add value labels KECIGEVD_19  1 "Used electronic cigarettes" 2  "Never used electronic cigarettes".
```

Children 13-15

CURRENTNDPS: (D) Current use of nicotine delivery product(s) (NDPs) (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) NDP (SC 13-15)".
VALUE LABELS  CurrentNDPs
-9 "No answer/refused" -8 "Don't know"
-1 "Item not applicable"  0 "No current use"  1 "Current use".
```

Cotinine

COTVAL: (D) Valid cotinine (saliva) - 4+ year olds

SPSS Syntax

```
COMPUTE cotval=cotinine.
IF ANRNow_9 =0 & range(age,4,15) cotval=-90.
VARIABLE LABELS cotval "(D) Valid Cotinine (saliva) - 4+ year olds ".
VALUE LABELS cotval   -90 "Use nicotine products"-1 "Not applicable.
```

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

SPSS Syntax

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

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

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

SPSS Syntax

```
COMPUTE Cot12valkids=-99.
RECODE Cotinine (lo thru -1=COPY)(12 thru hi=2)(0 thru 12=1) INTO Cot12valkids.
if RANGE(age,0,3) | RANGE(age,16,120) Cot12valkids=-1.
if RANGE(AGE,4,15) AND ANRNow_9=0 Cot12valkids=-2.
VARIABLE LABELS Cot12valkids "(D) Cotinine below/above 12 ng/ml (children 4-15) excl current use of NDPs".
VALUE LABELS Cot12valkids -2 "Not applicable -Current NDP user" -1 "Not applicable"   1 "Below 12 ng/ml"
2 "At least 12+ ng/ml" .
```

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

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

SPSS Syntax

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

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

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

```
SPSS Syntax

COMPUTE SHSOutC=-99.
RECODE cotinine (0.001 thru 0.99=1) (0.99 thru 11.99=2) (11.99 thru hi = -3)(ELSE=COPY) INTO SHSOutC.
IF ANRNOW_9=0 SHSOutC=-2.
IF RANGE(Age, 0,3) | RANGE(Age,16,120) SHSOutC=-1.
IF RANGE(Age, 8,15) & ANY(Kcigreg,-1,-8,-9) SHSOutC=KcigReg.
IF RANGE(Age, 8,15) & ANY(kcigreg,5,6) SHSOutC=-3.
VARIABLE LABELS SHSOutC "(D) Detectable cotinine for children (3 groups), excl current NDPs and smokers".
VALUE LABELS SHSOutC
-9  "Refused"
-3 "Not applicable -12ng/ml or more/self-reported current smokers"
-2 "Not applicable -Current NDP user" -1 "Not applicable"
 0 "0 ng/ml"  1 "0.0 01 to less than 1 ng/ml".
```

CotVal2: (D) Valid Cotinine (16+yrs, excl users of nicotine delivery products(NDP)

    -5   NA - used NDP in past 7 days

```
SPSS Syntax

 RECODE Cotinine (ELSE=COPY) INTo CotVal2.
 IF NurOutc<>81 | range(age, 0,15) | saloutc<>1 CotVal2=-1.
 IF NicUse7d=1 & Cotinine=-1 CotVal2=-1.
 IF NicUse7d=1 & CotVal2<>-1 CotVal2=-5.
variable labels CotVal2 "D) Valid Cotinine (16+yrs, excl users of nicotine delivery products(NDP)".
Add value labels Cotval2 -5   "NA - used NDP in past 7 days".
```

Cot12Val2: (D) Binary of valid cotinine levels at 12+ ng/ml (16+yrs, excl users of NDP)

    -5   Not applicable - used NDP in past 7 days
    1   Below 12 ng/ml
    2   At least 12+ ng/ml

```
SPSS Syntax

RECODE CotVal2 (12 thru HI=2) (0 THRU 12=1)(ELSE=COPY) INTo Cot12Val2.
Variable labels Cot12Val2 "(D) Binary of valid cotinine levels at 12+ ng/ml (16+yrs, excl users of NDP".
Value labels Cot12val2 -5  "Not applicable - used NDP in past 7 days"
1 "Below 12 ng/ml"
2 "At least 12+ ng/ml".
```

Cot12Val3: (D) Binary of valid cotinine levels at 12+ ng/ml (16+, incl users of NDP)

    -5   Not applicable - used NDP in past 7 days
    1   Below 12 ng/ml
    2   At least 12+ ng/ml

```
SPSS Syntax

RECODE Cotinine (12 thru HI=2) (0 THRU 12=1)(ELSE=COPY) INTO Cot12Val3.
IF NurOutc<>81 | range(age, 0,15) | saloutc<>1 Cot12Val3=-1.
Variable labels Cot12Val3 "(D) Binary of valid cotinine levels at 12+ ng/ml (16+, incl users of NDP)".
Value labels Cot12val3 -5  "Not applicable - used NDP in past 7 days" 1 "Below 12 ng/ml"
2 "At least 12+ ng/ml".
```

UnDetectCot: (D) Binary of undetectable cotinine, <0.1ng/ml (16+yrs, excl users NDP)

    -5   NA - used NDP in past 7 days
    1   Below 0.1 ng/ml, Undetectable
    2   At least 0.1+ ng/ml, Detectable

```
SPSS Syntax

RECODE Cotval2  (0.1 thru hi=2)(0 thru 0.1=1)(ELSE=COPY) INTO UnDetectCot.
Variable labels UnDetectCot "(D) Binary of undetectable cotinine, <0.1ng/ml (16+yrs, excl users NDP)".
Value labels UnDetectCot -5   "NA - used NDP in past 7 days" 1 "Below 0.1 ng/ml, Undetectable"
2 "At least 0.1+ ng/ml, Detectable".
```

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

RECHLPA: (D) Did you receive help: Bed (TASK A)
     1   Received help but didn't need it
     2   Received help and needed it
     3   Did not receive help but needed it
     4   Did not receive help but didn't need it
     5   No help required for any task, ie independent

SPSS Syntax

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

RECHLPC: (D) Did you receive help: Shower (TASK C)

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

SPSS Syntax

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

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

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

SPSS Syntax

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

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

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

SPSS Syntax

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

RECHLPJ: (D) Did you receive help: House (TASK J)

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

SPSS Syntax

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

RECHLPK: (D) Did you receive help: Shop (TASK K)

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

SPSS Syntax

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

RECHLPL: (D) Did you receive help: Housework (TASK L)

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

SPSS Syntax

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

RECHLPM: (D) Did you receive help: Paperwork (TASK M)

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

SPSS Syntax

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

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

1 Help
2 No help

SPSS Syntax

```
COMPUTE rechelibi=rechlpi.
IF rechlpi=1 or rechlpi=2 rechelibi=1.
IF any(rechlpi, 3,4,5) rechelibi=2.
Variable labels RECHELIBI  "(D) Received help: Stairs (binary) (TASK I)".
Add value labels RECHELIBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELHBI "(D) Received help: Indoors (binary) (TASK H)".
Add value labels RECHELHBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELABI "(D) Received help: Bed (binary) (TASK A)".
Add value labels RECHELABI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELCBI "(D) Received help: Shower (binary) (TASK C)".
Add value labels RECHELCBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELDBI "(D) Received help: Dress (binary) (TASK D)".
Add value labels RECHELDBI 1 "Help" 2 "No 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.
Variable labels RECHELBBI "(D) Received help: Wash (binary) (TASK B)".
Add value labels RECHELBBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELEBI "(D) Received help: Toilet (binary) (TASK E)".
Add value labels RECHELEBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELGBI "(D) Received help: Medicine (binary) (TASK G)".
Add value labels RECHELGBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELFBI "(D) Received help: Eat (binary) (TASK F)".
Add value labels RECHELFBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELJBI "(D) Received help: House (binary) (TASK J)".
Add value labels RECHELJBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELKBI "(D) Received help: Shop (binary) (TASK K)".
Add value labels RECHELKBI 1 "Help" 2 "No Help".
```

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.
Variable Labels RECHELLBI "(D) Received help: Housework (binary) (TASK L)".
 Add value labels RECHELLBI 1 "Help" 2 "No Help".
```

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.
Variable labels RECHELMBI  (D) Received help: Paperwork (binary) (TASK M).
Add value labels RECHELMBI 1 "Help" 2 "No Help".
```

NDHLPI: (D) Need help (binary): Stairs (TASK I)

0   No
1   Yes

SPSS Syntax

```
RECODE taski (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpi.
Variable labels NDHLPI "(D) Need help (binary): Stairs (TASK I)".
VALUE LABELS ndhlpi 0 'No' 1 'Yes' -8 'Don't know' .
```

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

0   No
1   Yes

SPSS Syntax

```
RECODE tasksh (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlph.
Variable labels NDHLPH "(D) Need help (binary): Indoors (TASK H)".
VALUE LABELS ndhlph 0 'No' 1 'Yes' -8 'Don't know'.
```

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

0   No
1   Yes

SPSS Syntax

```
RECODE tasksa  (1=0) (2 thru 4=1) (-9=-8) (else=copy)  INTO ndhlpa.
Variable labels NDHLPA "(D) Need help (binary): Bed (TASK A)".
VALUE LABELS ndhlpa 0 'No' 1 'Yes' -8 'Don't know'.
```

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

0   No
1   Yes

SPSS Syntax

```
RECODE tasksc (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpc.
Variable labels NDHLPC "(D) Need help (binary): Shower (TASK C)".
VALUE LABELS ndhlpc 0 'No' 1 'Yes' -8 'Don't know'.
```

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

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksd (1=0) (2 thru 4=1) (-9=-8)(else=copy)  INTO ndhlpd.
Variable labels NDHLPD "(D) Need help (binary): Dress (TASK D)".
VALUE LABELS ndhlpd 0 'No' 1 'Yes' -8 'Don't know'.
```

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

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksb (1=0) (2 thru 4=1) (-9=-8) (else=copy)  INTO ndhlpb.
Variable labels NDHLPB "(D) Need help (binary): Wash (TASK B)".
VALUE LABELS ndhlpb 0 'No' 1 'Yes' -8 'Don't know'.
```

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

    0 No
    1 Yes

SPSS Syntax

```
RECODE taskse (1=0) (2 thru 4=1) (-9=-8) (else=copy)  INTO ndhlpe.
Variable labels NDHLPE "(D) Need help (binary): Toilet (TASK E)".
VALUE LABELS ndhlpe 0 'No' 1 'Yes' -8 'Don't know'.
```

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

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksg (1=0) (2 thru 4=1) (-9=-8)(else=copy)  INTO ndhlpg.
Variable labels NDHLPG "(D) Need help (binary): Medicine (TASK G)".
VALUE LABELS ndhlpg 0 'No' 1 'Yes' -8 'Don't know'.
```

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

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksf (1=0) (2 thru 4=1) (-9=-8) (else=copy)  INTO ndhlpf.
Variable labels NDHLPF "(D) Need help (binary): Eat (TASK F)".
VALUE LABELS ndhlpf 0 'No' 1 'Yes' -8 'Don't know'.
```

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

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksj (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpj.
Variable labels NDHLPJ "(D) Need help (binary): House (TASK J)".
VALUE LABELS ndhlpj 0 'No' 1 'Yes' -8 'Don't know'.
```

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

    0 No
    1 Yes

SPSS Syntax

```
RECODE tasksk (1=0) (2 thru 4=1) (-9=-8) (else=copy) INTO ndhlpk.
Variable labels NDHLPK "(D) Need help (binary): Shop (TASK K)".
VALUE LABELS ndhlpk 0 'No' 1 'Yes' -8 'Don't know'.
```

NDHLPL: (D) Need help (binary): Housework (TASK L)

    0   No
    1   Yes

SPSS Syntax

```
RECODE tasksl (1=0) (2 thru 4=1) (-9=-8)(else=copy) INTO ndhlpl.
Variable labels NDHLPL "(D) Need help (binary): Housework (TASK L)".
VALUE LABELS ndhlpl 0 'No' 1 'Yes'
 -8 'Don't know'.
```

NDHLPM: (D) Need help (binary): Paperwork (TASK M)

    0   No
    1   Yes

SPSS Syntax

```
RECODE tasksm (1=0) (2 thru 4=1) (-9=-8)(else=copy) INTO ndhlpm.
Variable Labels NDHLPM "(D) Need help (binary): Paperwork (TASK M)".
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 excl 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 or shower, toilet, indoors & 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) Needed 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 excl 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 & 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 (ADLs: Getting around indoors, getting up and down stairs)

      0   No
      1   Yes

SPSS Syntax

```
COMPUTE HelpIndoor=-99.
IF  (taskhelph=1 | taskhelpi=1) HelpIndoor=1.
IF  ((taskhelph=2 and taskhelpi=2)  | anyhlp=2) HelpIndoor=0.
IF HelpIndoor=-99 & range(age, 0,64) HelpIndoor= -1.
IF HelpIndoor=-99 HelpIndoor= -8.
VARIABLE LABELS HelpIndoor "(D) Received help with any indoor activities (ADLs: Getting around indoors,
getting up and down stairs)".
VALUE LABELS HelpIndoor 0 'No' 1 'Yes'
 -1 'Not applicable' -8 'Don't know'.
```

HELPIADL: (D) Received help with any instrumental activities (IADLs: getting out of house, food shopping, routine housework, doing paperwork/bills)

      0   No
      1   Yes

SPSS Syntax

```
COMPUTE HelpIADL=-99.
IF (taskhelpj=1 or taskhelpk=1 or taskhelpl=1 or taskhelpm=1) HelpIADL=1.
IF (taskhelpj=2 and taskhelpk=2 and taskhelpl=2 and taskhelpm=2)  | anyhlp=2 HelpIADL=0.
IF HelpIADL=-99 & range(age, 0,64) HelpIADL= -1.
IF HelpIADL=-99 HelpIADL= -8.
VARIABLE LABELS HelpIADL "(D) Received help with any instrumental activities (IADLs: getting out of
house,food shopping, routine housework,doing paperwork/bills)".
VALUE LABELS HelpIADL 0 'No' 1 'Yes'
 -1 'Not applicable' -8 'Don't know'.
```

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

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

SPSS Syntax

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

UNMETI: (D) Unmet need: Stairs (TASK I)

      1   Unmet
      2   Met
      3   No need

SPSS Syntax

```
COMPUTE Unmeti=-99.
IF ndhlpi=1 AND taskhelpi=2 Unmeti=1.
IF ndhlpi=1 AND taskhelpi=1 Unmeti=2.
IF ndhlpi=0 Unmeti=3.
IF ndhlpi=-1 Unmeti=-1.
IF any(-8, ndhlpi, TaskHelpi) Unmeti=-8.
VARIABLE LABELS Unmeti  "(D) Unmet need: Stairs (TASK I)".
VALUE LABELS Unmeti
1 'Unmet'
2 'Met'
3 'No need'
-1 'Not applicable' -8 'Don't know'.
```

UNMETH: (D) Unmet need: Indoors (TASK H)

    1   Unmet
    2   Met
    3   No need

```
SPSS Syntax

COMPUTE Unmeth=-99.
IF ndhlph=1 AND taskhelph=2 Unmeth=1.
IF ndhlph=1 AND taskhelph=1 Unmeth=2.
IF ndhlph=0 Unmeth=3.
IF ndhlph=-1 Unmeth=-1.
IF any(-8, ndhlph, TaskHelph) Unmeth=-8.
VARIABLE LABELS Unmeth  "(D) Unmet need: Indoors (TASK H)".
VALUE LABELS Unmeth 1 'Unmet' 2 'Met' 3 'No need'  -1 'Not applicable' -8 'Don't know'.
```

UNMETA: (D) Unmet need: Bed (TASK A)

    1   Unmet
    2   Met
    3   No need

```
SPSS Syntax

COMPUTE Unmeta=-99.
IF ndhlpa=1 AND taskhelpa=2 Unmeta=1.
IF ndhlpa=1 AND taskhelpa=1 Unmeta=2.
IF ndhlpa=0 Unmeta=3.
IF ndhlpa=-1 Unmeta=-1.
IF any(-8, ndhlpa, TaskHelpa) Unmeta=-8.
VARIABLE LABELS Unmeta  "(D) Unmet need: Bed (TASK A)".
VALUE LABELS Unmeta 1 'Unmet' 2 'Met' 3 'No need'  -1 'Not applicable' -8 'Don't know'.
```

UNMETC: (D) Unmet need: Shower (TASK C)

    1   Unmet
    2   Met
    3   No need

```
SPSS Syntax

COMPUTE Unmetc=-99.
IF ndhlpc=1 AND taskhelpc=2 Unmetc=1.
IF ndhlpc=1 AND taskhelpc=1 Unmetc=2.
IF ndhlpc=0 Unmetc=3.
IF ndhlpc=-1 Unmetc=-1.
IF any(-8, ndhlpc, TaskHelpc) Unmetc=-8.
VARIABLE LABELS Unmetc  "(D) Unmet need: Shower (TASK C)".
VALUE LABELS Unmetc 1 'Unmet' 2 'Met' 3 'No need'  -1 'Not applicable' -8 'Don't know'.
```

UNMETD: (D) Unmet need: Dress (TASK D)

    1   Unmet
    2   Met
    3   No need

```
SPSS Syntax

COMPUTE Unmetd=-99.
IF ndhlpd=1 AND taskhelpd=2 Unmetd=1.
IF ndhlpd=1 AND taskhelpd=1 Unmetd=2.
IF ndhlpd=0 Unmetd=3.
IF ndhlpd=-1 Unmetd=-1.
IF any(-8, ndhlpd, TaskHelpd) Unmetd=-8.
VARIABLE LABELS Unmetd  "(D) Unmet need: Dress (TASK D)".
VALUE LABELS Unmetd 1 'Unmet' 2 'Met' 3 'No need'  -1 'Not applicable' -8 'Don't know'.
```

UNMETB: (D) Unmet need: Wash (TASK B)

    1   Unmet
    2   Met
    3   No need

```
SPSS Syntax

COMPUTE Unmetb=-99.
IF ndhlpb=1 AND taskhelpb=2 Unmetb=1.
IF ndhlpb=1 AND taskhelpb=1 Unmetb=2.
IF ndhlpb=0 Unmetb=3.
IF ndhlpb=-1 Unmetb=-1.
IF any(-8, ndhlpb, TaskHelpb) Unmetb=-8.
VARIABLE LABELS Unmetb  "(D) Unmet need: Wash (TASK B)".
VALUE LABELS Unmetb 1 'Unmet' 2 'Met' 3 'No need'  -1 'Not applicable' -8 'Don't know'.
```

UNMETE: (D) Unmet need: Toilet (TASK E)
    1   Unmet
    2   Met
    3   No need

SPSS Syntax

```
COMPUTE Unmete=-99.
IF ndhlpe=1 AND taskhelpe=2 Unmete=1.
IF ndhlpe=1 AND taskhelpe=1 Unmete=2.
IF ndhlpe=0 Unmete=3.
IF ndhlpe=-1 Unmete=-1.
IF any(-8, ndhlpe, TaskHelpe) Unmete=-8.
VARIABLE LABELS Unmete  "(D) Unmet need: Toilet (TASK E)".
VALUE LABELS Unmete 1 'Unmet' 2 'Met' 3 'No need'  -1 'Not applicable' -8 'Don't know'.
```

UNMETG: (D) Unmet need: Medicine (TASK G)
    1   Unmet
    2   Met
    3   No need

SPSS Syntax

```
COMPUTE Unmetg=-99.
IF 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/Bills (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 for any personal activities (ADLs)

    0   No
    1   Yes

SPSS Syntax

```
COMPUTE UnADL=-99.
IF ANY(1,Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL=1.
IF UnADL=-99 & ANY(2,Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti)  UnADL=0.
IF UnADL=-99 & ANY(3,Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti)  UnADL=0.
IF (Unmeta=-8 and Unmetb=-8 and Unmetc=-8 and Unmetd=-8 and Unmete=-8 and Unmetf=-8 and Unmetg=-8 and
Unmeth=-8 and Unmeti=-8)  UnADL=-8.
IF Unmeta=-1 UnADL=-1.
VARIABLE LABELS UnADL "(D) Unmet need for any personal activities (ADLs)".
VALUE LABELS UnADL 0 'No' 1 'Yes' -8 'Don't know' -1 "Not applicable" .
```

UNADL2: (D) Whether any unmet need for any personal activities (ADLs)

    1   Yes, unmet need
    2   No, all needs met
    3   No need

SPSS Syntax

```
COMPUTE UnADL2=-99.
IF ANY(1,Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL2=1.
IF UnADL2=-99 & ANY(2, Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL2=2.
IF UnADL2=-99 & (Unmeta=3 and Unmetb=3 and Unmetc=3 and Unmetd=3 and Unmete=3 and Unmetf=3 and Unmetg=3
and Unmeth=3 and Unmeti=3)  UnADL2=3.
IF UnADL2<>1 & ANY(-8, Unmeta, Unmetb, Unmetc, Unmetd, Unmete, Unmetf, Unmetg, Unmeth, Unmeti) UnADL2=-8.
IF Unmeta=-1 UnADL2=-1.
VARIABLE LABELS UnADL2 "(D) Whether any unmet need for any personal activities (ADLs)".
VALUE LABELS UnADL2 1 'Yes, unmet need' 2 "No, all needs met" 3 "No need" -8 "Refused" -1 "Not applicable"
```

UNIADL: (D) Unmet need for any instrumental activities (IADLs)

    0   No
    1   Yes

SPSS Syntax

```
COMPUTE UnIADL=-99.
IF ANY(1,Unmetj, Unmetk, Unmetl, Unmetm) UnIADL=1.
IF UnIADL=-99 & ANY(2,Unmetj, Unmetk, Unmetl, Unmetm)  UnIADL=0.
IF UnIADL=-99 & ANY(3,Unmetj, Unmetk, Unmetl, Unmetm) UnIADL=0.
IF (Unmetj=-8 and Unmetk=-8 and Unmetl=-8 and Unmetm=-8)  UnIADL=-8.
IF Unmetj=-1 UnIADL=-1.
VARIABLE LABELS UnIADL "(D) Unmet need for any instrumental activities (IADLs)".
VALUE LABELS UnIADL 0 'No' 1 'Yes' -8 'Don't know' -1 "Not applicable" .
```

UNIADL2: (D) Whether any unmet need for any instrumental activities (IADLs)

    1   Yes, unmet need
    2   No all needs met
    3   No Need

SPSS Syntax

```
COMPUTE UnIADL2=-99.
IF ANY(1,Unmetj, Unmetk, Unmetl, Unmetm) UnIADL2=1.
IF UnIADL2=-99 & ANY(2, Unmetj, Unmetk, Unmetl, Unmetm) UnIADL2=2.
IF UnIADL2=-99 & (Unmetj=3 and Unmetk=3 and Unmetl=3 and Unmetm=3)  UnIADL2=3.
IF UnIADL2<>1 & ANY(-8, Unmetj, Unmetk, Unmetl, Unmetm) UnIADL2=-8.
IF Unmetj=-1 UnIADL2=-1.
VARIABLE LABELS UnIADL2 "(D) Whether any unmet need for any instrumental activities (IADLs)".
VALUE LABELS UnIADL2  1 'Yes, Unmet need' 2 "No all needs met" 3 "No need" -8 "Refused" -1 "Not
applicable" .
```

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

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

SPSS Syntax

```
compute UnIADL3 =-99.
if UnADL2 = 3 and  UnIADL2 =3 UnIADL3 = 3.
if UnIADL3 =-99  and  (UnADL2 = 2 and  UnIADL2 =2) UnIADL3 = 2.
if UnIADL3 =-99  and (UnADL2 = 3 and  UnIADL2 =2) UnIADL3  = 2.
if UnIADL3 =-99  and (UnADL2 = 2 and  UnIADL2 =3) UnIADL3  = 2.
if UnADL2  = -8 or UnIADL2  = -8 UnIADL3 = -8.
if  (UnADL2 = 1 or  UnIADL2 =1) UnIADL3 =1. if UnADL2 = -1 and UnIADL2 =-1 UnIADL3 = -1.
variable labels UnIADL3 "(D) Whether any unmet ADL and/or IDL needs".
value labels UnIADL3 1 "Yes, some unmet ADL and/or IDL needs" 2 "No, all needs met" 3 "No need".
```

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".
```

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

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

SPSS Syntax

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

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

DHELPINSO: (D) Son helped with ADLs (tasks A-I)

    0   No
    1   Yes

```
SPSS Syntax

COMPUTE DhelpinSO=-99.
if any (1,hlpinf02, hlpinf13, hlpinf24, hlpinf35) DhelpinSO=1.
if DhelpinSO=-99 & helpADL=1 DhelpinSO=0.
if DhelpinSO=-99 & helpADL=0 DhelpinSO=-2.
if DhelpinSO=-99 & helpADL<0 DhelpinSO=helpADL.
if  hlpinf02=-8 & hlpinf13=-8 & hlpinf24=-8 & hlpinf35=-8 DhelpinSO=-8.
VARIABLE LABELS DhelpinSO '(D) Son helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinSO 1 'Yes' 0 'No'
 -8 'Don't know' -2 'No help received'
 -1 'Not applicable'.
```

DHELPINDA: (D) Daughter helped with ADLs (tasks A-I)

    0   No
    1   Yes

```
SPSS Syntax

COMPUTE DhelpinDA=-99.
if any (1,hlpinf03, hlpinf14, hlpinf25, hlpinf36) DhelpinDA=1.
if DhelpinDA=-99 & helpADL=1 DhelpinDA=0.
if DhelpinDA=-99 & helpADL=0 DhelpinDA=-2.
if DhelpinDA=-99 & helpADL<0 DhelpinDA=helpADL.
if hlpinf03=-8 & hlpinf14=-8 & hlpinf25=-8 & hlpinf36=-8 DhelpinDA=-8.
VARIABLE LABELS DhelpinDA '(D) Daughter helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinDA 1 'Yes' 0 'No'
-8 'Don't know' -2 'No help received'
 -1 'Not applicable'.
```

DHELPINFN: (D) Friend/neighbour helped with ADLs (tasks A-I)

    0   No
    1   Yes

```
SPSS Syntax

COMPUTE DhelpinFN=-99.
if any (1,hlpinf09, hlpinf20, hlpinf31, hlpinf42) | any(1,hlpinf10, hlpinf21, hlpinf32, hlpinf43)
DhelpinFN=1.
if DhelpinFN=-99 & helpADL=1 DhelpinFN=0.
if DhelpinFN=-99 & helpADL=0 DhelpinFN=-2.
if DhelpinFN=-99 & helpADL<0 DhelpinFN=helpADL.
if hlpinf09=-8 & hlpinf20=-8 & hlpinf31=-8 & hlpinf42=-8 & hlpinf10=-8 & hlpinf21=-8 & hlpinf32=-8 &
hlpinf43=-8 DhelpinFN=-8.
VARIABLE LABELS DhelpinFN '(D) 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 member of the family helped with ADLs (tasks A-I)

    0   No
    1   Yes

SPSS Syntax

```
COMPUTE DhelpinOT=-99.
if (any(1,hlpinf04, hlpinf15, hlpinf26, hlpinf37) | any(1,hlpinf05, hlpinf16, hlpinf27, hlpinf38) | any(1,
hlpinf06, hlpinf17, hlpinf28, hlpinf39) | any(1,hlpinf07, hlpinf18, hlpinf29, hlpinf40) | any(1,hlpinf08,
hlpinf19, hlpinf30, hlpinf41) ) DhelpinOT=1.
if DhelpinOT=-99 & helpADL=1 DhelpinOT=0.
if DhelpinOT=-99 & helpADL=0 DhelpinOT=-2.
if DhelpinOT=-99 & helpADL<0 DhelpinOT=helpADL.
if hlpinf04=-8 & hlpinf15=-8 & hlpinf26=-8 & hlpinf37=-8 & hlpinf05=-8 & hlpinf16=-8 & hlpinf27=-8 &
hlpinf38=-8 & hlpinf06=-8 & hlpinf17=-8 &
   hlpinf28=-8 & hlpinf39=-8 & hlpinf07=-8 & hlpinf18=-8 & hlpinf29=-8 & hlpinf40=-8 & hlpinf08=-8 &
hlpinf19=-8 & hlpinf30=-8 & hlpinf41=-8 DhelpinOT=-8.
VARIABLE LABELS DhelpinOT '(D) Other member of the family helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinOT 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'.
```

DHELPINNO: (D) No informal helpers helped with ADLs (tasks A-I)

    0   No
    1   Yes

SPSS Syntax

```
COMPUTE DhelpinNO=-99.
if any(1,hlpinf11,hlpinf22, hlpinf33, hlpinf44) & ~any(0,hlpinf11,hlpinf22, hlpinf33, hlpinf44) & anyhlp=1
DhelpinNO=1.
if DhelpinNO=-99 & helpADL=1 DhelpinNO=0.
if DhelpinNO=-99 & helpADL=0 DhelpinNO=-2.
if DhelpinNO=-99 & helpADL<0 DhelpinNO=helpADL.
if hlpinf11=-8 &hlpinf22=-8 & hlpinf33=-8 & hlpinf44=-8 DhelpinNO=-8.
VARIABLE LABELS DhelpinNO '(D) No informal helpers helped with ADLs (tasks A-I)'.
VALUE LABELS DhelpinNO 1 'Yes' 0 'No' -8 'Don't know' -2 'No help received' -1 'Not applicable'
```

DANYINF: (D) Any 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 & DhelpinDA=-8 & DhelpinOT=-8 & DhelpinFN=-8 DAnyInf=-8.
VARIABLE LABELS DAnyInf '(D) Any 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.
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.
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.
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/neighbour helped with IADLs (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.
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.
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.
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) Any 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 (informal/formal helpers, tasks J-M)

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

SPSS Syntax

```
COMPUTE DIADLtyp=-99.
IF (checkA2=2 & 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

COMPUTE SPhr6=-99.
RECODE HlpHrsi01g9 (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into SPhr6.
VARIABLE LABELS SPhr6 '(D) Grouped spouse hours who helped (6 groups, 50+)'.
VALUE LABELS SPhr6   1 'No help'    2 '<1 hour' 3 '1-9'   4 '10-19'   5 '20-49'   6 '50+'.

COMPUTE SPhr10=-99.
RECODE HlpHrsi01g9  (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into SPhr10.
VARIABLE LABELS SPhr10 '(D) Grouped spouse hours who helped (4 groups, 10+)'.
VALUE LABELS SPhr10   1 'No help'    2 '<1 hour'   3 '1-9'   4 '10 or more'.

COMPUTE SPhr20=-99.
RECODE HlpHrsi01g9 (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into SPhr20.
VARIABLE LABELS SPhr20 '(D) Grouped spouse hours who helped (4 groups, 20+)'.
VALUE LABELS SPhr20  1 'No help'  2 '<1 hour'    3 '1-19'   4 '20 or more'.
```

SOHR6: (D) Grouped, hours of help provided in the last week 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 in the last week 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 in the last week 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 in the last week by the son who helped the most (9 groups)
    1   No help
    2   <1 hour
    3   1-19
    4   20 or more

```
SPSS Syntax

COMPUTE sohr6=-99.
RECODE sonhrs (1=1) (2=2) (3 thru 4=3) ( 5 =4) (6 thru 7=5)(8 thru 9=6)(else=-1) into sohr6.
VARIABLE LABELS sohr6 '(D) Grouped, hours of help provided in the last week by son who helped the most (6
groups, 50+)'.
VALUE LABELS sohr6  1 'No help'  2 '<1 hour'    3 '1-9'   4 '10-19' 5 '20-49'   6 '50+'.

COMPUTE sohr10=-99.
RECODE sonhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into sohr10.
```

```
VARIABLE LABELS sohr10 '(D) Grouped, hours of help provided in the last week by son who helped the most (4
groups, 10+)'.
VALUE LABELS sohr10   1 'No help'    2 '<1 hour'   3 '1-9'   4 '10 or more'.

COMPUTE sohr20=-99.
RECODE sonhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into sohr20.
VARIABLE LABELS sohr20 '(D) Grouped, hours of help provided in the last week by son who helped the most (4
groups, 20+)'.
VALUE LABELS sohr20  1 'No help'   2 '<1 hour'   3 '1-19'   4 '20 or more'.

COMPUTE Sonhrs=MAX(HlpHrsI02g9, HlpHrsI03g9, HlpHrsI04g9).
VARIABLE LABELS Sonhrs '(D) Grouped, hours of help provided in the last week by the son who helped the
most (9 groups)'.
VALUE LABELS Sonhrs -8 "Don't know" -1 "Not applicable" 1 "No help in the last week" 2 "Less than one
hour" 3 "1-4 hours" 4 "5-9 hours" 5 "10-19 hours" 6 "20-34 hours" 7 "35-49 hours"
8 "50-99 hours" 9 "100 hours or more".
```

DAHR6: (D) Grouped, hours of help provided in the last week 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 in the last week 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 in the last week 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 in the last week by daughter who helped the most (9 groups)

-8 Don't Know
-1 Not applicable
1 No help in the last week
2 Less than one hour
3 1-4 hours
4 5-9 hours
5 10-19 hours
6 20-34 hours
7 35-49 hours
8 50-99 hours
9 100 hours or more.

SPSS Syntax

```
COMPUTE dahr6=-99.
RECODE daughterhrs (1=1) (2=2) (3 thru 4=3) ( 5 =4) (6 thru 7=5)(8 thru 9=6)(else=-1) into dahr6.
VARIABLE LABELS dahr6 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (6 groups, 50+)'.
VALUE LABELS dahr6  1 'No help'   2 '<1 hour'   3 '1-9'   4 '10-19'  5 '20-49'   6 '50+'.

COMPUTE dahr10=-99.
RECODE daughterhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into dahr10.
VARIABLE LABELS dahr10 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (4 groups, 10+)'.
VALUE LABELS dahr10  1 'No help'   2 '<1 hour'   3 '1-9'   4 '10 or more'.

COMPUTE dahr20=-99.
RECODE daughterhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into dahr20.
VARIABLE LABELS dahr20 '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (4 groups, 20+)'.
VALUE LABELS dahr20   1 'No help'   2 '<1 hour'   3 '1-19'   4 '20 or more'.

COMPUTE DAhrs=MAX(HlpHrsI05g9 , HlpHrsI06g9 , HlpHrsI07g9 ).
VARIABLE LABELS DAhrs '(D) Grouped, hours of help provided in the last week by daughter who helped the
most (9 groups)'.
VALUE LABELS DAhrs  -8 "Don't Know" -1 "Not applicable"  1 "No help in the last week"  2 "Less than one
hour"  3 "1-4 hours"  4 "5-9 hours"  5 "10-19 hours"  6 "20-34 hours"  7 "35-49 hours"  8 "50-99 hours"
 9 "100 hours or more".
```

OTHR6: (D) Grouped, hours of help provided in the last week by other family member who helped the most (6 groups, 50+)

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

OTHR10: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 10+)

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

OTHR20: (D) Grouped, hours of help provided in the last week by other family member who helped the most (4 groups, 20+)

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

OTHRS: (D) Grouped, hours of help provided in the last week by other family member who helped the most (9 groups)

-8 Don't Know
-1 Not applicable
1 No help in the last week
2 Less than one hour
3 1-4 hours
4 5-9 hours
5 10-19 hours
6 20-34 hours
7 35-49 hours
8 50-99 hours
9 100 hours or more.

OTMOST: (D) Other family member who provided most hours of care

1 Grandchild 1
2 Grandchild 2
3 Grandchild 3
4 Brother/sister 1
5 Brother/sister 2
6 Brother/sister 3
7 Niece/nephew 1
8 Niece/nephew 2
9 Niece/nephew 3
10 Parent
11 Other parent
12 Other family member

SPSS Syntax

```
COMPUTE othr6=-99.
EXECUTE.
RECODE othrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into othr6.
VARIABLE LABELS othr6 '(D) Grouped, hours of help provided in the last week by other family member who
helped the most (6 groups, 50+)'.
VALUE LABELS othr6 1 'No help'  2 '<1 hour'  3 '1-9'  4 '10-19'  5 '20-49'  6 '50+'.


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'.


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'.


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".
```

```
compute otmost=-1.
if othrs=HlpHrsI20g9 otmost=12.
if othrs=HlpHrsI19g9 otmost=11.
if othrs=HlpHrsI18g9 otmost=10.
if othrs=HlpHrsI17g9 otmost=9.
if othrs=HlpHrsI16g9 otmost=8.
if othrs=HlpHrsI15g9 otmost=7.
if othrs=HlpHrsI13g9 otmost=6.
if othrs=HlpHrsI12g9 otmost=5.
if othrs=HlpHrsI11g9 otmost=4.
if othrs=HlpHrsI10g9 otmost=3.
if othrs=HlpHrsI09g9 otmost=2.
if othrs=HlpHrsI08g9 otmost=1.
if othrs=-1 otmost=-1.
VARIABLE LABELS OTmost '(D) Other family member who provided most hours of care'.
VALUE LABELS OTmost  1 'Grandchild 1'   2 'Grandchild 2'
 3 'Grandchild 3'   4 'Brother/sister 1'
 5 'Brother/sister 2'   6 'Brother/sister 3'
 7 'Niece/nephew 1'   8 'Niece/nephew 2'   9 'Niece/nephew 3'
 10 'Parent'   11'Other parent'   12 'Other family member'.
```

FNHR6: (D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (6 groups, 50+)

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

FNHR10: (D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 10+)

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

FNHR20: (D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (4 groups, 20+)

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

FNHRS: (D) Grouped, hours of help provided in the last week by friend or neighbour who helped the most (9 groups)

    -8 Don't Know
    -1 Not applicable
     1 No help in the last week
     2 Less than one hour
     3 1-4 hours
     4 5-9 hours
     5 10-19 hours
     6 20-34 hours
     7 35-49 hours
     8 50-99 hours
     9 100 hours or more.

SPSS Syntax

```
COMPUTE FNhr6=-99.
RECODE FNhrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into FNhr6.
VARIABLE LABELS FNhr6 '(D) Grouped, hours of help provided in the last week by friend or neighbour who
helped the most (6 groups, 50+)'.
VALUE LABELS FNhr6 1 'No help'  2 '<1 hour'  3 '1-9'  4 '10-19'  5 '20-49'  6 '50+'.

COMPUTE FNhr10=-99.
RECODE FNhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into FNhr10.
VARIABLE LABELS FNhr10 '(D) Grouped, hours of help provided in the last week by friend or neighbour who
helped the most (4 groups, 10+)'.
VALUE LABELS FNhr10 1 'No help'  2 '<1 hour'  3 '1-10'  4 '10 or more'.

COMPUTE FNhr20=-99.
RECODE FNhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into FNhr20.
VARIABLE LABELS FNhr20 '(D)Grouped, hours of help provided in the last week by friend or neighbour who
helped the most (4 groups, 20+)'.
VALUE LABELS FNhr20 1 'No help'  2 '<1 hour' 3 '1-19'  4 '20 or more'.
```

```
COMPUTE FNhrs=MAX(HlpHrsI21g9, HlpHrsI22g9, HlpHrsI23g9, HlpHrsI24g9, HlpHrsI25g9, HlpHrsI26g9 ).
VARIABLE LABELS FNhrs '(D) Grouped, hours of help provided in the last week by friend or neighbour who
helped the most (9 groups)'.
VALUE LABELS FNhrs  -8 "Don't Know" -1 "Not applicable" 1 "No help in the last week" 2 "Less than one
hour" 3 "1-4 hours" 4 "5-9 hours" 5 "10-19 hours" 6 "20-34 hours" 7 "35-49 hours" 8 "50-99 hours"
9 "100 hours or more".
```

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

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

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

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

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

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

HCHRS1: (D) Hours of help provided in the last week by home care worker who helped the most

1 Home care worker 1
2 Home care worker 2
3 Home care worker 3

HCHRS: (D) Grouped, hours of help provided in the last week by home care worker who helped the most (9 groups)

1 No help
2 <1 hour
3 1-4
4 5-9
5 10-19
6 20-34
7 35-49
8 50-99
9 100 hours or more.

SPSS Syntax

```
COMPUTE HCHr6=-99.
recode HCHrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6) (-8=-8)(else=-1) into HCHr6.
Variable labels HCHr6 '(D) Grouped, hours of help provided in the last week by home care worker who helped
the most (6 groups, 50+)'.
value labels HCHr6  1 'No help'   2 '<1 hour'   3 '1-9'   4 '10-19'   5 '20-49'   6 '50+'.
COMPUTE HCHr10=-99.
recode HCHrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4) (-8=-8) (else=-1)into HCHr10.
variable labels HCHr10 '(D) Grouped, hours of help provided in the last week by home care worker who
helped the most (4 groups, 10+)'.
value labels HCHr10  1 'No help'   2 '<1 hour'   3 '1-9'   4 '10 or more'.

COMPUTE HCHr20=-99.
recode HCHrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4) (-8=-8)(else=-1) into HCHr20.
variable labels HCHr20 '(D) Grouped, hours of help provided in the last week by home care worker who
helped the most (4 groups, 20+)'.
value labels HCHr20  1 'No help'   2 '<1 hour'   3 '1-19'   4 '20 or more'.

COMPUTE HCHrs1=MAX(Hrsform27, Hrsform28, Hrsform29).
VARIABLE LABELS HCHrs1 "(D) Hours of help provided in the last week by home care worker who helped the
most".
*COMPUTE HCmost=-1.
IF HCHrs1=Hrsform29 HCmost=3.
IF HCHrs1=Hrsform28 HCmost=2.
IF HCHrs1=Hrsform27 HCmost=1.
IF HCHrs1=-1 HCmost=-1.
VARIABLE LABELS HCmost '(D) Home care worker who gave most hours of care'.
VALUE LABELS HCmost  1 'Home care worker 1'   2 'Home care worker 2'   3 'Home care worker 3'.

COMPUTE HCHrs=-99.
```

```
RECODE HCHrs1 (100 thru Hi=9) (50 thru 100=8) (35 thru 50=7) (20 thru 35=6) (10 thru 20=5) (5 thru 10=4)
(1 thru 5=3) (0.01 thru 1=2)(0=1)
(-8=-8) (else=-1) into HCHrs.
VARIABLE LABELS HCHrs '(D) Grouped, hours of help provided in the last week by home care worker who helped
the most (9 groups)'.
value labels HCHrs 1 'No help'  2 '<1 hour'  3 '1-4'  4 '5-9' 5 '10-19'  6 '20-34' 7 '35-49' 8 '50-99'
9 '100 hours or more'.
```

Payment for care

PayCare: (D) Payment for Care

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

SPSS Syntax

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

People cared for

GAVEHLP: (D) Provided help – binary

  0 No
  1 Yes

SPSS Syntax

```
COMPUTE gavehlp=-99.
IF age<16 gavehlp = -1.
IF checkhlp = 1 gavehlp = 1.
IF checkhlp = 2 gavehlp = 0.
IF ProvHlp = 2 gavehlp = 0.
IF ProvHlp < 0 gavehlp = ProvHlp.
Variable labels GAVEHLP "(D) Provided help – binary".
Add value labels GAVEHLP 0 "No" 1 "Yes".
```

HELPNUM: (D) Number provided help to – grouped

  0 0
  1 1
  2 2
  3 3 or more

SPSS Syntax

```
compute helpnum=-99.
if helpno =1 helpnum=1.
if helpno=2 helpnum=2.
if helpno>=3 helpnum =3.
if helpno>=21 helpnum=-1.
if helpno<0 helpnum=helpno.
if gavehlp=0 or helpno = 0 helpnum=0
Variable labels HELPNUM  "(D) Number provided help to – grouped".
Add value labels HelpNum 0 "0" 1 "1" 2 "2" 3  "3 or more".
```

PrRelHWP: (D) Who is cared for: Husband/Wife/Partner

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute  PrRelHWP =-99.
if NOT any(1, Pr1rel, pr2rel, pr3rel) PrRelHWP =0.
if any(1, Pr1rel, pr2rel, pr3rel) PrRelHWP = 1.
if any(-9, Pr1rel, pr2rel, pr3rel) PrRelHWP = -9.
if any(-8, Pr1rel, pr2rel, pr3rel) PrRelHWP = -8.
if Helpno <1 PrRelHWP =-1.
exe.
Variable labels PrRelHWP   "(D) Who is cared for: Husband/Wife/Partner".
Add value labels PrRelHWP  0 "Not mentioned"  1  "Mentioned".
```

PrRelMoth: (D) Who is cared for: Mother (including mother-in-law)

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelMoth =-99.
if NOT any(2, Pr1rel, Pr2rel, Pr3rel) PrRelMoth =0.
if any(2, Pr1rel, Pr2rel, Pr3rel) PrRelMoth =1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelMoth =-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelMoth =-8.
if helpno<1 PrRelMoth = -1.
exe.
Variable labels PrRelMoth "(D) Who is cared for: Mother (including mother-in-law)".
Add value labels PrRelMoth  0 "Not mentioned"   1  "Mentioned".
```

PrRelFath: (D) Who is cared for: Father (including father-in-law)

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelFath =-99.
if NOT any(3, Pr1rel, Pr2rel, Pr3rel) PrRelFath =0.
if any(3, Pr1rel, Pr2rel, Pr3rel) PrRelFath =1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelFath =-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelFath =-8.
if helpno<1 PrRelFath = -1.
exe.
Variable Labels PrRelFath "(D) Who is cared for: Father (including father-in-law)".
Add value labels PrRelFath  0 "Not mentioned"   1  "Mentioned".
```

PrRelSD: (D) Who is cared for: Son or daughter (including stepchildren, adopted children or children-in-law)

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute PrRelSD = -99.
if not (any(4, Pr1rel, Pr2rel, Pr3rel) or any(5, Pr1rel, Pr2rel, Pr3rel)) PrRelSD =0.
if any(4, Pr1rel, Pr2rel, Pr3rel) or any(5, Pr1rel, Pr2rel, Pr3rel) PrRelSD =1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelSD =-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelSD =-8.
if helpno<1 PrRelSD  =-1.
exe.
Variable labels PrRelSD "(D) Who is cared for: Son or daughter (including stepchildren, adopted children
or children-in-law)".
 Add value labels PrRelSD  0  "Not mentioned"   1  "Mentioned".
```

PrRelGrPa: (D) Who is cared for: Grandparent

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelGrPa =-99.
if not any(6, Pr1rel, Pr2rel, Pr3rel) PrRelGrPa =0.
if any(6, Pr1rel, Pr2rel, Pr3rel) PrRelGrPa =1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelGrPa =-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelGrPa =-8.
if helpno<1 PrRelGrPa = -1.
exe. Variable labels PrRelGrPa "(D) Who is cared for: Grandparent"
 Add value labels PrRelGRPA  0 "Not mentioned"   1  "Mentioned".
```

PrRelGrCh: (D) Who is cared for: Grandchild (including great grandchildren)

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelGrCh =-99.
if not any(7, Pr1rel, Pr2rel, Pr3rel) PrRelGrCh =0.
if any(7, Pr1rel, Pr2rel, Pr3rel) PrRelGrCh =1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelGrCh =-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelGrCh =-8.
if helpno<1 PrRelGrCh = -1.
exe.
Variable Labels PrRelGrCh "(D) Who is cared for: Grandchild (including great grandchildren)".
Add value labels PrRelGRCH  0 "Not mentioned"   1  "Mentioned".
```

PrRelBrSi: (D) Who is cared for: Brother or sister

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelBrSi =-99.
if not any(8, Pr1rel, Pr2rel, Pr3rel) PrRelBrSi =0.
if any(8, Pr1rel, Pr2rel, Pr3rel) PrRelBrSi=1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelBrSi=-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelBrSi=-8.
if helpno<1 PrRelBrSi= -1.
exe.
Variable labels PrRelBrSi "(D) Who is cared for: Brother or sister".
 Add value labels PrRelBRSi  0 "Not mentioned"   1  "Mentioned".
```

PrRelOFam: (D) Who is cared for: Other family member

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelOFam =-99.
if not any(9, Pr1rel, Pr2rel, Pr3rel) PrRelOFam=0.
if any(9, Pr1rel, Pr2rel, Pr3rel) PrRelOFam=1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelOFam=-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelOFam=-8.
if helpno<1 PrRelOFam= -1.
exe.
Variable labels PrRelOFam "(D) Who is cared for: Other family member".
Add value labels PrRelOFam  0 "Not mentioned"   1  "Mentioned".
```

PrRelFr: (D) Who is cared for: Friend

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelFr=-99.
if NOT any(10, Pr1rel, Pr2rel, Pr3rel) PrRelFr =0.
if any(10, Pr1rel, Pr2rel, Pr3rel) PrRelFr=1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelFr=-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelFr=-8.
if helpno<1 PrRelFr= -1.
exe.
Variable labels PrRelFr "(D) Who is cared for: Friend".
Add value labels PrRelFr  0  "Not mentioned"   1  "Mentioned".
```

PrRelNei: (D) Who is cared for: Neighbour

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelNei=-99.
if NOT any(11, Pr1rel, Pr2rel, Pr3rel) PrRelNei =0.
if any(11, Pr1rel, Pr2rel, Pr3rel) PrRelNei =1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelNei =-9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelNei =-8.
if helpno<1 PrRelNei= -1.
exe.
Variable labels PrRelNei "(D) Who is cared for: Neighbour".
Add value labels PrRelNei  0  "Not mentioned"   1  "Mentioned".
```

PrRelOther: (D) Who is cared for: Someone else

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute PrRelOther=-99.
if  NOT (any(12, Pr1rel, Pr2rel, Pr3rel)  or  any(13, Pr1rel, Pr2rel, Pr3rel)  or any(14, Pr1rel, Pr2rel,
Pr3rel)) PrRelOther =0.
if any(12, Pr1rel, Pr2rel, Pr3rel)  or  any(13, Pr1rel, Pr2rel, Pr3rel)  or any(14, Pr1rel, Pr2rel,
Pr3rel) PrRelOther=1.
if any(-9, Pr1rel, Pr2rel, Pr3rel) PrRelOther= -9.
if any(-8, Pr1rel, Pr2rel, Pr3rel) PrRelOther= -8.
if helpno<1 PrRelOther= -1.
Exe.
Variable labels PrRelOther "(D) Who is cared for: Someone else".
Add value labels PrRelOther  0   "Not mentioned"   1   "Mentioned".
```

PrCareHHY: (D) Cares for someone in the same household

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute  PrCareHHY = -99.
if  not any(1, Prhhold, prhhold2, prhhold3) PrCareHHY =0.
if any(1, Prhhold, prhhold2, prhhold3) PrCareHHY =1.
if any(-9, Prhhold, prhhold2, prhhold3) PrCareHHY =-9.
if any(-8, Prhhold, prhhold2, prhhold3) PrCareHHY =-8.
if helpno <1 PrCareHHY = -1.
exe.
Variable labels PrCareHHY "(D) Cares for someone in the same household".
Add value labels PrCareHHY  0 "Not mentioned"   1   "Mentioned".
```

PrCareHHD: (D) Cares for someone in a different household

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute  PrCareHHD = -99.
if not any(2, Prhhold, prhhold2, prhhold3) PrCareHHD =0.
if any(2, Prhhold, prhhold2, prhhold3) PrCareHHD=1.
if any(-9, Prhhold, prhhold2, prhhold3) PrCareHHD=-9.
if any(-8, Prhhold, prhhold2, prhhold3) PrCareHHD=-8.
if helpno <1 PrCareHHD = -1.
 exe.
Variable labels  PrCareHHD "(D) Cares for someone in a different household".
Add value labels PrCareHHD  0 "Not mentioned"   1   "Mentioned".
```

Time spent caring

GRPHRS4: (D) Grouped hours provided 20+ (for care recipient for whom most hours provided)

    1   No help
    2   Less than 1 hour
    3   1 to 9
    4   10 to 19
    5   20 or more

SPSS Syntax

```
recode grphrs6 (1=1) (2=2) (3=3) (4 = 4) (5 thru hi = 5) (else = copy) into grphrs4.
Variable labels GRPHRS4 "(D) Grouped hours provided 20+ (for care recipient for whom most hours
provided)".
Value labels GrpHRS4 1  "No help" 2  "Less than 1 hour" 3    "1 to 9"  4 "10 to 19"
5 "20 or more".
```

GRPHRS6: (D) Grouped hours provided (for care recipient for whom most hours provided)

    1   No help
    2   Less than 1 hour
    3   1 to 9
    4   10 to 19
    5   20 to 49
    6   50 or more

SPSS Syntax

```
Compute grphrs6=-99.
IF ProvHlp = -1 grphrs6 = -1.
IF Any(-1, prhours, prhours2, prhours4) grphrs6 = -1.
IF Any(-8, prhours, prhours2, prhours4) grphrs6 = -8.
IF Any(-9, prhours, prhours2, prhours4) grphrs6 = -9.
IF prhours=1 or prhours2=1 or prhours4=1 grphrs6=1.
if prhours=2 or prhours2=2 or prhours4=2 grphrs6=2.
if prhours=3 or prhours=4 or prhours2=3 or prhours2=4 or prhours4=3 or prhours4=4 grphrs6=3.
if prhours=5 or prhours2=5 or prhours4=5 grphrs6=4.
if prhours=6 or prhours=7 or prhours2=6 or prhours2=7 or prhours4=6 or prhours4=7 grphrs6=5.
if prhours=8 or prhours=9 or prhours2=8 or prhours2=9 or prhours4=8 or prhours4=9 grphrs6=6.
exe.
Variable labels GRPHRS6 "(D) Grouped hours provided (for care recipient for whom most hours provided)".
Value labels Grphrs6 1 "No help" 2  "Less than 1 hour" 3   "1 to 9" 4 "10 to 19" 5   "20 to 49"
6 "50 or more".
```

GRPHRS10:(D) 10+ hours provided (for care recipient for whom most hours provided)

    1   No hours
    2   1 to 10 hours
    3   10 or more hours

SPSS Syntax

```
RECODE grphrs6 (1=1) (2 thru 3=2) (4 thru 6=3) (Else = Copy) into grphrs10.
Variable labels GRPHRS10   "D) 10+ hours provided (for care recipient for whom most hours provided)".
Value labels Grphrs10 1 "No hours" 2 "1 to 10 hours" 3   "10 or more hours".
```

GRPHRS20: (D) 20+ hours provided (for care recipient for whom most hours provided)

    1   No hours
    2   1 to 19 hours
    3   20 or more hours

SPSS Syntax

```
recode grphrs6 (1=1) (2 thru 4=2) (5 thru 6=3) (Else = Copy) into grphrs20.
Variable labels GRPHRS20   "(D) 20+ hours provided (for care recipient for whom most hours provided)".
Value labels Grphrs20 1 "No hours" 2 " 1 to 19 hours" 3   "20 or more hours".
```

grphrs20g4: (D) Grouped hours provided 20+ with no help and less than 1 hour combined (for care recipient for whom most hours provided)

    1   No help/ less than 1 hour
    2   1 to 9
    3   10 to 19
    4   20 or more

SPSS Syntax

```
Recode grphrs4 (1,2 = 1) (3=2) (4=3) (5=4) (else = copy) into grphrs20g4.
Variable labels grphrs20g4 "(D) Grouped hours provided 20+ with no help and less than 1 hour combined (for
care recipient for whom most hours provided)".
Value labels Grphrs20g4 1 "No help/ less than 1 hour" 2 "1 to 9"  3    "10 to 19" 4   "20 or more".
```

grphrs10g3: (D) Grouped hours provided 10+ with no help and less than 1 hour combined (for care recipient for whom most hours provided)

    1   No help/ less than 1 hour
    2   1 to 9
    3   10 or more hours

SPSS Syntax

```
recode  grphrs20g4 (1=1) (2=2) (3, 4 = 3) (else =copy) into grphrs10g3.
Variable labels grphrs10g3 "(D) Grouped hours provided 10+ with no help and less than 1 hour combined (for
care recipient for whom most hours provided)".
Value labels grphrs10g3 1 "No help/ less than 1 hour" 2 "  1 to 9" 3    "10 or more hours".
```

grphrs10g2: (D) Grouped hours provided 10+, 2 groups (for care recipient for whom most hours provided)

    1   No help/ less than 1 hour
    2   1-9, 10 or more hours

SPSS Syntax

```
recode grphrs10g3 (1 = 1) (2,3=2) (else = copy) into grphrs10g2.
Variable labels grphrs10g2 "(D) Grouped hours provided 10+, 2 groups (for care recipient for whom most
hours provided)".
Value labels grphrs10g2 1 "No help/ less than 1 hour" 2 "1-9, 10 or more hours".
```

MOSTHRS: (D) Care recipient for most hours provided

    1   Care recipient 1
    2   Care recipient 2
    3   Care recipient 3

SPSS Syntax

```
compute mosthrs1=MAX(PrHours, PrHours2, PrHours4).
compute mosthrs=-99.
if mosthrs1=PrHours4 mosthrs=3.
if mosthrs1=PrHours2 mosthrs=2.
if mosthrs1=PrHours mosthrs=1.
if prhours=-1 mosthrs=-1.
Variable labels mosthrs MOSTHRS "(D) Care recipient for most hours provided".
Value labels Mosthrs 1 "Care recipient 1" 2 "Care recipient 2" 3    "Care recipient 3".
```

Carers support

Support1D: (D) Support received for caring: Help from GP or nurse
Support2D: (D) Support received for caring: Access to respite care
Support3D: (D) Support received for caring: Help from professional care staff
Support4D: (D) Support received for caring: Help from carers' organisation or charity
Support5D: (D) Support received for caring: Help from other family members
Support6D: (D) Support received for caring: Advice from local authority/ social services
Support7D: (D) Support received for caring: Help from friends/neighbours
Support8D: (D) Support received for caring: None of these

    0   No
    1   Yes

SPSS Syntax

```
Do repeat xxx = support1 support2 support3 support4 support5 support6 support7
/yyy = support9 suppor10 suppor11 suppor12 suppor13 suppor14 suppor15
/zzz = suppor17 suppor18 suppor19 suppor20 suppor21 suppor22 suppor23
/aaa = Support1D Support2D Support3D Support4D Support5D Support6D Support7D.
Compute aaa = -99.
if any(-8, xxx, yyy, zzz) aaa = -8.
if any(-9, xxx, yyy, zzz) aaa = -9.
if  xxx =-1 and yyy =-1 and zzz=-1 aaa = -1.
if any(0, xxx, yyy, zzz) aaa = 0.
if any(1, xxx, yyy, zzz) aaa = 1.
if  Support8 = 1 and  Suppor16 =1 and  suppor24 = 1 aaa = 0.
end repeat.

Compute Support8D = -99.
if any(-9, support1d to support7d) Support8d =-9.
if any(-8, support1d to support7d) Support8d =-8.
if any(1, support1d to support7d) Support8d = 0.
if (support1d = -1 and support2d = -1 and support3d = -1 and support4d = -1 and support5d = -1 and
support6d = -1 and support7d=-1) support8d =-1.
if (support1d = 0 and support2d = 0 and support3d = 0 and support4d = 0 and support5d = 0 and support6d =0
and support7d=0) support8d =1.
Variable labels Support1D "(D) Support received for caring: Help from GP or nurse"
Support2D "(D) Support received for caring: Access to respite care"
Support3D "(D) Support received for caring: Help from professional care staff"
Support4D "(D) Support received for caring: Help from carers' organisation or charity"
Support5D "(D) Support received for caring: Help from other family members"
Support6D "(D) Support received for caring: Advice from local authority/ social services"
Support7D "(D) Support received for caring: Help from friends/neighbours"
Support8D "(D) Support received for caring: None of these".
Value labels Support1d to Support7D Support8D 0 "No" 1 "Yes".
```

Carers

Care provided

HelpPerCa: (D) Type of help provided: Personal Care (e.g. washing self, having a bath or shower)

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute HelpPerCa = -99.
if not any(1, p1_WhchHlp1, p2_WhchHlp1, p3_WhchHlp1) HelpPerCa =0.
if any(1, p1_WhchHlp1, p2_WhchHlp1, p3_WhchHlp1) HelpPerCa =1.
if any(-9, p1_WhchHlp1, p2_WhchHlp1, p3_WhchHlp1) HelpPerCa =-9.
if any(-8, p1_WhchHlp1, p2_WhchHlp1, p3_WhchHlp1) HelpPerCa =-8.
if helpno<1 HelpPerCa = -1.
exe.
Variable labels HelpPerCa "(D) Type of help provided: Personal Care (e.g. washing self, having a bath or
shower)".
Value labels HelpPerCa 0  "Not mentioned"  1  "Mentioned".
```

HelpPhys: (D) Type of help provided: Physical help (e.g. to get around indoors, to get up and down stairs)

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute HelpPhys = -99.
if not any(1, p1_WhchHlp2, p2_WhchHlp2, p3_WhchHlp2) HelpPhys =0.
if any(1, p1_WhchHlp2, p2_WhchHlp2, p3_WhchHlp2) HelpPhys = 1.
if any(-9, p1_WhchHlp2, p2_WhchHlp2, p3_WhchHlp2) HelpPhys = -9.
if any(-8, p1_WhchHlp2, p2_WhchHlp2, p3_WhchHlp2) HelpPhys = -8.
if helpno <1  HelpPhys = -1.
exe.
Variable labels HelpPhys  "(D) Type of help provided: Physical help (e.g. to get around indoors, to get
up and down stairs)".
Value labels HelpPhys 0 "Not mentioned"  1  "Mentioned".
```

HelpCSB: (D) Type of help provided: Help with dealing with care services and benefits

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute HelpCSB =-99.
if NOT any(1, p1_WhchHlp3, p2_WhchHlp3, p3_WhchHlp3) HelpCSB = 0.
if any(1, p1_WhchHlp3, p2_WhchHlp3, p3_WhchHlp3) HelpCSB = 1.
if any(-9, p1_WhchHlp3, p2_WhchHlp3, p3_WhchHlp3) HelpCSB = -9.
if any(-8, p1_WhchHlp3, p2_WhchHlp3, p3_WhchHlp3) HelpCSB = -8.
if helpno <1 HelpCSB = -1.
exe.
Variable labels HelpCSB "(D) Type of help provided: Help with dealing with care services and benefits".
Value labels HelpCSB 0  "Not mentioned"  1  "Mentioned".
```

HelpPWF: (D) Type of help provided: Help with other paperwork or financial matters

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute HelpPWF = -99.
if NOT any(1, P1_WhchHlp4, p2_WhchHlp4, p3_WhchHlp4) HelpPWF =0.
if any(1, P1_WhchHlp4, p2_WhchHlp4, p3_WhchHlp4) HelpPWF =1.
if any(-9,  P1_WhchHlp4, p2_WhchHlp4, p3_WhchHlp4) HelpPWF =-9.
if any(-8, P1_WhchHlp4, p2_WhchHlp4, p3_WhchHlp4) HelpPWF =-8.
if helpno<1 HelpPWF = -1.
exe.
Variable labels  HelpPWF "(D) Type of help provided: Help with other paperwork or financial matters".
Value labels HelpPWF 0  "Not mentioned"  1  "Mentioned".
```

HelpOthPr: (D) Type of help provided: Other practical help (e.g. shopping for food)

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute  HelpOthPr =-99.
if NOT any(1, P1_WhchHlp5, p2_WhchHlp5, p3_WhchHlp5) HelpOthPr =0.
if any(1, P1_WhchHlp5, p2_WhchHlp5, p3_WhchHlp5) HelpOthPr =1.
if any(-9, P1_WhchHlp5, p2_WhchHlp5, p3_WhchHlp5) HelpOthPr =-9.
if any(-8,P1_WhchHlp5, p2_WhchHlp5, p3_WhchHlp5) HelpOthPr =-8.
if helpno <1 HelpOthPr = -1.
exe.
Variable labels HelpOthPr  "(D) Type of help provided: Other practical help (e.g. shopping for food)".
Value labels HelpOthPr 0   "Not mentioned"   1  "Mentioned".
```

HelpComp: (D) Type of help provided: Keeping them company

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute HelpComp =-99.
if NOT any(1,  p1_WhchHlp6, p2_WhchHlp6, p3_WhchHlp6) HelpComp =0.
if any(1,  p1_WhchHlp6, p2_WhchHlp6, p3_WhchHlp6) HelpComp = 1.
if any(-9,  p1_WhchHlp6, p2_WhchHlp6, p3_WhchHlp6) HelpComp = -9.
if any(-8, p1_WhchHlp6, p2_WhchHlp6, p3_WhchHlp6) HelpComp = -8.
if helpno <1 HelpComp =-1.
exe.
Variable labels HelpComp   "(D) Type of help provided: Keeping them company".
Value labels HelpComp 0 "Not mentioned"   1  "Mentioned".
```

HelpTakO: (D) Type of help provided: Taking them out

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute HelpTakO =-99.
if NOT any(1, p1_WhchHlp7, p2_WhchHlp7, p3_WhchHlp7) HelpTakO =0.
if any(1, p1_WhchHlp7, p2_WhchHlp7, p3_WhchHlp7) HelpTakO =1.
if any(-9, p1_WhchHlp7, p2_WhchHlp7, p3_WhchHlp7) HelpTakO =-9.
if any(-8, p1_WhchHlp7, p2_WhchHlp7, p3_WhchHlp7) HelpTakO =-8.
if helpno <1 HelpTakO = -1.
exe.
Variable labels HelpTakO   "(D) Type of help provided: Taking them out".
Value labels HelpTakO 0 "Not mentioned"   1  "Mentioned".
```

HelpMed: (D) Type of help provided: Giving medicines

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute HelpMed = -99.
if NOT any(1, p1_WhchHlp8, p2_WhchHlp8, p3_WhchHlp8) HelpMed =0.
if any(1, p1_WhchHlp8, p2_WhchHlp8, p3_WhchHlp8) HelpMed = 1.
if any(-9, p1_WhchHlp8, p2_WhchHlp8, p3_WhchHlp8) HelpMed = -9.
if any(-8, p1_WhchHlp8, p2_WhchHlp8, p3_WhchHlp8) HelpMed = -8.
if helpno <1 HelpMed = -1.
exe.
Variable labels HelpMed "(D) Type of help provided: Giving medicines".
Value labels HelpMed 0  "Not mentioned"   1  "Mentioned".
```

HelpKeep: (D) Type of help provided: Keeping an eye on them to see if they are alright

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute  HelpKeep = -99.
if NOT any(1, p1_WhchHlp9, p2_WhchHlp9, p3_WhchHlp9) HelpKeep =0.
if any(1, p1 WhchHlp9, p2 WhchHlp9, p3 WhchHlp9) HelpKeep =1.
if any(-9, p1_WhchHlp9, p2_WhchHlp9, p3_WhchHlp9) HelpKeep =-9.
if any(-8, p1_WhchHlp9, p2_WhchHlp9, p3_WhchHlp9) HelpKeep =-8.
if helpno <1 HelpKeep =-1.
exe.
Variable labels HelpKeep   "(D) Type of help provided: Keeping an eye on them to see if they are alright".
Value labels HelpKeep 0 "Not mentioned"   1  "Mentioned".
```

HelpNone: (D) Type of help provided: None of these

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute HelpNone = -99.
IF any(1,P1_WhchHlp10, P2_WhchHlp10, P3_WhchHlp10) HelpNone= 1.
IF any(0,P1_WhchHlp10, P2_WhchHlp10, P3_WhchHlp10) HelpNone= 0.
IF ANY(-9, P1_WhchHlp10, P2_WhchHlp10, P3_WhchHlp10) HelpNone= -9.
IF ANY(-8, P1_WhchHlp10, P2_WhchHlp10, P3_WhchHlp10) HelpNone= -8.
if helpno <1 HelpNone = -1.
Variable labels HelpNone   "(D) Type of help provided: None of these".
Value labels HelpNone 0 "Not mentioned"   1  "Mentioned".
```

LongHelp: (D) How long care has been provided for (all people cared for, longest amount of time)

    1   Less than 6 months
    2   6-12 months
    3   1-3 years
    4   3-5 years
    5   5-10 years
    6   10-15 years
    7   15-20 years
    8   More than 20 years

SPSS Syntax

```
Compute LongHelp = Max (P1_Long, P2_Long, P3_Long).
if any(-9, P1_Long, P2_Long, P3_Long) LongHelp = -9.
if any(-8, P1_Long, P2_Long, P3_Long) LongHelp = -8.
if helpno <1 LongHelp = -1.
exe.
Variable labels LongHelp   "(D) How long care has been provided for (all people cared for, longest amount
of time)".
Value labels LongHelp 1 "Less than 6 months" 2 "6-12 months" 3 "1-3 years" 4 "3-5 years"
5 "5-10 years" 6  "10-15 years" 7  "15-20 years" 8 "More than 20 years".
```

LongHelpG7: (D) How long care has been provided for (all people cared for, longest amount of time) (grouped)

    1   Less than 6 months
    2   6-12 months
    3   1-3 years
    4   3-5 years
    5   5-10 years
    6   10-20 years
    7   More than 20 years

SPSS Syntax

```
recode LongHelp (1=1) (2=2) (3=3) (4=4) (5=5) (6,7= 6) (8=7) (else = copy) into LongHelpG7.
Variable labels LongHelpG7 "(D) How long care has been provided for (all people cared for, longest amount
of time) (grouped)".
Value labels LongHelpG7 1  "Less than 6 months" 2   "6-12 months"
3 "1-3 years" 4 " 3-5 years" 5    "5-10 years" 6   "10-20 years" 7    "More than 20 years".
```

Impact of caring responsibilities

CareLeiSoc: (D) Impact of caring responsibilities on social contacts and leisure activities: unable to socialise

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute  CareLeiSoc = -99.
if not any(1, P1_CareLeis1, P2_CareLeis1 ,P3_CareLeis1) CareLeiSoc =0.
if any(1, P1_CareLeis1, P2_CareLeis1 ,P3_CareLeis1) CareLeiSoc =1.
if any(-9, P1_CareLeis1, P2_CareLeis1 ,P3_CareLeis1) CareLeiSoc =-9.
if any(-8, P1_CareLeis1, P2_CareLeis1 ,P3_CareLeis1) CareLeiSoc =-8.
if Helpno <1 CareLeiSoc  = -1.
exe.
Variable labels CareLeiSoc "(D) Impact of caring responsibilities on social contacts and leisure
activities: unable to socialise".
Value labels CareLeiSoc 0  "Not mentioned"   1  "Mentioned".
```

CareLeiSP: (D) Impact of caring responsibilities on social contacts and leisure activities: reduced time with spouse or partner

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute CareLeiSP = -99.
if not any(1, P1_CareLeis2, P2_CareLeis2 ,P3_CareLeis2) CareLeiSP = 0.
if any(1, P1_CareLeis2, P2_CareLeis2 ,P3_CareLeis2) CareLeiSP = 1.
if any(-9, P1_CareLeis2, P2_CareLeis2 ,P3_CareLeis2) CareLeiSP = -9.
if any(-8, P1_CareLeis2, P2_CareLeis2 ,P3_CareLeis2) CareLeiSP = -8.
if helpno <1  CareLeiSP = -1.
exe.
Variable labels CareLeiSP  "(D) Impact of caring responsibilities on social contacts and leisure
activities: reduced time with spouse or partner".
Value labels CareLeiSP 0   "Not mentioned"   1  "Mentioned".
```

CareLeiOF: (D) Impact of caring responsibilities on social contacts and leisure activities: reduced time with other family members

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute CareLeiOF = -99.
if not any(1, P1_CareLeis3, P2_CareLeis3 ,P3_CareLeis3) CareLeiOF = 0.
if any(1, P1_CareLeis3, P2_CareLeis3 ,P3_CareLeis3) CareLeiOF = 1.
if any(-9, P1_CareLeis3, P2_CareLeis3 ,P3_CareLeis3) CareLeiOF = -9.
if any(-8, P1_CareLeis3, P2_CareLeis3 ,P3_CareLeis3) CareLeiOF = -8.
if helpno <1 CareLeiOF = -1.
exe.
Variable labels CareLeiOF  "(D) Impact of caring responsibilities on social contacts and leisure
activities: reduced time with other family members".
Value labels CareLeiOF 0   "Not mentioned"   1  "Mentioned".
```

CareLeiFr: (D) Impact of caring responsibilities on social contacts and leisure activities: reduced time with friends

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute CareLeiFr = -99.
if not any(1, P1_CareLeis4, P2_CareLeis4 ,P3_CareLeis4) CareLeiFr =0.
if any(1, P1_CareLeis4, P2_CareLeis4 ,P3_CareLeis4) CareLeiFr =1.
if any(-9, P1_CareLeis4, P2_CareLeis4 ,P3_CareLeis4) CareLeiFr =-9.
if any(-8, P1_CareLeis4, P2_CareLeis4 ,P3_CareLeis4) CareLeiFr =-8.
if helpno <1 CareLeiFr = -1.
exe.
Variable labels CareLeiFr  "(D) Impact of caring responsibilities on social contacts and leisure
activities: reduced time with friends".
Value labels CareLeiFr 0   "Not mentioned"   1  "Mentioned".
```

CareLeiMF: (D) Impact of caring responsibilities on social contacts and leisure activities: difficulties making new friends

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute CareLeiMF =-99.
if not any(1, P1_CareLeis5, P2_CareLeis5 ,P3_CareLeis5) CareLeiMF =0.
if any(1, P1_CareLeis5, P2_CareLeis5 ,P3_CareLeis5) CareLeiMF =1.
if any(-9, P1_CareLeis5, P2_CareLeis5 ,P3_CareLeis5) CareLeiMF =-9.
if any(-8, P1_CareLeis5, P2_CareLeis5 ,P3_CareLeis5) CareLeiMF =-8.
if helpno <1 CareLeiMF = -1.
exe.
Variable labels CareLeiMF "(D) Impact of caring responsibilities on social contacts and leisure
activities: difficulties making new friends".
Value labels CareLeiMF 0  "Not mentioned"
1"Mentioned".
```

CareLeiSpor: (D) Impact of caring responsibilities on social contacts and leisure activities: reduced time doing sport or physical activity

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute  CareLeiSpor = -99.
if not any(1, P1_CareLeis6, P2_CareLeis6 ,P3_CareLeis6)  CareLeiSpor =0.
if any(1, P1_CareLeis6, P2_CareLeis6 ,P3_CareLeis6)  CareLeiSpor =1.
if any(-9, P1_CareLeis6, P2_CareLeis6 ,P3_CareLeis6)  CareLeiSpor =-9.
if any(-8, P1_CareLeis6, P2_CareLeis6 ,P3_CareLeis6)  CareLeiSpor =-8.
if helpno <1  CareLeiSpor =-1.
exe.
Variable labels CareLeiSpor  "(D) Impact of caring responsibilities on social contacts and leisure
activities: reduced time doing sport or physical activity".
Value labels CareLeiSpor 0 "Not mentioned"
    1  "Mentioned".
```

CareLeiHob: (D) Impact of caring responsibilities on social contacts and leisure activities: reduced time doing pastime or hobby

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
compute CareLeiHob = -99.
if not any(1, P1_CareLeis7, P2_CareLeis7 ,P3_CareLeis7) CareLeiHob =0.
if any(1, P1_CareLeis7, P2_CareLeis7 ,P3_CareLeis7) CareLeiHob =1.
if any(-9, P1_CareLeis7, P2_CareLeis7 ,P3_CareLeis7) CareLeiHob =-9.
if any(-8, P1_CareLeis7, P2_CareLeis7 ,P3_CareLeis7) CareLeiHob =-8.
if helpno<1 CareLeiHob = -1.
exe.
Variable labels CareLeiHob "(D) Impact of caring responsibilities on social contacts and leisure
activities: reduced time doing pastime or hobby".
Value labels CareLeiHob
0"Not mentioned"
1"Mentioned".
```

CareLeiOth: (D) Impact of caring responsibilities on social contacts and leisure activities: other

    0   Not mentioned
    1   Mentioned

SPSS Syntax

```
Compute CareLeiOth = -99.
if not any(1, P1_CareLeis8, P2_CareLeis8 ,P3_CareLeis8) CareLeiOth =0.
if any(1, P1_CareLeis8, P2_CareLeis8 ,P3_CareLeis8) CareLeiOth =1.
if any(-9, P1_CareLeis8, P2_CareLeis8 ,P3_CareLeis8) CareLeiOth =-9.
if any(-8, P1_CareLeis8, P2_CareLeis8 ,P3_CareLeis8) CareLeiOth =-8.
if helpno <1 CareLeiOth = -1.
exe.
Variable labels CareLeiOth "(D) Impact of caring responsibilities on social contacts and leisure
activities: other".
Value labels CareLeiOth
0"Not mentioned"
1"Mentioned".
```

CareLeiNo: (D) Impact of caring responsibilities on social contacts and leisure activities: none of these

    0   Some impacts
    1   No impact

SPSS Syntax

```
compute CareLeiNo = -99.
if any(1,  P1_CareLeis9, P2_CareLeis9 ,P3_CareLeis9) CareLeiNo =1.
if any(0,  P1_CareLeis9, P2_CareLeis9 ,P3_CareLeis9) CareLeiNo =0.
if any(-9,  P1_CareLeis9, P2_CareLeis9 ,P3_CareLeis9) CareLeiNo  = -9.
if any(-8,  P1_CareLeis9, P2_CareLeis9 ,P3_CareLeis9) CareLeiNo  = -8.
if helpno <1 CareLeiNo = -1.
exe.
Variable labels CareLeiNo  "(D) Impact of caring responsibilities on social contacts and leisure
activities: none of these".
Value labels CareLeiNo 0   "Some impacts"    1  "No impacts".
```

Caring responsibilities and employment

FlexAware: (D) Awareness of flexible working rights for carers - carers who are currently employed

    1   Yes
    2   No

SPSS Syntax

```
Do if range(Currsit, 3, 7).
Compute FlexAware = Flexwk.
if any(-8,  FlexWk) FlexAware= -8.
if any(-9,  FlexWk) FlexAware= -9.
else if any(CurrSit,-8,-9, 1,2).
Compute FlexAware = -1.
end if.
if HelpNo <1 FlexAware = -1.
exe.
Variable labels FlexAware  "(D) Awareness of flexible working rights for carers - carers who are currently
employed".
Value labels FlexAware 1   "Yes" 2  "No".
```

FlexReqWk: (D) Requested flexible working - carers who are currently employed

    1   Yes
    2   No

SPSS Syntax

```
Compute  FlexReqWk =  ReqFlex.
if FlexWk = 2 and range(currsit, 3,7) FlexReqWk = 3.
if any(-8, Reqflex, Flexwk )  and range(currsit, 3,7)  FlexReqWk  = -8.
if any(-9, Reqflex, Flexwk)  and range(currsit, 3,7) FlexReqWk  = -9.
if helpno <1 FlexReqWk = -1.
exe.
Variable labels FlexReqWk  "(D) Requested flexible working - carers who are currently employed".
Value labels FlexReqWk 1   "Yes" 2  "No".
```