



## List of Variables

Version 1

A survey carried out on behalf of The NHS Information Centre

*Joint Health Surveys Unit*

NatCen Social Research

Department of Epidemiology and Public Health, UCL Medical School



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# Introduction

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

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

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

HHold	Household CAPI Questionnaire
Indiv	Individual CAPI Questionnaire
Nurse	Nurse CAPI Questionnaire
SC ...	Self-Completion Booklet: SC 8-12, SC 13-15, SC Young Adults, SC Adult, SC Parents (SDQ) or where a question appears in more than one booklet the range is widened (e.g. SC8-15)
Lab	Results from laboratory, ie from saliva or serum testing
ARF	Address Record Form completed for each issued address
NRF	Nurse Record Form completed for each household where at least one person had agreed to a nurse interview
Derived	A variable derived from other variables, and detailed in the Derived Variable Specification document

# Classification

Household		
Variable	Description	Source
SERIALH <sup>1</sup>	Serial number of household	Hhold
ADULTS	Number of persons aged 16+ in the household	Hhold
CHILDREN	Number of children aged 2-15 in the household.	Hhold
INFANTS	Number of infants under age 2 in the household	Hhold
HHLDR1	In whose name is accommodation owned or rented - Person 1	Hhold
HHLDR2	In whose name is accommodation owned or rented - Person 2	Hhold
HHLDR3	In whose name is accommodation owned or rented - Person 3	Hhold
HHLDR4	In whose name is accommodation owned or rented - Person 4	Hhold
HHLDR5	In whose name is accommodation owned or rented - Person 5	Hhold
HHLDR6	In whose name is accommodation owned or rented - Person 6	Hhold
HHLDR7	In whose name is accommodation owned or rented - Person 7	Hhold
HHLDR8	In whose name is accommodation owned or rented - Person 8	Hhold
HHLDR9	In whose name is accommodation owned or rented - Person 9	Hhold
HHLDR10	In whose name is accommodation owned or rented - Person 10	Hhold
HHLDR11	In whose name is accommodation owned or rented - Person 11	Hhold
HHLDR12	In whose name is accommodation owned or rented - Person 12	Hhold
HHLDR97	Accommodation owned/rented by someone who is not a household member	Hhold
TENUREB	Household tenure	Hhold
JOBACCOM	Does the accommodation go with the job of anyone in the household?	Hhold
LANDLORD	Who is your landlord?	Hhold
FURN	Is the accommodation furnished	Hhold
BEDROOMS	Number of bedrooms in household	Hhold
PASSM	Does anyone smoke inside this house/flat on most days?	Hhold
NUMSM	Number of people who smoke inside this house/flat in most days	Hhold
CAR	Whether car or van normally available	Hhold
NUMCARS	Number of cars normally available	Hhold
FINOUTC	Final outcome code	Hhold
HHDTYPB	(D) Household Type	Derived
HHSIZE	(D) Household Size	Derived
NOFHH	Total number of households covered by this address	Hhold

Individual		
Variable	Description	Source
SERIALI <sup>2</sup>	Serial number of individual	Indiv
SEX	Sex	Hhold
AGE	Age last birthday	Hhold
DOBDAY*	Day of birth	Hhold
DOBMON*	Month of birth	Hhold
DOBYEAR*	Year of birth	Hhold
INDOUT	Individual outcome codes	Indiv
MONTHAGE	Age in months for infants under 1	Hhold
WEEKAGE	Age in weeks for infants under 2 years	Hhold
AG16G10	(D) Age 16+ in ten year bands	Derived
AG16G20	(D) Age 16+ in twenty year age bands	Derived
AG65G5	(D) Age 65+ in five year age bands	Derived
AG015G2	(D) Age 0-15 in two year bands	Derived
AG215G2	(D) Age 2-15 in two year bands	Derived
AG215G3	(D) Age 2-15: Approx 3 year age bands	Derived
AG415G3	(D) Age 4-15: 3 year age bands	Derived
AG515G3	(D) Age 5-15: Approx 3 year age bands	Derived
AG715G3	(D) Age 7-15: 3 year age bands	Derived
MARSTATC	(D) Marital status including cohabitantes	Derived
MARSTAT	(D) Marital status (4 groups)	Derived

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

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

\* Removed from dataset due to reasons of confidentiality.

## Admin

Variable	Description	Source
CHILD1	Person number of selected child 1	Hhold
CHILD2	Person number of selected child 2	Hhold
PERSNO	Person number	Indiv
INTNUM*	Interviewer number	Hhold
NHSCAN*	Permission to pass name to NHSCR	Indiv
REINTER*	Permission to contact for reinterview	Indiv
DINTB**	Day of interview	Indiv
MINTB	Month of interview	Indiv
YINTB*	Year of interview	Indiv
ADRESP	Who answers on behalf of child U13	Indiv
NUMP	Number of respondents in this questionnaire	Indiv
INTDAYW	(D) Weekday of individual interview	Derived
TNC_LAST*	Total No. of calls from successful interviewer	Indiv
TNC_SUM*	Total No. calls from all interviewers, including re-issues	Indiv
HHRESP	Person number who was responsible for answering the grids	Hhold
HQRESP	Status of person responsible for answering grids	Hhold
HHOLDER	Is this person mentioned at Hholder?	Indiv

## Booklet Admin

Variable	Description	Source
BOOKCHK	Aged 18 - 24: Asked about drinking/smoking or complete Young Adults SC	Indiv
SCTYPE	Type of Self completion offered	Indiv
SCOMP	Self completion done	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	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
SDQCHK	Was the cream booklet for parents completed?	Indiv
SDQCOMP0	Why SC booklet not completed/partially completed: Child away from home during fieldwork	Indiv
SDQCOMP1	Why SC booklet not completed/partially completed: Eyesight problems	Indiv
SDQCOMP2	Why SC booklet not completed/partially completed: Language problems	Indiv
SDQCOMP3	Why SC booklet not completed/partially completed: Reading/writing/comprehension problems	Indiv
SDQCOMP4	Why SC booklet not completed/partially completed: Respondent bored/fed up/tired	Indiv
SDQCOMP5	Why SC booklet not completed/partially completed: Questions too sensitive/invasion of privacy	Indiv

\* Removed from dataset due to reasons of confidentiality.

SDQCOMP6	Why SC booklet not completed/partially completed: Too long/too busy/ taken long enough already	Indiv
SDQCOMP7	Why SC booklet not completed/partially completed: Refused to complete booklet	Indiv
SDQCOMP8	Why SC booklet not completed/partially completed: Too long/too busy/ taken long enough already	Indiv
BOOKLET	(D) Eligible for which self-completion booklet	Derived
DIARY	Whether agreed to complete Drinking Diary	Indiv
DDCOMP	Whether Drinking Diary completed	Indiv
DIARYREC	Whether Drinking Diary received	Indiv

## Education

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

## Employment Status

Variable	Description	Source
HRPXSOC2 <sup>3</sup>	HRP: Standard Occupational Classification 2010	Hhold
HRPSIC07 <sup>4</sup>	HRP: Standard Industrial Classification 2007	Hhold
STHNSSEC	NS-SEC Operational Categories (hrp incl students)	Hhold
HRPID	Household Reference Person identifier	Hhold
HRPACTIV	HRP: Activity status for last week	Hhold
HRPSTWK	HRP: Did you do any paid work in last 7 days ending last Sunday?	Hhold
HRP4WKLK	HRP: Looking for paid work/govt scheme in last 4 weeks ending last Sunday?	Hhold
HRP2WKST	HRP: If job or training scheme available, able to start within 2 weeks?	Hhold
HRPEVERJ	HRP: Ever been in paid employment or been self-employed	Hhold
HRPOTHPD	HRP: Ever had other employment (apart from job you are waiting to take up)	Hhold
HRPLONG	HRP: How long have you been looking/were you looking for paid employment	Hhold
HRPPAYAG	HRP: Age when last had a paid job.	Hhold
HRPPYLST	HRP: Which year did you leave your last paid job?	Hhold
HRPPAYMN	HRP: Which month in that year did you leave?	Hhold

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

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

HRPFTPT	HRP: Whether working full time or part time	Hhold
HRPEMPLY	HRP: Whether an employee or self-employed	Hhold
HRPDIRCT	HRP: Whether director of a limited company	Hhold
HRPEMPST	HRP: Whether a manager or foreman	Hhold
HRPNEMPL	HRP: Number of employed at place of work (including yourself)	Hhold
HRPSNEMP	HRP: If self-employed, do/did you have any employees?	Hhold
SECTOR	Is organisation private sector, public sector or a non-profit	Indiv
HRPNSSEC	NS-SEC Operational Catagories (HRP)	Hhold
ACTIVB	Activity status for last week	Indiv
STWORK	Paid work in last 7 days	Indiv
WKLOOK4	Whether looking for any paid work or Govt Training Scheme at any time in the 4 weeks ending last Sunday	Indiv
WKSTRT2	If a job or place on Govt Training Scheme had been available, would you have been able to start within 2 weeks?	Indiv
EVERJOB	Whether ever been in paid employment or been self-employed	Indiv
OTHPAID	Ever had other employment (apart from job you are waiting to take up)	Indiv
HOWLONG	How long have you been looking/were you looking for paid employment	Indiv
PAYAGE	Age when last had a paid job	Indiv
PAYLAST	Year left last paid job	Indiv
PAYMON	Month last left paid job	Indiv
FTPTIME	Whether working full-time or part-time	Indiv
EMPLOYE	Whether employee/self employed	Indiv
DIRCTR	Whether director of a limited company	Indiv
EMPSTAT	Whether a manager or foreman	Indiv
NEMPLEE	Number of employed at place of work (including yourself)	Indiv
SNEMPLEE	If self-employed, do/did you have any employees?	Indiv
XSOC2010 <sup>5</sup>	Standard Occupational Classification 2010	Indiv
SIC2007 <sup>6</sup>	Standard Industrial Classification 2007	Indiv
STNSSEC	NS-SEC - long version	Indiv
NSSEC	NS-SEC - long version (harmonised)	Indiv
ECONACT	(D) Economic Status (4 groups)	Derived
ECONACT5	(D) Economic status (5 groups)	Derived
ECONACT2	(D) Economic status (2 groups)	Derived
NSSEC8	(D) NS-SEC 8 variable classification (individual)	Derived
NSSEC5	(D) NS-SEC 5 variable classification (individual)	Derived
NSSEC3	(D) NS-SEC 3 variable classification (individual)	Derived
HPNSSEC8	(D) NS-SEC 8 variable classification (hrp)	Derived
HPNSSEC5	(D) NS-SEC 5 variable classification (hrp)	Derived
HPNSSEC3	(D) NS-SEC 3 variable classification (hrp)	Derived

## Ethnicity/Identity (National/Sexual)

Variable	Description	Source
ORIGIN	Ethnic origin of individual	Indiv
RELIGSC	What is your religion?	SC
NATID1	National identity: English	Indiv
NATID2	National identity: Scottish	Indiv
NATID3	National identity: Welsh	Indiv
NATID4	National identity: Irish	Indiv
NATID5	National identity: British	Indiv
NATID6	National identity: Other	Indiv
YNATSC1	Which of these would you say you are?: English	SC
YNATSC2	Which of these would you say you are?: Scottish	SC
YNATSC3	Which of these would you say you are?: Welsh	SC
YNATSC4	Which of these would you say you are?: Irish	SC
YNATSC5	Which of these would you say you are?: British	SC
YNATSC6	Which of these would you say you are?: Something else	SC
SCSEXID	Which of the following options best describes how you think of yourself?	SC

## Income

Variable	Description	Source
SRCIN01B	Income: Earnings from employment or self-employment	Hhold
SRCIN02B	Income: State retirement pension	Hhold

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

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

SRCIN03B	Income: Pension from former employer	Hhold
SRCIN04B	Income: Personal pensions	Hhold
SRCIN05B	Income: Child Benefit	Hhold
SRCIN06B	Income: Job-Seekers Allowance	Hhold
SRCIN07B	Income: Pension Credit	Hhold
SRCIN08B	Income: Income Support	Hhold
SRCIN09B	Income: Working Tax Credit	Hhold
SRCIN10B	Income: Child Tax Credit	Hhold
SRCIN11B	Income: Housing Benefit	Hhold
SRCIN12B	Income: Other state benefits	Hhold
SRCIN13B	Income: Interest from savings and investments (eg stocks & shares)	Hhold
SRCIN14B	Income: Other kinds of regular allowance from outside your household	Hhold
SRCIN15B	Income: No source of income	Hhold
OTHINC	Whether other income in household	Hhold
JNTINC	Joint income	Hhold
HHINC	Total household income	Hhold
EQVINC	(D) Equivalised Income	Derived
MCCLEM	(D) McClements household score for equivalised income	Derived
EQV3	(D) Equivalised Income Tertiles	Derived
EQV5	(D) Equivalised Income Quintiles	Derived
TOTINC	(D) Total Household Income	Derived

## Nurse Admin

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

## Relationships

Variable	Description	Source
MARITALB	Marital status	Hhold
COUPLE	Living with anyone in this household	Hhold
LEGPAP	Parent/Legal guardian in hhold	Hhold
PAR1	Child's parent or legal responsibility for him/her	Hhold
PAR2	Other parent or legally responsible for him/her	Hhold
RELTO01	Relationship to person 1	Hhold
RELTO02	Relationship to person 2	Hhold
RELTO03	Relationship to person 3	Hhold
RELTO04	Relationship to person 4	Hhold
RELTO05	Relationship to person 5	Hhold
RELTO06	Relationship to person 6	Hhold
RELTO07	Relationship to person 7	Hhold
RELTO08	Relationship to person 8	Hhold
RELTO09	Relationship to person 9	Hhold
RELTO10	Relationship to person 10	Hhold
RELTO11	Relationship to person 11	Hhold
RELTO12	Relationship to person 12	Hhold
RELTOHRP	Relationship to Household Reference Person	Hhold
LIVEWITH	Cohabitee	Hhold
MARSTATC	(D) Marital status including cohabitees	Derived

\* Removed from dataset due to reasons of confidentiality

NATPR1	(D) Relationship of child to parent or guardian	Derived
NATPR2	(D) Relationship of child to parent or guardian	Derived

## Sample Info

Variable	Description	Source
SAMPTYPE	Sample type	Sample
FLDAREA*	Field area	Sample
TYPDWELA*	Dwelling type	ARF
URBAN	(D) Degree of urbanisation	Derived
URINDEW*	Urban/Rural Indicator	Sample
QIMD	(D) Quintile of IMD SCORE	Derived
GOR07 <sup>7</sup>	Government Office Region - numeric	Hhold
SHA	Strategic Health Authority	Hhold
POINT <sup>8</sup>	Sample point number	Hhold
ADDRESS <sup>9</sup>	Address number	Sample
HHOLD	Household number	Sample
STRATA <sup>10</sup>	Stratification level	Indiv
NOFHH	Number of households	ARF
PCTSPEAR	(D) PCT spearhead indicator for new PCTs	Derived

## Weighting

Variable	Description	Source
WT_INT	HSE 2011 Weight for analysis of core interview sample	Other
WT_DRINK	HSE 2011 Weight for analysis of drinking diary sample	Other
WT_NURSE	HSE 2011 Weight for analysis of core nurse sample	Other
WT_BLOOD	HSE 2011 Weight for analysis of core blood sample	Other
WT_COTININE	HSE 2011 Weight for analysis of cotinine sample	Other
WT_HHLD	HSE 2011 Household level weight	Other

<sup>7</sup> Variable is called GOR1 in archived dataset.

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

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

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

\* Removed from dataset due to reasons of confidentiality

# Anthropometric Measurements

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

Height/Weight Admin		
Variable	Description	Source
RESPHTS	Response to height measurement	Indiv
RESNHI	Reason for refusal of height.	Indiv
EHTCH	Non proxy: Form in which estimated height given	Indiv
NOHTBC	Reason for not obtaining height measurement	Indiv
RELHTE	Is this height measurement reliable?	Indiv
HINREL	What caused the height measurement to be unreliable?	Indiv
RESPWTS	Response to weight measurement	Indiv
RESNWT	Refusal of weight measurement	Indiv
NOWTBC	Reason for not obtaining weight measurement	Indiv
EWTCH	Form in which estimated weight given	Indiv
FLOORC1	Scales placed on uneven floor	Indiv
FLOORC2	Scales placed on carpet	Indiv
FLOORC3	Scales placed on none of these	Indiv
RELWAITB	Is this weight measurement reliable?	Indiv
STADNO	Serial number of stadiometer	Indiv
SCLNO	Serial number of scales	Indiv
SAYWGT	How views own weight	SC 8-15
SAYDIET	Whether trying to lose or gain weight?	SC 8-15
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
ESTHT	Final measured or estimated height (cm)	Indiv
WEIGHT	Weight (kg) - inc unreliable measurements	Indiv
NOHTBC	Reason for not obtaining height measurement	Indiv
PREGNOWB	Whether pregnant now	Indiv
ESTWT	Estimated weight (cm)	Indiv
BIRTHWT	Birth weight (kg)	Indiv
WAIST1	Waist 1st measurement (cm)	Nurse
HIP1	Hip 1st measurement (cm)	Nurse
WAIST2	Waist 2nd measurement (cm)	Nurse
HIP2	Hip 2nd measurement (cm)	Nurse
WAIST3	Waist 3rd measurement (cm)	Nurse
HIP3	Hip 3rd measurement (cm)	Nurse
HTVAL	(D) Valid height (cm)	Derived
WTVAL	(D) Valid weight (Kg) inc. estimated>130kg	Derived
WSTVAL	(D) Valid Mean Waist (cm)	Derived
HIPVAL	(D) Valid Mean Hip (cm)	Derived
BMI	(D) BMI - inc unreliable measurements	Derived
BMIVAL	(D) Valid BMI	Derived
BMIVG5	(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+)	Derived
BMICAT1	(D) UK BMI national classification standards (85th/95th centile) 2008	Derived
BMICAT2	(D) BMI status (ovrgh inc. obese) 2008	Derived
BMICAT3	(D) BMI status (non-obese vs obese) 2008	Derived
WHVAL	(D) Valid Mean Waist/Hip ratio	Derived
MENWHGP	(D) Male waist hip ratio groups (adults)	Derived
MENWHHI	(D) Male high waist hip ratio	Derived
WOMWHGP	(D) Female waist hip ratio groups	Derived
WOMWHHI	(D) Female high waist hip ratio	Derived

Waist/Hip Admin		
Variable	Description	Source
WHINTRO	Consent to waist/hip measurements	Nurse
RESPWH	Response to waist/hip measurements	Nurse
YNOWH	Reason no waist/hip measurements	Nurse
WHPNABM1	No waist/hip: Respondent is chairbound	Nurse
WHPNABM2	No waist/hip: Respondent is confined to bed	Nurse
WHPNABM3	No waist/hip: Respondent is too stooped	Nurse
WHPNABM4	No waist/hip: Respondent did not understand the procedure	Nurse
WHPNABM5	No waist/hip: Respondent is embarrassed/sensitive about their size	Nurse
WHPNABM6	No waist/hip: No time/busy/already spent enough time on this survey	Nurse
WHPNABM7	No waist/hip: Other reason	Nurse
WJREL	Whether problems with waist measurement	Nurse
PROBWJ	Problems experienced likely to increase/decrease waist measurement	Nurse
HJREL	Whether problems with hip measurement	Nurse
PROBHJ	Problems likely to increase/decrease waist measurement	Nurse
WSTOKB	(D) Whether waist measurements are valid	Derived
HIPOKB	(D) Whether hip measurements are valid	Derived
WHOKB	(D) Whether waist/hip measure is valid	Derived
WAISTHI	(D) Raised waist measurement over 102cm for men and 88cm for women	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 ever had a fit	Nurse
BSWILL	Consent to blood sample	Nurse
SAMPF1	Plain red tube filled	Nurse
SAMPF2	EDTA purple tube filled	Nurse
SAMPF3	Citrate purple tube filled	
SAMPTAK	Blood sample outcome:	Nurse
SAMPARM	Which arm the blood was taken:	Nurse
SAMDIFC1	Blood sample prob: No problem	Nurse
SAMDIFC2	Blood sample prob: Incomplete sample	Nurse
SAMDIFC3	Blood sample prob: Collapsing/poor veins	Nurse
SAMDIFC4	Blood sample prob: Second attempt necessary	Nurse
SAMDIFC5	Blood sample prob: Some blood obtained, but respondent felt faint/fainted	Nurse
SAMDIFC6	Blood sample prob: Unable to use tourniquet	Nurse
SAMDIFC7	Blood sample prob: Other	Nurse
NOBSC1	No blood obtained: No suitable or no palpable vein/collapsed veins	Nurse
NOBSC2	No blood obtained: Respondent was too anxious/nervous	Nurse
NOBSC3	No blood obtained: Respondent felt faint/fainted	Nurse
NOBSC4	No blood obtained: Other	Nurse
REFBSC1	Refused blood sample: Previous difficulties with venepuncture	Nurse
REFBSC2	Refused blood sample: Dislike/fear of needles	Nurse
REFBSC3	Refused blood sample: Respondent recently had blood test/health check	Nurse
REFBSC4	Refused blood sample: Refused because of current illness	Nurse
REFBSC5	Refused blood sample: Worried about HIV or AIDS	Nurse
REFBSC6	Refused blood sample: Other	Nurse
GPSAM	Registered with GP	Nurse
SENDSAM	Permission to send results of blood sample to GP	Nurse
SENSAC1	Blood sample not to GP: Hardly/never sees GP	Nurse
SENSAC2	Blood sample not to GP: GP recently took blood sample	Nurse
SENSAC3	Blood sample not to GP: Does not want to bother GP	Nurse
SENSAC4	Blood sample not to GP: Other	Nurse
CONSTORB	Consent to store blood for future analysis	Nurse
SNDRSAM	Whether wants results of blood sample	Nurse
CHOLOK	(D) Response to Total Cholesterol sample	Derived
HDLK	(D) Response to HDL Cholesterol sample	Derived
GLYHBOK	(D) Response to Glycated HB sample	Derived

Measurements		
Variable	Description	Source
CHOLVAL	(D) Valid Total Cholesterol Result	Derived
CHOLVAL1	(D) Valid Cholesterol Result (incl those on lld)	Derived
CHOLVALOLD	(D) Valid Total Cholesterol Result Adjusted for comparison with previous years	Derived
CHOLVAL1OLD	(D) Valid Cholesterol Result (incl those on LLD) Adjusted for comparison with previous years	Derived
CHOLEST	Total cholesterol result mmol/L (Blood data)	Lab
CHOLQUAL	Total cholesterol serum quality (Blood data)	Lab
CHOLFOUR	(D) Whether total cholesterol < 4 (incl those on LLD)	Derived
CHOLFIVE	(D) Whether total cholesterol < 5 (incl those on LLD)	Derived
CHOLFOUROLD	(D) Whether total cholesterol < 4 adjusted for comparison with previous years (incl those on LLD)	Derived
CHOLFIVEOLD	(D) Whether total cholesterol < 5 adjusted for comparison with previous years (incl those on LLD)	Derived
HDLVAL	(D) Valid HDL Cholesterol Result	Derived
HDLVAL1	(D) Valid HDL Cholesterol Result (incl those on lld)	Derived
HDLVALOLD	(D) Valid HDL Cholesterol Result Adjusted	Derived
HDLVAL1OLD	(D) Valid HDL Cholesterol Result (incl those on LLD) Adjusted for comparison with previous years	Derived
HDLONE	(D) Whether hdl < 1 (incl those on LLD)	Derived
HDLONEOLD	(D) Whether total cholesterol < 1 adjusted for comparison with previous years (incl those on LLD)	Derived

	those on LLD)	
HDLCHOL	HDL Cholesterol result (Blood data)	Lab
HDLQUAL	HDL Cholesterol serum quality (Blood data)	Lab
GLYHBVAL	(D) Valid Glycated HB Result	Derived
GLYHB3G	(D) Glycated haemoglobin 3 groups	Derived
GLYHBHI	(D) Raised glycated haemoglobin	Derived
GLYHB	Glycated haemoglobin result (%) (Blood data)	Lab
GLHBQUAL	Glycated haemoglobin serum quality (Blood data)	Lab
IFFCVAL	(D) Valid glycated haemoglobin result in mmol per ml (IFFC)	Derived

# Blood Pressure

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

Measurements		
Variable	Description	Source
SYS1OM	1st Systolic reading(mmHg)	Nurse
DIAS1OM	1st Diastolic reading(mmHg)	Nurse
PULS1OM	1st pulse reading(bpm)	Nurse
MAP1OM	1st MAP reading(mmHg)	Nurse
SYS2OM	2nd Systolic reading(mmHg)	Nurse
DIAS2OM	2nd Diastolic reading(mmHg)	Nurse
PULS2OM	2nd pulse reading(bpm)	Nurse
MAP2OM	2nd MAP reading(mmHg)	Nurse
SYS3OM	3rd Systolic reading(mmHg)	Nurse
DIAS3OM	3rd Diastolic reading(mmHg)	Nurse

PULS3OM	3rd pulse reading(bpm)	Nurse
MAP3OM	3rd MAP reading(mmHg)	Nurse
OMDIAS	(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid	Derived
OMSYST	(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid	Derived
OMMAP	(D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid	Derived
OMPULS	(D) Omron Pulse pressure, systolic-diastolic inc. invalid	Derived
OMDIAVAL	(D) Omron Valid Mean Diastolic BP	Derived
OMSYSVAL	(D) Omron Valid Mean Systolic BP	Derived
OMMAPVAL	(D) Omron Valid Mean Arterial Pressure	Derived
OMPULVAL	(D) Omron Valid Pulse Pressure	Derived
HYPER1OM2*	(D) Hypertensive catagories: all prescribed drugs for BP (Omron readings) {revised}	Derived
HYPER2OM2*	(D) Hypertensive catagories: all taking BP drugs (Omron readings) {revised}	Derived
HY140OM2*	(D) Hypertensive catagories: 140/90: all prescribed drugs for BP (Omron readings) {revised}	Derived
HIBP1OM2*	(D) Whether hypertensive: all prescribed drugs for BP (Omron readings) {revised}	Derived
HIBP2OM2*	(D) Whether hypertensive: all taking BP drugs (Omron readings) {revised}	Derived
HBP140OM2*	(D) Whether hypertensive: 140/90: all prescribed drugs for BP (Omron readings) {revised}	Derived
BPHI3G	(D) Valid blood pressure 3 groups	Derived
HBP160OM	(D) Hypertensive untreated (160/100)	Derived

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\*Revised derivation for 2011

# Cardiovascular Disease

CVD Conditions		
Variable	Description	Source
CVDDEF	(D) Had cardiovascular condition	Derived
CVDDEF1	(D) Had cardiovascular condition (excluding diabetes/high BP)	Derived
NOBPCVD	(D) Had CVD: excludes those with high BP	Derived
IHDIS	(D) Had IHD (Angina or Heart Attack)	Derived
CVDIS	(D) Had CVD (Angina, Heart Attack or Stroke)	Derived
CVD3A	(D) CVD measure of severity (hierarchy)	Derived
NOBPCVD2Error! Bookmark not defined.	(D) Had CVD: excludes those with high BP {revised}	Derived
IHDIS2Error! Bookmark not defined.	(D) Had IHD (Angina or Heart Attack) {revised}	Derived
CVDIS2Error! Bookmark not defined.	(D) Had CVD (Angina, Heart Attack or Stroke) {revised}	Derived

Angina		
Variable	Description	Source
ROSEANMI	(D) Angina or MI (Rose Angina Qure)	Derived
SYMPAN1	(D) Angina Symptoms (Rose Angina Qure)	Derived
POSSMI	(D) Possible Infarction (Rose Angina Qure)	Derived
UPHILL1	(D) Has chest pain when walking uphill/hurrying	Derived
LEVEL	(D) Has chest pain when walking at ordinary pace	Derived
ANGIDEF	(D) Doctor diagnosed angina	Derived
EVERANGI	Whether ever had angina	Indiv
AGEANGI	Age when first told by a doctor that had angina	Indiv
DOCANGI	Doctor diagnosed angina	Indiv
RECANGI	Had angina in past year	Indiv
CHESPAIN	Ever had pain/discomfort in chest	Indiv
UPHILLW	Gets pain when walking uphill or hurrying	Indiv
OCCAS1	Whether happens on most occasions	Indiv
LEVELW	Gets pain when walking at an ordinary pace	Indiv
OCCAS2	Whether happens on most occasions	Indiv
WALKING	What does it get pain while walking	Indiv
STOPWALK	Whether pain goes away if stand still?	Indiv
HOWSOON	How quickly pain goes away	Indiv
PANSITC1	Chest pain in: Sternum (upper or middle)	Indiv
PANSITC2	Chest pain in: Sternum lower	Indiv
PANSITC3	Chest pain in: Left anterior chest	Indiv
PANSITC4	Chest pain in: Left arm	Indiv
PANSITC5	Chest pain in: Right anterior chest	Indiv
PANSITC6	Chest pain in: Right arm	Indiv
PANSITC7	Chest pain in: Somewhere else	Indiv
EVERPAIN	Have you ever had a severe pain across the front of your chest lasting for half an hour or more?	Indiv
DOCPAIN	Whether saw doctor because of the pain	Indiv
DOCSAYC1	Diagnosis chest pain: Angina	Indiv
DOCSAYC2	Diagnosis chest pain: Heart attack	Indiv
DOCSAYC3	Diagnosis chest pain: Did not say	Indiv
DOCSAYC4	Diagnosis chest pain: Other	Indiv

Blood Pressure		
Variable	Description	Source
BP1	(D) Doctor diagnosed high blood pressure (excluding pregnant)	Derived
EVERBP	Ever had high BP	Indiv
BPMEAS	Ever had BP measured?	Indiv
MEASLAST	Last time BP measured?	Indiv

LEVELBP	Whether BP normal last time measured?	Indiv
ONLYBP	How often high BP?	Indiv
DOCNURBP	Doctor diagnosed high BP	Indiv
PREGBP	Pregnant when told had high BP	Indiv
NOPREGBP	High BP other than when pregnant	Indiv
AGEINFBP	Age first told had high blood pressure	Indiv
MEDCINBP	Currently taking medicines, tablets or pills for high blood pressure	Indiv
STILLBP	Still have high BP	Indiv
PASTABBP	Ever taken medicines for high BP	Indiv
FINTABC1	Stop BP Med: Doc advised due to improvement	Indiv
FINTABC2	Stop BP Med: Doc advised due to lack of improvement	Indiv
FINTABC3	Stop BP Med: Doc advised due to other problem	Indiv
FINTABC4	Stop BP Med: Respondent decided because felt better	Indiv
FINTABC5	Stop BP Med: Respondent decided for other reason	Indiv
FINTABC6	Stop BP Med: Other reason	Indiv
ADVICEBP	Receiving any other treatment or advice because of high blood pressure	Indiv
ADBPC1	Treat BP: Blood pressure monitored by GP/nurse	Indiv
ADBPC2	Treat BP: Advice or treatment to lose weight	Indiv
ADBPC3	Treat BP: Blood tests	Indiv
ADBPC4	Treat BP: Change diet	Indiv
ADBPC5	Treat BP: Stop smoking	Indiv
ADBPC6	Treat BP: Reduce stress	Indiv
ADBPC7	Treat BP: Other	Indiv

## CHD/Stroke

Variable	Description	Source
HEARTDEF	(D) Doctor diagnosed heart attack	Derived
AGEHEART	Age when first told by a doctor that you had a heart attack	Indiv
STRODEF	(D) Doctor diagnosed stroke	Derived
STROIHD	(D) Doctor Diagnosed IHD or stroke	Derived
LDASP	(D) Low-dose aspirin (new version)	Derived
CVDIAHY	(D) IHD/stroke or HT/DM or none (new version)	Derived
CVDCON	(D) IHD / stroke but no IHD / None	Derived
CVDCON5	(D) Five CVD Conditions (new version)	Derived
EVERHART	Whether ever had heart attack (including myocardial infarction or coronary thrombosis)	Indiv
DOCHEART	Doctor diagnosed heart attack	Indiv
RECHEART	Had heart attack in past year	Indiv
EVERSTRO	Whether ever had a stroke	Indiv
WEAKNUM	Sudden attack of weakness/numbness in last 12 months?	Indiv
SLURSP	Sudden attack of slurred speech in last 12 months?	Indiv
VISLOS	Sudden attack of blurred/loss of vision speech in last 12 months?	Indiv
DOCSEE2	Seen a doctor about weakness, loss of vision/speech in last 12 months?	Indiv
AGESTRO	Age when first told by a doctor that you had a stroke	Indiv
DOCSTRO	Doctor diagnosed stroke	Indiv
RECSTRO	Had stroke in past year	Indiv
MEDHEART	Medicines for heart condition or stroke	Indiv
ADCHDC01	Treat Heart: Special diet	Indiv
ADCHDC02	Treat Heart: Regular check-up or monitoring,	Indiv
ADCHDC03	Treat Heart: Taking medication,	Indiv
ADCHDC04	Treat Heart: Advice to reduce/quit smoking,	Indiv
ADCHDC05	Treat Heart: Advice to reduce/quit alcohol consumption,	Indiv
ADCHDC06	Treat Heart: Advice about exercise,	Indiv
ADCHDC07	Treat Heart: Other	Indiv
ADCHDC08	Treat Heart: No other treatment	Indiv
WHOTRT1	Who gives treatment: Specialist	Indiv
WHOTRT2	Who gives treatment: GP	Indiv
WHOTRT3	Who gives treatment: Practice nurse	Indiv
WHOTRT4	Who gives treatment: Doctor/nurse in hospital outpatient	Indiv
WHOTRT5	Who gives treatment: Doctor/nurse in clinic (e.g. smoking clinic)	Indiv
WHOTRT6	Who gives treatment: Other	Indiv
WHENTRT	How often do these check-ups take place?	Indiv

Diabetes		
Variable	Description	Source
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
EVERDI	Do you now have, or have you ever had diabetes?	Indiv
DOCINFO1	Doctor diagnosed diabetes	Indiv
PREGDI	Can I just check, were you pregnant when you were told that you had d	Indiv
NOPREGDI	Have you ever had diabetes apart from when you were pregnant?	Indiv
AGEINFO1	About how old were you when you were first told by a doctor that you had diabetes?	Indiv
INSULIN	Whether currently inject insulin for diabetes?	Indiv
MEDCINDI	Whether currently taking any medicines for diabetes	Indiv
ADVICEDI	Whether currently receiving any other treatment or advice for diabetes	Indiv
ADDIC01	Treat diabetes: Special diet	Indiv
ADDIC02	Treat diabetes: Eye screening / regular eye tests	Indiv
ADDIC03	Treat diabetes: Regular check-up with GP/hospital/clinic	Indiv
ADDIC95	Treat diabetes: Other	Indiv
WHYNOET	Reason for not having regular eye tests	Indiv
DIABETE3	(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)	Derived
DIABETE3R*	(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}	Derived
DIABTOT	(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes)	Derived
DIABTOTR*	(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}	Derived

Heart Murmur		
Variable	Description	Source
MURMUR1	(D) Doctor diagnosed heart murmur (excluding pregnant)	Derived
EVERMUR	Have you ever had heart murmur	Indiv
MURDOC	Doctor diagnosed heart murmur	Indiv
PREGMUR	Pregnant when told had heart murmur	Indiv
PREGMUR1	Had heart murmur other than when pregnant	Indiv
AGEINMUR	Age when first told by a doctor that you had a heart murmur	Indiv
MURREC	Heart murmur in past year	Indiv
MURPILL	Currently taking any medication because of heart murmur	Indiv

Other CVD		
Variable	Description	Source
IREGDEF	(D) Doctor diagnosed irregular heart rhythm	Derived
OHTDEF	(D) Doctor diagnosed other heart condition	Derived
EVERIREG	Ever had abnormal heart rhythm?	Indiv
AGEIREG	Approximately how old were you when you were first told by a doctor that you had an abnormal heart rhythm?	Indiv
EVEROHT	Ever had any other heart trouble?	Indiv
AGEOHT	Approximately how old were you when you were first told by a doctor that you had other heart trouble?	Indiv
DOCIREG	Doctor diagnosed abnormal heart rhythm	Indiv
RECIREG	Had abnormal heart rhythm in past year	Indiv
DOCOHT	Doctor diagnosed other heart trouble	Indiv
RECOHT	Had other heart trouble in past year	Indiv

\* Revised derivation – see note in User Guide.

## Use of Services

Variable	Description	Source
ECGB	Ever had an electrical recording of your heart (ECG) performed	Indiv
ECGC1	ECG: Hospital (inpatient)	Indiv
ECGC2	ECG: Hospital (outpatient)	Indiv
ECGC3	ECG: GP Surgery	Indiv
ECGC4	ECG: Other	Indiv
WHENECG	When had ECG	Indiv
SURGERY	Surgery for heart condition	Indiv
WHENSURG	When had surgery for heart condition	Indiv
WHATSURG	What type of surgery did you undergo?	Indiv
OPLIST	On waiting list for surgery for heart condition	Indiv
MURSURG	Any surgery for heart murmur	Indiv
SURGMUR	On waiting list for surgery for heart murmur	Indiv
MURSURG1	How long ago was this?	Indiv
ADMUR	Are you currently receiving any other treatment or advice because of your heart murmur?	Indiv
DOCTLK	Last time talked to doctor in last 2 weeks	Indiv
CHLEST	Ever had cholesterol measured?	Indiv
LASTCHOL	Last time cholesterol measured?	Indiv
CHOLEVEL	Was cholesterol normal last time measured?	Indiv
DOCOCES	How many times have you talked to a doctor in these two weeks?	Indiv
CONM	Was this consultation about your CVD condition?	Indiv
CONDM01	Talk Doc last 2 weeks: High blood pressure	Indiv
CONDM02	Talk Doc last 2 weeks: Angina	Indiv
CONDM03	Talk Doc last 2 weeks: Heart attack	Indiv
CONDM04	Talk Doc last 2 weeks: Heart murmur	Indiv
CONDM05	Talk Doc last 2 weeks: Abnormal heart rhythm	Indiv
CONDM06	Talk Doc last 2 weeks: Other heart trouble	Indiv
CONDM07	Talk Doc last 2 weeks: Stroke	Indiv
CONDM08	Talk Doc last 2 weeks: Diabetes	Indiv
LASTDOC	Apart from any visit to a hospital, when was the last time you talked to a doctor about your condition	Indiv
CONSC01	Talk Doc: High blood pressure	Indiv
CONSC02	Talk Doc: Angina	Indiv
CONSC03	Talk Doc: Heart attack	Indiv
CONSC04	Talk Doc: Heart murmur	Indiv
CONSC05	Talk Doc: Abnormal heart rhythm	Indiv
CONSC06	Talk Doc: Other heart trouble	Indiv
CONSC07	Talk Doc: Stroke	Indiv
CONSC08	Talk Doc: Diabetes	Indiv
PNURCVD	Seen a Practice Nurse in last 2 weeks	Indiv
NPNURCVD	No. times seen a Practice Nurse	Indiv
PNURCONM	Was this consultation about your CVD condition?	Indiv
PNRCNS01	Practice nurse: High blood pressure	Indiv
PNRCNS02	Practice nurse: Angina	Indiv
PNRCNS03	Practice nurse: Heart attack	Indiv
PNRCNS04	Practice nurse: Heart murmur	Indiv
PNRCNS05	Practice nurse: Abnormal heart rhythm	Indiv
PNRCNS06	Practice nurse: Other heart trouble	Indiv
PNRCNS07	Practice nurse: Stroke	Indiv
PNRCNS08	Practice nurse: Diabetes	Indiv
OUTPATB	Been to hospital in last 12 months	Indiv
WHYOPATB	Was this because of your CVD condition?	Indiv
OPTCNS01	Hosp Outpatient: High blood pressure	Indiv
OPTCNS02	Hosp Outpatient: Angina	Indiv
OPTCNS03	Hosp Outpatient: Heart attack	Indiv
OPTCNS04	Hosp Outpatient: Heart murmur	Indiv
OPTCNS05	Hosp Outpatient: Abnormal heart rhythm	Indiv
OPTCNS06	Hosp Outpatient: Other heart trouble	Indiv
OPTCNS07	Hosp Outpatient: Stroke	Indiv
OPTCNS08	Hosp Outpatient: Diabetes	Indiv
INPATB	Been an inpatient in hospital in last 12 months?	Indiv
YINPATB	Was this because of your CVD condition?	Indiv
IPTCNS01	Hosp Inpatient: High blood pressure	Indiv
IPTCNS02	Hosp Inpatient: Angina	Indiv
IPTCNS03	Hosp Inpatient: Heart attack	Indiv
IPTCNS04	Hosp Inpatient: Heart murmur	Indiv

IPTCNS05	Hosp Inpatient: Abnormal heart rhythm	Indiv
IPTCNS06	Hosp Inpatient: Other heart trouble	Indiv
IPTCNS07	Hosp Inpatient: Stroke	Indiv
IPTCNS08	Hosp Inpatient: Diabetes	Indiv

# Drinking

## Adult General

Variable	Description	Source
WHYTT	Reason why stopped drinking	Indiv
DDRINKAG	Age first alcoholic drink	SC YP
DNNOW	Whether drinks nowadays	Indiv/SC YP
DNANY	Whether drinks occasionally or never drinks	Indiv/SC YP
DNEVR	Whether always non-drinker	Indiv/SC YP
DNOFT	Frequency drank any alcoholic drink last 12 mths	Indiv/SC YP
DNOFT3	(D) Frequency drink alcohol in past 12 months: including non-drinkers	Derived

## Adult 7 Days

Variable	Description	Source
DRNKSAME	Whether drank more on a particular in last 7 days	Indiv
WHICHDAY	Which day drank most in last 7	Indiv
DRAMOUNT	Drink now compared to 5 years ago	Indiv
D7DAY	Whether had drink in last 7 days	Indiv/SC YP
D7MANY	How many days in last 7 had a drink	Indiv/SC YP
NBRL71	Heaviest day normal beer: Half pints	Indiv
NBRL72	Heaviest day normal beer: Small cans	Indiv
NBRL73	Heaviest day normal beer: Large cans	Indiv
NBRL74	Heaviest day normal beer: Bottles	Indiv
NBERQHP7	Amount normal beer (half pints) on heaviest day	Indiv
NBERQSM7	Amount normal beer (small cans/bottles) on heaviest day	Indiv/SC YP
NBERQLG7	Amount normal beer (large cans/bottles) on heaviest day	Indiv/SC YP
NBERQPT7	Amount normal beer (pints) on heaviest day	SC YP
NBERQBT7	Amount normal beer (bottles) on heaviest day	Indiv
L7NCODEQ	Normal beer bottle size (pints) - heaviest day	Indiv
SBRL71	Heaviest day strong beer: Half pints	Indiv
SBRL72	Heaviest day strong beer: Small cans	Indiv/SC YP
SBRL73	Heaviest day strong beer: Large cans	Indiv/SC YP
SBRL74	Heaviest day strong beer: Bottles	Indiv
SBERQHP7	Amount strong beer (half pints) on heaviest day	Indiv
SBERQSM7	Amount strong beer (small cans/bottles) on heaviest day	Indiv/SC YP
SBERQLG7	Amount strong beer (large cans/bottles) on heaviest day	Indiv/SC YP
SBERQPT7	Amount strong beer (pints) on heaviest day	SC YP
SBERQBT7	Amount strong beer (bottles) on heaviest day	Indiv
L7SCODEQ	Strong beer bottle size (pints) - heaviest day	Indiv
D7TYP1	Heaviest day: Normal Beer	Indiv/SC YP
D7TYP2	Heaviest day: Strong Beer	Indiv/SC YP
D7TYP3	Heaviest day: Spirits	Indiv/SC YP
D7TYP4	Heaviest day: Sherry	Indiv/SC YP
D7TYP5	Heaviest day: Wine	Indiv/SC YP
D7TYP6	Heaviest day: Alcopops	Indiv/SC YP
SPIRQME7	Amount spirits (measures) on heaviest day	Indiv/SC YP
SHERQGS7	Amount sherry (glasses) on heaviest day	Indiv/SC YP
WGLS250ML	Amount wine (250ml glasses) on heaviest day	Indiv/SC YP
WGLS175ML	Amount wine (175ml glasses) on heaviest day	Indiv/SC YP
WGLS125ML	Amount wine (125ml glasses) on heaviest day	Indiv/SC YP
WBTLGZ	Amount wine (125ml glasses from a bottle) on heaviest day	Indiv/SC YP
POPSQSM7	Amount alcopops (small cans/bottles) on heaviest day	Indiv/SC YP
POPSQLG7	Amount alcopops (large bottles) on heaviest day	Indiv/SC YP
D7MANY3	(D) Number of days drank in last week, including none	Derived
D7UNITWG	(D) NEW Units drunk on heaviest day in last 7 (16+yrs, ONS wineglass)	Derived
D7UNITWGRP	(D) NEW units drunk on heaviest day in last 7 (16+yrs, ONS wineglass grouped)	Derived
WDRINK07B	(D) NEW Women number of units	Derived
MDRINK07B	(D) Men number of units	Derived
ALCLIMIT07B	(D) Alcohol units - limits based on (variable d7unitwgrp ) units per day	Derived

## Adult 12 Months

Variable	Description	Source
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NBEER	Freq of drinking normal beer etc over last 12 months	Indiv
NBEERM1	12 months normal beer: Half pints	Indiv
NBEERM2	12 months normal beer: small cans	Indiv
NBEERM3	12 months normal beer: Large cans	Indiv
NBEERM4	12 months normal beer: Bottles	Indiv
NBEERQ1	Amount of normal beer etc usually drunk on any one day (half pints)	Indiv
NBEERQ2	Amount of normal beer etc usually drunk on any one day (small cans)	Indiv
NBEERQ3	Amount of normal beer etc usually drunk on any one day (large cans)	Indiv
NBEERQ4	Amount of normal beer etc usually drunk on any one day on any one day (bottles)	Indiv
SBEER	Freq of drinking strong beer etc over last 12 months	Indiv
SBEERM1	12 months strong beer: Half pints	Indiv
SBEERM2	12 months strong beer: small cans	Indiv
SBEERM3	12 months strong beer: Large cans	Indiv
SBEERM4	12 months strong beer: Bottles	Indiv
SBEERQ1	Amount of strong beer etc usually drunk on any one day (half pints)	Indiv
SBEERQ2	Amount of strong beer etc usually drunk on any one day (small cans)	Indiv
SBEERQ3	Amount of strong beer etc usually drunk on any one day (large cans)	Indiv
SBEERQ4	Amount of strong beer etc usually drunk on any one day (bottles)	Indiv
SPIRITS	Freq of drinking spirits over last 12 months	Indiv
SPIRITSQ	Amount of spirits usually drunk (single measures)	Indiv
SHERRY	Freq of drinking sherry over last 12 months	Indiv
SHERRYQ	Amount of sherry usually drunk (small glasses)	Indiv
WINE	Freq of drinking wine over last 12 months	Indiv
WINEQ	Amount of wine usually drunk on any one day	Indiv
BWINEQ2	12 months wine: size of glass	Indiv
POPS	Freq of drinking alcopops over last 12 months	Indiv
POPSLY11	12 months alcopops: small cans	Indiv
POPSLY12	12 months alcopops: standard bottles (275ml)	Indiv
POPSLY13	12 months alcopops: large bottles (700ml)	Indiv
POPSQ111	Amount of alcopops usually drunk on any one day (small cans)	Indiv
POPSQ112	Amount of alcopops usually drunk on any one day (standard bottles)	Indiv
POPSQ113	Amount of alcopops usually drunk on any one day (large bottles)	Indiv
SCNBEER	Freq of drinking normal beer etc over last 12 months	SC Adult
SCNBEEQ1	Amount of normal beer etc usually drunk (pints)	SC Adult
SCNBEEQ2	Amount of normal beer etc usually drunk (large cans or bottles)	SC Adult
SCNBEEQ3	Amount of normal beer etc usually drunk (small cans or bottles)	SC Adult
SCSBEER	Freq of drinking strong beer etc over last 12 months	SC Adult
SCSBEEQ1	Amount of strong beer etc usually drunk (pints)	SC Adult
SCSBEEQ2	Amount of strong beer etc usually drunk (large cans or bottles)	SC Adult
SCSBEEQ3	Amount of strong beer etc usually drunk (small cans or bottles)	SC Adult
SCSPIRIT	Freq of drinking spirits over last 12 months	SC Adult
SCSPIRQ	Amount of spirits usually drunk (glasses)	SC Adult
SCSHERRY	Freq of drinking sherry over last 12 months	SC Adult
SCSHERRQ	Amount of sherry usually drunk (glasses)	SC Adult
SCWINE	Freq of drinking wine over last 12 months	SC Adult
SCWINEQ1	Amount of wine usually drunk (large glasses)	SC Adult
SCWINEQ2	Amount of wine usually drunk (standard glasses)	SC Adult
SCWINEQ3	Amount of wine usually drunk (small glasses)	SC Adult
SCWINEQ4	Amount of wine usually drunk (bottles)	SC Adult
SCPOPS	Freq of drinking alcopops over last 12 months	SC Adult
SCPOPSQ1	Amount of alcopops usually drunk (large bottles)	SC Adult
SCPOPSQ2	Amount of alcopops usually drunk (standard bottles)	SC Adult
SCPOPSQ3	Amount of alcopops usually drunk (small cans)	SC Adult
NBEERWU	(D) Units of normal beer/week	Derived
SBEERWU	(D) Units of strong beer/week	Derived
SPIRWU	(D) Units of spirits/week	Derived
SHERWU	(D) Units of sherry/week	Derived
WINEWU	(D) Units of wine/week	Derived
POPSWU	(D) Units of alcopops/week	Derived
TOTALWU	(D) Total units of alcohol/week	Derived
TOTALWUG	(D) Alcohol units per week grouped	Derived
ALCBASE	(D) Alcohol consumption rating units/week	Derived
ALCBSMT	(D) Alcohol consumption: men	Derived
ALCBSWT	(D) Alcohol consumption: women	Derived
MENWUG	(D) Weekly alcohol consumption: men	Derived
WOMENWUG	(D) Weekly alcohol consumption: women	Derived

## Children 8-15

Variable	Description	Source
ADRPROP	Ever had proper alcoholic drink (age 8-12, 13-15)	SC 8-15

ADRPOPS	Ever had alcopops (age 8-12, 13-15)	SC 8-15
ADRINKAG	Age first alcoholic drink (age 8-12, 13-15)	SC 8-15
ADRINKOF	How often alcoholic drink (age 8-12, 13-15)	SC 8-15
ADRLAST	When last had alcoholic drink (age 8-12, 13-15)	SC 8-15

## Children 13-15

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

# Drinking Diary

## Admin

Variable	Description	Source
NODED1	Reason diary refused Does not drink/ rarely drinks	Indiv
NODED2	Reason diary refused: Cannot be bothered	Indiv
NODED3	Reason diary refused: Too busy	Indiv
NODED4	Reason diary refused: Doesn't want to give the information	Indiv
NODED95	Reason diary refused: Other	Indiv
NODED96	Reason diary refused: Too vague to code	Indiv
DDSTMON	Diary start date (month)	Diary
DDENDMON	Diary end date (month)	Diary

## Diary Day 1

Variable	Description	Source
DDENDDAY	Diary end day of the week	Diary
DDDAY	Day of the week (Day 1)	Diary
DDANYALC	Whether drunk any alcohol today (Day 1)	Diary
DDBEER	Whether drunk any beer today (Day 1)	Diary
DDNBEE1	Amount of normal beer etc (Day 1) pints	Diary
DDNBEE2	Amount of normal beer etc (Day 1) large cans/bottles	Diary
DDNBEE3	Amount of normal beer etc (Day 1) small cans/bottles	Diary
DDSBEE1	Amount of strong beer etc (Day 1) pints	Diary
DDSBEE2	Amount of strong beer etc (Day 1) large cans/bottles	Diary
DDSBEE3	Amount of strong beer etc (Day 1) small cans/bottles	Diary
DDWINE	Whether drunk any wine today (Day 1)	Diary
DDWWINL	Amount of white wine (Day 1) large glass	Diary
DDWWINST	Amount of white wine (Day 1) standard glass	Diary
DDWWINSM	Amount of white wine (Day 1) small glass	Diary
DDWWINB	Amount of white wine (Day 1) bottles	Diary
DDRWINL	Amount of red wine (Day 1) large glass	Diary
DDRWINST	Amount of red wine (Day 1) standard glass	Diary
DDRWINSM	Amount of red wine (Day 1) small glass	Diary
DDRWINB	Amount of red wine (Day 1) bottles	Diary
DDROSEL	Amount of rose wine (Day 1) large glass	Diary
DDROSEST	Amount of rose wine (Day 1) standard glass	Diary
DDROSESM	Amount of rose wine (Day 1) small glass	Diary
DDROSEB	Amount of rose wine (Day 1) bottles	Diary
DDSPRKL	Amount of sparkling wine (Day 1) large glass	Diary
DDSPRKST	Amount of sparkling wine (Day 1) standard glass	Diary
DDSPRKSM	Amount of sparkling wine (Day 1) small glass	Diary
DDSPRKB	Amount of sparkling wine (Day 1) bottles	Diary
DDSPIRIT	Whether drunk any spirits today (Day 1)	Diary
DDSPIRGL	Amount of spirits (Day 1)	Diary
DDSHERRY	Whether drunk any sherry today (Day 1)	Diary
DDSHERGL	Amount of sherry (Day 1)	Diary
DDPOPS	Whether drunk any alcopops today (Day 1)	Diary
DDPOPSM	Amount of alcoholic soft drinks (Day 1) small cans/bottles	Diary
DDPOPLG	Amount of alcoholic soft drinks (Day 1) large cans/bottles	Diary
DDOTH	Whether drunk any other types of alcoholic drink today (Day 1)	Diary
DDOTH1A	Amount of other drink (Day 1) glasses	Diary
DDOTH2A	Amount of other drink (Day 1) pints	Diary
DDOTH3A	Amount of other drink (Day 1) large cans/bottles	Diary
DDOTH4A	Amount of other drink (Day 1) small cans/bottles	Diary
DDOTH1B	Amount of other drink (Day 1) glasses	Diary
DDOTH2B	Amount of other drink (Day 1) pints	Diary
DDOTH3B	Amount of other drink (Day 1) large cans/bottles	Diary
DDOTH4B	Amount of other drink (Day 1) small cans/bottles	Diary
DDWHHOME	Where drank today - at home (Day 1)	Diary
DDWHOHOME	Where drank today - another person's home (Day 1)	Diary
DDWHPUB	Where drank today - pub or bar (Day 1)	Diary
DDWHCLUB	Where drank today - social club (Day 1)	Diary
DDWHDISC	Where drank today - nightclub/disco (Day 1)	Diary
DDWHREST	Where drank today - restaurant (Day 1)	Diary

DDWHOUT	Where drank today - outdoor public space (Day 1)	Diary
DDWHEVEN	Where drank today - bar at a public place (Day 1)	Diary
DDWHOTH	Where drank today - another place (Day 1)	Diary
DDTMORN	What time of day drinking - before 12 noon (Day 1)	Diary
DDT123	What time of day drinking - 12 noon to 3pm (Day 1)	Diary
DDT36	What time of day drinking - 3pm to 6pm (Day 1)	Diary
DDT69	What time of day drinking - 6pm to 9pm (Day 1)	Diary
DDT9MID	What time of day drinking - 9pm to midnight (Day 1)	Diary
DDTNIGHT	What time of day drinking - after midnight (Day 1)	Diary
DDCOMM1	Additional comments: Celebration/party/special occasion (Day 1)	Diary
DDCOMM2	Additional comments: Holiday (Day 1)	Diary
DDCOMM3	Additional comments: Stressed/unhappy/depressed (Day 1)	Diary
DDCOMM4	Additional comments: Drank to help sleep (Day 1)	Diary
DDCOMM5	Additional comments: Health reasons (Day 1)	Diary
DDCOMM6	Additional comments: Cost of alcohol (Day 1)	Diary
DDCOMM7	Additional comments: Rarely drink (Day 1)	Diary
DDCOMM8	Additional comments: Other (Day 1)	Diary

## Diary Day 2

DDDAY2	Day of the week (Day 2)	Diary
DDANYAL2	Whether drunk any alcohol today (Day 2)	Diary
DDBEER2	Whether drunk any beer today (Day 2)	Diary
DDNBEE4	Amount of normal beer etc (Day 2) pints	Diary
DDNBEE5	Amount of normal beer etc (Day 2) large cans/bottles	Diary
DDNBEE6	Amount of normal beer etc (Day 2) small cans/bottles	Diary
DDSBEE4	Amount of strong beer etc (Day 2) pints	Diary
DDSBEE5	Amount of strong beer etc (Day 2) large cans/bottles	Diary
DDSBEE6	Amount of strong beer etc (Day 2) small cans/bottles	Diary
DDWINE2	Whether drunk any wine today (Day 2)	Diary
DDWWINL2	Amount of white wine (Day 2) large glass	Diary
DDWWINS2	Amount of white wine (Day 2) standard glass	Diary
DDWWINS3	Amount of white wine (Day 2) small glass	Diary
DDWWINB2	Amount of white wine (Day 2) bottles	Diary
DDRWINL2	Amount of red wine (Day 2) large glass	Diary
DDRWINS2	Amount of red wine (Day 2) standard glass	Diary
DDRWINS3	Amount of red wine (Day 2) small glass	Diary
DDRWINB2	Amount of red wine (Day 2) bottles	Diary
DDROSEL2	Amount of rose wine (Day 2) large glass	Diary
DDROSES2	Amount of rose wine (Day 2) standard glass	Diary
DDROSES3	Amount of rose wine (Day 2) small glass	Diary
DDROSEB2	Amount of rose wine (Day 2) bottles	Diary
DDSPRKL2	Amount of sparkling wine (Day 2) large glass	Diary
DDSPRKS2	Amount of sparkling wine (Day 2) standard glass	Diary
DDSPRKS3	Amount of sparkling wine (Day 2) small glass	Diary
DDSPRKB2	Amount of sparkling wine (Day 2) bottles	Diary
DDSPIR12	Whether drunk any spirits today (Day 2)	Diary
DDSPIRG2	Amount of spirits (Day 2)	Diary
DDSHERR2	Whether drunk any sherry today (Day 2)	Diary
DDSHERG2	Amount of sherry (Day 2)	Diary
DDPOPS2	Whether drunk any alcopops today (Day 2)	Diary
DDPOPSM2	Amount of alcoholic soft drinks (Day 2) small cans/bottles	Diary
DDPOPLG2	Amount of alcoholic soft drinks (Day 2) large cans/bottles	Diary
DDOTH2	Whether drunk any other types of alcoholic drink today (Day 2)	Diary
DDOTH1A2	Amount of other drink (Day 2) glasses	Diary
DDOTH2A2	Amount of other drink (Day 2) pints	Diary
DDOTH3A2	Amount of other drink (Day 2) large cans/bottles	Diary
DDOTH4A2	Amount of other drink (Day 2) small cans/bottles	Diary
DDOTH1B2	Amount of other drink (Day 2) glasses	Diary
DDOTH2B2	Amount of other drink (Day 2) pints	Diary
DDOTH3B2	Amount of other drink (Day 2) large cans/bottles	Diary
DDOTH4B2	Amount of other drink (Day 2) small cans/bottles	Diary
DDWHHOM2	Where drank today - at home (Day 2)	Diary
DDWHOHO2	Where drank today - another person's home (Day 2)	Diary
DDWHPUB2	Where drank today - pub or bar (Day 2)	Diary
DDWHCLU2	Where drank today - social club (Day 2)	Diary
DDWHDIS2	Where drank today - nightclub/disco (Day 2)	Diary
DDWHRES2	Where drank today - restaurant (Day 2)	Diary

DDWHOUT2	Where drank today - outdoor public space (Day 2)	Diary
DDWHEVE2	Where drank today - bar at a public place (Day 2)	Diary
DDWHOTH2	Where drank today - another place (Day 2)	Diary
DDTMORN2	What time of day drinking - before 12 noon (Day 2)	Diary
DDT124	What time of day drinking - 12 noon to 3pm (Day 2)	Diary
DDT37	What time of day drinking - 3pm to 6pm (Day 2)	Diary
DDT70	What time of day drinking - 6pm to 9pm (Day 2)	Diary
DDT9MID2	What time of day drinking - 9pm to midnight (Day 2)	Diary
DDTNIGH2	What time of day drinking - after midnight (Day 2)	Diary
DDCOMM9	Additional comments: Celebration/party/special occasion (Day 2)	Diary
DDCOMM10	Additional comments: Holiday (Day 2)	Diary
DDCOMM11	Additional comments: Stressed/unhappy/depressed (Day 2)	Diary
DDCOMM12	Additional comments: Drank to help sleep (Day 2)	Diary
DDCOMM13	Additional comments: Health reasons (Day 2)	Diary
DDCOMM14	Additional comments: Cost of alcohol (Day 2)	Diary
DDCOMM15	Additional comments: Rarely drink (Day 2)	Diary
DDCOMM16	Additional comments: Other (Day 2)	Diary

### Diary Day 3

DDDAY3	Day of the week (Day 3)	Diary
DDANYAL3	Whether drunk any alcohol today (Day 3)	Diary
DDBEER3	Whether drunk any beer today (Day 3)	Diary
DDNBEE7	Amount of normal beer etc (Day 3) pints	Diary
DDNBEE8	Amount of normal beer etc (Day 3) large cans/bottles	Diary
DDNBEE9	Amount of normal beer etc (Day 3) small cans/bottles	Diary
DDSBEE7	Amount of strong beer etc (Day 3) pints	Diary
DDSBEE8	Amount of strong beer etc (Day 3) large cans/bottles	Diary
DDSBEE9	Amount of strong beer etc (Day 3) small cans/bottles	Diary
DDWINE3	Whether drunk any wine today (Day 3)	Diary
DDWWINL3	Amount of white wine (Day 3) large glass	Diary
DDWWINS4	Amount of white wine (Day 3) standard glass	Diary
DDWWINS5	Amount of white wine (Day 3) small glass	Diary
DDWWINB3	Amount of white wine (Day 3) bottles	Diary
DDRWINL3	Amount of red wine (Day 3) large glass	Diary
DDRWINS4	Amount of red wine (Day 3) standard glass	Diary
DDRWINS5	Amount of red wine (Day 3) small glass	Diary
DDRWINB3	Amount of red wine (Day 3) bottles	Diary
DDROSEL3	Amount of rose wine (Day 3) large glass	Diary
DDROSES4	Amount of rose wine (Day 3) standard glass	Diary
DDROSES5	Amount of rose wine (Day 3) small glass	Diary
DDROSEB3	Amount of rose wine (Day 3) bottles	Diary
DDSPRKL3	Amount of sparkling wine (Day 3) large glass	Diary
DDSPRKS4	Amount of sparkling wine (Day 3) standard glass	Diary
DDSPRKS5	Amount of sparkling wine (Day 3) small glass	Diary
DDSPRKB3	Amount of sparkling wine (Day 3) bottles	Diary
DDSPIRI3	Whether drunk any spirits today (Day 3)	Diary
DDSPIRG3	Amount of spirits (Day 3)	Diary
DDSHERR3	Whether drunk any sherry today (Day 3)	Diary
DDSHERG3	Amount of sherry (Day 3)	Diary
DDPOPS3	Whether drunk any alcopops today (Day 3)	Diary
DDPOPSM3	Amount of alcoholic soft drinks (Day 3) small cans/bottles	Diary
DDPOPLG3	Amount of alcoholic soft drinks (Day 3) large cans/bottles	Diary
DDOTH3	Whether drunk any other types of alcoholic drink today (Day 3)	Diary
DDOTH1A3	Amount of other drink (Day 3) glasses	Diary
DDOTH2A3	Amount of other drink (Day 3) pints	Diary
DDOTH3A3	Amount of other drink (Day 3) large cans/bottles	Diary
DDOTH4A3	Amount of other drink (Day 3) small cans/bottles	Diary
DDOTH1B3	Amount of other drink (Day 3) glasses	Diary
DDOTH2B3	Amount of other drink (Day 3) pints	Diary
DDOTH3B3	Amount of other drink (Day 3) large cans/bottles	Diary
DDOTH4B3	Amount of other drink (Day 3) small cans/bottles	Diary
DDWHHOM3	Where drank today - at home (Day 3)	Diary
DDWHOHO3	Where drank today - another person's home (Day 3)	Diary
DDWHPUB3	Where drank today - pub or bar (Day 3)	Diary
DDWHCLU3	Where drank today - social club (Day 3)	Diary
DDWHDIS3	Where drank today - nightclub/disco (Day 3)	Diary
DDWHRES3	Where drank today - restaurant (Day 3)	Diary

DDWHOUT3	Where drank today - outdoor public space (Day 3)	Diary
DDWHEVE3	Where drank today - bar at a public place (Day 3)	Diary
DDWHOTH3	Where drank today - another place (Day 3)	Diary
DDTMORN3	What time of day drinking - before 12 noon (Day 3)	Diary
DDT125	What time of day drinking - 12 noon to 3pm (Day 3)	Diary
DDT38	What time of day drinking - 3pm to 6pm (Day 3)	Diary
DDT71	What time of day drinking - 6pm to 9pm (Day 3)	Diary
DDT9MID3	What time of day drinking - 9pm to midnight (Day 3)	Diary
DDTNIGH3	What time of day drinking - after midnight (Day 3)	Diary
DDCOMM17	Additional comments: Celebration/party/special occasion (Day 3)	Diary
DDCOMM18	Additional comments: Holiday (Day 3)	Diary
DDCOMM19	Additional comments: Stressed/unhappy/depressed (Day 3)	Diary
DDCOMM20	Additional comments: Drank to help sleep (Day 3)	Diary
DDCOMM21	Additional comments: Health reasons (Day 3)	Diary
DDCOMM22	Additional comments: Cost of alcohol (Day 3)	Diary
DDCOMM23	Additional comments: Rarely drink (Day 3)	Diary
DDCOMM24	Additional comments: Other (Day 3)	Diary

## Diary Day 4

DDDAY4	Day of the week (Day 4)	Diary
DDANYAL4	Whether drunk any alcohol today (Day 4)	Diary
DDBEER4	Whether drunk any beer today (Day 4)	Diary
DDNBEE10	Amount of normal beer etc (Day 4) pints	Diary
DDNBEE11	Amount of normal beer etc (Day 4) large cans/bottles	Diary
DDNBEE12	Amount of normal beer etc (Day 4) small cans/bottles	Diary
DDSBEE10	Amount of strong beer etc (Day 4) pints	Diary
DDSBEE11	Amount of strong beer etc (Day 4) large cans/bottles	Diary
DDSBEE12	Amount of strong beer etc (Day 4) small cans/bottles	Diary
DDWINE4	Whether drunk any wine today (Day 4)	Diary
DDWWINL4	Amount of white wine (Day 4) large glass	Diary
DDWWINS6	Amount of white wine (Day 4) standard glass	Diary
DDWWINS7	Amount of white wine (Day 4) small glass	Diary
DDWWINB4	Amount of white wine (Day 4) bottles	Diary
DDRWINL4	Amount of red wine (Day 4) large glass	Diary
DDRWINS6	Amount of red wine (Day 4) standard glass	Diary
DDRWINS7	Amount of red wine (Day 4) small glass	Diary
DDRWINB4	Amount of red wine (Day 4) bottles	Diary
DDROSEL4	Amount of rose wine (Day 4) large glass	Diary
DDROSES6	Amount of rose wine (Day 4) standard glass	Diary
DDROSES7	Amount of rose wine (Day 4) small glass	Diary
DDROSEB4	Amount of rose wine (Day 4) bottles	Diary
DDSPRKL4	Amount of sparkling wine (Day 4) large glass	Diary
DDSPRKS6	Amount of sparkling wine (Day 4) standard glass	Diary
DDSPRKS7	Amount of sparkling wine (Day 4) small glass	Diary
DDSPRKB4	Amount of sparkling wine (Day 4) bottles	Diary
DDSPIR4	Whether drunk any spirits today (Day 4)	Diary
DDSPIRG4	Amount of spirits (Day 4)	Diary
DDSHERR4	Whether drunk any sherry today (Day 4)	Diary
DDSHERG4	Amount of sherry (Day 4)	Diary
DDPOPS4	Whether drunk any alcopops today (Day 4)	Diary
DDPOPSM4	Amount of alcoholic soft drinks (Day 4) small cans/bottles	Diary
DDPOPLG4	Amount of alcoholic soft drinks (Day 4) large cans/bottles	Diary
DDOTH4	Whether drunk any other types of alcoholic drink today (Day 4)	Diary
DDOTH1A4	Amount of other drink (Day 4) glasses	Diary
DDOTH2A4	Amount of other drink (Day 4) pints	Diary
DDOTH3A4	Amount of other drink (Day 4) large cans/bottles	Diary
DDOTH4A4	Amount of other drink (Day 4) small cans/bottles	Diary
DDOTH1B4	Amount of other drink (Day 4) glasses	Diary
DDOTH2B4	Amount of other drink (Day 4) pints	Diary
DDOTH3B4	Amount of other drink (Day 4) large cans/bottles	Diary
DDOTH4B4	Amount of other drink (Day 4) small cans/bottles	Diary
DDWHHOM4	Where drank today - at home (Day 4)	Diary
DDWHOHO4	Where drank today - another person's home (Day 4)	Diary
DDWHPUB4	Where drank today - pub or bar (Day 4)	Diary
DDWHCLU4	Where drank today - social club (Day 4)	Diary
DDWHDIS4	Where drank today - nightclub/disco (Day 4)	Diary
DDWHRES4	Where drank today - restaurant (Day 4)	Diary

DDWHOUT4	Where drank today - outdoor public space (Day 4)	Diary
DDWHEVE4	Where drank today - bar at a public place (Day 4)	Diary
DDWHOTH4	Where drank today - another place (Day 4)	Diary
DDTMORN4	What time of day drinking - before 12 noon (Day 4)	Diary
DDT126	What time of day drinking - 12 noon to 3pm (Day 4)	Diary
DDT39	What time of day drinking - 3pm to 6pm (Day 4)	Diary
DDT72	What time of day drinking - 6pm to 9pm (Day 4)	Diary
DDT9MID4	What time of day drinking - 9pm to midnight (Day 4)	Diary
DDTNIGH4	What time of day drinking - after midnight (Day 4)	Diary
DDCOMM25	Additional comments: Celebration/party/special occasion (Day 4)	Diary
DDCOMM26	Additional comments: Holiday (Day 4)	Diary
DDCOMM27	Additional comments: Stressed/unhappy/depressed (Day 4)	Diary
DDCOMM28	Additional comments: Drank to help sleep (Day 4)	Diary
DDCOMM29	Additional comments: Health reasons (Day 4)	Diary
DDCOMM30	Additional comments: Cost of alcohol (Day 4)	Diary
DDCOMM31	Additional comments: Rarely drink (Day 4)	Diary
DDCOMM32	Additional comments: Other (Day 4)	Diary

## Diary Day 5

DDDAY5	Day of the week (Day 5)	Diary
DDANYAL5	Whether drunk any alcohol today (Day 5)	Diary
DDBEER5	Whether drunk any beer today (Day 5)	Diary
DDNBEE13	Amount of normal beer etc (Day 5) pints	Diary
DDNBEE14	Amount of normal beer etc (Day 5) large cans/bottles	Diary
DDNBEE15	Amount of normal beer etc (Day 5) small cans/bottles	Diary
DDSBEE13	Amount of strong beer etc (Day 5) pints	Diary
DDSBEE14	Amount of strong beer etc (Day 5) large cans/bottles	Diary
DDSBEE15	Amount of strong beer etc (Day 5) small cans/bottles	Diary
DDWINE5	Whether drunk any wine today (Day 5)	Diary
DDWWINL5	Amount of white wine (Day 5) large glass	Diary
DDWWINS8	Amount of white wine (Day 5) standard glass	Diary
DDWWINS9	Amount of white wine (Day 5) small glass	Diary
DDWWINB5	Amount of white wine (Day 5) bottles	Diary
DDRWINL5	Amount of red wine (Day 5) large glass	Diary
DDRWINS8	Amount of red wine (Day 5) standard glass	Diary
DDRWINS9	Amount of red wine (Day 5) small glass	Diary
DDRWINB5	Amount of red wine (Day 5) bottles	Diary
DDROSEL5	Amount of rose wine (Day 5) large glass	Diary
DDROSES8	Amount of rose wine (Day 5) standard glass	Diary
DDROSES9	Amount of rose wine (Day 5) small glass	Diary
DDROSEB5	Amount of rose wine (Day 5) bottles	Diary
DDSPRKL5	Amount of sparkling wine (Day 5) large glass	Diary
DDSPRKS8	Amount of sparkling wine (Day 5) standard glass	Diary
DDSPRKS9	Amount of sparkling wine (Day 5) small glass	Diary
DDSPRKB5	Amount of sparkling wine (Day 5) bottles	Diary
DDSPIR15	Whether drunk any spirits today (Day 5)	Diary
DDSPIRG5	Amount of spirits (Day 5)	Diary
DDSHERR5	Whether drunk any sherry today (Day 5)	Diary
DDSHERG5	Amount of sherry (Day 5)	Diary
DDPOPS5	Whether drunk any alcopops today (Day 5)	Diary
DDPOPSM5	Amount of alcoholic soft drinks (Day 5) small cans/bottles	Diary
DDPOPLG5	Amount of alcoholic soft drinks (Day 5) large cans/bottles	Diary
DDOTH5	Whether drunk any other types of alcoholic drink today (Day 5)	Diary
DDOTH1A5	Amount of other drink (Day 5) glasses	Diary
DDOTH2A5	Amount of other drink (Day 5) pints	Diary
DDOTH3A5	Amount of other drink (Day 5) large cans/bottles	Diary
DDOTH4A5	Amount of other drink (Day 5) small cans/bottles	Diary
DDOTH1B5	Amount of other drink (Day 5) glasses	Diary
DDOTH2B5	Amount of other drink (Day 5) pints	Diary
DDOTH3B5	Amount of other drink (Day 5) large cans/bottles	Diary
DDOTH4B5	Amount of other drink (Day 5) small cans/bottles	Diary
DDWHHOM5	Where drank today - at home (Day 5)	Diary
DDWHOHO5	Where drank today - another person's home (Day 5)	Diary
DDWHPUB5	Where drank today - pub or bar (Day 5)	Diary
DDWHCLU5	Where drank today - social club (Day 5)	Diary
DDWHDIS5	Where drank today - nightclub/disco (Day 5)	Diary
DDWHRES5	Where drank today - restaurant (Day 5)	Diary

DDWHOUT5	Where drank today - outdoor public space (Day 5)	Diary
DDWHEVE5	Where drank today - bar at a public place (Day 5)	Diary
DDWHOTH5	Where drank today - another place (Day 5)	Diary
DDTMORN5	What time of day drinking - before 12 noon (Day 5)	Diary
DDT127	What time of day drinking - 12 noon to 3pm (Day 5)	Diary
DDT40	What time of day drinking - 3pm to 6pm (Day 5)	Diary
DDT73	What time of day drinking - 6pm to 9pm (Day 5)	Diary
DDT9MID5	What time of day drinking - 9pm to midnight (Day 5)	Diary
DDTNIGH5	What time of day drinking - after midnight (Day 5)	Diary
DDCOMM33	Additional comments: Celebration/party/special occasion (Day 5)	Diary
DDCOMM34	Additional comments: Holiday (Day 5)	Diary
DDCOMM35	Additional comments: Stressed/unhappy/depressed (Day 5)	Diary
DDCOMM36	Additional comments: Drank to help sleep (Day 5)	Diary
DDCOMM37	Additional comments: Health reasons (Day 5)	Diary
DDCOMM38	Additional comments: Cost of alcohol (Day 5)	Diary
DDCOMM39	Additional comments: Rarely drink (Day 5)	Diary
DDCOMM40	Additional comments: Other (Day 5)	Diary

## Diary Day 6

DDDAY6	Day of the week (Day 6)	Diary
DDANYAL6	Whether drunk any alcohol today (Day 6)	Diary
DDBEER6	Whether drunk any beer today (Day 6)	Diary
DDNBEE16	Amount of normal beer etc (Day 6) pints	Diary
DDNBEE17	Amount of normal beer etc (Day 6) large cans/bottles	Diary
DDNBEE18	Amount of normal beer etc (Day 6) small cans/bottles	Diary
DDSBEE16	Amount of strong beer etc (Day 6) pints	Diary
DDSBEE17	Amount of strong beer etc (Day 6) large cans/bottles	Diary
DDSBEE18	Amount of strong beer etc (Day 6) small cans/bottles	Diary
DDWINE6	Whether drunk any wine today (Day 6)	Diary
DDWWINL6	Amount of white wine (Day 6) large glass	Diary
DDWWIN10	Amount of white wine (Day 6) standard glass	Diary
DDWWIN11	Amount of white wine (Day 6) small glass	Diary
DDWWINB6	Amount of white wine (Day 6) bottles	Diary
DDRWINL6	Amount of red wine (Day 6) large glass	Diary
DDRWIN10	Amount of red wine (Day 6) standard glass	Diary
DDRWIN11	Amount of red wine (Day 6) small glass	Diary
DDRWINB6	Amount of red wine (Day 6) bottles	Diary
DDROSEL6	Amount of rose wine (Day 6) large glass	Diary
DDROSE10	Amount of rose wine (Day 6) standard glass	Diary
DDROSE11	Amount of rose wine (Day 6) small glass	Diary
DDROSEB6	Amount of rose wine (Day 6) bottles	Diary
DDSPRKL6	Amount of sparkling wine (Day 6) large glass	Diary
DDSPRK10	Amount of sparkling wine (Day 6) standard glass	Diary
DDSPRK11	Amount of sparkling wine (Day 6) small glass	Diary
DDSPRKB6	Amount of sparkling wine (Day 6) bottles	Diary
DDSPIR16	Whether drunk any spirits today (Day 6)	Diary
DDSPIRG6	Amount of spirits (Day 6)	Diary
DDSHERR6	Whether drunk any sherry today (Day 6)	Diary
DDSHERG6	Amount of sherry (Day 6)	Diary
DDPOPS6	Whether drunk any alcopops today (Day 6)	Diary
DDPOPSM6	Amount of alcoholic soft drinks (Day 6) small cans/bottles	Diary
DDPOPLG6	Amount of alcoholic soft drinks (Day 6) large cans/bottles	Diary
DDOTH6	Whether drunk any other types of alcoholic drink today (Day 6)	Diary
DDOTH1A6	Amount of other drink (Day 6) glasses	Diary
DDOTH2A6	Amount of other drink (Day 6) pints	Diary
DDOTH3A6	Amount of other drink (Day 6) large cans/bottles	Diary
DDOTH4A6	Amount of other drink (Day 6) small cans/bottles	Diary
DDOTH1B6	Amount of other drink (Day 6) glasses	Diary
DDOTH2B6	Amount of other drink (Day 6) pints	Diary
DDOTH3B6	Amount of other drink (Day 6) large cans/bottles	Diary
DDOTH4B6	Amount of other drink (Day 6) small cans/bottles	Diary
DDWHHOM6	Where drank today - at home (Day 6)	Diary
DDWHOHO6	Where drank today - another person's home (Day 6)	Diary
DDWHPUB6	Where drank today - pub or bar (Day 6)	Diary
DDWHCLU6	Where drank today - social club (Day 6)	Diary
DDWHDIS6	Where drank today - nightclub/disco (Day 6)	Diary
DDWHRES6	Where drank today - restaurant (Day 6)	Diary

DDWHOUT6	Where drank today - outdoor public space (Day 6)	Diary
DDWHEVE6	Where drank today - bar at a public place (Day 6)	Diary
DDWHOTH6	Where drank today - another place (Day 6)	Diary
DDTMORN6	What time of day drinking - before 12 noon (Day 6)	Diary
DDT128	What time of day drinking - 12 noon to 3pm (Day 6)	Diary
DDT41	What time of day drinking - 3pm to 6pm (Day 6)	Diary
DDT74	What time of day drinking - 6pm to 9pm (Day 6)	Diary
DDT9MID6	What time of day drinking - 9pm to midnight (Day 6)	Diary
DDTNIGH6	What time of day drinking - after midnight (Day 6)	Diary
DDCOMM41	Additional comments: Celebration/party/special occasion (Day 6)	Diary
DDCOMM42	Additional comments: Holiday (Day 6)	Diary
DDCOMM43	Additional comments: Stressed/unhappy/depressed (Day 6)	Diary
DDCOMM44	Additional comments: Drank to help sleep (Day 6)	Diary
DDCOMM45	Additional comments: Health reasons (Day 6)	Diary
DDCOMM46	Additional comments: Cost of alcohol (Day 6)	Diary
DDCOMM47	Additional comments: Rarely drink (Day 6)	Diary
DDCOMM48	Additional comments: Other (Day 6)	Diary

## Diary Day 7

DDDAY7	Day of the week (Day 7)	Diary
DDANYAL7	Whether drunk any alcohol today (Day 7)	Diary
DDBEER7	Whether drunk any beer today (Day 7)	Diary
DDNBEE19	Amount of normal beer etc (Day 7) pints	Diary
DDNBEE20	Amount of normal beer etc (Day 7) large cans/bottles	Diary
DDNBEE21	Amount of normal beer etc (Day 7) small cans/bottles	Diary
DDSBEE19	Amount of strong beer etc (Day 7) pints	Diary
DDSBEE20	Amount of strong beer etc (Day 7) large cans/bottles	Diary
DDSBEE21	Amount of strong beer etc (Day 7) small cans/bottles	Diary
DDWINE7	Whether drunk any wine today (Day 7)	Diary
DDWWINL7	Amount of white wine (Day 7) large glass	Diary
DDWWIN12	Amount of white wine (Day 7) standard glass	Diary
DDWWIN13	Amount of white wine (Day 7) small glass	Diary
DDWWINB7	Amount of white wine (Day 7) bottles	Diary
DDRWINL7	Amount of red wine (Day 7) large glass	Diary
DDRWIN12	Amount of red wine (Day 7) standard glass	Diary
DDRWIN13	Amount of red wine (Day 7) small glass	Diary
DDRWINB7	Amount of red wine (Day 7) bottles	Diary
DDROSEL7	Amount of rose wine (Day 7) large glass	Diary
DDROSE12	Amount of rose wine (Day 7) standard glass	Diary
DDROSE13	Amount of rose wine (Day 7) small glass	Diary
DDROSEB7	Amount of rose wine (Day 7) bottles	Diary
DDSPRKL7	Amount of sparkling wine (Day 7) large glass	Diary
DDSPRK12	Amount of sparkling wine (Day 7) standard glass	Diary
DDSPRK13	Amount of sparkling wine (Day 7) small glass	Diary
DDSPRKB7	Amount of sparkling wine (Day 7) bottles	Diary
DDSPIR17	Whether drunk any spirits today (Day 7)	Diary
DDSPIRG7	Amount of spirits (Day 7)	Diary
DDSHERR7	Whether drunk any sherry today (Day 7)	Diary
DDSHERG7	Amount of sherry (Day 7)	Diary
DDPOPS7	Whether drunk any alcopops today (Day 7)	Diary
DDPOPSM7	Amount of alcoholic soft drinks (Day 7) small cans/bottles	Diary
DDPOPLG7	Amount of alcoholic soft drinks (Day 7) large cans/bottles	Diary
DDOTH7	Whether drunk any other types of alcoholic drink today (Day 7)	Diary
DDOTH1A7	Amount of other drink (Day 7) glasses	Diary
DDOTH2A7	Amount of other drink (Day 7) pints	Diary
DDOTH3A7	Amount of other drink (Day 7) large cans/bottles	Diary
DDOTH4A7	Amount of other drink (Day 7) small cans/bottles	Diary
DDOTH1B7	Amount of other drink (Day 7) glasses	Diary
DDOTH2B7	Amount of other drink (Day 7) pints	Diary
DDOTH3B7	Amount of other drink (Day 7) large cans/bottles	Diary
DDOTH4B7	Amount of other drink (Day 7) small cans/bottles	Diary
DDWHHOM7	Where drank today - at home (Day 7)	Diary
DDWHOHO7	Where drank today - another person's home (Day 7)	Diary
DDWHPUB7	Where drank today - pub or bar (Day 7)	Diary
DDWHCLU7	Where drank today - social club (Day 7)	Diary
DDWHDIS7	Where drank today - nightclub/disco (Day 7)	Diary
DDWHRES7	Where drank today - restaurant (Day 7)	Diary

DDWHOUT7	Where drank today - outdoor public space (Day 7)	Diary
DDWHEVE7	Where drank today - bar at a public place (Day 7)	Diary
DDWHOTH7	Where drank today - another place (Day 7)	Diary
DDTMORN7	What time of day drinking - before 12 noon (Day 7)	Diary
DDT129	What time of day drinking - 12 noon to 3pm (Day 7)	Diary
DDT42	What time of day drinking - 3pm to 6pm (Day 7)	Diary
DDT75	What time of day drinking - 6pm to 9pm (Day 7)	Diary
DDT9MID7	What time of day drinking - 9pm to midnight (Day 7)	Diary
DDTNIGH7	What time of day drinking - after midnight (Day 7)	Diary
DDCOMM49	Additional comments: Celebration/party/special occasion (Day 7)	Diary
DDCOMM50	Additional comments: Holiday (Day 7)	Diary
DDCOMM51	Additional comments: Stressed/unhappy/depressed (Day 7)	Diary
DDCOMM52	Additional comments: Drank to help sleep (Day 7)	Diary
DDCOMM53	Additional comments: Health reasons (Day 7)	Diary
DDCOMM54	Additional comments: Cost of alcohol (Day 7)	Diary
DDCOMM55	Additional comments: Rarely drink (Day 7)	Diary
DDCOMM56	Additional comments: Other (Day 7)	Diary

## Weekday: Monday

DDDAYWKA	Day of the week (Monday)	Diary
DDSEQA	Sequence of completing days (Monday)	Diary
DDANYALA	Whether drunk any alcohol today (Monday)	Diary
DDBEERA	Whether drunk any beer today (Monday)	Diary
DDNBEE1A	Amount of normal beer etc (Monday) pints	Diary
DDNBEE2A	Amount of normal beer etc (Monday) large cans/bottles	Diary
DDNBEE3A	Amount of normal beer etc (Monday) small cans/bottles	Diary
DDSBEE1A	Amount of strong beer etc (Monday) pints	Diary
DDSBEE2A	Amount of strong beer etc (Monday) large cans/bottles	Diary
DDSBEE3A	Amount of strong beer etc (Monday) small cans/bottles	Diary
DDWINEA	Whether drunk any wine today (Monday)	Diary
DDWWINLA	Amount of white wine (Monday) large glass	Diary
DDWWISTA	Amount of white wine (Monday) standard glass	Diary
DDWWISMA	Amount of white wine (Monday) small glass	Diary
DDWWINBA	Amount of white wine (Monday) bottles	Diary
DDRWINLA	Amount of red wine (Monday) large glass	Diary
DDRWISTA	Amount of red wine (Monday) standard glass	Diary
DDRWISMA	Amount of red wine (Monday) small glass	Diary
DDRWINBA	Amount of red wine (Monday) bottles	Diary
DDROSELA	Amount of rose wine (Monday) large glass	Diary
DDROSSTA	Amount of rose wine (Monday) standard glass	Diary
DDROSSMA	Amount of rose wine (Monday) small glass	Diary
DDROSEBA	Amount of rose wine (Monday) bottles	Diary
DDSPRKLA	Amount of sparkling wine (Monday) large glass	Diary
DDSPKSTA	Amount of sparkling wine (Monday) standard glass	Diary
DDSPKSMA	Amount of sparkling wine (Monday) small glass	Diary
DDSPRKBA	Amount of sparkling wine (Monday) bottles	Diary
DDSPIRIA	Whether drunk any spirits today (Monday)	Diary
DDSPIRGA	Amount of spirits (Monday)	Diary
DDSHERRA	Whether drunk any sherry today (Monday)	Diary
DDSHERGA	Amount of sherry (Monday)	Diary
DDPOPSA	Whether drunk any alcopops today (Monday)	Diary
DDPOPSMA	Amount of alcoholic soft drinks (Monday) small cans/bottles	Diary
DDPOPLGA	Amount of alcoholic soft drinks (Monday) large cans/bottles	Diary
DDOTHA	Whether drunk any other types of alcoholic drink today (Monday)	Diary
DDOTH1AA	Amount of other drink (Monday) glasses	Diary
DDOTH2AA	Amount of other drink (Monday) pints	Diary
DDOTH3AA	Amount of other drink (Monday) large cans/bottles	Diary
DDOTH4AA	Amount of other drink (Monday) small cans/bottles	Diary
DDOTH1BA	Amount of other drink (Monday) glasses	Diary
DDOTH2BA	Amount of other drink (Monday) pints	Diary
DDOTH3BA	Amount of other drink (Monday) large cans/bottles	Diary
DDOTH4BA	Amount of other drink (Monday) small cans/bottles	Diary
DDWHHOMA	Where drank today - at home (Monday)	Diary
DDWHOHOA	Where drank today - another person's home (Monday)	Diary
DDWHPUBA	Where drank today - pub or bar (Monday)	Diary
DDWHCLUA	Where drank today - social club (Monday)	Diary
DDWHDISA	Where drank today - nightclub/disco (Monday)	Diary

DDWHRESA	Where drank today - restaurant (Monday)	Diary
DDWHOUTA	Where drank today - outdoor public space (Monday)	Diary
DDWHEVEA	Where drank today - bar at a public place (Monday)	Diary
DDWHOTHA	Where drank today - another place (Monday)	Diary
DDTMORNA	What time of day drinking - before 12 noon (Monday)	Diary
DDT123A	What time of day drinking - 12 noon to 3pm (Monday)	Diary
DDT36A	What time of day drinking - 3pm to 6pm (Monday)	Diary
DDT69A	What time of day drinking - 6pm to 9pm (Monday)	Diary
DDT9MIDA	What time of day drinking - 9pm to midnight (Monday)	Diary
DDTNIGHA	What time of day drinking - after midnight (Monday)	Diary
DDCOMMA1	Additional comments: Celebration/party/special occasion (Monday)	Diary
DDCOMMA2	Additional comments: Holiday (Monday)	Diary
DDCOMMA3	Additional comments: Stressed/unhappy/depressed (Monday)	Diary
DDCOMMA4	Additional comments: Drank to help sleep (Monday)	Diary
DDCOMMA5	Additional comments: Health reasons (Monday)	Diary
DDCOMMA6	Additional comments: Cost of alcohol (Monday)	Diary
DDCOMMA7	Additional comments: Rarely drink (Monday)	Diary
DDCOMMA8	Additional comments: Other (Monday)	Diary

## Weekday: Tuesday

DDDAYWKB	Day of the week (Tuesday)	Diary
DDSEQB	Sequence of completing days (Tuesday)	Diary
DDANYALB	Whether drunk any alcohol today (Tuesday)	Diary
DDBEERB	Whether drunk any beer today (Tuesday)	Diary
DDNBEE1B	Amount of normal beer etc (Tuesday) pints	Diary
DDNBEE2B	Amount of normal beer etc (Tuesday) large cans/bottles	Diary
DDNBEE3B	Amount of normal beer etc (Tuesday) small cans/bottles	Diary
DDSBEE1B	Amount of strong beer etc (Tuesday) pints	Diary
DDSBEE2B	Amount of strong beer etc (Tuesday) large cans/bottles	Diary
DDSBEE3B	Amount of strong beer etc (Tuesday) small cans/bottles	Diary
DDWINEB	Whether drunk any wine today (Tuesday)	Diary
DDWWINLB	Amount of white wine (Tuesday) large glass	Diary
DDWWISTB	Amount of white wine (Tuesday) standard glass	Diary
DDWWISMB	Amount of white wine (Tuesday) small glass	Diary
DDWWINBB	Amount of white wine (Tuesday) bottles	Diary
DDRWINLB	Amount of red wine (Tuesday) large glass	Diary
DDRWISTB	Amount of red wine (Tuesday) standard glass	Diary
DDRWISMB	Amount of red wine (Tuesday) small glass	Diary
DDRWINBB	Amount of red wine (Tuesday) bottles	Diary
DDROSELB	Amount of rose wine (Tuesday) large glass	Diary
DDROSSTB	Amount of rose wine (Tuesday) standard glass	Diary
DDROSSMB	Amount of rose wine (Tuesday) small glass	Diary
DDROSEBB	Amount of rose wine (Tuesday) bottles	Diary
DDSPRKLb	Amount of sparkling wine (Tuesday) large glass	Diary
DDSPKSTB	Amount of sparkling wine (Tuesday) standard glass	Diary
DDSPKSMB	Amount of sparkling wine (Tuesday) small glass	Diary
DDSPRKBB	Amount of sparkling wine (Tuesday) bottles	Diary
DDSPIRIB	Whether drunk any spirits today (Tuesday)	Diary
DDSPIRGB	Amount of spirits (Tuesday)	Diary
DDSHERRB	Whether drunk any sherry today (Tuesday)	Diary
DDSHERGB	Amount of sherry (Tuesday)	Diary
DDPOPSB	Whether drunk any alcopops today (Tuesday)	Diary
DDPOPSMB	Amount of alcoholic soft drinks (Tuesday) small cans/bottles	Diary
DDPOPLGB	Amount of alcoholic soft drinks (Tuesday) large cans/bottles	Diary
DDOTHB	Whether drunk any other types of alcoholic drink today (Tuesday)	Diary
DDOTH1AB	Amount of other drink (Tuesday) glasses	Diary
DDOTH2AB	Amount of other drink (Tuesday) pints	Diary
DDOTH3AB	Amount of other drink (Tuesday) large cans/bottles	Diary
DDOTH4AB	Amount of other drink (Tuesday) small cans/bottles	Diary
DDOTH1BB	Amount of other drink (Tuesday) glasses	Diary
DDOTH2BB	Amount of other drink (Tuesday) pints	Diary
DDOTH3BB	Amount of other drink (Tuesday) large cans/bottles	Diary
DDOTH4BB	Amount of other drink (Tuesday) small cans/bottles	Diary
DDWHHOMB	Where drank today - at home (Tuesday)	Diary
DDWHOHOB	Where drank today - another person's home (Tuesday)	Diary
DDWHPUBB	Where drank today - pub or bar (Tuesday)	Diary
DDWHCLU8	Where drank today - social club (Tuesday)	Diary

DDWHDISB	Where drank today - nightclub/disco (Tuesday)	Diary
DDWHRESB	Where drank today - restaurant (Tuesday)	Diary
DDWHOUTB	Where drank today - outdoor public space (Tuesday)	Diary
DDWHEVEB	Where drank today - bar at a public place (Tuesday)	Diary
DDWHOTHB	Where drank today - another place (Tuesday)	Diary
DDTMORNB	What time of day drinking - before 12 noon (Tuesday)	Diary
DDT123B	What time of day drinking - 12 noon to 3pm (Tuesday)	Diary
DDT36B	What time of day drinking - 3pm to 6pm (Tuesday)	Diary
DDT69B	What time of day drinking - 6pm to 9pm (Tuesday)	Diary
DDT9MIDB	What time of day drinking - 9pm to midnight (Tuesday)	Diary
DDTNIGHB	What time of day drinking - after midnight (Tuesday)	Diary
DDCOMMB1	Additional comments: Celebration/party/special occasion (Tuesday)	Diary
DDCOMMB2	Additional comments: Holiday (Tuesday)	Diary
DDCOMMB3	Additional comments: Stressed/unhappy/depressed (Tuesday)	Diary
DDCOMMB4	Additional comments: Drank to help sleep (Tuesday)	Diary
DDCOMMB5	Additional comments: Health reasons (Tuesday)	Diary
DDCOMMB6	Additional comments: Cost of alcohol (Tuesday)	Diary
DDCOMMB7	Additional comments: Rarely drink (Tuesday)	Diary
DDCOMMB8	Additional comments: Other (Tuesday)	Diary

## Weekday: Wednesday

DDDAYWKC	Day of the week (Wednesday)	Diary
DDSEQC	Sequence of completing days (Wednesday)	Diary
DDANYAL8	Whether drunk any alcohol today (Wednesday)	Diary
DDBEERC	Whether drunk any beer today (Wednesday)	Diary
DDNBEE1C	Amount of normal beer etc (Wednesday) pints	Diary
DDNBEE2C	Amount of normal beer etc (Wednesday) large cans/bottles	Diary
DDNBEE3C	Amount of normal beer etc (Wednesday) small cans/bottles	Diary
DDSBEE1C	Amount of strong beer etc (Wednesday) pints	Diary
DDSBEE2C	Amount of strong beer etc (Wednesday) large cans/bottles	Diary
DDSBEE3C	Amount of strong beer etc (Wednesday) small cans/bottles	Diary
DDWINEC	Whether drunk any wine today (Wednesday)	Diary
DDWWINLC	Amount of white wine (Wednesday) large glass	Diary
DDWWISTC	Amount of white wine (Wednesday) standard glass	Diary
DDWWISMC	Amount of white wine (Wednesday) small glass	Diary
DDWWINBC	Amount of white wine (Wednesday) bottles	Diary
DDRWINLC	Amount of red wine (Wednesday) large glass	Diary
DDRWISTC	Amount of red wine (Wednesday) standard glass	Diary
DDRWISMC	Amount of red wine (Wednesday) small glass	Diary
DDRWINBC	Amount of red wine (Wednesday) bottles	Diary
DDROSELC	Amount of rose wine (Wednesday) large glass	Diary
DDROSSTC	Amount of rose wine (Wednesday) standard glass	Diary
DDROSSMC	Amount of rose wine (Wednesday) small glass	Diary
DDROSEBC	Amount of rose wine (Wednesday) bottles	Diary
DDSPRKL	Amount of sparkling wine (Wednesday) large glass	Diary
DDSPKSTC	Amount of sparkling wine (Wednesday) standard glass	Diary
DDSPKSMC	Amount of sparkling wine (Wednesday) small glass	Diary
DDSPRKBC	Amount of sparkling wine (Wednesday) bottles	Diary
DDSPIRIC	Whether drunk any spirits today (Wednesday)	Diary
DDSPIRGC	Amount of spirits (Wednesday)	Diary
DDSHERRC	Whether drunk any sherry today (Wednesday)	Diary
DDSHERGC	Amount of sherry (Wednesday)	Diary
DDPOPSC	Whether drunk any alcopops today (Wednesday)	Diary
DDPOPSMC	Amount of alcoholic soft drinks (Wednesday) small cans/bottles	Diary
DDPOPLGC	Amount of alcoholic soft drinks (Wednesday) large cans/bottles	Diary
DDOTHC	Whether drunk any other types of alcoholic drink today (Wednesday)	Diary
DDOTH1AC	Amount of other drink (Wednesday) glasses	Diary
DDOTH2AC	Amount of other drink (Wednesday) pints	Diary
DDOTH3AC	Amount of other drink (Wednesday) large cans/bottles	Diary
DDOTH4AC	Amount of other drink (Wednesday) small cans/bottles	Diary
DDOTH1BC	Amount of other drink (Wednesday) glasses	Diary
DDOTH2BC	Amount of other drink (Wednesday) pints	Diary
DDOTH3BC	Amount of other drink (Wednesday) large cans/bottles	Diary
DDOTH4BC	Amount of other drink (Wednesday) small cans/bottles	Diary
DDWHHOMC	Where drank today - at home (Wednesday)	Diary
DDWHOHO	Where drank today - another person's home (Wednesday)	Diary
DDWHPUBC	Where drank today - pub or bar (Wednesday)	Diary

DDWHCLUC	Where drank today - social club (Wednesday)	Diary
DDWHDIS8	Where drank today - nightclub/disco (Wednesday)	Diary
DDWHRESC	Where drank today - restaurant (Wednesday)	Diary
DDWHOUTC	Where drank today - outdoor public space (Wednesday)	Diary
DDWHEVEC	Where drank today - bar at a public place (Wednesday)	Diary
DDWHOTHC	Where drank today - another place (Wednesday)	Diary
DDTMORNC	What time of day drinking - before 12 noon (Wednesday)	Diary
DDT123C	What time of day drinking - 12 noon to 3pm (Wednesday)	Diary
DDT36C	What time of day drinking - 3pm to 6pm (Wednesday)	Diary
DDT69C	What time of day drinking - 6pm to 9pm (Wednesday)	Diary
DDT9MIDC	What time of day drinking - 9pm to midnight (Wednesday)	Diary
DDTNIGHC	What time of day drinking - after midnight (Wednesday)	Diary
DDCOMMC1	Additional comments: Celebration/party/special occasion (Wednesday)	Diary
DDCOMMC2	Additional comments: Holiday (Wednesday)	Diary
DDCOMMC3	Additional comments: Stressed/unhappy/depressed (Wednesday)	Diary
DDCOMMC4	Additional comments: Drank to help sleep (Wednesday)	Diary
DDCOMMC5	Additional comments: Health reasons (Wednesday)	Diary
DDCOMMC6	Additional comments: Cost of alcohol (Wednesday)	Diary
DDCOMMC7	Additional comments: Rarely drink (Wednesday)	Diary
DDCOMMC8	Additional comments: Other (Wednesday)	Diary

## Weekday: Thursday

DDDAYWKD	Day of the week (Thursday)	Diary
DDSEQD	Sequence of completing days (Thursday)	Diary
DDANYALD	Whether drunk any alcohol today (Thursday)	Diary
DDBEERD	Whether drunk any beer today (Thursday)	Diary
DDNBEE1D	Amount of normal beer etc (Thursday)	Diary
DDNBEE2D	Amount of normal beer etc (Thursday)	Diary
DDNBEE3D	Amount of normal beer etc (Thursday)	Diary
DDSBEE1D	Amount of strong beer etc (Thursday)	Diary
DDSBEE2D	Amount of strong beer etc (Thursday)	Diary
DDSBEE3D	Amount of strong beer etc (Thursday)	Diary
DDWINED	Whether drunk any wine today (Thursday)	Diary
DDWWINLD	Amount of white wine (Thursday)	Diary
DDWWISTD	Amount of white wine (Thursday)	Diary
DDWWISMD	Amount of white wine (Thursday)	Diary
DDWWINBD	Amount of white wine (Thursday)	Diary
DDRWINLD	Amount of red wine (Thursday)	Diary
DDRWISTD	Amount of red wine (Thursday)	Diary
DDRWISMD	Amount of red wine (Thursday)	Diary
DDRWINBD	Amount of red wine (Thursday)	Diary
DDROSELD	Amount of rose wine (Thursday)	Diary
DDROSSTD	Amount of rose wine (Thursday)	Diary
DDROSSMD	Amount of rose wine (Thursday)	Diary
DDROSEBD	Amount of rose wine (Thursday)	Diary
DDSPRKLD	Amount of sparkling wine (Thursday)	Diary
DDSPKSTD	Amount of sparkling wine (Thursday)	Diary
DDSPKSMD	Amount of sparkling wine (Thursday)	Diary
DDSPRKBD	Amount of sparkling wine (Thursday)	Diary
DDSPIRID	Whether drunk any spirits today (Thursday)	Diary
DDSPIRGD	Amount of spirits (Thursday)	Diary
DDSHERRD	Whether drunk any sherry today (Thursday)	Diary
DDSHERGD	Amount of sherry (Thursday)	Diary
DDPOPSD	Whether drunk any alcopops today (Thursday)	Diary
DDPOPSMD	Amount of alcoholic soft drinks (Thursday) small cans/bottles	Diary
DDPOPLGD	Amount of alcoholic soft drinks (Thursday) large cans/bottles	Diary
DDOTHD	Whether drunk any other types of alcoholic drink today (Thursday)	Diary
DDOTH1AD	Amount of other drink (Thursday) glasses	Diary
DDOTH2AD	Amount of other drink (Thursday) pints	Diary
DDOTH3AD	Amount of other drink (Thursday) large cans/bottles	Diary
DDOTH4AD	Amount of other drink (Thursday) small cans/bottles	Diary
DDOTH1BD	Amount of other drink (Thursday) glasses	Diary
DDOTH2BD	Amount of other drink (Thursday) pints	Diary
DDOTH3BD	Amount of other drink (Thursday) large cans/bottles	Diary
DDOTH4BD	Amount of other drink (Thursday) small cans/bottles	Diary
DDWHHOMD	Where drank today - at home (Thursday)	Diary
DDWHOHOHOD	Where drank today - another person's home (Thursday)	Diary

DDWHPUBD	Where drank today - pub or bar (Thursday)	Diary
DDWHCLUD	Where drank today - social club (Thursday)	Diary
DDWHDISD	Where drank today - nightclub/disco (Thursday)	Diary
DDWHRES	Where drank today - restaurant (Thursday)	Diary
DDWHOUTD	Where drank today - outdoor public space (Thursday)	Diary
DDWHEVED	Where drank today - bar at a public place (Thursday)	Diary
DDWHOTHD	Where drank today - another place (Thursday)	Diary
DDTMORND	What time of day drinking - before 12 noon (Thursday)	Diary
DDT123D	What time of day drinking - 12 noon to 3pm (Thursday)	Diary
DDT36D	What time of day drinking - 3pm to 6pm (Thursday)	Diary
DDT69D	What time of day drinking - 6pm to 9pm (Thursday)	Diary
DDT9MIDD	What time of day drinking - 9pm to midnight (Thursday)	Diary
DDTNIGHD	What time of day drinking - after midnight (Thursday)	Diary
DDCOMMD1	Additional comments: Celebration/party/special occasion (Thursday)	Diary
DDCOMMD2	Additional comments: Holiday (Thursday)	Diary
DDCOMMD3	Additional comments: Stressed/unhappy/depressed (Thursday)	Diary
DDCOMMD4	Additional comments: Drank to help sleep (Thursday)	Diary
DDCOMMD5	Additional comments: Health reasons (Thursday)	Diary
DDCOMMD6	Additional comments: Cost of alcohol (Thursday)	Diary
DDCOMMD7	Additional comments: Rarely drink (Thursday)	Diary
DDCOMMD8	Additional comments: Other (Thursday)	Diary
DDDAYWKE	Day of the week (Thursday)	Diary

## Weekday: Friday

DDSEQE	Sequence of completing days (Friday)	Diary
DDANYALE	Whether drunk any alcohol today (Friday) small cans/bottles	Diary
DDBEERE	Whether drunk any beer today (Friday) large cans/bottles	Diary
DDNBEE1E	Amount of normal beer etc (Friday) pints	Diary
DDNBEE2E	Amount of normal beer etc (Friday) large cans/bottles	Diary
DDNBEE3E	Amount of normal beer etc (Friday) small cans/bottles	Diary
DDSBEE1E	Amount of strong beer etc (Friday) pints	Diary
DDSBEE2E	Amount of strong beer etc (Friday) large cans/bottles	Diary
DDSBEE3E	Amount of strong beer etc (Friday) small cans/bottles	Diary
DDWINEE	Whether drunk any wine today (Friday)	Diary
DDWWINLE	Amount of white wine (Friday) large glass	Diary
DDWWISTE	Amount of white wine (Friday) standard glass	Diary
DDWWISME	Amount of white wine (Friday) small glass	Diary
DDWWINBE	Amount of white wine (Friday) bottles	Diary
DDRWINLE	Amount of red wine (Friday) large glass	Diary
DDRWISTE	Amount of red wine (Friday) standard glass	Diary
DDRWISME	Amount of red wine (Friday) small glass	Diary
DDRWINBE	Amount of red wine (Friday) bottles	Diary
DDROSELE	Amount of rose wine (Friday) large glass	Diary
DDROSSTE	Amount of rose wine (Friday) standard glass	Diary
DDROSSME	Amount of rose wine (Friday) small glass	Diary
DDROSEBE	Amount of rose wine (Friday) bottles	Diary
DDSPRKLE	Amount of sparkling wine (Friday) large glass	Diary
DDSPKSTE	Amount of sparkling wine (Friday) standard glass	Diary
DDSPKSME	Amount of sparkling wine (Friday) small glass	Diary
DDSPRKBE	Amount of sparkling wine (Friday) bottles	Diary
DDSPIRIE	Whether drunk any spirits today (Friday)	Diary
DDSPIRGE	Amount of spirits (Friday)	Diary
DDSHERRE	Whether drunk any sherry today (Friday)	Diary
DDSHERGE	Amount of sherry (Friday)	Diary
DDPOPSE	Whether drunk any alcopops today (Friday)	Diary
DDPOPSME	Amount of alcoholic soft drinks (Friday) small cans/bottles	Diary
DDPOPLGE	Amount of alcoholic soft drinks (Friday) large cans/bottles	Diary
DDOTHE	Whether drunk any other types of alcoholic drink today (Friday)	Diary
DDOTH1AE	Amount of other drink (Friday) glasses	Diary
DDOTH2AE	Amount of other drink (Friday) pints	Diary
DDOTH3AE	Amount of other drink (Friday) large cans/bottles	Diary
DDOTH4AE	Amount of other drink (Friday) small cans/bottles	Diary
DDOTH1BE	Amount of other drink (Friday) glasses	Diary
DDOTH2BE	Amount of other drink (Friday) pints	Diary
DDOTH3BE	Amount of other drink (Friday) large cans/bottles	Diary
DDOTH4BE	Amount of other drink (Friday) small cans/bottles	Diary
DDWHHOM8	Where drank today - at home (Friday)	Diary

DDWHOHOE	Where drank today - another person's home (Friday)	Diary
DDWHPUBE	Where drank today - pub or bar (Friday)	Diary
DDWHCLUE	Where drank today - social club (Friday)	Diary
DDWHDISE	Where drank today - nightclub/disco (Friday)	Diary
DDWHRESE	Where drank today - restaurant (Friday)	Diary
DDWHOUTE	Where drank today - outdoor public space (Friday)	Diary
DDWHEVEE	Where drank today - bar at a public place (Friday)	Diary
DDWHOTHE	Where drank today - another place (Friday)	Diary
DDTMORNE	What time of day drinking - before 12 noon (Friday)	Diary
DDT123E	What time of day drinking - 12 noon to 3pm (Friday)	Diary
DDT36E	What time of day drinking - 3pm to 6pm (Friday)	Diary
DDT69E	What time of day drinking - 6pm to 9pm (Friday)	Diary
DDT9MIDE	What time of day drinking - 9pm to midnight (Friday)	Diary
DDTNIGHE	What time of day drinking - after midnight (Friday)	Diary
DDCOMME1	Additional comments: Celebration/party/special occasion (Friday)	Diary
DDCOMME2	Additional comments: Holiday (Friday)	Diary
DDCOMME3	Additional comments: Stressed/unhappy/depressed (Friday)	Diary
DDCOMME4	Additional comments: Drank to help sleep (Friday)	Diary
DDCOMME5	Additional comments: Health reasons (Friday)	Diary
DDCOMME6	Additional comments: Cost of alcohol (Friday)	Diary
DDCOMME7	Additional comments: Rarely drink (Friday)	Diary
DDCOMME8	Additional comments: Other (Friday)	Diary

## Weekday: Saturday

DDDAYWKF	Day of the week (Saturday)	Diary
DDSEQF	Sequence of completing days (Saturday)	Diary
DDANYALF	Whether drunk any alcohol today (Saturday)	Diary
DDBEERF	Whether drunk any beer today (Saturday)	Diary
DDNBEE1F	Amount of normal beer etc (Saturday) pints	Diary
DDNBEE2F	Amount of normal beer etc (Saturday) large cans/bottles	Diary
DDNBEE3F	Amount of normal beer etc (Saturday) small cans/bottles	Diary
DDSBEE1F	Amount of strong beer etc (Saturday) pints	Diary
DDSBEE2F	Amount of strong beer etc (Saturday) large cans/bottles	Diary
DDSBEE3F	Amount of strong beer etc (Saturday) small cans/bottles	Diary
DDWINEF	Whether drunk any wine today (Saturday)	Diary
DDWWINLF	Amount of white wine (Saturday) large glass	Diary
DDWWISTF	Amount of white wine (Saturday) standard glass	Diary
DDWWISMF	Amount of white wine (Saturday) small glass	Diary
DDWWINBF	Amount of white wine (Saturday) bottles	Diary
DDRWINLF	Amount of red wine (Saturday) large glass	Diary
DDRWISTF	Amount of red wine (Saturday) standard glass	Diary
DDRWISMF	Amount of red wine (Saturday) small glass	Diary
DDRWINBF	Amount of red wine (Saturday) bottles	Diary
DDROSELF	Amount of rose wine (Saturday) large glass	Diary
DDROSSTF	Amount of rose wine (Saturday) standard glass	Diary
DDROSSMF	Amount of rose wine (Saturday) small glass	Diary
DDROSEBF	Amount of rose wine (Saturday) bottles	Diary
DDSPRKLf	Amount of sparkling wine (Saturday) large glass	Diary
DDSPKSTF	Amount of sparkling wine (Saturday) standard glass	Diary
DDSPKSMF	Amount of sparkling wine (Saturday) small glass	Diary
DDSPRKBF	Amount of sparkling wine (Saturday) bottles	Diary
DDSPIRIF	Whether drunk any spirits today (Saturday)	Diary
DDSPIRGF	Amount of spirits (Saturday)	Diary
DDSHERRF	Whether drunk any sherry today (Saturday)	Diary
DDSHERGF	Amount of sherry (Saturday)	Diary
DDPOPSF	Whether drunk any alcopops today (Saturday)	Diary
DDPOPSMF	Amount of alcoholic soft drinks (Saturday) small cans/bottles	Diary
DDPOPLGF	Amount of alcoholic soft drinks (Saturday) large cans/bottles	Diary
DDOTHF	Whether drunk any other types of alcoholic drink today (Saturday)	Diary
DDOTH1AF	Amount of other drink (Saturday) glasses	Diary
DDOTH2AF	Amount of other drink (Saturday) pints	Diary
DDOTH3AF	Amount of other drink (Saturday) large cans/bottles	Diary
DDOTH4AF	Amount of other drink (Saturday) small cans/bottles	Diary
DDOTH1BF	Amount of other drink (Saturday) glasses	Diary
DDOTH2BF	Amount of other drink (Saturday) pints	Diary
DDOTH3BF	Amount of other drink (Saturday) large cans/bottles	Diary
DDOTH4BF	Amount of other drink (Saturday) small cans/bottles	Diary

DDWHHOMF	Where drank today - at home (Saturday)	Diary
DDWHOHOHOF	Where drank today - another person's home (Saturday)	Diary
DDWH PUBF	Where drank today - pub or bar (Saturday)	Diary
DDWHCLUF	Where drank today - social club (Saturday)	Diary
DDWHDISF	Where drank today - nightclub/disco (Saturday)	Diary
DDWHRESF	Where drank today - restaurant (Saturday)	Diary
DDWHOUTF	Where drank today - outdoor public space (Saturday)	Diary
DDWHEVEF	Where drank today - bar at a public place (Saturday)	Diary
DDWHOTHF	Where drank today - another place (Saturday)	Diary
DDTMORNF	What time of day drinking - before 12 noon (Saturday)	Diary
DDT123F	What time of day drinking - 12 noon to 3pm (Saturday)	Diary
DDT36F	What time of day drinking - 3pm to 6pm (Saturday)	Diary
DDT69F	What time of day drinking - 6pm to 9pm (Saturday)	Diary
DDT9MIDF	What time of day drinking - 9pm to midnight (Saturday)	Diary
DDTNIGHF	What time of day drinking - after midnight (Saturday)	Diary
DDCOMMF1	Additional comments: Celebration/party/special occasion (Saturday)	Diary
DDCOMMF2	Additional comments: Holiday (Saturday)	Diary
DDCOMMF3	Additional comments: Stressed/unhappy/depressed (Saturday)	Diary
DDCOMMF4	Additional comments: Drank to help sleep (Saturday)	Diary
DDCOMMF5	Additional comments: Health reasons (Saturday)	Diary
DDCOMMF6	Additional comments: Cost of alcohol (Saturday)	Diary
DDCOMMF7	Additional comments: Rarely drink (Saturday)	Diary
DDCOMMF8	Additional comments: Other (Saturday)	Diary

## Weekday: Sunday

DDDAYWKG	Day of the week (Sunday)	Diary
DDSEQG	Sequence of completing days (Sunday)	Diary
DDANYALG	Whether drunk any alcohol today (Sunday)	Diary
DDBEERG	Whether drunk any beer today (Sunday)	Diary
DDNBEE1G	Amount of normal beer etc (Sunday) pints	Diary
DDNBEE2G	Amount of normal beer etc (Sunday) large cans/bottles	Diary
DDNBEE3G	Amount of normal beer etc (Sunday) small cans/bottles	Diary
DDSBEE1G	Amount of strong beer etc (Sunday) pints	Diary
DDSBEE2G	Amount of strong beer etc (Sunday) large cans/bottles	Diary
DDSBEE3G	Amount of strong beer etc (Sunday) small cans/bottles	Diary
DDWINEG	Whether drunk any wine today (Sunday)	Diary
DDWWINLG	Amount of white wine (Sunday) large glass	Diary
DDWWISTG	Amount of white wine (Sunday) standard glass	Diary
DDWWISMG	Amount of white wine (Sunday) small glass	Diary
DDWWINBG	Amount of white wine (Sunday) bottles	Diary
DDRWINLG	Amount of red wine (Sunday) large glass	Diary
DDRWISTG	Amount of red wine (Sunday) standard glass	Diary
DDRWISMG	Amount of red wine (Sunday) small glass	Diary
DDRWINBG	Amount of red wine (Sunday) bottles	Diary
DDROSELG	Amount of rose wine (Sunday) large glass	Diary
DDROSSTG	Amount of rose wine (Sunday) standard glass	Diary
DDROSSMG	Amount of rose wine (Sunday) small glass	Diary
DDROSEBG	Amount of rose wine (Sunday) bottles	Diary
DDSPRKL	Amount of sparkling wine (Sunday) large glass	Diary
DDSPKSTG	Amount of sparkling wine (Sunday) standard glass	Diary
DDSPKSMG	Amount of sparkling wine (Sunday) small glass	Diary
DDSPRKBG	Amount of sparkling wine (Sunday) bottles	Diary
DDSPIRIG	Whether drunk any spirits today (Sunday)	Diary
DDSPIRGG	Amount of spirits (Sunday)	Diary
DDSHERRG	Whether drunk any sherry today (Sunday)	Diary
DDSHERRG	Amount of sherry (Sunday)	Diary
DDPOPSG	Whether drunk any alcopops today (Sunday)	Diary
DDPOPSMG	Amount of alcoholic soft drinks (Sunday) small cans/bottles	Diary
DDPOPLGG	Amount of alcoholic soft drinks (Sunday) large cans/bottles	Diary
DDOTHG	Whether drunk any other types of alcoholic drink today (Sunday)	Diary
DDOTH1AG	Amount of other drink (Sunday) glasses	Diary
DDOTH2AG	Amount of other drink (Sunday) pints	Diary
DDOTH3AG	Amount of other drink (Sunday) large cans/bottles	Diary
DDOTH4AG	Amount of other drink (Sunday) small cans/bottles	Diary
DDOTH1BG	Amount of other drink (Sunday) glasses	Diary
DDOTH2BG	Amount of other drink (Sunday) pints	Diary
DDOTH3BG	Amount of other drink (Sunday) large cans/bottles	Diary

DDOTH4BG	Amount of other drink (Sunday) small cans/bottles	Diary
DDWHHOMG	Where drank today - at home (Sunday)	Diary
DDWHOHOHOG	Where drank today - another person's home (Sunday)	Diary
DDWHPUBG	Where drank today - pub or bar (Sunday)	Diary
DDWHCLUG	Where drank today - social club (Sunday)	Diary
DDWHDISG	Where drank today - nightclub/disco (Sunday)	Diary
DDWHRESG	Where drank today - restaurant (Sunday)	Diary
DDWHOUTG	Where drank today - outdoor public space (Sunday)	Diary
DDWHEVEG	Where drank today - bar at a public place (Sunday)	Diary
DDWHOTHG	Where drank today - another place (Sunday)	Diary
DDTMORNG	What time of day drinking - before 12 noon (Sunday)	Diary
DDT123G	What time of day drinking - 12 noon to 3pm (Sunday)	Diary
DDT36G	What time of day drinking - 3pm to 6pm (Sunday)	Diary
DDT69G	What time of day drinking - 6pm to 9pm (Sunday)	Diary
DDT9MIDG	What time of day drinking - 9pm to midnight (Sunday)	Diary
DDTNIGHG	What time of day drinking - after midnight (Sunday)	Diary
DDCOMM1G	Additional comments: Celebration/party/special occasion (Sunday)	Diary
DDCOMM2G	Additional comments: Holiday (Sunday)	Diary
DDCOMM3G	Additional comments: Stressed/unhappy/depressed (Sunday)	Diary
DDCOMM4G	Additional comments: Drank to help sleep (Sunday)	Diary
DDCOMM5G	Additional comments: Health reasons (Sunday)	Diary
DDCOMM6G	Additional comments: Cost of alcohol (Sunday)	Diary
DDCOMM7G	Additional comments: Rarely drink (Sunday)	Diary
DDCOMM8G	Additional comments: Other (Sunday)	Diary
DDCOMPAR	Whole week compared with usual (DiaryDat.DDCompar)	Diary
DDDIFF	Why drank more or less (DiaryDat.DDDiff)	Diary
DDYDIF1	Reasons for drinking more or less: Celebration/party/special occasion	Diary
DDYDIF2	Reasons for drinking more or less: Holiday	Diary
DDYDIF3	Reasons for drinking more or less: Stressed/unhappy/depressed	Diary
DDYDIF4	Reasons for drinking more or less: Drank to help sleep	Diary
DDYDIF5	Reasons for drinking more or less: Health reasons	Diary
DDYDIF6	Reasons for drinking more or less: Cost of alcohol	Diary
DDYDIF7	Reasons for drinking more or less: Rarely drink	Diary
DDYDIF8	Reasons for drinking more or less: Other	Diary

## Alcohol consumption from diary

DDLSTMTMTH	Drinking days in last month	Diary
DDUNITWG1	(D) Units of alcohol drunk on day 1 of drinking diary	Derived
DDUNITWG2	(D) Units of alcohol drunk on day 2 of drinking diary	Derived
DDUNITWG3	(D) Units of alcohol drunk on day 3 of drinking diary	Derived
DDUNITWG4	(D) Units of alcohol drunk on day 4 of drinking diary	Derived
DDUNITWG5	(D) Units of alcohol drunk on day 5 of drinking diary	Derived
DDUNITWG6	(D) Units of alcohol drunk on day 6 of drinking diary	Derived
DDUNITWG7	(D) Units of alcohol drunk on day 7 of drinking diary	Derived
DDUNITWK	(D) Units of alcohol drunk over all 7 days of drinking diary	Derived
DDUNITWGA	(D) Units of alcohol drunk on Monday of drinking diary	Derived
DDUNITWGB	(D) Units of alcohol drunk on Tuesday of drinking diary	Derived
DDUNITWGC	(D) Units of alcohol drunk on Wednesday of drinking diary	Derived
DDUNITWGD	(D) Units of alcohol drunk on Thursday of drinking diary	Derived
DDUNITWGE	(D) Units of alcohol drunk on Friday of drinking diary	Derived
DDUNITWGF	(D) Units of alcohol drunk on Saturday of drinking diary	Derived
DDUNITWGG	(D) Units of alcohol drunk on Sunday of drinking diary	Derived
DDUNITWD	(D) Units of alcohol drunk over all 7 days of drinking diary (based on day of the week)	Derived
DDAY1	(D) Day 1 units	Derived
DDAY2	(D) Day 2 units	Derived
DDAY3	(D) Day 3 units	Derived
DDAY4	(D) Day 4 units	Derived
DDAY5	(D) Day 5 units	Derived
DDAY6	(D) Day 6 units	Derived
DDAY7	(D) Day 7 units	Derived
DAYDONE	(D) Drinking diary days completed	Derived
WEEKTOT	(D) Drinking diary: total units in week	Derived
HIDRINK	(D) Drinking diary: amount drunk on highest drinking day	Derived
DRDAYS	(D) Number of days drank alcohol	Derived
HIDRINKG	(D) Drinking diary: highest drinking day units grouped	Derived
HIWOMEN	(D) Drinking diary: women highest day units	Derived

HIMEN	(D) Drinking diary: men highest day units	Derived
DDALCLIM	(D) Alcohol units - limits based on diary units per day	Derived
DIARYSUM	(D) Summary of drinking based on all	Derived

# Fruit and Vegetable Consumption

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

FRTUSUAL	Ate/drank more than usual amounts of fruit and fruit juice yesterday	Indiv
PORPUL	(D) Portion of pulses	Derived
PORSAL	(D) Portion of salad	Derived
PORVEG	(D) Portion of vegetables	Derived
PORVDISH	(D) Portion of vegetables in composites	Derived
PORJUICE	(D) Portion of fruit juice	Derived
PORFRT	(D) Portion of all sized fruit	Derived
PORDRY	(D) Portion of dried fruit	Derived
PORFROZ	(D) Portion of frozen fruit/canned fruit	Derived
PORFDISH	(D) Portion of fruit in composites	Derived
VEGPOR	(D) Total portion of vegetables (inc.salad)	Derived
FRTPOR	(D) Total portion of fruit	Derived
PORFV	(D) Total portion of fruit and veg	Derived
PORFTVG	(D) Grouped portions of fruit (inc.orange juice) & veg yesterday	Derived

# General Health

## General Health

Variable	Description	Source
ACUTILL	(D) Acute sickness last two weeks	Derived
LASTFORT	Cut activities due to health (last 2 weeks)	Indiv
DAYSCUT	No. of days cut down on activities	Indiv
PREGNTJ	Whether currently pregnant 16+	Indiv
UPREG	Whether currently pregnant 10-15	Indiv
NCPREGJ	Whether pregnant	Nurse
BLADDER	Do you suffer from problems with your bladder?	SC Adult
BOWELS	Do you suffer from problems with controlling your bowels?	SC Adult
BLADPROB	(D) Bladder problem - binary	Derived
BOWPROB	(D) Bowel problem - binary	Derived

## EQ5D

Variable	Description	Source
VASGP	(D) Visual Analogue Scale score grouped	Derived
HTHSTAT	Best/worst imaginable health state	SC 16+
MOBILITY	Mobility	SC 16+
SELFCARE	Self-Care	SC 16+
USUALACT	Usual activities	SC 16+
PAIN	Pain/Discomfort	SC 16+
ANXIETY	Anxiety/Depression	SC 16+

## General wellbeing

Variable	Description	Source
WEMWBS	(D) WEMWBS score	Derived
OPTIMF	Been feeling optimistic about the future	SC 16+
YMOBIL	Problems in mobility	SC 16+
YSCARE	Problems in self-care	SC 16+
YUSEACT	Problems with usual activities	SC 16+
YPAIN	Pain/discomfort	SC 16+
YANXIETY	Anxiety/depression	SC 16+
YHSTAT	State of health	SC 16+
USEFUL	Been feeling useful	SC 16+
RELAX	Been feeling relaxed	SC 16+
INTPEOP	Been feeling interested in other people	SC 16+
ENERGY	I've had energy to spare	SC 16+
DEALPRB	Been dealing with problems well	SC 16+
THKCLR	Been thinking clearly	SC 16+
GOODME	Been feeling good about myself	SC 16+
CLSEPEOP	Been feeling close to other people	SC 16+
CONFIDET	Been feeling confident	SC 16+
MAKEMIND	Been able to make up my own mind about things	SC 16+
LOVED	Been feeling loved	SC 16+
INTTHGS	Been interested in new things	SC 16+
CHEER	Been feeling cheerful	SC 16+
HAPPY	Happiness Scale	SC 16+

## Autonomy at work

Variable	Description	Source
PAIDWK	Currently in paid employment?	SC 16+
COPEJOB	Able to cope with the demands of job	SC 16+
CHOICEWK	Have a choice in deciding how to go about work	SC 16+
SUPPTWK	Get help and support from line manager?	SC 16+
LOSEJOB	How likely will lose job and become unemployed within next 12 months?	SC 16+

## Healthy Foundations segments

Variable	Description	Source
GOODSELF	Agreement with statement: I feel good about myself	SC 16+
LIKERISK	Agreement with statement: I get a lot of pleasure from taking risks	SC 16+
FOCNOW	Agreement with statement: I generally focus on the here and now	SC 16+
LEARMIS	Agreement with statement: I learn from my mistakes	SC 16+
IMPMONEY	Importance of having money, wealth and possessions	SC 16+
IMPIMG	Importance of having an image that others find appealing	SC 16+
HEALTHY	Agreement with statement: Following healthy lifestyle reduces chances of becoming ill	SC 16+
HEALALL	Agreement with statement: If don't have health, don't have anything	SC 16+
GOODHEAL	Agreement with statement: There is nothing more important than good health	SC 16+
INVOSHALL	Agreement with statement: I'm very involved in my health	SC 16+
CONTHEAL	Agreement with statement: I am in control of my own health	SC 16+
PERSHEAL	Agreement with statement: Main thing which affects health is what I personally do	SC 16+
GETILL	Agreement with statement: If person is meant to get ill, they will get ill	SC 16+
YRHEAL	Agreement with statement: Intend to lead healthy lifestyle over next 12 months	SC 16+
DIFFHEAL	Difficulty of leading a healthy lifestyle	SC 16+
CONTHYR	Amount of control over leading a healthy lifestyle over next year	SC 16+
ENJHEAL	How enjoyable leading a healthy lifestyle would be	SC 16+
WHENRISK	When health could be at risk ...	SC 16+
SERILL	How likely will get seriously ill	SC 16+
SEGMENT	(D) Health foundations lifestyle segment	Derived

## Stengths and difficulties

Variable	Description	Source
SDQFEEL	Considerate of other people s feelings	S&D SC 4-15
SDQHYPER	Restless, overactive, cannot stay still for long	S&D SC 4-15
SDQACHES	Often complains of headaches, stomach-aches or sickness	S&D SC 4-15
SDQSHARE	Shares readily with other children (treats, toys, pencils etc.)	S&D SC 4-15
SDQTEMPR	Often has temper tantrums or hot tempers	S&D SC 4-15
SDQALONE	Rather solitary, tends to play alone	S&D SC 4-15
SDQOBEYS	Generally obedient, usually does what adults request	S&D SC 4-15
SDQWORRY	Many worries, often seems worried	S&D SC 4-15
SDQHELP	Helpful if someone is hurt, upset or feeling ill	S&D SC 4-15
SDQFIDGT	Constantly fidgeting or squirming	S&D SC 4-15
SDQPAL	Has at least one good friend	S&D SC 4-15
SDQFIGHT	Often fights with other children or bullies them	S&D SC 4-15
SDQSAD	Often unhappy, down-hearted or tearful	S&D SC 4-15
SDQLIKED	Generally liked by other children	S&D SC 4-15
SDQDAZE	Easily distracted, concentration wanders	S&D SC 4-15
SDQCLING	Nervous or clingy in new situations, easily loses confidence	S&D SC 4-15
SDQKIND	Kind to younger children	S&D SC 4-15
SDQLIES	Often lies or cheats	S&D SC 4-15
SDQBULLD	Picked on or bullied by other children	S&D SC 4-15
SDQVOLS	Often volunteers to help others (parents, teachers, other children)	S&D SC 4-15
SDQTHINK	Thinks things out before acting	S&D SC 4-15
SDQSTEAL	Steals from home, school or elsewhere	S&D SC 4-15
SDQADULT	Gets on better with adults than with other children	S&D SC 4-15
SDQFEARS	Many fears, easily scared	S&D SC 4-15
SDQTEND	Sees tasks through to the end, good attention span	S&D SC 4-15
SDQDIFF	Child has difficulties?	S&D SC 4-15
SDQLDIF	How long have these difficulties been present?	S&D SC 4-15
SDQDDIS	Do the difficulties upset or distress your child?	S&D SC 4-15
SDQDHOM	Do the difficulties interfere with home life?	S&D SC 4-15
SDQDFRND	Do the difficulties interfere with friendships?	S&D SC 4-15
SDQDCLSS	Do the difficulties interfere with classroom learning?	S&D SC 4-15
SDQDLEIS	Do the difficulties interfere with leisure activities?	S&D SC 4-15
SDQDBURD	Do the difficulties put a burden on you or the family?	S&D SC 4-15
SDQWEIG	How parent views child's weight	S&D SC 4-15

## Folic Acid (women only)

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

## Longstanding Illness

Variable	Description	Source
LONGILL	Whether has longstanding illness	Indiv
ILLSM1	Type of illness - 1st	Indiv
ILLSM2	Type of illness - 2nd	Indiv
ILLSM3	Type of illness - 3rd	Indiv
ILLSM4	Type of illness - 4th	Indiv
ILLSM5	Type of illness - 5th	Indiv
ILLSM	Type of illness - 6th	Indiv
LIMITACT	Activities limited due to illness	Indiv
LIMITILL	(D) Limiting longstanding illness	Derived
COMPM1	(D) II Neoplasms & benign growths	Derived
COMPM2	(D) III Endocrine & metabolic	Derived
COMPM3	(D) V Mental disorders	Derived
COMPM4	(D) VI Nervous system	Derived
COMPM5	(D) VI Eye complaints	Derived
COMPM6	(D) VI Ear complaints	Derived
COMPM7	(D) VII Heart & circulatory system	Derived
COMPM8	(D) VIII Respiratory system	Derived
COMPM9	(D) IX Digestive system	Derived
COMPM10	(D) X Genito-urinary system	Derived
COMPM11	(D) XII Skin complaints	Derived
COMPM12	(D) XIII Musculoskeletal system	Derived
COMPM13	(D) I Infectious disease	Derived
COMPM14	(D) IV Blood & related organs	Derived
COMPM15	(D) Other complaints	Derived
COMPM17	(D) No long-standing illness	Derived
COMPM18	(D) No longer present	Derived
COMPM99	(D) Unclass/NLP/inadeq.describe	Derived
CONDCNT	(D) Number of grouped condition categories	Derived
CONDCNT2	(D) Number of grouped conditions - 4 plus	Derived

## Prescribed Medicines: Drugs affecting blood analytes

Variable	Description	Source
DIUR	(D) Diuretics (Blood pressure)	Derived
BETA	(D) Beta blockers (Blood pressure/Fibrinogen)	Derived
ACEINH	(D) Ace inhibitors(Blood pressure)	Derived
CALCIUMB	(D) Calcium blockers (Blood pressure)	Derived
OBPDRUG	(D) Other drugs affecting BP	Derived
LIPID	(D) Lipid lowering (Cholesterol/Fibrinogen) - prescribed	Derived
IRON	(D) Iron deficiency (Haemoglobin/Ferritin)	Derived
BPMEDC	(D) Whether taking drugs affecting blood pressure	Derived
BPMEDD	(D) Whether taking drugs prescribed for blood pressure	Derived
BPTODAY	Whether taken any medication for blood pressure today	Indiv
BPHOUR	When last took medication for blood pressure	Indiv

## Prescribed Medicines: General

Variable	Description	Source
NUMMEDS	Number of medicines	Nurse
MEDBIA1	Whether medicine used in last 7 days	Nurse
MEDBIA2	Whether medicine used in last 7 days	Nurse
MEDBIA3	Whether medicine used in last 7 days	Nurse
MEDBIA4	Whether medicine used in last 7 days	Nurse
MEDBIA5	Whether medicine used in last 7 days	Nurse

MEDBIA6	Whether medicine used in last 7 days	Nurse
MEDBIA7	Whether medicine used in last 7 days	Nurse
MEDBIA8	Whether medicine used in last 7 days	Nurse
MEDBIA9	Whether medicine used in last 7 days	Nurse
MEDBIA10	Whether medicine used in last 7 days	Nurse
MEDBIA11	Whether medicine used in last 7 days	Nurse
MEDBIA12	Whether medicine used in last 7 days	Nurse
MEDBIA13	Whether medicine used in last 7 days	Nurse
MEDBIA14	Whether medicine used in last 7 days	Nurse
MEDBIA15	Whether medicine used in last 7 days	Nurse
MEDBIA16	Whether medicine used in last 7 days	Nurse
MEDBIA17	Whether medicine used in last 7 days	Nurse
MEDBIA18	Whether medicine used in last 7 days	Nurse
MEDBIA19	Whether medicine used in last 7 days	Nurse
MEDBIA20	Whether medicine used in last 7 days	Nurse
MEDBIA21	Whether medicine used in last 7 days	Nurse
MEDBIA22	Whether medicine used in last 7 days	Nurse
MEDBI01	Drug code of medicines prescribed by doctor	Nurse
MEDBI02	Drug code of medicines prescribed by doctor	Nurse
MEDBI03	Drug code of medicines prescribed by doctor	Nurse
MEDBI04	Drug code of medicines prescribed by doctor	Nurse
MEDBI05	Drug code of medicines prescribed by doctor	Nurse
MEDBI06	Drug code of medicines prescribed by doctor	Nurse
MEDBI07	Drug code of medicines prescribed by doctor	Nurse
MEDBI08	Drug code of medicines prescribed by doctor	Nurse
MEDBI09	Drug code of medicines prescribed by doctor	Nurse
MEDBI10	Drug code of medicines prescribed by doctor	Nurse
MEDBI11	Drug code of medicines prescribed by doctor	Nurse
MEDBI12	Drug code of medicines prescribed by doctor	Nurse
MEDBI13	Drug code of medicines prescribed by doctor	Nurse
MEDBI14	Drug code of medicines prescribed by doctor	Nurse
MEDBI15	Drug code of medicines prescribed by doctor	Nurse
MEDBI16	Drug code of medicines prescribed by doctor	Nurse
MEDBI17	Drug code of medicines prescribed by doctor	Nurse
MEDBI18	Drug code of medicines prescribed by doctor	Nurse
MEDBI19	Drug code of medicines prescribed by doctor	Nurse
MEDBI20	Drug code of medicines prescribed by doctor	Nurse
MEDBI21	Drug code of medicines prescribed by doctor	Nurse
MEDBI22	Drug code of medicines prescribed by doctor	Nurse
MEDCNJD	Whether taking medication - excluding contraceptives only	Nurse
STATINS	Whether taking statins (drugs to lower cholesterol) bought over the counter	Nurse
STATINA	Have you taken/used statins in the last 7 days?	Nurse
MEDCNJ	(D) Whether taking medication - excluding contraceptives only	Derived
MEDTYP1	(D) Cardio-vascular medicine taken?	Derived
MEDTYP2	(D) Gastrointestinal medicine taken?	Derived
MEDTYP3	(D) Respiratory medicine taken?	Derived
MEDTYP4	(D) CNS medicine taken?	Derived
MEDTYP5	(D) Medicine for infection taken?	Derived
MEDTYP6	(D) Endocrine medicine taken?	Derived
MEDTYP7	(D) Gynae/Urinary medicine taken?	Derived
MEDTYP8	(D) Cytotoxic 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
MEDTYP13	(D) Other medicine taken?	Derived
NUMED2	(D) Number of prescribed medicines taken	Derived
NUMED	(D) Number of prescribed medicines taken (grouped 4+)	Derived

## Prescribed Medicines: Reasons for taking medication

Variable	Description	Source
YTAKE011	Heart problem	Indiv
YTAKE021	Heart problem	Indiv
YTAKE031	Heart problem	Indiv
YTAKE041	Heart problem	Indiv
YTAKE051	Heart problem	Indiv
YTAKE061	Heart problem	Indiv

YTAKE071	Heart problem	Indiv
YTAKE081	Heart problem	Indiv
YTAKE091	Heart problem	Indiv
YTAKE101	Heart problem	Indiv
YTAKE111	Heart problem	Indiv
YTAKE121	Heart problem	Indiv
YTAKE131	Heart problem	Indiv
YTAKE141	Heart problem	Indiv
YTAKE151	Heart problem	Indiv
YTAKE161	Heart problem	Indiv
YTAKE171	Heart problem	Indiv
YTAKE181	Heart problem	Indiv
YTAKE191	Heart problem	Indiv
YTAKE201	Heart problem	Indiv
YTAKE211	Heart problem	Indiv
YTAKE221	Heart problem	Indiv
YTAKE012	High blood pressure	Indiv
YTAKE022	High blood pressure	Indiv
YTAKE032	High blood pressure	Indiv
YTAKE042	High blood pressure	Indiv
YTAKE052	High blood pressure	Indiv
YTAKE062	High blood pressure	Indiv
YTAKE072	High blood pressure	Indiv
YTAKE082	High blood pressure	Indiv
YTAKE092	High blood pressure	Indiv
YTAKE102	High blood pressure	Indiv
YTAKE112	High blood pressure	Indiv
YTAKE122	High blood pressure	Indiv
YTAKE132	High blood pressure	Indiv
YTAKE142	High blood pressure	Indiv
YTAKE152	High blood pressure	Indiv
YTAKE162	High blood pressure	Indiv
YTAKE172	High blood pressure	Indiv
YTAKE182	High blood pressure	Indiv
YTAKE192	High blood pressure	Indiv
YTAKE202	High blood pressure	Indiv
YTAKE212	High blood pressure	Indiv
YTAKE222	High blood pressure	Indiv
YTAKE013	Other reason	Indiv
YTAKE023	Other reason	Indiv
YTAKE033	Other reason	Indiv
YTAKE043	Other reason	Indiv
YTAKE053	Other reason	Indiv
YTAKE063	Other reason	Indiv
YTAKE073	Other reason	Indiv
YTAKE083	Other reason	Indiv
YTAKE093	Other reason	Indiv
YTAKE103	Other reason	Indiv
YTAKE113	Other reason	Indiv
YTAKE123	Other reason	Indiv
YTAKE133	Other reason	Indiv
YTAKE143	Other reason	Indiv
YTAKE153	Other reason	Indiv
YTAKE163	Other reason	Indiv
YTAKE173	Other reason	Indiv
YTAKE183	Other reason	Indiv
YTAKE193	Other reason	Indiv
YTAKE203	Other reason	Indiv
YTAKE213	Other reason	Indiv
YTAKE223	Other reason	Indiv

## Self-Assessed Health

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

## Dental Health

Variable	Description	Source
DENHLTH	Whether has own teeth or wears dentures	Indiv
NATTEETH	Number of natural teeth	Indiv
DENHLTH2	Dental health status	Indiv
DENPROB1	Problems with mouth, teeth or dentures: Difficulty eating food	Indiv
DENPROB2	Problems with mouth, teeth or dentures: Difficulty speaking clearly	Indiv
DENPROB3	Problems with mouth, teeth or dentures: Problems with smiling/laughing	Indiv
DENPROB4	Problems with mouth, teeth or dentures: Problems enjoying company	Indiv
DENPROB5	Problems with mouth, teeth or dentures: No problems reported	Indiv
DENTATE	(D) Number of natural teeth	Derived
DPROBNUM	(D) Number of dental problems	Derived

## Personal Care Plans

Variable	Description	Source
CONVDOC	Had conversation with doctor/nurse etc about your long term condition?	Indiv
LASTYR	Was conversation with doctor/nurse in the last 12 months or longer ago?	Indiv
PLANAG	In last 12 months have you and a health professional agreed a PCP?	Indiv
OFFPLAN	Whether talked about a Personal Care Plan with a health care professional	Indiv
WHYNOPL	Reason why did not agree a Personal Care Plan after discussing it	Indiv
LIKEPLAN	Would you like to discuss a PCP with health professional?	Indiv
CAREIMPR	Has your PCP improved the health and social care services you receive?	Indiv
OPTOFF01	In last 12mths have you discussed or been offered: help to find information on condition	Indiv
OPTOFF02	In last 12mths have you discussed or been offered: help to find choices on care	Indiv
OPTOFF03	In last 12mths have you discussed or been offered: attending training courses on condition	Indiv
OPTOFF04	In last 12mths have you discussed or been offered: joining support network/group	Indiv
OPTOFF05	In last 12mths have you discussed or been offered: having equipment fitted at home	Indiv
OPTOFF95	In last 12mths have you discussed or been offered: other	Indiv
OPTOFF96	In last 12mths have you discussed or been offered: none of these	Indiv
OPTDO01	In last 12mths have you actually done: read and used information on condition	Indiv
OPTDO02	In last 12mths have you actually done: read and used information on care choices	Indiv
OPTDO03	In last 12mths have you actually done: attended training courses on condition	Indiv
OPTDO04	In last 12mths have you actually done: joined support network/group	Indiv
OPTDO05	In last 12mths have you actually done: have equipment fitted at home	Indiv
OPTDO95	In last 12mths have you actually done: other	Indiv
OPTDO96	In last 12mths have you actually done: none of these	Indiv
PCAREP	(D) Been offered a personal care plan?	Derived

# Pain

Chronic Pain		
Variable	Description	Source
ANYPAIN	Whether currently troubled by pain or discomfort	Indiv
MORE3M	Whether had this pain or discomfort for more than 3 months	Indiv
SITEPAI1	Site of pain: Back pain	Indiv
SITEPAI2	Site of pain: Neck or shoulder pain	Indiv
SITEPAI3	Site of pain: Headache, facial or dental pain	Indiv
SITEPAI4	Site of pain: Stomach ache or abdominal pain	Indiv
SITEPAI5	Site of pain: Pain in your arms, hands, hips, legs or feet	Indiv
SITEPAI6	Site of pain: Chest pain	Indiv
SITEPAI7	Site of pain: Other pain	Indiv
PAINNOW	How would you rate your pain right now, on a scale from 0 to 10 where 0 is no pain and 10 is pain as bad as it could be?	Indiv
WORSTP	In the last three months, how would you rate your worst pain, on a scale from 0 to 10 where 0 is no pain and 10 is pain as bad as it could be?	Indiv
USUALP	And in the last three months, on average, how would you rate your pain?	Indiv
IMPACTP	In the last 3 months, how many days did your pain keep you from doing your usual activities like work, school or housework?	Indiv
DAILY P	In the past three months how much has the pain interfered with daily activities? Use a scale of 0-10, where 0 is no interference and 10 is unable to carry on any activities.	Indiv
SOCIALP	In the last three months, how much has this pain changed your ability to take part in recreational, social and family activities? Use a scale of 0-10, where 0 is no change and 10 is extreme change.	Indiv
WORKP	In the last three months, how much has this pain changed your ability to work, including housework? Use the same scale, where 0 is no change and 10 is extreme change.	Indiv
SEENP1	Whether seen any professionals/advisors about support or help to manage pain: Your GP	Indiv
SEENP2	Whether seen any professionals/advisors about support or help to manage pain: Nurse at your GP practice	Indiv
SEENP3	Whether seen any professionals/advisors about support or help to manage pain: Specialist pain services	Indiv
SEENP4	Whether seen any professionals/advisors about support or help to manage pain: Clinical psychologist	Indiv
SEENP5	Whether seen any professionals/advisors about support or help to manage pain: Osteopath or chiropractor	Indiv
SEENP6	Whether seen any professionals/advisors about support or help to manage pain: Acupuncturist	Indiv
SEENP7	Whether seen any professionals/advisors about support or help to manage pain: Pharmacist	Indiv
SEENP8	Whether seen any professionals/advisors about support or help to manage pain: Other	Indiv
SEENP9	Whether seen any professionals/advisors about support or help to manage pain: None of these	Indiv
SUPGRP1	Whether attended any of these to help manage pain: Patient support group	Indiv
SUPGRP2	Whether attended any of these to help manage pain: Pain management programme	Indiv
SUPGRP3	Whether attended any of these to help manage pain: Psychological programme such as Cognitive Behavioural Therapy	Indiv
SUPGRP4	Whether attended any of these to help manage pain: None of these	Indiv
CPI	(D) Characteristic Pain Intensity	Derived
FIDS	(D) Four-Item Disability Score	Derived
IMPACTP2	(D) IMPACTP re-coded to Graded Chronic Pain Scale categories	Derived
TIDS	(D) Two-Item Disability Score	Derived
PAINGRADE1	(D) Chronic Pain Grade based on GCPS Version 2.0	Derived
PAINGRADE2	(D) Chronic Pain Grade based on 3-item GCP-PCS	Derived
CPAIN	(D) Whether has chronic pain	Derived

# Smoking

## Adults General

Variable	Description	Source
STARTSMK	Age when started smoking	Indiv
DRSMOKE	Whether a medical person has ever advised you to give up for health reasons	Indiv
DRSMOKE1	How long ago	Indiv
CIGARNOW	Currently smokes cigars	Indiv
CIGARREG	How regularly smokes cigars	Indiv
PIPENOWA	Currently smokes a pipe	Indiv
EXPSMOK	Number of hours/week exposed to others' smoke (c+sc)	Indiv/SC
CIGST1	(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current	Derived
CIGSTA3	(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg	Derived
CIGST2	(D) Cigarette Smoking Status - Banded current smokers	Derived
PASSMK1	Often near people who smoke: At home?	Indiv/SC YP
PASSMK2	Often near people who smoke: At work?	Indiv/SC YP
PASSMK3	Often near people who smoke: In other people's homes?	Indiv/SC YP
PASSMK4	Often near people who smoke: Outdoor smoking areas of pubs/restaurants/cafes?	Indiv/SC YP
PASSMK5	Often near people who smoke: In other places?	Indiv/SC YP
PASSMK6	Often near people who smoke: No, none of these	Indiv/SC YP
PASSMKB	Does this bother you at all?	Indiv/SC YP
SMKEVR	Whether ever smoked cigarette/cigar/pipe	Indiv/SC YP
CIGNOW	Whether smoke cigarettes nowadays	Indiv/SC YP
CIGEVN	Whether ever smoked cigarettes	Indiv/SC YP
CIGREG	How frequently used to smoke	Indiv/SC YP
SMKDAD	Whether father smoked when informant a child	Indiv/SC YP
SMKMUM	Whether mother smoked when informant a child	Indiv/SC YP

## Adult Current Smokers

Variable	Description	Source
SMOKWH1	In last 7 days I smoked: At my home (indoors or outside)	Indiv
SMOKWH2	In last 7 days I smoked: Outside (other than at home)	Indiv
SMOKWH3	In last 7 days I smoked: Inside other people's homes	Indiv
SMOKWH4	In last 7 days I smoked: Whilst travelling by car	Indiv
SMOKWH5	In last 7 days I smoked: Inside other places	Indiv
SMOKHM01	In last 7 days I smoked: Outside, for example in the garden or on doorstep	Indiv
SMOKHM02	In last 7 days I smoked: Own room/bedroom	Indiv
SMOKHM03	In last 7 days I smoked: Living room	Indiv
SMOKHM04	In last 7 days I smoked: Kitchen	Indiv
SMOKHM05	In last 7 days I smoked: Toilet	Indiv
SMOKHM06	In last 7 days I smoked: Bathroom	Indiv
SMOKHM07	In last 7 days I smoked: Study	Indiv
SMOKHM08	In last 7 days I smoked: Dining room	Indiv
SMOKHM09	In last 7 days I smoked: Everywhere	Indiv
SMOKHM10	In last 7 days I smoked: Somewhere else in the home	Indiv
SMOKOUT1	In last 7 days I smoked: In the street, or out and about	Indiv
SMOKOUT2	In last 7 days I smoked: Outside at work	Indiv
SMOKOUT3	In last 7 days I smoked: Outside other people's home	Indiv
SMOKOUT4	In last 7 days I smoked: Outside pubs or bars	Indiv
SMOKOUT5	In last 7 days I smoked: Outside restaurants, cafes, or canteens	Indiv
SMOKOUT6	In last 7 days I smoked: Outside shops	Indiv
SMOKOUT7	In last 7 days I smoked: Outside other places	Indiv
SMOKPPL1	In last 7 days I smoked near: Babies aged 2 and under	Indiv
SMOKPPL2	In last 7 days I smoked near: Children aged 2-10	Indiv
SMOKPPL3	In last 7 days I smoked near: Children aged 11-15	Indiv
SMOKPPL4	In last 7 days I smoked near: Older adults over the age of 65	Indiv
SMOKPPL5	In last 7 days I smoked near: Pregnant women	Indiv
SMOKPPL6	In last 7 days I smoked near: Adults aged 16-64 with asthma or breathing problems	Indiv
SMOKPPL7	In last 7 days I smoked near: None of these	Indiv
SMNODAY	How easy or difficult would youName[PNo] find it to go without smoking for a day	Indiv
GIVEUP	Whether would like to give up smoking altogether	Indiv
GVUPRS01	Reasons for wanting to give up: Because of a health problem I have at present	Indiv
GVUPRS02	Reasons for wanting to give up: Better for my health in general	Indiv

GVUPRS03	Reasons for wanting to give up: To reduce the risk of getting smoking related illnesses	Indiv
GVUPRS04	Reasons for wanting to give up: Ban on smoking in public places	Indiv
GVUPRS05	Reasons for wanting to give up: Family or friends wanted me to stop	Indiv
GVUPRS06	Reasons for wanting to give up: Financial reasons (can't afford it)	Indiv
GVUPRS07	Reasons for wanting to give up: Worried about the effect on my children	Indiv
GVUPRS08	Reasons for wanting to give up: Worried about the effect on other family members	Indiv
GVUPRS09	Reasons for wanting to give up: Other	Indiv
FIRSTCIG	How soon after waking do you smoke	Indiv
CIGDYAL	(D) Number of cigarettes smoke a day - inc. non-smokers	Derived
CIGWDAY	Number cigarettes smoke on weekday	Indiv/SC YP
CIGWEND	Number cigarettes smoke on weekend day	Indiv/SC YP
CIGTYP	Type of cigarette smoked	Indiv/SC YP
GIVUPSK	Like to give up smoking	Indiv/SC YP

## Adult Ex-Smokers

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

## Adult Pregnancy

Variable	Description	Source
ISPREG	Whether currently pregnant	Indiv
SMOKEPRG	Smoked since pregnant	Indiv
STOPPREG	Stopped smoking due to pregnancy	Indiv
PREGREC	Whether pregnant in last twelve months	Indiv
PREGSMOK	Whether smoked when pregnant	Indiv
PREGSTOP	Whether stopped smoking due to pregnancy	Indiv

## Young People

Variable	Description	Source
DCIGAGE	Age first tried a cigarette	SC YP
DYGVUP01	Reasons for wanting to quit smoking: Current health problem	SC YP
DYGVUP02	Reasons for wanting to quit smoking: Better for health in general	SC YP
DYGVUP03	Reasons for wanting to quit smoking: Less risk of smoking related illnesses	SC YP
DYGVUP04	Reasons for wanting to quit smoking: Family/friends	SC YP
DYGVUP05	Reasons for wanting to quit smoking: Financial reasons	SC YP
DYGVUP06	Reasons for wanting to quit smoking: Worried about effect on children	SC YP
DYGVUP07	Reasons for wanting to quit smoking: Ban on smoking in public places	SC YP
DYGVUP08	Reasons for wanting to quit smoking: Other	SC YP

## Children 8-15

Variable	Description	Source
PASSIVE1	Are you regularly exposed to other people's tobacco smoke at own home?	Indiv
PASSIVE2	Are you regularly exposed to other people's tobacco smoke at work?	Indiv
PASSIVE3	Are you regularly exposed to other people's tobacco smoke in other people's homes	Indiv
PASSIVE4	Are you regularly exposed to other people's tobacco smoke in outdoor smoking areas?	Indiv
PASSIVE5	Are you regularly exposed to other people's tobacco smoke in other places?	Indiv
PASSIVE6	Are you regularly exposed to other people's tobacco smoke in none of these?	Indiv
BOTHER	Does this bother you at all?	Indiv
ANRSM201	Often near people who smoke: At home	SC 8-15
ANRSM202	Often near people who smoke: In other people's homes	SC 8-15
ANRSM203	Often near people who smoke: In a car	SC 8-15
ANRSM204	Often near people who smoke: In the street	SC 8-15
ANRSM205	Often near people who smoke: Outdoor areas of pubs/cafes/restaurants	SC 8-15
ANRSM206	Often near people who smoke: Park/playing facilities	SC 8-15
ANRSM207	Often near people who smoke: Public places unspecified	SC 8-15
ANRSM208	Often near people who smoke: School	SC 8-15
ANRSM209	Often near people who smoke: In other places	SC 8-15
ANRSM297	Often near people who smoke: No, none of these	SC 8-15
ASMKBTHR	Being around smoke bother you	SC 8-15
KCIGREGG	(D) Frequency of cigarette smoking (8-15s) (grouped)	Derived
KCIGEVN	Whether ever smoked cigarettes (8-15s)	SC 8-15
KCIGAGE	Age first smoked a cigarette (8-15s)	SC 8-15
KCIGREG	Frequency and amount smoked (8-15s)	SC 8-15
KCIGWEEK	Whether smoked in previous week (8-15s)	SC 8-15
KCIGNUM	Number of cigarettes smoked last week (8-15s)	SC 8-15
CHEXPSM	Whether child carer smokes (0-12s)	Indiv

## Nicotine

Variable	Description	Source
SMOKE1	Currently smokes cigarettes	Nurse
SMOKE2	Currently smokes cigars	Nurse
SMOKE3	Currently smokes a pipe	Nurse
SMOKE4	Does not currently smoke	Nurse
LASTSMOK	How long is it since you last smoked a smotxt?	Nurse
USENIC	Used nicotine products?	Nurse
USEGUM	Used any nicotine chewing gum?	Nurse
GUMMG	What strength is nicotine chewing gum?	Nurse
USEPAT	Used any nicotine patches?	Nurse
NICPATS	Which brand and strength of nicotine patches	Nurse
USENAS	Used a nicotine nasal spray?	Nurse

## Cotinine

Variable	Description	Source
SALINTR1	Consent to take saliva sample	Nurse
SALOB1	Whether saliva sample obtained	Nurse
SALHOW	Method used to obtain the saliva sample.	Nurse
SALNOBT3	Sample not obtained: Not able to produce any saliva	Nurse
SALNOBT4	Sample not obtained: Other	Nurse
COTININE	Cotinine result	Lab
COTQUAL	Cotinine quality	Nurse
COTVAL	(D) Valid Cotinine (saliva)	Derived
SALOUTC	Saliva sample outcome	Nurse
COT15VAL	(D) Valid Cotinine (saliva): 0<15,15+	Derived
NICUSEB	(D) Used nicotine products in last 7 days e.g. gum, patch, nasal spray	Derived

# Social Care

Help with tasks		
Variable	Description	Source
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
TASKHLPA	Received help in last month: Getting in and out of bed	Indiv
TASKHLPB	Received help in last month: Washing face and hands	Indiv
TASKHLPC	Received help in last month: Having a bath or a shower	Indiv
TASKHLPD	Received help in last month: Dressing or undressing, including putting on shoes and socks	Indiv
TASKHLPE	Received help in last month: Using the toilet	Indiv
TASKHLPF	Received help in last month: Eating, including cutting up food	Indiv
TASKHLPG	Received help in last month: Taking the right amount of medicine at the right times	Indiv
TASKHLPH	Received help in last month: Getting around indoors	Indiv
TASKHLPI	Received help in last month: Getting up and down stairs	Indiv
TASKHLPJ	Received help in last month: Getting out of the house	Indiv
TASKHLPK	Received help in last month: Shopping for food	Indiv
TASKHLPL	Received help in last month: Doing routine housework or laundry	Indiv
TASKHLPM	Received help in last month: Doing paperwork or paying bills	Indiv
HLPNUM	Derived number of activities Respondent has received help with in the last month	Indiv
HLPNUMB	Derived number of activities respondent has received help with in the last month, excluding shopping for food / housework / paperwork	Indiv
CHECKA	Whether received help because of health, disability or age problems	Indiv
RECHELI	(D) Received help: Stairs	Derived
RECHELH	(D) Received help: Indoors	Derived
RECHELA	(D) Received help: Bed	Derived
RECHELC	(D) Received help: Shower	Derived
RECHELD	(D) Received help: Dress	Derived
RECHELB	(D) Received help: Wash	Derived
RECHELE	(D) Received help: Toilet	Derived
RECHELG	(D) Received help: Medicine	Derived
RECHELF	(D) Received help: Eat	Derived
RECHELJ	(D) Received help: House	Derived
RECHELK	(D) Received help: Shop	Derived
RECHELL	(D) Received help: Housework	Derived
RECHELM	(D) Received help: Paperwork	Derived
RECHELIBI	(D) Received help: Stairs (binary)	Derived
RECHELHBI	(D) Received help: Indoors (binary)	Derived
RECHELABI	(D) Received help: Bed (binary)	Derived
RECHELCBI	(D) Received help: Shower (binary)	Derived
RECHELDBI	(D) Received help: Dress (binary)	Derived
RECHELBBI	(D) Received help: Wash (binary)	Derived
RECHELEBI	(D) Received help: Toilet (binary)	Derived
RECHELGBI	(D) Received help: Medicine (binary)	Derived
RECHELFBBI	(D) Received help: Eat (binary)	Derived
RECHELJBI	(D) Received help: House (binary)	Derived
RECHELKBI	(D) Received help: Shop (binary)	Derived
RECHELLBI	(D) Received help: Housework (binary)	Derived
RECHELMBI	(D) Received help: Paperwork (binary)	Derived
NDHLPI	(D) Need help: Stairs	Derived
NDHLPH	(D) Need help: Indoors	Derived
NDHLPA	(D) Need help: Bed	Derived
NDHLPC	(D) Need help: Shower	Derived

NDHLPD	(D) Need help: Dress	Derived
NDHLPB	(D) Need help: Wash	Derived
NDHLPE	(D) Need help: Toilet	Derived
NDHLPG	(D) Need help: Medicine	Derived
NDHLPF	(D) Need help: Eat	Derived
NDHLPJ	(D) Need help: House	Derived
NDHLPK	(D) Need help: Shop	Derived
NDHLPL	(D) Need help: Housework	Derived
NDHLPM	(D) Need help: Paperwork	Derived
ANYADL	(D) Any personal activities	Derived
ANYEXSH	(D) Any personal activities, excluding bath or shower	Derived
ANYIADL	(D) Any instrumental activities	Derived
HELPAADL	(D) Any personal activities (age 65+ only)	Derived
HELPEXSH	(D) Any personal activities, excluding bath or shower (age 65+ only)	Derived
HELPIADL	(D) Any instrumental activities (age 65+ only)	Derived
UNMETI	(D) Unmet need: Stairs	Derived
UNMETH	(D) Unmet need: Indoors	Derived
UNMETA	(D) Unmet need: Bed	Derived
UNMETC	(D) Unmet need: Shower	Derived
UNMETD	(D) Unmet need: Dress	Derived
UNMETB	(D) Unmet need: Wash	Derived
UNMETE	(D) Unmet need: Toilet	Derived
UNMETG	(D) Unmet need: Medicine	Derived
UNMETF	(D) Unmet need: Eat	Derived
UNMETJ	(D) Unmet need: House	Derived
UNMETK	(D) Unmet need: Shop	Derived
UNMETL	(D) Unmet need: Housework	Derived
UNMETM	(D) Unmet need: Paperwork	Derived
UNADL	(D) Unmet need: Any personal activities	Derived
UNIADL	(D) Unmet need: Any instrumental activities	Derived
BARTHEL	(D) Unmet needPerson's dep - Barthel Index of ADL	Derived
BARTGP	(D) Unmet needPerson's dep - Barthel Index ADL, rec	Derived
BARTGP2	(D) Unmet needPerson's dep - Barthel Index ADL, rec 2	Derived
BARTHEL5	(D) Unmet needPerson's dep - Barthel 5 Item Index ADL	Derived
BART5GP	(D) Unmet needPerson's dep - Bart 5 Item Ix ADL, rec	Derived
BART5GP2	(D) Unmet needPerson's dep - Bart 5 Item Ix ADL, rec 2	Derived
RECHHELP	(D) Received help with ADLs/IADLs in the last month	Derived

## Formal help

Variable	Description	Source
HELPN21	Formal help provided: Home care helper/ home help	Indiv
HELPN22	Formal help provided: A member of the reablement team helped	Indiv
HELPN23	Formal help provided: Occupational Therapist	Indiv
HELPN24	Formal help provided: Voluntary helper	Indiv
HELPN25	Formal help provided: Warden / Sheltered housing	Indiv
HELPN26	Formal help provided: Cleaner	Indiv
HELPN27	Formal help provided: Council's handyman	Indiv
HELPN28	Formal help provided: Other - please specify	Indiv
HELPPFORM	Formal help for bath: Home care worker/ home help	Indiv
HELPPFOR2	Formal help for bath: A member of the reablement team	Indiv
HELPPFOR3	Formal help for bath: Occupational Therapist	Indiv
HELPPFOR4	Formal help for bath: Voluntary helper	Indiv
HELPPFOR5	Formal help for bath: Warden / Sheltered housing	Indiv
HELPPFOR6	Formal help for bath: Cleaner	Indiv
HELPPFOR7	Formal help for bath: Council's handyman	Indiv
HELPPFOR8	Formal help for bath: Other	Indiv
HELPPFOR9	Formal help for bath: None of the above	Indiv
HELPPFO11	Formal help ADLs apart from bath: Home care worker/ home help	Indiv
HELPPFO12	Formal help ADLs apart from bath: A member of the reablement team	Indiv
HELPPFO13	Formal help ADLs apart from bath: Occupational Therapist	Indiv
HELPPFO14	Formal help ADLs apart from bath: Voluntary helper	Indiv
HELPPFO15	Formal help ADLs apart from bath: Warden / Sheltered housing	Indiv
HELPPFO16	Formal help ADLs apart from bath: Cleaner	Indiv
HELPPFO17	Formal help ADLs apart from bath: Council's handyman	Indiv
HELPPFO18	Formal help ADLs apart from bath: Other - please specify	Indiv
HELPPFO19	Formal help ADLs apart from bath: None of the above	Indiv
HELPPFO21	Formal help for IADLs: Home care worker/ home help	Indiv
HELPPFO22	Formal help for IADLs: A member of the reablement team	Indiv



HELPINOTI	(D) Other family member, IADL (grouped)	Derived
HELPIFNFI	(D) Friend or neighbour, IADL	Derived
HELPIINSP	(D) Spouse, ADL	Derived
HELPIINSO	(D) Son, ADL	Derived
HELPIINDA	(D) Daughter, ADL	Derived
HELPIINNO	(D) No informal helper, ADL	Derived
ANYINFNI	(D) Any informal helper - IADL	Derived
ANYINF	(D) Any informal helper - ADL	Derived
ADLHLP	(D) Who provided ADL help	Derived
IADLHLP	(D) Who provided IADL help	Derived

## Family helper information

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

HELPPFA20	Other family member: whether lives in household	Indiv
NUMFAM20	Other family member: person number	Indiv
SEXFAM20	Other family member: sex	Indiv
HELPPFA21	Friend: whether lives in household	Indiv
NUMFAM21	Friend: person number	Indiv
SEXFAM21	Friend: sex	Indiv
HELPPFA22	2nd Friend: whether lives in household	Indiv
NUMFAM22	2nd Friend: person number	Indiv
SEXFAM22	2nd Friend: sex	Indiv
HELPPFA23	3rd Friend: whether lives in household	Indiv
NUMFAM23	3rd Friend: person number	Indiv
SEXFAM23	3rd Friend: sex	Indiv
HELPPFA24	Neighbour: whether lives in household	Indiv
NUMFAM24	Neighbour: person number	Indiv
SEXFAM24	Neighbour: sex	Indiv
HELPPFA25	2nd Neighbour: whether lives in household	Indiv
NUMFAM25	2nd Neighbour: person number	Indiv
SEXFAM25	2nd Neighbour: sex	Indiv
HELPPFA26	3rd Neighbour: whether lives in household	Indiv
NUMFAM26	3rd Neighbour: person number	Indiv
SEXFAM26	3rd Neighbour: sex	Indiv

## Amount of time helped

Variable	Description	Source
HELPHO01	Hours of help received in last week: husband/wife/partner	Indiv
HELPHO02	Hours of help received in last week: son	Indiv
HELPHO03	Hours of help received in last week: 2nd son	Indiv
HELPHO04	Hours of help received in last week: 3rd son	Indiv
HELPHO05	Hours of help received in last week: daughter	Indiv
HELPHO06	Hours of help received in last week: 2nd daughter	Indiv
HELPHO07	Hours of help received in last week: 3rd daughter	Indiv
HELPHO08	Hours of help received in last week: grandchild	Indiv
HELPHO09	Hours of help received in last week: 2nd grandchild	Indiv
HELPHO10	Hours of help received in last week: 3rd grandchild	Indiv
HELPHO11	Hours of help received in last week: brother/sister	Indiv
HELPHO12	Hours of help received in last week: 2nd brother/sister	Indiv
HELPHO13	Hours of help received in last week: 3rd brother/sister	Indiv
HELPHO15	Hours of help received in last week: niece/nephew	Indiv
HELPHO16	Hours of help received in last week: 2nd niece/nephew	Indiv
HELPHO17	Hours of help received in last week: 3rd niece/nephew	Indiv
HELPHO18	Hours of help received in last week: parent	Indiv
HELPHO19	Hours of help received in last week: other parent	Indiv
HELPHO20	Hours of help received in last week: other family member	Indiv
HELPHO21	Hours of help received in last week: friend	Indiv
HELPHO22	Hours of help received in last week: 2nd friend	Indiv
HELPHO23	Hours of help received in last week: 3rd friend	Indiv
HELPHO24	Hours of help received in last week: neighbour	Indiv
HELPHO25	Hours of help received in last week: 2nd neighbour	Indiv
HELPHO26	Hours of help received in last week: 3rd neighbour	Indiv
HELPHO27	Hours of help received in last week: home care worker	Indiv
HELPHO28	Hours of help received in last week: 2nd homecare worker	Indiv
HELPHO29	Hours of help received in last week: 3rd homecare worker	Indiv
HELPHO30	Hours of help received in last week: reablement team	Indiv
HELPHO31	Hours of help received in last week: occupational therapist/physiotherapist	Indiv
HELPHO32	Hours of help received in last week: voluntary helper	Indiv
HELPHO33	Hours of help received in last week: warden / sheltered housing manager	Indiv
HELPHO34	Hours of help received in last week: cleaner	Indiv
HELPHO35	Hours of help received in last week: council handyman	Indiv
HELPHO36	Hours of help received in last week: other	Indiv
HELPHO37	Hours of help received in last week (3 groups): husband/wife/partner	Indiv
HELPHO38	Hours of help received in last week (3 groups): son	Indiv
HELPHO39	Hours of help received in last week (3 groups): 2nd son	Indiv
HELPHO40	Hours of help received in last week (3 groups): 3rd son	Indiv
HELPHO41	Hours of help received in last week (3 groups): daughter	Indiv
HELPHO42	Hours of help received in last week (3 groups): 2nd daughter	Indiv
HELPHO43	Hours of help received in last week (3 groups): 3rd daughter	Indiv
HELPHO44	Hours of help received in last week (3 groups): grandchild	Indiv

HELPHO45	Hours of help received in last week (3 groups): 2nd grandchild	Indiv
HELPHO46	Hours of help received in last week (3 groups): 3rd grandchild	Indiv
HELPHO47	Hours of help received in last week (3 groups): brother/sister	Indiv
HELPHO48	Hours of help received in last week (3 groups): 2nd brother/sister	Indiv
HELPHO49	Hours of help received in last week (3 groups): 3rd brother/sister	Indiv
HELPHO51	Hours of help received in last week (3 groups): niece/nephew	Indiv
HELPHO52	Hours of help received in last week (3 groups): 2nd niece/nephew	Indiv
HELPHO53	Hours of help received in last week (3 groups): 3rd niece/nephew	Indiv
HELPHO54	Hours of help received in last week (3 groups): parent	Indiv
HELPHO55	Hours of help received in last week (3 groups): other parent	Indiv
HELPHO56	Hours of help received in last week (3 groups): other family member	Indiv
HELPHO57	Hours of help received in last week (3 groups): friend	Indiv
HELPHO58	Hours of help received in last week (3 groups): 2nd friend	Indiv
HELPHO59	Hours of help received in last week (3 groups): 3rd friend	Indiv
HELPHO60	Hours of help received in last week (3 groups): neighbour	Indiv
HELPHO61	Hours of help received in last week (3 groups): 2nd neighbour	Indiv
HELPHO62	Hours of help received in last week (3 groups): 3rd neighbour	Indiv
HELPHO63	Hours of help received in last week (3 groups): home care worker	Indiv
HELPHO64	Hours of help received in last week (3 groups): 2nd homecare worker	Indiv
HELPHO65	Hours of help received in last week (3 groups): 3rd homecare worker	Indiv
HELPHO66	Hours of help received in last week (3 groups): reablement team	Indiv
HELPHO67	Hours of help received in last week (3 groups): occupational therapist/physiotherapist	Indiv
HELPHO68	Hours of help received in last week (3 groups): voluntary helper	Indiv
HELPHO69	Hours of help received in last week (3 groups): warden / sheltered housing manager	Indiv
HELPHO70	Hours of help received in last week (3 groups): cleaner	Indiv
HELPHO71	Hours of help received in last week (3 groups): council handyman	Indiv
HELPHO72	Hours of help received in last week (3 groups): other	Indiv
SPHR6	(D) Spouse hours of help (grouped)	Derived
SPHR10	(D) Spouse 10+ hours of help	Derived
SPHR20	(D) Spouse 20+ hours of help	Derived
SOHR6	(D) Son hours of help (grouped)	Derived
SOHR10	(D) Son 10+ hours of help	Derived
SOHR20	(D) Son 20+ hours of help	Derived
DAHR6	(D) Daughter hours of help (grouped)	Derived
DAHR10	(D) Daughter 10+ hours of help	Derived
DAHR20	(D) Daughter 20+ hours of help	Derived
OTHR6	(D) Other family member hours of help (grouped)	Derived
OTHR10	(D) Other family member 10+ hours of help	Derived
OTHR20	(D) Other family member 20+ hours of help	Derived
FNHR6	(D) Friend or neighbour hours of help (grouped)	Derived
FNHR10	(D) Friend or neighbour 10+ hours of help	Derived
FNHR20	(D) Friend or neighbour 20+ hours of help	Derived
HCHR6	(D) Home care worker hours of help (grouped)	Derived
HCHR10	(D) Home care worker 10+ hours of help	Derived
HCHR20	(D) Home care worker 20+ hours of help	Derived

## Payment for care

Variable	Description	Source
HAVEDP1	Receives direct payments for care	Indiv
HAVEDP2	Council manages money for care	Indiv
HAVEDP3	Neither direct payments nor council manages money for care	Indiv
PERSB	Whether has Personal Budget	Indiv
INCASS	Whether had local authority/council income assessment or been means tested	Indiv
ANYPAY	Whether respondent or partner pays for formal help provided through LA	Indiv
ALLCOST	Whether payment covers all or some of costs for formal help provided through LA	Indiv
HOWPAY1	How formal help costs (through LA) usually paid for: Personal income, savings, pension or benefit (such as Attendance Allowance)	Indiv
HOWPAY2	How formal help costs (through LA) usually paid for: Direct Payment/ Personal or Individual Budget from the Local Authority/ council	Indiv
HOWPAY3	How formal help costs (through LA) usually paid for: Another source	Indiv
ADDPAY1	Other contributions to cost of formal care (provided through LA): local authority/council/social services	Indiv
ADDPAY2	Other contributions to cost of formal care (provided through LA): family members own money	Indiv
ADDPAY3	Other contributions to cost of formal care (provided through LA): other	Indiv
ADDPAY4	Other contributions to cost of formal care (provided through LA): no one else	Indiv

LAPAY1	Formal help paid directly by local authority/social services or council	Indiv
LAPAY2	Formal help provided through LA paid by Direct Payment or Personal Budget	Indiv
ANYPAY2	Whether respondent or partner pays for formal help not provided through LA or informal care (20+ hours in last week)	Indiv
ALLCOST2	Whether payment covers all or some of costs for formal help not provided through LA or informal care (20+ hours in last week)	Indiv
HOWPAY4	How formal help costs (not through LA) or informal care (20+ hours) usually paid for: Personal income, savings, pension or benefit (such as Attendance Allowance)	Indiv
HOWPAY5	How formal help costs (not through LA) or informal care (20+ hours) usually paid for: Direct Payment/ Personal or Individual Budget from the Local Authority/ council	Indiv
HOWPAY6	How formal help costs (not through LA) or informal care (20+ hours) usually paid for: Another source	Indiv
ADDPAY5	Other contributions to cost of formal care (not through LA) or informal care (20+ hours): local authority/council/social services	Indiv
ADDPAY6	Other contributions to cost of formal care (not through LA) or informal care (20+ hours): family members own money	Indiv
ADDPAY7	Other contributions to cost of formal care (not through LA) or informal care (20+ hours): other	Indiv
ADDPAY8	Other contributions to cost of formal care (not through LA) or informal care (20+ hours): no one else	Indiv
LAPAY3	Formal care (not through LA) or informal help (20+ hours in last week) paid directly by local authority/social services or council	Indiv
LAPAY4	Formal care (not through LA) or informal help (20+ hours in last week) paid by Direct Payment or Personal Budget	Indiv
ANYPAY3	Whether respondent or partner pays for help from additional provider	Indiv
ALLCOST3	Whether payment covers all or some of costs for help from additional provider	Indiv
HOWPAY7	How additional provider help costs usually paid for: Personal income, savings, pension or benefit (such as Attendance Allowance)	Indiv
HOWPAY8	How additional provider help costs usually paid for: Direct Payment/ Personal or Individual Budget from the Local Authority/ council	Indiv
HOWPAY9	How additional provider help costs usually paid for: Another source	Indiv
ADDPAY9	Other contributions to cost of additional provider care: Local authority/council/social services	Indiv
ADDPAY10	Other contributions to cost of additional provider care: Family members own money	Indiv
ADDPAY11	Other contributions to cost of additional provider care: Other	Indiv
ADDPAY12	Other contributions to cost additional provider care: No one else	Indiv
LAPAY5	Additional provider care paid directly by local authority/social services or council	Indiv
LAPAY6	Additional provider care paid by Direct Payment or Personal Budget	Indiv
LACARE	(D) Neither DP nor PB but LA care or no LA care	Derived
WHOPAY	(D) Which provider to take value from	Derived
INFPAY	(D) Contributing to costs for informal provider	Derived
INFCOST	(D) All or some contribution	Derived
CONPAY	(D) Contribute to costs - informal provider	Derived
WHOPAYF	(D) Which provider to take value from	Derived
FORPAY	(D) Contributing to costs for formal provider	Derived
FORCOST	(D) All or some contribution	Derived
CONPAYF	(D) Contribute to costs - formal provider	Derived

## How help was arranged

Variable	Description	Source
LAHELP01	How help from homecare worker was arranged	Indiv
LAHELP02	How help from 2nd homecare worker was arranged	Indiv
LAHELP03	How help from 3rd homecare worker was arranged	Indiv
LAHELP04	How help from reablement team was arranged	Indiv
LAHELP05	How help from occupational therapist/physiotherapist was arranged	Indiv
LAHELP06	How help from voluntary worker was arranged	Indiv
LAHELP07	How help from warden/sheltered housing manager was arranged	Indiv
LAHELP08	How help from cleaner was arranged	Indiv
LAHELP09	How help from council handyman was arranged	Indiv
LAHELP10	How help from other source was arranged	Indiv
LAHELP11	How help from none was arranged	Indiv

## Use of services

Variable	Description	Source
WHOANS	Whether respondent answered on own	Indiv

MEALPROV	Whether regularly had main meals provided in last month	Indiv
MEALS1	Who provided meals: Meals on Wheels	Indiv
MEALS2	Who provided meals: Private frozen meal provider	Indiv
MEALS3	Who provided meals: Family/friend/neighbour	Indiv
MEALS4	Who provided meals: Other	Indiv
MEALS5	Who provided meals: None of these	Indiv
LNCHCLUB	Whether attended lunch club run by council or voluntary body in last month	Indiv
DAYCEN	Whether attended Day Centre in last month	Indiv

## Identifying care providers

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

## Carers information

Variable	Description	Source
PRREL	Carers relationship to person they help	Indiv
PRRHOLD	Whether carer lives in same or different household	Indiv
NUMHLP	Person number they help	Indiv
AGEHLP	Age of person they help	Indiv
GENDHLP	Sex of person they help	Indiv
PRREL2	Carers relationship to 2nd person they help	Indiv
PRRHOLD2	Whether carer lives in same or different household to 2nd person they help	Indiv
NUMHLP2	Person number of 2nd person they help	Indiv
AGEHLP2	Age of person 2nd person they help	Indiv
GENDHLP2	Sex of person 2nd person they help	Indiv
PRREL3	Carers relationship to 3rd person they help	Indiv
PRRHOLD3	Whether carer lives in same or different household to 3rd person they help	Indiv
NUMHLP3	Person number of 3rd person they help	Indiv
AGEHLP3	Age of 3rd person they help	Indiv
GENDHLP3	Sex of person 3rd person they help	Indiv
SPOUSE	(D) Relationship: spouse	Derived
PARENT	(D) Relationship: parent	Derived
SON	(D) Relationship: son	Derived
DAUGHTER	(D) Relationship: daughter	Derived
GPARENT	(D) Relationship: grandparent	Derived
BROSIS	(D) Relationship: brother or sister	Derived
OFAM	(D) Relationship: grandchild/niece or nephew/other family member	Derived
FRIEND	(D) Relationship: friend	Derived
NEIGH	(D) Relationship: neighbour	Derived
VOLHLP	(D) Relationship: voluntary helper	Derived
SAMEHH	(D) Household: same	Derived
DIFFHH	(D) Household: different	Derived
BOTH	(D) Household: both	Derived
HHOLD2	(D) Household: same, different or both	Derived

## Carers time

Variable	Description	Source
PRHOURS	Hours helped 1st person in the last week	Indiv
PRHOURSB	Hours helped 1st person in the last week (3 groups)	Indiv
PRUSHRS	Hours helped 1st person in a usual week	Indiv
PRHOURS2	Hours helped 2nd person in the last week	Indiv
PRHOURS3	Hours helped 2nd person in the last week (3 groups)	Indiv
PRUSHRS2	Hours helped 2nd person in a usual week	Indiv
PRHOURS4	Hours helped 3rd person in the last week	Indiv
PRHOURS5	Hours helped 3rd person in the last week (3 groups)	Indiv

PRUSHRS3	Hours helped 3rd person in a usual week	Indiv
PROLDHR	Total hours providing help in last week	Indiv
GRPHRS6	(D) Grouped 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
GRPHRS10	(D) 10+ hours provided (for care recipient for whom most hours provided)	Derived

## Carers tasks

Variable	Description	Source
PRTASK1	Task helped care recipient 1 with: Bed	Indiv
PRTASK2	Task helped care recipient 1 with: Washing	Indiv
PRTASK3	Task helped care recipient 1 with: Bath/shower	Indiv
PRTASK4	Task helped care recipient 1 with: Dressing	Indiv
PRTASK5	Task helped care recipient 1 with: Toilet	Indiv
PRTASK6	Task helped care recipient 1 with: Eating	Indiv
PRTASK7	Task helped care recipient 1 with: Medicine	Indiv
PRTASK8	Task helped care recipient 1 with: Indoors	Indiv
PRTASK9	Task helped care recipient 1 with: Stairs	Indiv
PRTASK10	Task helped care recipient 1 with: Getting out of the house	Indiv
PRTASK11	Task helped care recipient 1 with: Shopping	Indiv
PRTASK12	Task helped care recipient 1 with: Housework	Indiv
PRTASK13	Task helped care recipient 1 with: Paperwork	Indiv
PRTASK14	Task helped care recipient 2 with: Bed	Indiv
PRTASK15	Task helped care recipient 2 with: Washing	Indiv
PRTASK16	Task helped care recipient 2 with: Bath/shower	Indiv
PRTASK17	Task helped care recipient 2 with: Dressing	Indiv
PRTASK18	Task helped care recipient 2 with: Toilet	Indiv
PRTASK19	Task helped care recipient 2 with: Eating	Indiv
PRTASK20	Task helped care recipient 2 with: Medicine	Indiv
PRTASK21	Task helped care recipient 2 with: Indoors	Indiv
PRTASK22	Task helped care recipient 2 with: Stairs	Indiv
PRTASK23	Task helped care recipient 2 with: Getting out of the house	Indiv
PRTASK24	Task helped care recipient 2 with: Shopping	Indiv
PRTASK25	Task helped care recipient 2 with: Housework	Indiv
PRTASK26	Task helped care recipient 2 with: Paperwork	Indiv
PRTASK27	Task helped care recipient 3 with: Bed	Indiv
PRTASK28	Task helped care recipient 3 with: Washing	Indiv
PRTASK29	Task helped care recipient 3 with: Bath/shower	Indiv
PRTASK30	Task helped care recipient 3 with: Dressing	Indiv
PRTASK31	Task helped care recipient 3 with: Toilet	Indiv
PRTASK32	Task helped care recipient 3 with: Eating	Indiv
PRTASK33	Task helped care recipient 3 with: Medicine	Indiv
PRTASK34	Task helped care recipient 3 with: Indoors	Indiv
PRTASK35	Task helped care recipient 3 with: Stairs	Indiv
PRTASK36	Task helped care recipient 3 with: Getting out of the house	Indiv
PRTASK37	Task helped care recipient 3 with: Shopping	Indiv
PRTASK38	Task helped care recipient 3 with: Housework	Indiv
PRTASK39	Task helped care recipient 3 with: Paperwork	Indiv
BED	(D) Hours: bed	Derived
WASH	(D) Hours: wash	Derived
BATH	(D) Hours: bath	Derived
DRESS	(D) Hours: dress	Derived
TOILET	(D) Hours: toilet	Derived
EAT	(D) Hours: eat	Derived
MEDICINE	(D) Hours: medicine	Derived
INDOORS	(D) Hours: indoors	Derived
STAIRS	(D) Hours: stairs	Derived
OUTHOU	(D) Hours: out of the house	Derived
SHOP	(D) Hours: shop	Derived
HWORK	(D) Hours: housework	Derived
PWORK	(D) Hours: paperwork	Derived

## Carers support

Variable	Description	Source
SUPPORT1	Carer received help from GP or nurse (p1)	Indiv
SUPPORT2	Carer received help from access to respite care (p1)	Indiv

SUPPORT3	Carer received help from professional care staff (p1)	Indiv
SUPPORT4	Carer received help from carers' organisation or charity (p1)	Indiv
SUPPORT5	Carer received help from other family members (p1)	Indiv
SUPPORT6	Carer received help from LA/social services (p1)	Indiv
SUPPORT7	Carer received help from friends/neighbours (p1)	Indiv
SUPPORT8	Carer received no help from these types of support (p1)	Indiv
SUPPORT9	Carer received help from GP or nurse (p2)	Indiv
SUPPORT10	Carer received help from access to respite care (p2)	Indiv
SUPPORT11	Carer received help from professional care staff (p2)	Indiv
SUPPORT12	Carer received help from carers' organisation or charity (p2)	Indiv
SUPPORT13	Carer received help from other family members (p2)	Indiv
SUPPORT14	Carer received help from LA/social services (p2)	Indiv
SUPPORT15	Carer received help from friends/neighbours (p2)	Indiv
SUPPORT16	Carer received no help from these types of support (p2)	Indiv
SUPPORT17	Carer received help from GP or nurse (p2)	Indiv
SUPPORT18	Carer received help from access to respite care (p3)	Indiv
SUPPORT19	Carer received help from professional care staff (p3)	Indiv
SUPPORT20	Carer received help from carers' organisation or charity (p3)	Indiv
SUPPORT21	Carer received help from other family members (p3)	Indiv
SUPPORT22	Carer received help from LA/social services (p3)	Indiv
SUPPORT23	Carer received help from friends/neighbours (p3)	Indiv
SUPPORT24	Carer received no help from these types of support (p3)	Indiv

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

**Health Survey for England**

**Health and  
lifestyles**

**2011**

**Derived Variable Specification**

A survey carried out on behalf of The NHS Information Centre

*Joint Health Surveys Unit*

NatCen Social Research

Department of Epidemiology and Public Health, University College London

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DDAY3: (D) Day 3 units	62
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PORSAL (D) Portion of salad	66
PORVEG (D) Portion of vegetables	66
PORVDISH (D) Portion of vegetables in composites	66
PORJUICE (D) Portion of fruit juice	66
PORFRT (D) Portion of all sized fruit	66
PORDRY (D) Portion of dried fruit	66
PORFROZ (D) Portion of frozen fruit/canned fruit	66
PORFDISH (D) Portion of fruit in composites	66
VEGPOR (D) Total portion of vegetables (inc.salad)	66
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VASGP: (D) Visual Analogue Scale score (grouped)	68
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MEDTYP6: (D) Endocrine medicine taken ?	78
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---

## **PAIN** **81**

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### **CHRONIC PAIN** **81**

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## **SMOKING** **83**

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--	----

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--	----

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## **SOCIAL CARE** **85**

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RECHELB: (D) Received help: Wash	85
RECHELC: (D) Received help: Shower	85
RECHELD: (D) Received help: Dress	85
RECHELE: (D) Received help: Toilet	85
RECHELF: (D) Received help: Eat	85
RECHELG: (D) Received help: Medicine	85
RECHELH: (D) Received help: Indoors	85
RECHELI: (D) Received help: Stairs	85
RECHELJ: (D) Received help: House	85
RECHELK: (D) Received help: Shop	85
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RECHELEBI: (D) Received help: Toilet (binary)	87
RECHELFBBI: (D) Received help: Eat (binary)	87
RECHELGBI: (D) Received help: Medicine (binary)	87
RECHELHBI: (D) Received help: Indoors (binary)	87
RECHELIBI: (D) Received help: Stairs (binary)	87
RECHELJBI: (D) Received help: House (binary)	87
RECHELKBI: (D) Received help: Shop (binary)	87
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NDHLPB: (D) Need help: Wash	88
NDHLPC: (D) Need help: Shower	88
NDHLPD: (D) Need help: Dress	88
NDHLPE: (D) Need help: Toilet	88
NDHLPF: (D) Need help: Eat	88
NDHLPG: (D) Need help: Medicine	88
NDHLPH: (D) Need help: Indoors	88
NDHLPI: (D) Need help: Stairs	88
NDHLPJ: (D) Need help: House	88
NDHLPK: (D) Need help: Shop	88
NDHLPL: (D) Need help: Housework	88

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ANYADL: (D) Any personal activities	89
ANYEXSH: (D) Any personal activities, excluding bath or shower	89
ANYIADL: (D) Any instrumental activities	89
HELPA: (D) Any personal activities (age 65+ only)	89
HELPEXSH: (D) Any personal activities, excluding bath or shower (age 65+ only)	89
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UNMETB: (D) Unmet need: Wash	90
UNMETC: (D) Unmet need: Shower	90
UNMETD: (D) Unmet need: Dress	90
UNMETE: (D) Unmet need: Toilet	90
UNMETF: (D) Unmet need: Eat	90
UNMETG: (D) Unmet need: Medicine	90
UNMETH: (D) Unmet need: Indoors	90
UNMETI: (D) Unmet need: Stairs	90
UNMETJ: (D) Unmet need: House	90
UNMETK: (D) Unmet need: Shop	90
UNMETL: (D) Unmet need: Housework	90
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HELPIFOSP: (D) Spouse, ADL	94
HELPIFOSO: (D) Son, ADL	94
HELPIFODA: (D) Daughter, ADL	94
HELPIFONNO: (D) No informal helper, ADL	94
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ANYINFNI: (D) Any informal helper - IADL	95
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SPHR20: (D) Spouse 20+ hours of help	96
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SOHR10: (D) Son 10+ hours of help	96
SOHR20: (D) Son 20+ hours of help	97
DAHR6: (D) Daughter hours of help (grouped)	97
DAHR10: (D) Daughter 10+ hours of help	97
DAHR20: (D) Daughter 20+ hours of help	97
OTHR6: (D) Other family member hours of help (grouped)	98
OTHR10: (D) Other family member 10+ hours of help	98
OTHR20: (D) Other family member 20+ hours of help	98
FNHR6: (D) Friend or neighbour hours of help (grouped)	98
FNHR10: (D) Friend or neighbour 10+ hours of help	99
FNHR20: (D) Friend or neighbour 20+ hours of help	99
HCHR6: (D) Home care worker hours of help (grouped)	99
HCHR10: (D) Home care worker 10+ hours of help	99
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LACARE: (D) Neither DP nor PB but LA care or no LA care	100
WHOPAY: (D) Which provider to take value from	100
INFPAY: (D) Contributing to costs for informal provider	100
INFCOST: (D) All or some contribution	100

CONPAY: (D) Contribute to costs – informal provider	101
WHOPAYF: (D) Which provider to take value from	101
FORPAY: (D) Contributing to costs for formal provider	101
FORCOST: (D) All or some contribution	101
CONPAYF: (D) Contribute to costs – formal provider	101
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PARENT: (D) Relationship: parent	102
SON: (D) Relationship: son	102
DAUGHTER: (D) Relationship: daughter	102
GPARENT: (D) Relationship: grandparent	102
BROSIS: (D) Relationship: brother or sister	102
OFAM: (D) Relationship: grandchild/niece or nephew/other family member	102
FRIEND: (D) Relationship: friend	102
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WASH: (D) Hours: wash	104
BATH: (D) Hours: bath	104
DRESS: (D) Hours: dress	104
TOILET: (D) Hours: toilet	104
EAT: (D) Hours: eat	104
MEDICINE: (D) Hours: medicine	104
INDOORS: (D) Hours: indoors	104
STAIRS: (D) Hours: stairs	104
OUTHOU: (D) Hours: out of the house	104
SHOP: (D) Hours: shop	104
HWORKE: (D) Hours: housework	104
PWORK: (D) Hours: paperwork	104

# Classification

## Household

HHSIZE: (D) Household Size

### SPSS Syntax

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

HHDTYPB: (D) Household Type

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

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

### SPSS Syntax

```
dataset close all.  
GET FILE="F:\Secure\HSE\clean_hhp11.sav"  
/keep serialh adults children infants age.  
missing values all().  
RECODE age (16 thru 59=1) (ELSE=0) INTO ad1659.  
COMPUTE ch015=children+infants.  
RECODE age (60 thru hi=1) (ELSE=0) INTO ad60.  
AGGREGATE OUTFILE="F:\Secure\HSE\hhdtypb.sav"  
/break=serialh adults ch015  
/adyoung=SUM(ad1659)  
/adold=SUM(ad60).  
GET FILE="F:\Secure\HSE\hhdtypb.sav".  
COMPUTE hhdtypb=-9.  
IF adults=1 & adyoung=1 & ch015=0 hhdtypb=1.  
IF adults=2 & adyoung=2 & ch015=0 hhdtypb=2.  
IF adults=1 & adold=1 & ch015=0 hhdtypb=7.  
IF adults=2 & adold>=1 & ch015=0 hhdtypb=6.  
IF ANY(adults,1,2) & ANY(ch015,1,2) hhdtypb=3.  
IF adults>=3 & ANY(ch015,0,1) hhdtypb=5.  
IF (adults>=1 & ch015>=3) | (adults>=3 & ch015=2) hhdtypb=4.  
VARIABLE LABELS hhdtypb "(D) Household Type".  
VALUE LABELS hhdtypb  
1 "1 adult aged 16-59, no children"  
2 "2 adults, both 16-59, no children"  
3 "Small family"  
4 "Large family"  
5 "Large adult household"  
6 "2 adults, 1 or both aged 60+, no children"  
7 "1 adult, aged 60+, no children".  
SAVE OUTFILE="F:\Secure\HSE\hhdtypc.sav"  
/keep serialh hhdtypb.  
MATCH FILES FILE="F:\Secure\HSE\class1.sav"  
/TABLE="F:\Secure\HSE\hhdtypc.sav"  
/BY serialh.  
EXECUTE.  
save outfile="F:\Secure\HSE\class2.sav".
```

# 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".
```

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

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

### SPSS Syntax

```
RECODE age (16 thru 34=1) (35 thru 54=2) (55 thru hi=3)
(0 thru 15=-1) INTO ag16g20 .
VALUE LABELS ag16g20
1 "16-34"
2 "35-54"
3 "55+"
VARIABLE LABEL ag16g20 "(D) Age 16+ in twenty year age bands".
```

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

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

### SPSS Syntax

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

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

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

### SPSS Syntax

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

```

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

```

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

```

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

```

#### SPSS Syntax

```

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

```

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

```

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

```

#### SPSS Syntax

```

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

```

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

```

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

```

#### SPSS Syntax

```

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

```

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

```

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

```

#### SPSS Syntax

```

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

```

```
2 "7-9"
3 "10-12"
4 "13-15".
```

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

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

#### SPSS Syntax

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

### MARSTATC: Marital status including cohabitees

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

#### SPSS Syntax

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

### MARSTAT2: Marital status (4 groups)

```
1 Single
2 Married/living with partner
3 Divorced/separated
4 Widowed
```

#### SPSS Syntax

```
RECODE marstat (1=1) (2 thru 3 = 2) (4 thru 5=3) (6=4) (else=copy) into marstat2.
var lab marstat2 '(D) Marital status (4 groups)'.
val lab marstat2 -9 "Refusal" -1 "Item not applicable" 1 'Single' 2 'Married/living with partner' 3
'Divorced/separated' 4 'Widowed'.
```

## 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,minbt,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".
```

## Booklet Admin

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

- 1 Blue 8-12
- 2 Yellow 13-15
- 3 Purple Young Adult
- 4 Green Adult

#### SPSS Syntax

```
COMPUTE booklet =0.
IF age>=8 and age<13 and screc=1 booklet=1.
IF age>=13 and age<16 and screc=1 booklet=2.
IF age>=16 and age<19 and screc=1 booklet=3.
IF age>=18 and age<25 and screc=1 & bookchk=2 booklet=3.
IF age>=18 and age<25 and screc=1 & bookchk=1 booklet=4.
IF age>=25 and screc=1 booklet=4.
EXECUTE.
VARIABLE LABELS booklet "(D) Eligible for which self-completion booklet".
VALUE LABELS booklet
  1 "Blue 8-12"
  2 "Yellow 13-15"
  3 "Purple Young Adult"
  4 "Green Adult".
```

## 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

### 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 (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.
EXECUTE.
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'.
IF (topqual3>0) topqual2=topqual3.
IF (educend=1 | activb=1) topqual2=8.
RECODE topqual2 topqual3 (sysmis,0=-1).
EXECUTE.
VARIABLE LABEL 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'.

```

## Employment Status

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

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

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

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

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

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

#### SPSS Syntax

```

RECODE stnssec (1 thru 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 LABEL nssec8 "(D) NS-SEC 8 variable classification (individual)".
VALUE LABEL 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".

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 LABEL nssec5 "(D) NS-SEC 5 variable classification (individual)".
VALUE LABEL 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".

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

```

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

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

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

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

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

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

**SPSS Syntax**

```
RECODE sthnssec (1 thru 3.4=1) (4 thru 6=2) (7 thru 7.4=3) (8 thru 9.2=4) (10 thru 11.2=5) (12 thru 12.7=6) (13 thru 13.5=7) (14 thru 14.2=8) (15 thru 17=99) (else=copy) into hpnsec8.
```

```
VARIABLE LABEL hpnsec8 "(D) NS-SEC 8 variable classification (hrp)".
```

```
VALUE LABEL hpnsec8
```

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

```
RECODE sthnssec (1 thru 6=1) (7 thru 7.4=2) (8 thru 9.2=3) (10 thru 11.2=4) (12 thru 13.5=5) (14 thru 17=99) (else=copy) INTO hpnsec5.
```

```
VARIABLE LABEL hpnsec5 "(D) NS-SEC 5 variable classification (hrp)".
```

```
VALUE LABEL hpnsec5
```

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

```
RECODE sthnssec (1 thru 6=1) (7 thru 9.2=2) (10 thru 13.5=3) (14 thru 17=99) (else=copy) INTO hpnsec3.
```

```
VARIABLE LABEL hpnsec3 "(D) NS-SEC 3 variable classification (hrp)".
```

```
VALUE LABEL hpnsec3
```

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

**ECONACT: (D) Economic Status (4 groups)**

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

**ECONACT5 (D) Economic status (5 groups)**

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

**ECONACT2 (D) Economic status (2 groups)**

- 1 In work
- 2 Not in work

**SPSS Syntax**

```
recode activb(2,3,4=1) (9=3) (1,5,6,7,8,10,95=4) (-9,-8=COPY) into econact.
```

```
if any(1,stwork,wkstrt2) econact=2.
```

```
if age<16 econact=-1.
```

```
if any(-9,activb,stwork,wkstrt2,wklook4) econact=-9.
```

```
if any(-8,activb,stwork,wkstrt2,wklook4) econact=-8.
```

```
variable labels econact "(D) Economic Status (4 groups)".
```

```
value labels econact
```

- 1 "In employment"
- 2 "ILO unemployed"
- 3 "Retired"

```

4 "Other economically inactive".

recode econact (1=1) (2=3) (3=4) (4=5) (econact5 else=copy) into econact5.
if econact=1 and employe=2 econact5=2.
exe.
variable labels econact5 '(D) Economic status (5 groups)'.
value labels -1 'Not applicable' -8 "Don't know" -9 'Refusal'
1 'In employment - employee'
2 'In employment - self-employed'
3 'ILO unemployed'
4 'retired'
5 'other economically inactive'.

recode econact5 (1=1) (2=1) (3=2) (4=2) (5=2) (else=copy) into econact2.
exe.
variable labels econact2 '(D) Economic status (2 groups)'.
value labels econact2 -1 'Not applicable' -8 "Don't know" -9 'Refusal'
1 'In work' 2 'Not in work'.

```

## Income

### TOTINC: (D) Total Household Income

```

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

```

### SPSS Syntax

```

COMPUTE totinc=-1.
IF jntinc=-1 totinc=-1.
DO IF (jntinc>0).
COMPUTE totinc=jntinc.
END IF.
DO IF (hhinc>jntinc).
COMPUTE totinc=hhinc.
END IF.
VARIABLE LABELS totinc "(D) Total Household Income".
VALUE LABELS totinc
1 '<£520'
2 '£520<£1,600'
3 '£1,600<£2,600'
4 '£2,600<£3,600'
5 '£3,600<£5,200'
6 '£5,200<£7,800'
7 '£7,800<£10,400'
8 '£10,400<£13,000'
9 '£13,000<£15,600'
10 '£15,600<£18,200'
11 '£18,200<£20,800'
12 '£20,800<£23,400'

```

```

13 '£23,400<£26,000'
14 '£26,000<£28,600'
15 '£28,600<£31,200'
16 '£31,200<£33,800'
17 '£33,800<£36,400'
18 '£36,400<£41,600'
19 '£41,600<£46,800'
20 '£46,800<£52,000'
21 '£52,000<£60,000'
22 '£60,000<£70,000'
23 '£70,000<£80,000'
24 '£80,000<£90,000'
25 '£90,000<£100,000'
26 '£100,000<£110,000'
27 '£110,000<£120,000'
28 '£120,000<£130,000'
29 '£130,000<£140,000'
30 '£140,000<£150,000'
31 '>=£150,000'
96 'Don't know'
97 'Refused'.

```

MCCLEM: (D) McClements household score for equivalised income

EQVINC: (D) Equivalised Income

EQV5: (D) Equivalised Income Quintiles

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

EQV3: (D) Equivalised Income Tertiles

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

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

#### SPSS Syntax

```

dataset close all.
get file="I:\Workdocs\HSE\DATA\HSE2011\Secure\Clean 11\clean_hse11.sav"
  /KEEP serialh jntinc hhinc.
SORT CASES BY serialh.
EXECUTE.
AGGREGATE OUTFILE='F:\Work\Secure\HSE\hh11.sav'
  /BREAK= serialh
  /jointinc hholdinc = MEAN(jntinc hhinc).

** Use HHP data file adding activ to each record .
GET FILE='I:\Workdocs\HSE\DATA\HSE2011\Secure\Clean 11\clean_hhp11.sav'
  /KEEP serialh seriali hrpid adults infants persno relto01 to relto12 age.
SORT CASES seriali(A).
COUNT pmarry=relto01 to relto12(1).
COUNT ppart=relto01 to relto12(2).
compute relnship=pmarry+ppart.
SAVE OUTFILE='F:\Work\Secure\HSE\mcxx11.sav'
  /KEEP serialh seriali hrpid adults infants persno relnship age.

get file="I:\Workdocs\HSE\DATA\HSE2011\Secure\Clean 11\clean_hse11.sav"
  /KEEP seriali activb.
SORT CASES seriali(A).
SAVE OUTFILE='F:\Work\Secure\HSE\activ11.sav'.
MATCH FILES FILE='F:\Work\Secure\HSE\mcxx11.sav'
  /TABLE='F:\Work\Secure\HSE\activ11.sav'
  /BY seriali.
SAVE OUTFILE='F:\Work\Secure\HSE\mcchhp11.sav'.

** Create variables for age/activ for each person no .

** Create all variables, default to 0 .
GET FILE='F:\Work\Secure\HSE\mcchhp11.sav'.
MISSING VALUES age ().
VECTOR mccage(12).
VECTOR mcactv(12).
LOOP xxi=1 TO 12.

```

```

DO IF (persno=xxi).
COMPUTE mccage(xxi)=age.
COMPUTE mcactv(xxi)=activb.
END IF.
END LOOP.
EXECUTE.

** Save HH file with appropriate vars .
SORT CASES BY serialh.
SAVE OUTFILE='F:\Work\Secure\HSE\mcchhp11x.sav'.

** Create Hrp file, save & merge .
GET FILE='F:\Work\Secure\HSE\mcchhp11x.sav'.
SELECT IF (hrpid=1).
SAVE OUTFILE='F:\Work\Secure\HSE\mcchh11.sav'
/KEEP= serialh adults relnship infants.

** Create 12 people files using a macro.
DEFINE mincfile ().
!DO !J=1 !TO 12.
!LET !vselect=!CONCAT(mccage,!J).
!LET !vvar=!CONCAT(mcactv,!J).
!LET !vfile=!QUOTE(!CONCAT("F:\Work\Secure\HSE\p",!J,".sav")).
GET FILE='F:\Work\Secure\HSE\mcchhp11x.sav'.
SELECT IF (!vselect=-9 | !vselect>=0).
SAVE OUTFILE=!vfile /KEEP=serialh !vselect !vvar.
!DOEND.
!ENDDEFINE.
MINCFILE.

** Merge all files together by serialh & save .
MATCH FILES FILE='F:\Work\Secure\HSE\hh11.sav'
/table='F:\Work\Secure\HSE\mcchh11.sav'
/table='F:\Work\Secure\HSE\p1.sav'
/table='F:\Work\Secure\HSE\p2.sav'
/table='F:\Work\Secure\HSE\p3.sav'
/table='F:\Work\Secure\HSE\p4.sav'
/table='F:\Work\Secure\HSE\p5.sav'
/table='F:\Work\Secure\HSE\p6.sav'
/table='F:\Work\Secure\HSE\p7.sav'
/table='F:\Work\Secure\HSE\p8.sav'
/table='F:\Work\Secure\HSE\p9.sav'
/table='F:\Work\Secure\HSE\p10.sav'
/table='F:\Work\Secure\HSE\p11.sav'
/table='F:\Work\Secure\HSE\p12.sav'
/BY serialh.
EXECUTE.
SAVE OUTFILE='F:\Work\Secure\HSE\income11.sav'
/KEEP serialh hholdinc jointinc adults relnship infants
mccage1 mccage2 mccage3 mccage4 mccage5 mccage6 mccage7 mccage8
mccage9 mccage10 mccage11 mccage12
mcactv1 mcactv2 mcactv3 mcactv4 mcactv5 mcactv6 mcactv7
mcactv8 mcactv9 mcactv10 mcactv11 mcactv12 .

** Get file and initialise mcclem to zero .
GET FILE='F:\Work\Secure\HSE\income11.sav'.
COMPUTE mcclem=0.

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

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

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

```

```

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

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

VARIABLE LABEL mcclem "(D) McClements household score for equivalised income".
EXECUTE.

** Save File under new name .

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

compute eqv5=-1.
IF eqvinc>=0 and eqvinc<=11676.65 eqv5=1.
IF eqvinc>11676.65 and eqvinc<=19117.65 eqv5=2.
IF eqvinc>19117.65 and eqvinc<=27704.92 eqv5=3.
IF eqvinc>27704.92 and eqvinc<=47794.12 eqv5=4.
IF eqvinc>47794.12 eqv5=5.
IF eqvinc<0 eqv5=-1.
VARIABLE LABEL eqvinc "(D) Equivalised Income".
VARIABLE LABEL eqv5 "(D) Equivalised Income Quintiles".
VALUE LABELS eqvinc -1 'Item not applicable'.
VALUE LABELS eqv5
-1 'Item not applicable'
5 'Highest Quintile (>£47794.12 )'
4 'Second highest Quintile (>£27704.92 <=£47794.12 )'
3 'Middle Quintile (>£19117.65 <=£27704.92)'
2 'Second lowest Quintile (>£11676.65 <=£19117.65)'
1 'Lowest Quintile (<=£11676.65)'.

compute eqv3=-1.
IF eqvinc>=0 and eqvinc<=15600.00 eqv3=1.
IF eqvinc>15600.00 and eqvinc<=33050.85 eqv3=2.
IF eqvinc>33050.85 eqv3=3.
IF eqvinc<0 eqv3=-1.
VARIABLE LABEL eqv3 "(D) Equivalised Income Tertiles".
VALUE LABELS eqv3
-1 'Item not applicable'
3 'Highest Tertile (>£33,050.85)'
2 'Middle Tertile (>£15,600.00 - £33,050.85)'
1 'Lowest Tertile (<=£15,600.00)'.

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

SAVE OUTFILE='F:\Work\Secure\HSE\mcclem11.sav'
/KEEP serialh mcclem hholdinc jointinc midinc eqvinc mid5 adults relnship infants
mccage1 mccage2 mccage3 mccage4 mccage5 mccage6 mccage7 mccage8
mccage9 mccage10 mccage11 mccage12 mccage12
mcactv1 mcactv2 mcactv3 mcactv4 mcactv5 mcactv6 mcactv7
mcactv8 mcactv9 mcactv10 mcactv11 mcactv12 mcactv12 eqv5 eqv5_temp eqv3 eqv3_temp eqv5w.
SORT CASES serialh(A).
SAVE OUTFILE='F:\Work\Secure\HSE\eqv11h.sav'
/KEEP serialh eqvinc mcclem eqv3 eqv3_temp eqv5 eqv5_temp eqv5w.

```

```

**Run quintiles on eqvinc (data hse2011) here then plug numbers and rerun syntax above**.

** Merge back onto individual records.
dataset close all.
get file="I:\Workdocs\HSE\DATA\HSE2011\Secure\Clean 11\clean hse11.sav".
SORT CASES serialh(A).
MATCH FILES
  /FILE=*
  /TABLE='F:\Work\Secure\HSE\eqv11h.sav'
  /BY serialh.
EXECUTE.
SAVE OUTFILE="F:\Secure\HSE\class1.sav".

```

## Nurse Admin

### 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

### MARSTATC: (D) Marital status including cohabitees

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

#### SPSS Syntax

```

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

```

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

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

- 1 Own natural child
- 2 Adopted child
- 3 Foster child
- 4 Step child
- 5 Grandchild

- 6 Brother/sister
- 7 Other relative

### SPSS Syntax

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

## Sample Info

URBAN: (D) Rurality of dwelling unit

- 1 Urban
- 2 Town & fringe

**SPSS Syntax**

```

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

```

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

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

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

# Anthropometric Measurements

## Height/Weight Admin

HTOK: (D) Whether height measure is valid

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

WTOK: (D) Whether weight measure is valid

- 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 WTK=4, then BMIOK=4*

### 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".

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".

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)

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

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

## SPSS Syntax

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

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

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 - inc. estimated>130kg

BMIVG5: (D) Valid 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

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

## SPSS Syntax

```
COMPUTE bmival=-1.
IF (bmiok=1) bmival=bmi.
IF (range(estwt,130,500) & ANY(wtok,3,4,5) & htok=1) & age>=16
  bmival=(estwt * 100 * 100)/(height * height).
VARIABLE LABELS bmival "(D) Valid BMI - inc estimated>130kg".
RECODE bmival (0 thru 18.5=1) (18.5 thru 25=2) (25 thru 30=3) (30 thru 40=4)
  (40 thru hi=5) (lo thru -1=COPY) INTO bmivg5.
If age<16 bmivg5=-1.
VARIABLE LABELS bmivg5 "(D) Valid BMI (grouped:<18.5,18.5-25,25-30,30-40 40+)".
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".
If age<16 bmivg5=-1.
```

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

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

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

- 1 Neither overweight nor obese
- 2 Overweight incl obese

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

- 1 Non-obese
- 2 Obese

## SPSS Syntax

```
missing values all ().
COMPUTE intexage=-1.
```

```

DO IF age>=2 & age<16 & bmiok=1.
  COMPUTE idate = DATE.DMY(dintb,mintb,yintb) .
  COMPUTE dobdate = DATE.DMY(dobday,dobmon,dobyear) .
  IF (dobdate> 0 & idate>0) intexage=((idate-dobdate)/(86400*365.25)) .
  IF (age=2 and intexage<2) and dintb=dobday and mintb=dobmon intexage=2.
END IF.
VARIABLE LABELS intexage "(D) Exact age at interview".

*****OBESITY/OVERWEIGHT USING 85th/95th centiles*****.
compute bmical1=9.
IF sex=1 AND (intexage>=2 AND intexage<2.50) AND bmival<18.12 bmical1=1.
IF sex=2 AND (intexage>=2 AND intexage<2.50) AND bmival<17.83 bmical1=1.
IF sex=1 AND (intexage>=2.50 AND intexage<3) AND bmival<17.80 bmical1=1.
IF sex=2 AND (intexage>=2.50 AND intexage<3) AND bmival<17.55 bmical1=1.

IF sex=1 AND (intexage>=3 AND intexage<3.50) AND bmival<17.55 bmical1=1.
IF sex=2 AND (intexage>=3 AND intexage<3.50) AND bmival<17.39 bmical1=1.
IF sex=1 AND (intexage>=3.50 AND intexage<4) AND bmival<17.32 bmical1=1.
IF sex=2 AND (intexage>=3.50 AND intexage<4) AND bmival<17.29 bmical1=1.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND bmival<17.13 bmical1=1.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND bmival<17.23 bmical1=1.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND bmival<17.01 bmical1=1.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND bmival<17.17 bmical1=1.

IF sex=1 AND (intexage>=5 AND intexage<5.50) AND bmival<16.96 bmical1=1.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND bmival<17.16 bmical1=1.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND bmival<16.96 bmical1=1.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND bmival<17.21 bmical1=1.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND bmival<17.01 bmical1=1.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND bmival<17.32 bmical1=1.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND bmival<17.10 bmical1=1.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND bmival<17.49 bmical1=1.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND bmival<17.24 bmical1=1.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND bmival<17.71 bmical1=1.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND bmival<17.41 bmical1=1.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND bmival<17.96 bmical1=1.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND bmival<17.61 bmical1=1.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND bmival<18.23 bmical1=1.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND bmival<17.83 bmical1=1.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND bmival<18.52 bmical1=1.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND bmival<18.08 bmical1=1.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND bmival<18.82 bmical1=1.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND bmival<18.35 bmical1=1.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND bmival<19.15 bmical1=1.

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND bmival<18.64 bmical1=1.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND bmival<19.49 bmical1=1.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND bmival<18.94 bmical1=1.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND bmival<19.85 bmical1=1.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND bmival<19.26 bmical1=1.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND bmival<20.22 bmical1=1.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND bmival<19.59 bmical1=1.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND bmival<20.60 bmical1=1.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND bmival<19.93 bmical1=1.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND bmival<20.98 bmical1=1.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND bmival<20.29 bmical1=1.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND bmival<21.37 bmical1=1.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND bmival<20.65 bmical1=1.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND bmival<21.74 bmical1=1.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND bmival<21.02 bmical1=1.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND bmival<22.10 bmical1=1.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND bmival<21.39 bmical1=1.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND bmival<22.45 bmical1=1.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND bmival<21.76 bmical1=1.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND bmival<22.77 bmical1=1.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmival<22.12 bmical1=1.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmival<23.08 bmical1=1.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND bmival<22.48 bmical1=1.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND bmival<23.35 bmical1=1.

IF sex=1 AND (intexage>=2 AND intexage<2.50) AND (bmival>=18.12 AND bmival<19.10) bmical1=2.
IF sex=2 AND (intexage>=2 AND intexage<2.50) AND (bmival>=17.83 AND bmival<18.84) bmical1=2.
IF sex=1 AND (intexage>=2.50 AND intexage<3) AND (bmival>=17.80 AND bmival<18.77) bmical1=2.
IF sex=2 AND (intexage>=2.50 AND intexage<3) AND (bmival>=17.55 AND bmival<18.56) bmical1=2.

IF sex=1 AND (intexage>=3 AND intexage<3.50) AND (bmival>=17.55 AND bmival<18.51) bmical1=2.
IF sex=2 AND (intexage>=3 AND intexage<3.50) AND (bmival>=17.39 AND bmival<18.42) bmical1=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.

VAR LAB bmicat1 '(D) BMI standards (85th/95th centile) updated 08'.
VAL LAB bmicat1
1 'Normal-weight'
2 'Over-weight'
3 'Obese'.
exe.

RECODE bmicat1 (1=1) (2 thru 3=2)(else=copy) INTO bmicat2.
VAR LAB bmicat2 '(D) BMI status (ovrghgt inc. obese)'.
VAL LAB bmicat2
1 'Neither overweight nor obese'
2 'Overweight incl. obese'.

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

```

**WSTVAL: (D) Valid Mean Waist (cm)**

**HIPVAL: (D) Valid Mean Hip (cm)**

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

#### **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 LABEL wstval "(D) Valid Mean Waist (cm)".

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 LABEL hipval "(D) Valid Mean Hip (cm)".

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

```

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

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

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

- 1 Less than 0.95
- 2 0.95 or more

#### SPSS Syntax

```

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

```

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

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

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

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

#### SPSS Syntax

```

do if sex=2.
RECODE whokb (-99 thru -1=COPY) (2 thru 5=-1) into womwhgp.
RECODE whval (0.90 thru hi=6) (0.85 thru 0.90=5) (0.80 thru 0.85=4) (0.75 thru 0.80=3)
(0.70 thru 0.75=2) (0.01 thru 0.70=1) into womwhgp.
recode womwhgp (1 thru 4=1) (5,6=2) (-99 thru -1=copy) into womwhhi.
VAR LAB womwhgp '(D) Female waist hip ratio groups'.
VAL LAB womwhgp
  1 'Less than 0.70'
  2 '0.70, less than 0.75'
  3 '0.75, less than 0.80'
  4 '0.80, less than 0.85'
  5 '0.85, less than 0.90'
  6 '0.90 or more'
  -90 'Pregnant'.
VAR LAB womwhhi '(D) Female high waist hip ratio'.
VAL LAB womwhhi
  1 'Less than 0.85'
  2 '0.85 or more'
  -90 'Pregnant'.
end if.

```

```

if sex=1 womwhgp=-1.
if sex=1 womwhhi=-1.
if age<=15 womwhgp=-1.
if age<=15 womwhhi=-1

```

## 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

### 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

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

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

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

#### SPSS Syntax

```

RECODE 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'.

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'.

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".

```

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

- 1 Normal
- 2 Over 102/88cm

### **SPSS syntax**

```

recode wstval (0 thru hi = 1) (else = copy) into waistthi.
if sex = 1 and wstval >102 waistthi = 2.
if sex = 2 and wstval >88 waistthi = 2.
var lab waistthi "(D) Raised waist measurement over 102cm for men and 88cm for women".
val lab waistthi
  1 "normal"
  2 "over 102 / 88 cm".

```

# 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 any(2,bswill) 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".
```

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

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

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

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

#### SPSS Syntax

```
recode samptak (-2=-2)(-1=4)(1,2=3) into cholok.
if bswill=2 cholok=5.
if cholest>0 & cholqual<0 cholok=1.
if cholest>0 & lipid=1 cholok=2.
variable labels cholok "(D) Response to Total Cholesterol sample".
value labels cholok
  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 hdlok.
if bswill=2 hdlok=5.
if hdlchol>0 & hdlqual<0 hdlok=1.
if hdlchol>0 & lipid=1 hdlok=2.
variable labels hdlok "(D) Response to HDL Cholesterol sample".
value labels hdlok
  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 HB sample".
value labels glyhbok
  1 "Valid sample"
  3 "Sample not obtained, not usable"
  4 "Ineligible"
  5 "Refused".
```

## Measurements

---

CHOLVAL: (D) Valid Total Cholesterol Result  
 CHOLVAL1: (D) Valid Cholesterol Result (incl those on lld)  
 HDLVAL: (D) Valid HDL Cholesterol Result  
 HDLVAL1: (D) Valid HDL Cholesterol Result (incl those on lld)  
 GLYHBVAL: (D) Valid Glycated HB Result

**SPSS Syntax**

```
compute cholval=-1.
if cholok=1 cholval=cholest.
variable labels cholval "(D) Valid Total Cholesterol Result".

compute cholval1=-1.
if (cholok=1 | cholok=2) cholval1=cholest.
variable labels cholval1 "(D) Valid Cholesterol Result (incl those on lld)".

compute hdlval=-1.
if hdlok=1 hdlval=hdlchol.
variable labels hdlval "(D) Valid HDL Cholesterol Result".

compute hdlval1=-1.
if (hdlok=1 | hdlok=2) hdlval1=hdlchol.
variable labels hdlval1 "(D) Valid HDL Cholesterol Result (incl those on lld)".

compute glyhbval=-1.
if glyhbok=1 glyhbval=glyhb.
variable labels glyhbval "(D) Valid Glycated HB Result".
```

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

**SPSS Syntax**

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

GLYHB3G: (D) Glycated haemoglobin 3 groups

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

**SPSS Syntax**

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

GLYHBHI: (D) Raised glycated haemoglobin 3 groups

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

**SPSS Syntax**

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

CHOLFOUR: (D) Whether total cholesterol < 4 (incl those on LLD)

1. <4.0
2. >=4.0

**SPSS Syntax**

```
COMPUTE cholfour=cholval1.
If cholval1>=4.0 cholfour=2.
if cholval1>0 and cholval1<4.0 cholfour=1.
VALUE LABELS cholfour 1 "<4.0" 2 ">=4.0".
variable labels cholfour "(D) Whether total cholesterol < 4 (incl those on LLD)"
```

CHOLFIVE: (D) Whether total cholesterol < 5 (incl those on LLD)

1. <5.0
2. >=5.0

**SPSS Syntax**

```

COMPUTE cholfive=cholval1.
if cholval1>=5.0 cholfive=2.
if cholval1>0 and cholval1<5.0 cholfive=1.
variable labels cholfive "(D) Whether total cholesterol < 5 (incl those on LLD)"
VALUE LABELS cholfive 1 "<5.0" 2 ">=5.0".

```

**CHOLVALOLD: (D) Valid Total Cholesterol Result adjusted for comparison with previous years**

**SPSS Syntax**

```

compute cholvalold=cholval.
if cholval=-1 cholvalold=cholval - 0.1.
VARIABLE LABELS cholvalold '(D) Valid Total Cholesterol Result Adjusted for comparison with previous years'.
EXECUTE.

```

**CHOLVAL1OLD: (D) Valid Cholesterol Result (incl those on LLD) adjusted for comparison with previous years**

**SPSS Syntax**

```

compute cholval1old=cholval1.
if cholval1=-1 cholval1old=cholval1 - 0.1.
VARIABLE LABELS cholval1old '(D) Valid Cholesterol Result (incl those on LLD) Adjusted for comparison with previous years'.
EXECUTE.

```

**CHOLFOUOLD: (D) Whether total cholesterol < 4 adjusted for comparison with previous years (incl those on LLD)**

1. <4.0
2. >=4.0

**SPSS Syntax**

```

COMPUTE cholfouold=cholval1old.
If cholval1old>=4.0 cholfouold=2.
if cholval1old>0 and cholval1old<4.0 cholfouold=1.
variable labels cholfouold "(D) Whether total cholesterol < 4 adjusted for comparison with previous years (incl those on LLD)".
VALUE LABELS cholfouold 1 "<4.0" 2 ">=4.0".

```

**CHOLFIVEOLD: (D) Whether total cholesterol < 5 adjusted for comparison with previous years (incl those on LLD)**

1. <5.0
2. >=5.0

**SPSS Syntax**

```

COMPUTE cholfiveold=cholval1old.
if cholval1old>=5.0 cholfiveold=2.
if cholval1old>0 and cholval1old<5.0 cholfiveold=1.
variable labels cholfiveold "(D) Whether total cholesterol < 5 adjusted for comparison with previous years (incl those on LLD)".
VALUE LABELS cholfiveold 1 "<5.0" 2 ">=5.0".

```

**HDLONE: (D) Whether hdl < 1 (incl those on LLD)**

1. <1.0
2. >=1.0

**SPSS Syntax**

```

COMPUTE hdlone=hdlval1.
if hdlval1>=1 hdlone=2.
if hdlval1>0 and hdlval1<1 hdlone=1.
VALUE LABELS hdlone 1 "<1" 2 ">=1".
variable labels hdlone "(D) Whether hdl < 1 (incl those on LLD)".

```

## HDLVALOLD: (D) Valid HDL Cholesterol Result Adjusted

### SPSS Syntax

```
COMPUTE hdlvalold=hdval.  
if hdval~=-1 hdlvalold=hdval - 0.1.  
VARIABLE LABELS hdlvalold '(D) Valid HDL Cholesterol Result Adjusted'.  
EXECUTE.
```

## HDLVAL1OLD: (D) Valid HDL Cholesterol Result (incl those on LLD) adjusted for comparison with previous years

### SPSS Syntax

```
COMPUTE hdlvallold=hdvall.  
if hdvall~=-1 hdlvallold=hdvall - 0.1.  
VARIABLE LABELS hdlvallold '(D) Valid HDL Cholesterol Result (incl those on LLD) Adjusted for comparison with previous years'.  
EXECUTE.
```

## HDLONEOLD: (D) Whether total cholesterol < 1 adjusted for comparison with previous years (incl those on LLD)

1. <1.0
2. >=1.0

### SPSS Syntax

```
COMPUTE hdloneold=hdvallold.  
if hdlvallold>=1 hdloneold=2.  
if hdlvallold>0 and hdlvallold<1 hdloneold=1.  
VALUE LABELS hdloneold 1 "<1" 2 ">=1".  
variable labels hdloneold "(D) Whether total cholesterol < 1 adjusted for comparison with previous years (incl those on LLD)".
```

# Blood Pressure

## Admin

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

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

#### SPSS Syntax

```
RECODE 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 (pregntj = 1) bprespc = 5.
VARIABLE LABEL bprespc "(D) Whether BP readings are valid".
VALUE LABELS bprespc
  1 'Valid blood pressure measurement'
  2 'Ate, drank, smoked, exercised in previous half hour'
  3 'Not known if ate, drank, smoked or exercised'
  4 'Three valid readings not obtained'
  5 'Pregnant'
  6 'Refused, attempted but not obtained, not attempted'.
```

## Measurements

*In 2003 Blood pressure equipment was changed from Diamap to Omron. In previous years, blood pressure variables were also derived using a calibration factor to convert readings from the Omron measurements to a Dinamap equivalent. Due to changes in thresholds and a lack of need for the Dinamap conversions, these variables have not been in the HSE2011 data.*

### 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 ommaval ompulval.
RECODE bprespc (10 thru 0=COPY) (2,5=-1) (3,4=-8) (6=-7) INTO omval.
END REPEAT.
DO IF bprespc=1.
  COMPUTE omdiaaval=omdiast.
  COMPUTE omsysval=omsyst.
  COMPUTE ommaval=ommap.
  COMPUTE ompulval=ompuls.
END IF.
VARIABLE LABELS omdiaaval "(D) Omron Valid Mean Diastolic BP" .
VARIABLE LABELS omsysval "(D) Omron Valid Mean Systolic BP" .
VARIABLE LABELS ommaval "(D) Omron Valid Mean Arterial Pressure" .
VARIABLE LABELS ompulval "(D) Omron Valid Pulse Pressure" .
```

### 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 = omdiaast omsyst ommaval ompuls.
RECODE respbps (10 thru 0=COPY) (4 thru 6=-7) (2 thru 3=-9) INTO ommeas.
END REPEAT.
```

```

DO IF (respbps = 1).
  COMPUTE omdiastr = (dias2om + dias3om)/2.
  COMPUTE omsyst = (sys2om + sys3om)/2.
  COMPUTE ommap = (map2om + map3om)/2.
  COMPUTE ompuls = omsyst-omdiast.
END IF.
VARIABLE LABELS omdiastr "(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid" .
VARIABLE LABELS omsyst "(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid" .
VARIABLE LABELS ommap "(D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid" .
VARIABLE LABELS ompuls "(D) Omron Pulse pressure, systolic-diastolic inc. invalid" .
VALUE LABELS ompuls -7 'Refused, attempted but not obtained, not attempted'.

```

**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 hyperlom2.
DO IF bprespc=1.
  IF ANY(bpmedd2,0,-1) & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
    hyperlom2=1.
  IF bpmedd2=1 & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
    hyperlom2=2.
  IF bpmedd2=1 & (omsyst>=160 | omdiastr>=95) hyperlom2=3.
  IF ANY(bpmedd2,0,-1) & (omsyst>=160 | omdiastr>=95) hyperlom2=4.
END IF.
IF (bpmedd2 = -9) hyperlom2 = -9 .
VARIABLE LABELS hyperlom2
  "(D) Hypertensive categories: all prescribed drugs for BP (Omron readings) {revised}" .
VALUE LABELS hyperlom2
  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 | omdiastr>=95) hyper2om2=3.
  IF ANY(bpmedc2,0,-1) & (omsyst>=160 | omdiastr>=95) hyper2om2=4.
END IF.
IF (bpmedc2 = -9) hyper2om2 = -9 .
VARIABLE LABELS hyper2om2
  "(D) Hypertensive categories: all taking BP drugs (Omron readings) {revised}" .
VALUE LABELS hyper2om2
  1 'Normotensive untreated'
  2 'Normotensive treated'
  3 'Hypertensive treated'
  4 'Hypertensive untreated'
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE bprespc(2 thru 5,-1=-1) (-6,-2=COPY) (6=-7) INTO hy140om2.
DO IF bprespc=1.
  IF ANY(bpmedd2,0,-1) & RANGE(omsyst,0,139.999) & RANGE(omdiast,0,89.999)
    hy140om2=1.
  IF bpmedd2=1 & RANGE(omsyst,0,139.999) & RANGE(omdiast,0,89.999)
    hy140om2=2.
  IF bpmedd2=1 & (omsyst>=140 | omdiastr>=90) hy140om2=3.
  IF ANY(bpmedd2,0,-1) & (omsyst>=140 | omdiastr>=90) hy140om2=4.
END IF.
IF (bpmedd2 = -9) hy140om2 = -9 .
VARIABLE LABELS hy140om2
  "(D) Hypertensive categories:140/90: all prescribed drugs for BP (Omron readings) {revised}" .
VALUE LABELS hy140om2
  1 'Normotensive'
  2 'Hypertensive controlled'

```

```
3 'Hypertensive uncontrolled'
4 'Hypertensive untreated'
-7 'Refused, attempted but not obtained, not attempted'.
```

HIBP1OM2: (D) Whether hypertensive: all prescribed drugs for BP (Omron readings) {revised}  
HIBP2OM2: (D) Whether hypertensive: all taking BP drugs (Omron readings) {revised}  
HBP140OM2: (D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings) {revised}

- 0 Not high BP
- 1 High BP

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

#### SPSS Syntax

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

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

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

BPHI3G: (D) Valid blood pressure 3 groups

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

#### SPSS syntax

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

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

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

#### SPSS syntax

```
recode hyl40om (1 thru 3 = 1) (4=2) (else = copy) into hbp160om.
if hyl40om>0 and range (omsysval,0,159.999) and range(omdiaval,0,99.999) hbp160om = 1.
var lab hbp160om "(D) Hypertensive untreated (160/100)".
val lab hbp160om
1 "BP under 160/100 and or taking medication" 2 "BP 160/100 or above and not taking medication".
```

# Cardiovascular Disease

## CVD conditions

CVDDEF: (D) Had cardiovascular condition

- 1 Yes
- 2 No

### SPSS Syntax

```
IF (ANY(2,murmur1,diabete2,bp1,angidef,heartdef,iregdef,ohdef,strokef)) cvddef=2.
IF (ANY(1,murmur1,diabete2,bp1,angidef,heartdef,iregdef,ohdef,strokef)) cvddef=1.
IF (ANY(-9,murmur1,diabete2,bp1,angidef,heartdef,iregdef,ohdef,strokef)) cvddef=-9.
IF (ANY(-8,murmur1,diabete2,bp1,angidef,heartdef,iregdef,ohdef,strokef)) cvddef=-8.
if age<=15 cvddef=-1.
VARIABLE LABELS cvddef "(D) Had cardiovascular condition".
VALUE LABELS cvddef
1 "Yes"
2 "No".
```

CVDDEF1: (D) Had cardiovascular condition (excluding diabetes/high BP)

- 1 Yes
- 2 No

### SPSS Syntax

```
IF (ANY(2,murmur1,angidef,heartdef,iregdef,ohdef,strokef)) cvddef1=2.
IF (ANY(1,murmur1,angidef,heartdef,iregdef,ohdef,strokef)) cvddef1=1.
IF (ANY(-9,murmur1,angidef,heartdef,iregdef,ohdef,strokef)) cvddef1=-9.
IF (ANY(-8,murmur1,angidef,heartdef,iregdef,ohdef,strokef)) cvddef1=-8.
if age<=15 cvddef1=-1.
VARIABLE LABELS cvddef1 "(D) Had cardiovascular condition (excluding diabetes/high BP)".
VALUE LABELS cvddef1
1 "Yes"
2 "No".
```

NOBPCVD: (D) Had CVD: excludes those with high BP

- 1 Yes
- 2 No

### SPSS Syntax

```
IF (ANY(2,murmur1,diabete2,angidef,heartdef,iregdef,ohdef,strokef)) nobpcvd=2.
IF (ANY(1,murmur1,diabete2,angidef,heartdef,iregdef,ohdef,strokef)) nobpcvd=1.
IF (ANY(-9,murmur1,diabete2,angidef,heartdef,iregdef,ohdef,strokef)) nobpcvd=-9.
IF (ANY(-8,murmur1,diabete2,angidef,heartdef,iregdef,ohdef,strokef)) nobpcvd=-8.
if age<=15 nobpcvd=-1.
VARIABLE LABELS nobpcvd "(D) Had CVD: excludes those with high BP".
VALUE LABELS nobpcvd
1 "Yes"
2 "No".
```

NOBPCVD2: (D) Had CVD: excludes those with high BP {revised}

- 1 Yes
- 2 No

### SPSS Syntax

```
IF (ANY(2,murmur1,diabete2,angidef,heartdef,iregdef,ohdef,strokef)) nobpcvd2=2.
IF (ANY(-9,murmur1,diabete2,angidef,heartdef,iregdef,ohdef,strokef)) nobpcvd2=-9.
IF (ANY(-8,murmur1,diabete2,angidef,heartdef,iregdef,ohdef,strokef)) nobpcvd2=-8.
IF (ANY(1,murmur1,diabete2,angidef,heartdef,iregdef,ohdef,strokef)) nobpcvd2=1.
if age<=15 nobpcvd2=-1.
VARIABLE LABELS nobpcvd2 "(D) Had CVD: excludes those with high BP {revised}".
VALUE LABELS nobpcvd2 1 "Yes" 2 "No".
```

## IHDIS: (D) Had IHD (Angina or Heart Attack)

- 1 Yes
- 2 No

### SPSS Syntax

```
IF (ANY(2,angidef,heartdef)) ihdis=2.
IF (ANY(1,angidef,heartdef)) ihdis=1.
IF (ANY(-9,angidef,heartdef)) ihdis=-9.
IF (ANY(-8,angidef,heartdef)) ihdis=-8.
if age<=15 ihdis=-1.
VARIABLE LABELS ihdis "(D) Had IHD (Angina or Heart Attack)".
VALUE LABELS ihdis
1 "Yes"
2 "No".
```

## IHDIS2: (D) Had IHD (Angina or Heart Attack) {revised}

- 1 Yes
- 2 No

### SPSS Syntax

```
IF (ANY(2,angidef,heartdef)) ihdis2=2.
IF (ANY(-9,angidef,heartdef)) ihdis2=-9.
IF (ANY(-8,angidef,heartdef)) ihdis2=-8.
IF (ANY(1,angidef,heartdef)) ihdis2=1.
if age<=15 ihdis2=-1.
VARIABLE LABELS ihdis2 "(D) Had IHD (Angina or Heart Attack) {revised}".
VALUE LABELS ihdis2 1 "Yes" 2 "No".
```

## CVDIS: (D) Had CVD (Angina, Heart Attack or Stroke)

- 1 Yes
- 2 No

### SPSS Syntax

```
IF (ANY(2,angidef,heartdef,strodef)) cvdis=2.
IF (ANY(1,angidef,heartdef,strodef)) cvdis=1.
IF (ANY(-9,angidef,heartdef,strodef)) cvdis=-9.
IF (ANY(-8,angidef,heartdef,strodef)) cvdis=-8.
if age<=15 cvdis=-1.
VARIABLE LABELS cvdis "(D) Had CVD (Angina, Heart Attack or Stroke)".
VALUE LABELS cvdis
1 "Yes"
2 "No".
```

## CVDIS2: (D) Had CVD (Angina, Heart Attack or Stroke) {revised}

- 1 Yes
- 2 No

### SPSS Syntax

```
IF (ANY(2,angidef,heartdef,strodef)) cvdis2=2.
IF (ANY(-9,angidef,heartdef,strodef)) cvdis2=-9.
IF (ANY(-8,angidef,heartdef,strodef)) cvdis2=-8.
IF (ANY(1,angidef,heartdef,strodef)) cvdis2=1.
if age<=15 cvdis2=-1.
VARIABLE LABELS cvdis2 "(D) Had CVD (Angina, Heart Attack or Stroke) {revised}".
VALUE LABELS cvdis2 1 "Yes" 2 "No".
```

## CVD3A: (D) CVD measure of severity (hierarchy)

- 0 No CVD
- 1 Only murmur, irregular heart rhythm or other heart trouble
- 2 High BP or diabetes only
- 3 Angina only
- 4 Heart attack or stroke

### SPSS Syntax

```
compute cvd3a = -9.
if (heartdef=2 & strodef=2 & angidef=2 & bpl=2 & diabete2=2 & murmur1=2 & iregdef=2 & ohtdef=2) cvd3a=0.
if (murmur1=1 | docoht=1 | docireg=1) cvd3a=1.
if (bpl=1 | diabete2=1) cvd3a=2.
if docangi =1 cvd3a=3.
if (docheart=1 | docstro=1) cvd3a=4.
if age<=15 cvd3a=-1.
variable label cvd3a '(D) CVD measure of severity (hierarchy)'
value labels cvd3a
0 'No cvd'
1 'Only murmur, irregular heart rhythm or other heart trouble'
```

```
2 'High BP or diabetes only'
3 'Angina only'
4 'Heart attack or stroke'.
```

## Angina

### ANGIDEF: (D) Doctor diagnosed angina

- 1 Yes
- 2 No

#### SPSS Syntax

```
RECODE docangi (-1=2) (else=copy) into angidef.
if age<=15 angidef=-1.
VARIABLE LABELS angidef "(D) Doctor diagnosed angina".
VALUE LABELS angidef
1 "Yes"
2 "No".
```

### UPHILL1: (D) Has chest pain when walking uphill/hurrying

- 1 Yes
- 2 No
- 3 N ever walks uphill/hurries/cannot walk

#### SPSS Syntax

```
RECODE uphillw (-9 thru -1=COPY) (1 thru 2=COPY) (4 thru 5=3) INTO uphill1.
RECODE occas1 (1 thru 2=COPY) (-9 thru -8=COPY) INTO uphill1.
VARIABLE LABEL uphill1 "(D) Has chest pain when walking uphill/hurrying".
VALUE LABELS uphill1
1 "Yes"
2 "No"
3 "Never walks uphill/hurries/cannot walk".
```

### LEVEL: (D) Has chest pain when walking at ordinary pace

- 1 Yes
- 2 No
- 3 N ever walks at ordinary pace on level

#### SPSS Syntax

```
RECODE levelw (-9 thru -1=COPY) (1 thru 2=COPY) (4 thru 4=3) INTO level.
RECODE occas2 (1 thru 2=COPY) (-9 thru -8=COPY) INTO level.
VARIABLE LABEL level "(D) Has chest pain when walking at ordinary pace".
VALUE LABELS level
1 "Yes"
2 "No"
3 "Never walks at ordinary pace on level".
```

### SYMPAN1: (D) Angina symptoms (Rose Angina Qure)

- 1 Grade 1 angina
- 2 Grade 2 angina
- 3 No angina

#### SPSS Syntax

```
COMPUTE sympan1=3.
IF ((pansitc1=1 | pansitc2=1 | (pansitc3=1 & pansitc4=1)) & uphillw=1) sympan1=1.
IF (sympan1=1 & level=1) sympan1=2.
IF (ANY(-9,chestpain,walking,stopwalk, howsoon,pansitc1,uphillw,level)) sympan1=-9.
IF (ANY(-8, chestpain,walking,stopwalk,howsoon,pansitc1,uphillw,level)) sympan1=-8.
IF age<=15 sympan1=-1.
VARIABLE LABEL sympan1 "(D) Angina Symptoms (Rose Angina Qure)".
VALUE LABELS sympan1
1 "Grade 1 Angina"
2 "Grade 2 Angina"
3 "No angina".
```

### POSSMI: (D) Possible Infarction (Rose Angina Qure)

- 1 Yes
- 2 No

#### SPSS Syntax

```
recode everpain(1=1) (-1,2=2) (-9,-8=COPY) into possmi.
IF age<=15 possmi=-1.
variables labels possmi "(D) Possible Infarction (Rose Angina Qure)".
```

```
value labels possmi
1 "Yes" 2 "No".
```

## ROSEANMI: (D) Angina or MI (Rose Angina Qure)

- 1 Angina and MI
- 2 Neither angina nor MI
- 3 Angina, but not MI
- 4 MI, but not angina

### SPSS Syntax

```
IF any(sympan1,1,2) & possmi=1 roseanmi=1.
IF sympan1=3 & possmi=2 roseanmi=2.
IF any(sympan1,1,2) & possmi=2 roseanmi=3.
IF sympan1=3 & possmi=1 roseanmi=4.
IF ANY(-9,sympan1,possmi) roseanmi=-9.
IF ANY(-8,sympan1,possmi) roseanmi=-8.
IF age<=15 roseanmi=-1.
VARIABLE LABELS roseanmi "(D) Angina or MI (Rose Angina Qure)".
VALUE LABELS roseanmi
  1 "Angina and MI"
  2 "Neither angina nor MI"
  3 "Angina, but not MI"
  4 "MI, but not Angina".
```

## Blood pressure

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

- 1 Yes
- 2 No

### SPSS Syntax

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

## CHD stroke

### HEARTDEF: (D) Doctor diagnosed heart attack

- 1 Yes
- 2 No

### SPSS Syntax

```
RECODE docheart (-1=2)(else=copy) into heartdef.
if age<=15 heartdef=-1.
VARIABLE LABELS heartdef "(D) Doctor diagnosed heart attack".
VALUE LABELS heartdef 1 "Yes" 2 "No".
```

### STRODEF: (D) Doctor diagnosed stroke

- 1 Yes
- 2 No

### SPSS Syntax

```
RECODE docstro (-1=2)(else=copy) into strodef.
if age<=15 strodef=-1.
VARIABLE LABELS strodef "(D) Doctor diagnosed stroke".
VALUE LABELS strodef 1 "Yes" 2 "No".
```

### STROIHD: (D) Doctor diagnosed IHD or stroke

- 1 Yes
- 2 No

### SPSS syntax

```
compute stroihd=ihdis.  
IF (strodef=1) stroihd=1.  
IF (ihdis=2) and (strodef<0) stroihd = strodef.  
Var label stroihd "(D) Doctor Diagnosed IHD or stroke".  
Val label stroihd 1 "Yes" 2 "No".
```

### LDASP: (D) Low dose aspirin (new version)

- 0 Not taking drug
- 1 Taking drug

### SPSS syntax

```
DO REPEAT xxdrug=ldasp.  
COMPUTE xxdrug=0.  
RECODE medcnjd(-9 thru -1=COPY) INTO xxdrug.  
END REPEAT.  
DO REPEAT xxcode=medbi01 medbi02 medbi03 medbi04 medbi05 medbi06 medbi07 medbi08 medbi09 medbi10  
medbi11 medbi12 medbi13 medbi14 medbi15 medbi16 medbi17 medbi18 medbi19 medbi20 medbi21 medbi22.  
IF ANY(xxcode,20900,21001) ldasp=1.  
END REPEAT.  
IF ldasp=-1 and (medcnj=2 or medcnj=3) ldasp=0.  
VARIABLE LABELS ldasp "(D) Low-dose aspirin (new version)".  
VALUE LABELS ldasp  
0 'Not taking drug'  
1 'Taking drug'.
```

### CVDIAHY: (D) IHD/stroke or HT/DM or none (new version)

- 7 BP refused, not attempted or attempted but not obtained
- 1 IHD or stroke
- 2 HT or DM but no IHD/stroke
- 3 None of these

### SPSS syntax

```
compute cvdiahy=-5.  
if cvdis=1 cvdiahy=1.  
DO IF cvdis=2.  
IF (diabete2=1) | (hyl40om2=2) | (hyl40om2=3) | (hyl40om2=4) cvdiahy=2.  
end if.  
if cvdis=2 and diabete2=2 and hyl40om2=1 cvdiahy=3.  
if (cvdis=-8 or cvdis=-9) and cvdiahy=-5 cvdiahy=cvdis.  
if (diabete2=-8 or diabete2=-9) and cvdiahy=-5 cvdiahy=diabete2.  
if (hyl40om2=-9 or hyl40om2=-7) and cvdiahy=-5 cvdiahy=hyl40om2.  
recode cvdiahy (-5=-1).  
Var label cvdiahy "(D) IHD/stroke or HT/DM or none (new version)".  
Val label cvdiahy -1 'Not applicable' -7 'BP refused, not attempted or attempted but not obtained' -8  
"Don't know"  
-9 'Refusal' 1 "IHD or stroke" 2 "HT or DM but no IHD/stroke" 3 "None of these".
```

### CVDCON: (D) IHD/stroke but no IHD/None

- 1 IHD
- 2 Stroke but no IHD
- 3 None of these

### SPSS syntax

```
missing values ihdis strodef ().  
compute cvdcon=ihdis.  
if ihdis = 2 and strodef = 1 cvdcon=2.  
if ihdis = 2 and strodef = 2 cvdcon=3.  
if ihdis = 2 and strodef<0 cvdcon = strodef.  
Var label cvdcon "(D) IHD / stroke but no IHD / None".  
Val label cvdcon 1 "IHD" 2 "Stroke but no IHD" 3 "None of these".
```

### CVDCON5: (D) Five CVD conditions (new version)

- 7 BP refused, not attempted or attempted but not obtained
- 1 IHD
- 2 Stroke but no IHD
- 3 Diabetes but no IHD/stroke
- 4 HT but no DM/IHD/stroke
- 5 None of these

### SPSS syntax

```
compute cvdcon5=-5.  
if ihdis2=1 cvdcon5=1.  
do if ihdis2=2.
```

```

if strodef=1 cvdcon5=2.
if strodef=2 and diabete2=1 cvdcon5=3.
if strodef=2 and diabete2=2 and ((hy140om2=2)|(hy140om2=3)|(hy140om2=4)) cvdcon5=4.
end if.
if ihdis2=2 and strodef=2 and diabete2=2 and hy140om2=1 cvdcon5=5.
exe.
if (ihdis2=-8 or ihdis2=-9) and cvdcon5=-5 cvdcon5=ihdis2.
if (strodef=-8 or strodef=-9) and cvdcon5=-5 cvdcon5=strodef.
if (diabete2=-8 or diabete2=-9) and cvdcon5=-5 cvdcon5=diabete2.
if (hy140om2=-9 or hy140om2=-7) and cvdcon5=-5 cvdcon5=hy140om2.
recode cvdcon5 (-5=-1).
Var label cvdcon5 "(D) Five CVD Conditions (new version)".
Val label cvdcon5 -7 'BP refused, not attempted or attempted but not obtained'
1 "IHD" 2 "Stroke but no IHD" 3 "Diabetes but no IHD/Stroke" 4 "HT but no DM/IHD/Stroke" 5 "None of
these".

```

## Diabetes

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

- 1 Yes
- 2 No

#### SPSS syntax

```

RECODE docinfo1 (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO diabete2.
IF (sex=2 & nopregdi=2) diabete2=2.
IF (ANY(-9,docinfo1,pregdi,nopregdi)) diabete2=-9.
IF (ANY(-8, docinfo1,pregdi,nopregdi)) diabete2=-8.
if age<=15 diabete2=-1.
VARIABLE LABEL 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 docinfo1 (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO diabete2r.
IF (sex=2 & nopregdi=2) diabete2r=2.
IF (ANY(-9, docinfo1,pregdi)) diabete2r=-9.
IF (ANY(-8, docinfo1,pregdi)) diabete2r=-8.
IF everdi<0 diabete2r=everdi.
if age<=15 diabete2r=-1.
VARIABLE LABEL 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 (ageinfo1< 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 (ageinfo1< 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 diabetes3.
if glyhbval>0 and diabetes2 = 1 diabetes3 = 2.
if diabetes2<0 diabetes3 = diabetes2.
add value labels diabetes3
  1 "No diabetes"
  2 "Doctor diagnosed diabetes"
  3 "Undiagnosed diabetes HbA1c>=6.5".
var label diabetes3 "(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 diabetes3r.
if glyhbval>0 and diabetes2r = 1 diabetes3r = 2.
if diabetes2r<0 diabetes3r = diabetes2r.
add value labels diabetes3r
  1 "No diabetes"
  2 "Doctor diagnosed diabetes"
  3 "Undiagnosed diabetes HbA1c>=6.5".
var label diabetes3r "(D) Diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}".
```

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

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

#### SPSS syntax

```
recode diabetes3 (3=2) (else = copy) into diabt看ot.
add value labels diabt看ot
  1 "No diabetes"
  2 "Doctor diagnosed diabetes and or HbA1c >=6.5".
var label diabt看ot "(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 diabetes3r (3=2) (else = copy) into diabt看otr.
add value labels diabt看otr
  1 "No diabetes"
  2 "Doctor diagnosed diabetes and or HbA1c >=6.5".
var label diabt看otr "(D) Total diabetes from blood sample or doctor diagnosis (excluding pregnancy-only diabetes) {revised}".
```

## Heart murmur

---

MURMUR1: (D) Doctor diagnosed heart murmur (excluding pregnant)

- 1 Yes
- 2 No

### **SPSS syntax**

```
RECODE murdoc (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO murmur1.  
IF (sex=2 & pregmur1=2) murmur1=2.  
IF (ANY(-9,murdoc,pregmur, pregmur1)) murmur1=-9.  
IF (ANY(-8,murdoc,pregmur, pregmur1)) murmur1=-8.  
if age<=15 murmur1=-1.  
VARIABLE LABEL murmur1 "(D) Doctor diagnosed heart murmur (excluding pregnant)".  
VALUE LABELS murmur1  
  1 "Yes"  
  2 "No".
```

## Other CVD

---

IREGDEF: (D) Doctor diagnosed irregular heart rhythm

- 1 Yes
- 2 No

### **SPSS syntax**

```
RECODE docireg (-1=2)(else=copy) into iregdef.  
if age<=15 iregdef=-1.  
VARIABLE LABELS iregdef "(D) Doctor diagnosed irregular heart rhythm".  
VALUE LABELS iregdef  
  1 "Yes"  
  2 "No".
```

OHTDEF: (D) Doctor diagnosed other heart condition

- 1 Yes
- 2 No

### **SPSS syntax**

```
RECODE docoht (-1=2)(else=copy) into ohtdef.  
if age<=15 ohtdef=-1.  
VARIABLE LABELS ohtdef "(D) Doctor diagnosed other heart condition".  
VALUE LABELS ohtdef 1 "Yes" 2 "No".
```

# Drinking

## Adults General

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

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

### SPSS Syntax

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

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

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

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

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

### SPSS Syntax

```
COMPUTE d7unitwg=0.
IF (nberqhp7>0) d7unitwg=d7unitwg+nberqhp7.
IF (nberqsm7>0) d7unitwg=d7unitwg+nberqsm7*1.5.
IF (nberqlg7>0) d7unitwg=d7unitwg+nberqlg7*2.
IF (nberqbt7>0) d7unitwg=d7unitwg+nberqbt7*norbot.
IF (nberqpt7>0) d7unitwg=d7unitwg+nberqpt7*2.
IF (sberqhp7>0) d7unitwg=d7unitwg+sberqhp7*2.
IF (sberqpt7>0) d7unitwg=d7unitwg+sberqpt7*4.
IF (sberqsm7>0) d7unitwg=d7unitwg+sberqsm7*2.
IF (sberqbt7>0) d7unitwg=d7unitwg+sberqbt7*strbot.
IF (sberqlg7>0) d7unitwg=d7unitwg+sberqlg7*3.
IF (spirqme7>0) d7unitwg=d7unitwg+spirqme7.
IF (sherqgs7>0) d7unitwg=d7unitwg+sherqgs7.
IF (wgl250ml>0) d7unitwg=d7unitwg+wgl250ml*3.0.
IF (wgl175ml>0) d7unitwg=d7unitwg+wgl175ml*2.0.
IF (wgl125ml>0) d7unitwg=d7unitwg+wgl125ml*1.5.
IF (wbtlgz>0) d7unitwg=d7unitwg+wbtlgz*1.5.
IF (popsqsm7>0) d7unitwg=d7unitwg+popsqsm7*1.5.
IF (popsqlg7>0) d7unitwg=d7unitwg+popsqlg7*3.
IF ANY (-9,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
  sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
  wgl250ml,wgl175ml,wgl125ml,wl7bt, popsqsm7,popsqlg7) d7unitwg=-9.
IF ANY (-8,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
  sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
  wgl250ml,wgl175ml,wgl125ml,wl7bt, popsqsm7,popsqlg7) d7unitwg=-8.
IF ANY (-6,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
  sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
```

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

```

wglsl250ml,wglsl175ml,wglsl125ml,wl7bt, popsqsm7,popsqslg7) d7unitwg=-6.
IF any(d7day,2,-1) d7unitwg=-1.
VARIABLE LABEL d7unitwg"(D) NEW Units drunk on heaviest day in last 7 (16yrs+)".

recode d7unitwg (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 .
variable label d7unitwgrp "(D) NEW units drunk on heaviest day in last 7 (grouped)(16yrs+)".
value labels d7unitwgrp
  1 "Up to and including 2"
  2 "Over 2 and up to (& including) 3"
  3 "Over 3 and up to (& including) 4"
  4 "Over 4 and up to (& including) 5"
  5 "Over 5 and up to (& including) 6"
  6 "Over 6 and up to (& including) 8"
  7 "Over 8+".

```

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

#### SPSS Syntax

```

Compute d7many3=d7many.
if any(2,dnany,d7day) d7many3=0.
if dnoft2=8 d7many3=0.
variable labels d7many3 "(D) Number of days drank in last week, including none".

```

### WDRINK07B : (D) NEW Women number of units

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

#### SPSS syntax

```

compute wdrink07B=-5.
DO if sex=2.
recode d7unitwgrp (6 thru 7=3)(3 thru 5=2)(1 thru 2=1)
(else=copy) into wdrink07B.
recode d7many3 (0=0) into wdrink07B.
END if.
variable labels wdrink07B "(D) NEW Women number of units".
value labels wdrink07B
-5 'Men'
0 'None'
1 'Up to and including 3 units'
2 'Greater than 3 and less than or equal to 6 units'
3 'Greater than 6 units'.

```

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

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

#### SPSS syntax

```

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

```

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

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

### SPSS Syntax

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

## Adult 12 months

NBEERWU: (D) Units of normal beer/week

SNBEERWU: (D) Units of strong beer/week

SPIRWU: (D) Units of spirits/week

SHERWU: (D) Units of sherry/week

WINEWU: (D) Units of wine/week

POPSWU: (D) Units of alcopops/week

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

### SPSS Syntax

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

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

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

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

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

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

* normal beer.
*CAPI and self-comp quantities differ .
```

```

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

* strong beer.
*CAPI and self-comp quantities differ .

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

* spirits.

COMPUTE spirwu=0.
if (spiritsq>0) spirwu=spirwu+(xspir*spiritsq).
if (scspirq>0) spirwu=spirwu+(xspir*scspirq).
exe.

* sherry.

COMPUTE sherwu=0.
if (sherryq>0) sherwu=sherwu+(xsher*sherryq).
if (scsherrq>0) sherwu=sherwu+(xsher*scsherrq).
exe.

compute winewu=0 .
*CAPI variables .
if bwineq2=1 winewu=winewu+(xwine*wineq1*1.5) .
if bwineq2=2 winewu=winewu+(xwine*wineq2*2) .
if bwineq2=3 winewu=winewu+(xwine*wineq3*3) .
if bwineq2=4 winewu=winewu+(xwine*wineq4*9) .
if bwineq2=5 winewu=winewu+(xwine*wineq5*2) .
*self-comp variables .
if (scwineq1>0) winewu=winewu+(xwine*scwineq1*1.5) .
if (scwineq2>0) winewu=winewu+(xwine*scwineq2*2) .
if (scwineq3>0) winewu=winewu+(xwine*scwineq3*3) .
if (scwineq4>0) winewu=winewu+(xwine*scwineq4*9) .
exe.

COMPUTE popswu=0.
*CAPI variables .
if (popsly11>0) popswu=popswu+(xpops*popsq11*1.5).
if (popsly12>0) popswu=popswu+(xpops*popsq12*1.5).
if (popsly13>0) popswu=popswu+(xpops*popsq13*3).
*self-comp variables .
if (scpopsq1>0) popswu=popswu+(xpops*scpopsq1*3).
if (scpopsq2>0) popswu=popswu+(xpops*scpopsq2*1.5).
if (scpopsq3>0) popswu=popswu+(xpops*scpopsq3*1.5).
exe.

DO IF dnnow=-9 | dnany=-9.
DO REPEAT xmiss=nbeerwu sbeerwu spirwu sherwu winewu popswu.
COMPUTE xmiss=-9.
END REPEAT.
END IF.

DO IF dnnow=-8 | dnany=-8.
DO REPEAT xmiss=nbeerwu sbeerwu spirwu sherwu winewu popswu.
COMPUTE xmiss=-8.
END REPEAT.
END IF.

* set alcohol type totals to missing if any of the measures are missing.

IF ANY(-9,nbeer,nbeerm1,nbeerm2, nbeerm3, nbeerm4, nbeerq1, nbeerq2, nbeerq3, nbeerq4) nbeerwu=-9.
IF ANY(-8,nbeer,nbeerm1,nbeerm2, nbeerm3, nbeerm4, nbeerq1, nbeerq2, nbeerq3, nbeerq4) nbeerwu=-8.
if any (-9, scnbeer, scnbeeq1, scnbeeq2, scnbeeq3) nbeerwu=-9 .
if any (-8, scnbeer, scnbeeq1, scnbeeq2, scnbeeq3) nbeerwu=-8 .

IF ANY(-9,sbeer,sbeerm1,sbeerm2, sbeerm3, sbeerm4, sbeerq1, sbeerq2, sbeerq3, sbeerq4) sbeerwu=-9.
IF ANY(-8,sbeer,sbeerm1,sbeerm2, sbeerm3, sbeerm4, sbeerq1, sbeerq2, sbeerq3, sbeerq4) sbeerwu=-8.

```

```

if any (-9, scsbeer, scsbeeql, scsbee2, scsbee3) sbeerwu=-9 .
if any (-8, scsbeer, scsbeeql, scsbee2, scsbee3) sbeerwu=-8 .

IF ANY(-9,spirits,spiritsq) spirwu=-9.
IF ANY(-8,spirits,spiritsq) spirwu=-8.
IF ANY(-9,scspirit,scspirq) spirwu=-9.
IF ANY(-8,scspirit,scspirq) spirwu=-8.

IF ANY(-9,sherry,sherryq) sherwu=-9.
IF ANY(-8,sherry,sherryq) sherwu=-8.
IF ANY(-9,scsherry,scsherrq) sherwu=-9.
IF ANY(-8,scsherry,scsherrq) sherwu=-8.

IF ANY(-9,wine,bwineq2,wineq) winewu=-9.
IF ANY(-8,wine,bwineq2,wineq) winewu=-8.
IF ANY(-9,scwine,scwineq1, scwineq2, scwineq3, scwineq4) winewu=-9.
IF ANY(-8,scwine,scwineq1, scwineq2, scwineq3, scwineq4) winewu=-8.

IF ANY(-9,pops,popsly11,popsly12,popsly13,popsq11,popsq112,popsq113) popswu=-9.
IF ANY(-8,pops,popsly11,popsly12,popsly13,popsq11,popsq112,popsq113) popswu=-8.
IF ANY(-9,scpops,scpopsq1,scpopsq2,scpopsq3) popswu=-9.
IF ANY(-8,scpops,scpopsq1,scpopsq2,scpopsq3) popswu=-8.
exe.

*only valid for adults aged over 16 .
if irndage<16 nbeerwu=-1 .
if irndage<16 sbeerwu=-1 .
if irndage<16 spirwu=-1 .
if irndage<16 sherwu=-1 .
if irndage<16 winewu=-1 .
if irndage<16 popswu=-1 .
exe .

format nbeerwu sbeerwu spirwu sherwu winewu popswu (F3.2).
VARIABLE LABELS
  nbeerwu "(D) Units of normal beer/week"
  sbeerwu "(D) Units of strong beer/week"
  spirwu "(D) Units of spirits/week"
  sherwu "(D) Units of sherry/week"
  winewu "(D) Units of wine/week"
  popswu "(D) Units of alcopops/week".
exe.

```

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

### SPSS Syntax

```

COMPUTE totalwu=0.
IF (nbeerwu>0) totalwu=totalwu+nbeerwu.
IF (sbeerwu>0) totalwu=totalwu+sbeerwu.
IF (spirwu>0) totalwu=totalwu+spirwu.
IF (sherwu>0) totalwu=totalwu+sherwu.
IF (winewu>0) totalwu=totalwu+winewu.
IF (popswu>0) totalwu=totalwu+popswu.
IF ANY(-9,nbeerwu,sbeerwu,spirwu,sherwu,winewu,popswu) totalwu=-9.
IF ANY(-8,nbeerwu,sbeerwu,spirwu,sherwu,winewu,popswu) totalwu=-8.
IF ANY(-1,nbeerwu,sbeerwu,spirwu,sherwu,winewu,popswu) totalwu=-1.
IF irndage<16 totalwu=-1.
VARIABLE LABEL totalwu "(D) Total units of alcohol/week".
FORMATS totalwu (F3.2).

```

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

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

### SPSS Syntax

```

RECODE totalwu (0=3) (0 thru 0.5=4) (0.5 thru 7=5) (7 thru 10=6) (10 thru 14=7) (14 thru 21=8)
(21 thru 28=9) (28 thru 35=10) (35 thru 50=11) (50 thru hi=12) INTO alcbase.
exe.
RECODE dnevr(1=1) (2=2) INTO alcbase.
IF ANY(-9,totalwu,dnnw,dnany,dnevr) alcbase=-9.
IF ANY(-8,totalwu,dnnw,dnany,dnevr) alcbase=-8.

```

```

IF ANY(-1,totalwu,dnnw) alcbase=-1.

VARIABLE LABELS alcbase "(D) Alcohol consumption rating units/week".
VALUE LABELS alcbase
  1 "Never drank"
  2 "Ex-drinker"
  3 "Trivial drinker"
  4 "Non-zero, but under 1"
  5 "1-7"
  6 "Over 7-10"
  7 "Over 10-14"
  8 "Over 14-21"
  9 "Over 21-28"
  10 "Over 28-35"
  11 "Over 35-50"
  12 "Over 50"

```

### TOTALWUG: (D) Total unit so of alcohol/week grouped

- 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

#### SPSS Syntax

```

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

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

```

### ALCBSMT: (D) Alcohol consumption: men

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

#### SPSS Syntax

```

DO IF (sex=1).
RECODE alcbase (1=1) (2=2) (3 thru 4=3) (5 thru 6=4) (7 thru 8=5) (9 thru 10=6)
  (11=7) (12=8) (10 thru -1=COPY) INTO alcbst .
END IF .
IF (sex=2) alcbst=-1 .
VARIABLE LABELS alcbst "(D) Alcohol consumption: men" .
VALUE LABELS alcbst
  1 'Never drunk alcohol'
  2 'Ex-drinker'
  3 'Under 1 per week'
  4 'Over 1-10'
  5 'Over 10-21'
  6 'Over 21-35'
  7 'Over 35-50'
  8 'Over 50 units per week'.

```

## ALCBSWT: (D) Alcohol consumption: women

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

### SPSS Syntax

```
DO IF (sex=2).
RECODE alcbase (1=1) (2=2) (3 thru 4=3) (5=4) (6 thru 7=5) (8=6) (9 thru 10=7)
      (11 thru 12=8) (lo thru -1=COPY) INTO alcbswt .
END IF .
IF (sex=1) alcbswt=-1 .
VARIABLE LABELS alcbswt "(D) Alcohol consumption: women" .
VALUE LABELS alcbswt
  1 'Never drunk alcohol'
  2 'Ex-drinker'
  3 'Under 1 per week'
  4 'Over 1-7'
  5 'Over 7-14'
  6 'Over 14-21'
  7 'Over 21-35'
  8 'Over 35'.
```

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

- 0 Non-drinker/not in the last 12 months
- 1 Under 1 per week
- 2 Over 1-10
- 3 Over 10-21
- 4 Over 21-35
- 5 Over 35-50
- 6 Over 50 units per week

### SPSS Syntax

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

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

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

### SPSS Syntax

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

## Children 13-15

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

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

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

### SPSS Syntax

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

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

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

### SPSS Syntax

```
COMPUTE xxber2q = 0 .
RECODE aber2w (-2=-2) (-1,-9,2=-1) (-6=-6) INTO xxber2q.
IF (aber2w = 1 & aber2qpt > 0) xxber2q = xxber2q + (aber2qpt * 2) .
IF (aber2w = 1 & aber2qlg > 0) xxber2q = xxber2q + (aber2qlg * 2) .
IF (aber2w = 1 & aber2qsm > 0) xxber2q = xxber2q + aber2qsm .
IF (xxber2q=0) xxber2q=-9.

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).
IF (apopsw = 1 & apopsqlg > 0) xxpopsq = xxpopsq + (apopsqlg*3).
IF (xxpopsq =0) xxpopsq =-9.

** use scratch variables to store means for dk values.
COMPUTE xxber2q2 = xxber2q .
COMPUTE xxpopsq2 = xxpopsq .
COMPUTE xxspirq = aspirqgs .
COMPUTE xxsherq = asherqgs .
COMPUTE xxwineq = awineqgs .

** replace missing data with mean for sex.
IF (xxber2q = -9 & sex = 1) xxber2q2 = 4.31.
IF (xxber2q = -9 & sex = 2) xxber2q2 = 2.2.
IF (ANY(aspirqgs,-9,0) & sex = 1) xxspirq = 2.5.
IF (ANY(aspirqgs,-9,0) & sex = 2) xxspirq = 1.83.
IF (ANY(asherqgs,-9,0) & sex = 1) xxsherq = 1.
*IF (ANY(asherqgs,-9,0) & sex = 2) xxsherq = 1.50.
IF (ANY(awineqgs,-9,0) & sex = 1) xxwineq = 1.
IF (ANY(awineqgs,-9,0) & sex = 2) xxwineq = 1.5.
IF (xxpopsq = -9 & sex = 1) xxpopsq2 = 5.
```

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

```

IF (xxpopsq = -9 & sex = 2) xxpopsq2 = 3.75.

**derive adrinkwq for 13-15 year olds only.
COMPUTE adrinkwq08= 0 .
RECODE adrlast(-2=-2) (-9=-1) (-6=-6) INTO adrkqw08.
IF age>15 or age<13 adrkqw08=-2.
IF (aber2w=-9 & aspirw=-9 & asherw=-9 & awinew=-9 & apopsw=-9) adrkqw08=-9.
IF (aber2w=-2 & aspirw=-2 & asherw=-2 & awinew=-2 & apopsw=-2) adrkqw08=-2.
IF (adrlast=-1 and adrprop=-9 and (age>=13 and age<=15)) adrkqw08=-9.
IF (aber2w = 1 & xxber2q2 > 0) adrkqw08= adrkqw08+ xxber2q2 .
IF (aspirw = 1 & xxspirq > 0) adrkqw08= adrkqw08+ xxspirq .
IF (asherw = 1 & xxsherq > 0) adrkqw08= adrkqw08+ xxsherq .
IF (awinew = 1 & xxwineq > 0) adrkqw08= adrkqw08+ xxwineq .
IF (apopsw = 1 & xxpopsq2 > 0) adrkqw08= adrkqw08+ xxpopsq2 .
VARIABLE LABEL adrkqw08 "(D) Total units of alcohol in last 7 days (13-15yrs)".

```

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

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

### SPSS syntax

```

Compute adrkqw08g=adrkqw08.
IF adrkqw08>0 and adrkqw08<1 adrkqw08g=1.
IF adrkqw08>=1 and adrkqw08<2 adrkqw08g=2.
IF adrkqw08>=2 and adrkqw08<4 adrkqw08g=3.
IF adrkqw08>=4 and adrkqw08<6 adrkqw08g=4.
IF adrkqw08>=6 and adrkqw08<10 adrkqw08g=5.
IF adrkqw08>=10 and adrkqw08<15 adrkqw08g=6.
IF adrkqw08>=15 adrkqw08g=7.
IF adrkqw08<0 adrkqw08g=adrkqw08.
var lab adrkqw08g "(D) total units of alcohol in last 7 days (13-15yrs)".
val lab adrkqw08g
-2 'Schedule Not Applicable'
-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".

```

# Drinking diary

## Total drinking from diary

DDUNITWG1: (D) Units of alcohol drunk on day 1 of drinking diary

DDUNITWG2: (D) Units of alcohol drunk on day 2 of drinking diary

DDUNITWG3: (D) Units of alcohol drunk on day 3 of drinking diary

DDUNITWG4: (D) Units of alcohol drunk on day 4 of drinking diary

DDUNITWG5: (D) Units of alcohol drunk on day 5 of drinking diary

DDUNITWG6: (D) Units of alcohol drunk on day 6 of drinking diary

DDUNITWG7: (D) Units of alcohol drunk on day 7 of drinking diary

-5 Did not drink on this day

### SPSS Syntax

```
** Day 1
compute wine250_1=0.
if ddwwin1>=0 wine250_1=ddwwin1+ddrwin1+ddrosel+ddsprk1.
compute wine175_1=0.
if ddwwinst>=0 wine175_1=ddwwinst+ddrwinst+ddroset+ddsprkst.
compute wine125_1=0.
if ddwwinsm>=0 wine125_1=ddwwinsm+ddrwinm+ddrosesm+ddsprksm.
compute winebottle_1=0.
if ddwwinb>=0 winebottle_1=ddwwinb+ddrwinb+ddroseb+ddsprkb.

do if ddanyalc=1.
compute ddunitwg1=0.
if ddnbee1>=0 ddunitwg1=ddunitwg1+ddnbee1*2.
if ddnbee2>=0 ddunitwg1=ddunitwg1+ddnbee2*2.
if ddnbee3>=0 ddunitwg1=ddunitwg1+ddnbee3*1.5.
if ddsbee1>=0 ddunitwg1=ddunitwg1+ddsbee1*4.
if ddsbee2>=0 ddunitwg1=ddunitwg1+ddsbee2*3.
if ddsbee3>=0 ddunitwg1=ddunitwg1+ddsbee3*2.
if wine250_1>=0 ddunitwg1=ddunitwg1+wine250_1*3.
if wine175_1>=0 ddunitwg1=ddunitwg1+wine175_1*2.
if wine125_1>=0 ddunitwg1=ddunitwg1+wine125_1*1.5.
if winebottle_1>=0 ddunitwg1=ddunitwg1+winebottle_1*9.
if ddsprg1>=0 ddunitwg1=ddunitwg1+ddsprg1.
if ddsheg1>=0 ddunitwg1=ddunitwg1+ddsheg1.
if ddpopsm>=0 ddunitwg1=ddunitwg1+ddpopsm*1.5.
if ddpopl>=0 ddunitwg1=ddunitwg1+ddpoplg*3.
end if.
if ddanyalc=-9 ddunitwg1=-9.
if ddanyalc=-1 ddunitwg1=-1.
if ddanyalc=2 ddunitwg1=-5.
variable labels ddunitwg1 '(D) Units of alcohol drunk on day 1 of drinking diary'.
add value labels ddunitwg1 -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.

** Day 2
compute wine250_2=0.
if ddwwin2>=0 wine250_2=ddwwin2+ddrwin2+ddrosel2+ddsprk12.
compute wine175_2=0.
if ddwwins2>=0 wine175_2=ddwwins2+ddrwin2+ddroses2+ddsprks2.
compute wine125_2=0.
if ddwwins3>=0 wine125_2=ddwwins3+ddrwin3+ddroses3+ddsprks3.
compute winebottle_2=0.
if ddwwinb2>=0 winebottle_2=ddwwinb2+ddrwinb2+ddroseb2+ddsprkb2.

do if ddanyal2=1.
compute ddunitwg2=0.
if ddnbee4>=0 ddunitwg2=ddunitwg2+ddnbee4*2.
if ddnbee5>=0 ddunitwg2=ddunitwg2+ddnbee5*2.
if ddnbee6>=0 ddunitwg2=ddunitwg2+ddnbee6*1.5.
if ddsbee4>=0 ddunitwg2=ddunitwg2+ddsbee4*4.
if ddsbee5>=0 ddunitwg2=ddunitwg2+ddsbee5*3.
if ddsbee6>=0 ddunitwg2=ddunitwg2+ddsbee6*2.
if wine250_2>=0 ddunitwg2=ddunitwg2+wine250_2*3.
if wine175_2>=0 ddunitwg2=ddunitwg2+wine175_2*2.
if wine125_2>=0 ddunitwg2=ddunitwg2+wine125_2*1.5.
if winebottle_2>=0 ddunitwg2=ddunitwg2+winebottle_2*9.
if ddsprg2>=0 ddunitwg2=ddunitwg2+ddsprg2.
if ddsheg2>=0 ddunitwg2=ddunitwg2+ddsheg2.
if ddpopsm2>=0 ddunitwg2=ddunitwg2+ddpopsm2*1.5.
if ddpopl2>=0 ddunitwg2=ddunitwg2+ddpoplg2*3.
```

```

end if.
exe.
if ddanyal2=-9 ddunitwg2=-9.
if ddanyal2=-1 ddunitwg2=-1.
if ddanyal2=2 ddunitwg2=-5.
add value labels ddunitwg2 -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwg2 '(D) Units of alcohol drunk on day 2 of drinking diary'.

** Day 3
compute wine250_3=0.
if ddwwinl3>=0 wine250_3=ddwwinl3+ddrwinl3+ddrosel3+ddsprkl3.
compute wine175_3=0.
if ddwwins4>=0 wine175_3=ddwwins4+ddrwin4+ddroses4+ddsprks4.
compute wine125_3=0.
if ddwwins5>=0 wine125_3=ddwwins5+ddrwin5+ddroses5+ddsprks5.
compute winebottle_3=0.
if ddwwinb3>=0 winebottle_3=ddwwinb3+ddrwinb3+ddroseb3+ddsprkb3.

do if ddanyal3=1.
compute ddunitwg3=0.
if ddnbee7>=0 ddunitwg3=ddunitwg3+ddnbee7*2.
if ddnbee8>=0 ddunitwg3=ddunitwg3+ddnbee8*2.
if ddnbee9>=0 ddunitwg3=ddunitwg3+ddnbee9*1.5.
if ddsbee7>=0 ddunitwg3=ddunitwg3+ddsbee7*4.
if ddsbee8>=0 ddunitwg3=ddunitwg3+ddsbee8*3.
if ddsbee9>=0 ddunitwg3=ddunitwg3+ddsbee9*2.
if wine250_3>=0 ddunitwg3=ddunitwg3+wine250_3*3.
if wine175_3>=0 ddunitwg3=ddunitwg3+wine175_3*2.
if wine125_3>=0 ddunitwg3=ddunitwg3+wine125_3*1.5.
if winebottle_3>=0 ddunitwg3=ddunitwg3+winebottle_3*9.
if ddsprg3>=0 ddunitwg3=ddunitwg3+ddsprg3.
if ddsheg3>=0 ddunitwg3=ddunitwg3+dsheg3.
if ddpopsm3>=0 ddunitwg3=ddunitwg3+ddpopsm3*1.5.
if ddpopl3>=0 ddunitwg3=ddunitwg3+ddpopl3*3.
end if.
if ddanyal3=-9 ddunitwg3=-9.
if ddanyal3=-1 ddunitwg3=-1.
if ddanyal3=2 ddunitwg3=-5.
add value labels ddunitwg3 -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
exe.
variable labels ddunitwg3 '(D) Units of alcohol drunk on day 3 of drinking diary'.

** Day 4
compute wine250_4=0.
if ddwwinl4>=0 wine250_4=ddwwinl4+ddrwinl4+ddrosel4+ddsprkl4.
compute wine175_4=0.
if ddwwins6>=0 wine175_4=ddwwins6+ddrwin6+ddroses6+ddsprks6.
compute wine125_4=0.
if ddwwins7>=0 wine125_4=ddwwins7+ddrwin7+ddroses7+ddsprks7.
compute winebottle_4=0.
if ddwwinb4>=0 winebottle_4=ddwwinb4+ddrwinb4+ddroseb4+ddsprkb4.

do if ddanyal4=1.
compute ddunitwg4=0.
if ddnbee10>=0 ddunitwg4=ddunitwg4+ddnbee10*2.
if ddnbee11>=0 ddunitwg4=ddunitwg4+ddnbee11*2.
if ddnbee12>=0 ddunitwg4=ddunitwg4+ddnbee12*1.5.
if ddsbee10>=0 ddunitwg4=ddunitwg4+ddsbee10*4.
if ddsbee11>=0 ddunitwg4=ddunitwg4+ddsbee11*3.
if ddsbee12>=0 ddunitwg4=ddunitwg4+ddsbee12*2.
if wine250_4>=0 ddunitwg4=ddunitwg4+wine250_4*3.
if wine175_4>=0 ddunitwg4=ddunitwg4+wine175_4*2.
if wine125_4>=0 ddunitwg4=ddunitwg4+wine125_4*1.5.
if winebottle_4>=0 ddunitwg4=ddunitwg4+winebottle_4*9.
if ddsprg4>=0 ddunitwg4=ddunitwg4+ddsprg4.
if ddsheg4>=0 ddunitwg4=ddunitwg4+dsheg4.
if ddpopsm4>=0 ddunitwg4=ddunitwg4+ddpopsm4*1.5.
if ddpopl4>=0 ddunitwg4=ddunitwg4+ddpopl4*3.
end if.
exe. if ddanyal4=-9 ddunitwg4=-9.
if ddanyal4=-1 ddunitwg4=-1.
if ddanyal4=2 ddunitwg4=-5.
add value labels ddunitwg4 -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwg4 '(D) Units of alcohol drunk on day 4 of drinking diary'.

** Day 5
compute wine250_5=0.
if ddwwinl5>=0 wine250_5=ddwwinl5+ddrwinl5+ddrosel5+ddsprkl5.
compute wine175_5=0.
if ddwwins8>=0 wine175_5=ddwwins8+ddrwin8+ddroses8+ddsprks8.
compute wine125_5=0.
if ddwwins9>=0 wine125_5=ddwwins9+ddrwin9+ddroses9+ddsprks9.
compute winebottle_5=0.
if ddwwinb5>=0 winebottle_5=ddwwinb5+ddrwinb5+ddroseb5+ddsprkb5.

do if ddanyal5=1.
compute ddunitwg5=0.

```

```

if ddnbee13>=0 ddunitwg5=ddunitwg5+ddnbee13*2.
if ddnbee14>=0 ddunitwg5=ddunitwg5+ddnbee14*2.
if ddnbee15>=0 ddunitwg5=ddunitwg5+ddnbee15*1.5.
if ddsbee13>=0 ddunitwg5=ddunitwg5+ddsbee13*4.
if ddsbee14>=0 ddunitwg5=ddunitwg5+ddsbee14*3.
if ddsbee15>=0 ddunitwg5=ddunitwg5+ddsbee15*2.
if wine250_5>=0 ddunitwg5=ddunitwg5+wine250_5*3.
if wine175_5>=0 ddunitwg5=ddunitwg5+wine175_5*2.
if wine125_5>=0 ddunitwg5=ddunitwg5+wine125_5*1.5.
if winebottle_5>=0 ddunitwg5=ddunitwg5+winebottle_5*9.
if ddsprg5>=0 ddunitwg5=ddunitwg5+ddsprg5.
if ddsberg5>=0 ddunitwg5=ddunitwg5+dsberg5.
if ddpopsm5>=0 ddunitwg5=ddunitwg5+ddpopsm5*1.5.
if ddpopl5>=0 ddunitwg5=ddunitwg5+ddpopl5*3.
end if.
if ddanya15=-9 ddunitwg5=-9.
if ddanya15=-1 ddunitwg5=-1.
if ddanya15=2 ddunitwg5=-5.
add value labels ddunitwg5 -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwg5 '(D) Units of alcohol drunk on day 5 of drinking diary'.

** Day 6
compute wine250_6=0.
if ddwwin16>=0 wine250_6=ddwwin16+ddrwin16+ddrosel6+ddsprk16.
compute wine175_6=0.
if ddwwin10>=0 wine175_6=ddwwin10+ddrwin10+ddrose10+ddsprk10.
compute wine125_6=0.
if ddwwin11>=0 wine125_6=ddwwin11+ddrwin11+ddrose11+ddsprk11.
compute winebottle_6=0.
if ddwwinb6>=0 winebottle_6=ddwwinb6+ddrwinb6+ddroseb6+ddsprkb6.

do if ddanya16=1.
compute ddunitwg6=0.
if ddnbee16>=0 ddunitwg6=ddunitwg6+ddnbee16*2.
if ddnbee17>=0 ddunitwg6=ddunitwg6+ddnbee17*2.
if ddnbee18>=0 ddunitwg6=ddunitwg6+ddnbee18*1.5.
if ddsbee16>=0 ddunitwg6=ddunitwg6+ddsbee16*4.
if ddsbee17>=0 ddunitwg6=ddunitwg6+ddsbee17*3.
if ddsbee18>=0 ddunitwg6=ddunitwg6+ddsbee18*2.
if wine250_6>=0 ddunitwg6=ddunitwg6+wine250_6*3.
if wine175_6>=0 ddunitwg6=ddunitwg6+wine175_6*2.
if wine125_6>=0 ddunitwg6=ddunitwg6+wine125_6*1.5.
if winebottle_6>=0 ddunitwg6=ddunitwg6+winebottle_6*9.
if ddsprg6>=0 ddunitwg6=ddunitwg6+ddsprg6.
if ddsberg6>=0 ddunitwg6=ddunitwg6+dsberg6.
if ddpopsm6>=0 ddunitwg6=ddunitwg6+ddpopsm6*1.5.
if ddpopl6>=0 ddunitwg6=ddunitwg6+ddpopl6*3.
end if.
if ddanya16=-9 ddunitwg6=-9.
if ddanya16=-1 ddunitwg6=-1.
if ddanya16=2 ddunitwg6=-5.
add value labels ddunitwg6 -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwg6 '(D) Units of alcohol drunk on day 6 of drinking diary'.

** Day 7
compute wine250_7=0.
if ddwwin17>=0 wine250_7=ddwwin17+ddrwin17+ddrosel7+ddsprk17.
compute wine175_7=0.
if ddwwin12>=0 wine175_7=ddwwin12+ddrwin12+ddrose12+ddsprk12.
compute wine125_7=0.
if ddwwin13>=0 wine125_7=ddwwin13+ddrwin13+ddrose13+ddsprk13.
compute winebottle_7=0.
if ddwwinb7>=0 winebottle_7=ddwwinb7+ddrwinb7+ddroseb7+ddsprkb7.

do if ddanya17=1.
compute ddunitwg7=0.
if ddnbee19>=0 ddunitwg7=ddunitwg7+ddnbee19*2.
if ddnbee20>=0 ddunitwg7=ddunitwg7+ddnbee20*2.
if ddnbee21>=0 ddunitwg7=ddunitwg7+ddnbee21*1.5.
if ddsbee19>=0 ddunitwg7=ddunitwg7+ddsbee19*4.
if ddsbee20>=0 ddunitwg7=ddunitwg7+ddsbee20*3.
if ddsbee21>=0 ddunitwg7=ddunitwg7+ddsbee21*2.
if wine250_7>=0 ddunitwg7=ddunitwg7+wine250_7*3.
if wine175_7>=0 ddunitwg7=ddunitwg7+wine175_7*2.
if wine125_7>=0 ddunitwg7=ddunitwg7+wine125_7*1.5.
if winebottle_7>=0 ddunitwg7=ddunitwg7+winebottle_7*9.
if ddsprg7>=0 ddunitwg7=ddunitwg7+ddsprg7.
if ddsberg7>=0 ddunitwg7=ddunitwg7+dsberg7.
if ddpopsm7>=0 ddunitwg7=ddunitwg7+ddpopsm7*1.5.
if ddpopl7>=0 ddunitwg7=ddunitwg7+ddpopl7*3.
end if.
if ddanya17=-9 ddunitwg7=-9.
if ddanya17=-1 ddunitwg7=-1.
if ddanya17=2 ddunitwg7=-5.
add value labels ddunitwg7 -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
exe.
variable labels ddunitwg7 '(D) Units of alcohol drunk on day 7 of drinking diary'.

```

## DDUNITWK: (D) Units of alcohol drunk over all 7 days of drinking diary

### SPSS Syntax

```
compute ddunitwk=0.
if ddunitwg1>0 ddunitwk=ddunitwg1.
if ddunitwg2>0 ddunitwk=ddunitwk+ddunitwg2.
if ddunitwg3>0 ddunitwk=ddunitwk+ddunitwg3.
if ddunitwg4>0 ddunitwk=ddunitwk+ddunitwg4.
if ddunitwg5>0 ddunitwk=ddunitwk+ddunitwg5.
if ddunitwg6>0 ddunitwk=ddunitwk+ddunitwg6.
if ddunitwg7>0 ddunitwk=ddunitwk+ddunitwg7.
exe.
recode ddunitwk (0=-1).
if (ddunitwg1=0 and ddunitwg2=0 and ddunitwg3=0 and ddunitwg4=0 and ddunitwg5=0 and ddunitwg6=0 and ddunitwg7=0) ddunitwk=0.
exe.
variable labels ddunitwk "(D) Units of alcohol drunk over all 7 days of drinking diary".
```

DDUNITWGA: (D) Units of alcohol drunk on Monday of drinking diary

DDUNITWGB: (D) Units of alcohol drunk on Tuesday of drinking diary

DDUNITWGC: (D) Units of alcohol drunk on Wednesday of drinking diary

DDUNITWGD: (D) Units of alcohol drunk on Thursday of drinking diary

DDUNITWGE: (D) Units of alcohol drunk on Friday of drinking diary

DDUNITWGF: (D) Units of alcohol drunk on Saturday of drinking diary

DDUNITWGG: (D) Units of alcohol drunk on Sunday of drinking diary

-5 Did not drink on this day

### SPSS Syntax

```
** Monday
compute wine250_a=0.
if ddwwinla>=0 wine250_a=ddwwinla+ddrwinla+ddrosela+ddsprkla.
compute wine175_a=0.
if DDWWiSta>=0 wine175_a=DDWWiSta+DDRWiSta+DDRosSta+DDSpkSta.
compute wine125_a=0.
if DDWWiSma>=0 wine125_a=DDWWiSma+DDRWiSma+DDRosSma+DDSpkSma.
compute winebottle_a=0.
if ddwwinba>=0 winebottle_a=DDWWinBA+DDRWinBA+DDRoseBA+DDSprkBA.

do if DDAnyAlA=1.
compute ddunitwga=0.
if ddnbee1a>=0 ddunitwga=ddunitwga+ddnbee1a*2.
if ddnbee2a>=0 ddunitwga=ddunitwga+ddnbee2a*2.
if ddnbee3a>=0 ddunitwga=ddunitwga+ddnbee3a*1.5.
if ddsbee1a>=0 ddunitwga=ddunitwga+ddsbee1a*4.
if ddsbee2a>=0 ddunitwga=ddunitwga+ddsbee2a*3.
if ddsbee3a>=0 ddunitwga=ddunitwga+ddsbee3a*2.
if wine250_a>=0 ddunitwga=ddunitwga+wine250_a*3.
if wine175_a>=0 ddunitwga=ddunitwga+wine175_a*2.
if wine125_a>=0 ddunitwga=ddunitwga+wine125_a*1.5.
if winebottle_a>=0 ddunitwga=ddunitwga+winebottle_a*9.
if ddspirga>=0 ddunitwga=ddunitwga+ddspirga.
if ddsherga>=0 ddunitwga=ddunitwga+ddsherga.
if ddpopsma>=0 ddunitwga=ddunitwga+ddpopsma*1.5.
if ddpoplga>=0 ddunitwga=ddunitwga+ddpoplga*3.
end if.
exe.
if DDAnyAlA=-9 ddunitwga=-9.
if DDAnyAlA=-1 ddunitwga=-1.
if DDAnyAlA=2 ddunitwga=-5.
add value labels ddunitwga -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwga '(D) Units of alcohol drunk on Monday of drinking diary'.

** Tuesday
compute wine250_b=0.
if ddwwinlb>=0 wine250_b=ddwwinlb+ddrwinlb+ddroselb+ddsprklb.
compute wine175_b=0.
if DDWWiStb>=0 wine175_b=DDWWiStb+DDRWiStb+DDRosStb+DDSpkStb.
compute wine125_b=0.
if DDWWiSmb>=0 wine125_b=DDWWiSmb+DDRWiSmb+DDRosSmb+DDSpkSmb.
compute winebottle_b=0.
if ddwwinbb>=0 winebottle_b=DDWWinBb+DDRWinBb+DDRoseBb+DDSprkBb.

do if DDAnyAlB=1.
```

```

compute ddunitwgb=0.
if ddnbee1b>=0 ddunitwgb=ddunitwgb+ddnbee1b*2.
if ddnbee2b>=0 ddunitwgb=ddunitwgb+ddnbee2b*2.
if ddnbee3b>=0 ddunitwgb=ddunitwgb+ddnbee3b*1.5.
if ddsbee1b>=0 ddunitwgb=ddunitwgb+ddsbee1b*4.
if ddsbee2b>=0 ddunitwgb=ddunitwgb+ddsbee2b*3.
if ddsbee3b>=0 ddunitwgb=ddunitwgb+ddsbee3b*2.
if wine250_b>=0 ddunitwgb=ddunitwgb+wine250_b*3.
if wine175_b>=0 ddunitwgb=ddunitwgb+wine175_b*2.
if wine125_b>=0 ddunitwgb=ddunitwgb+wine125_b*1.5.
if winebottle_b>=0 ddunitwgb=ddunitwgb+winebottle_b*9.
if ddsprigb>=0 ddunitwgb=ddunitwgb+ddsprigb.
if ddsheerbg>=0 ddunitwgb=ddunitwgb+ddsheerbg.
if ddpopsmb>=0 ddunitwgb=ddunitwgb+ddpopsmb*1.5.
if ddpoplgb>=0 ddunitwgb=ddunitwgb+ddpoplgb*3.
end if.
if DDAnyAlB=-9 ddunitwgb=-9.
if DDAnyAlB=-1 ddunitwgb=-1.
if DDAnyAlB=2 ddunitwgb=-5.
add value labels ddunitwgb -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwgb '(D) Units of alcohol drunk on Tuesday of drinking diary'.

** Wednesday
compute wine250_c=0.
if ddwwinlc>=0 wine250_c=ddwwinlc+ddrwinlc+ddroselc+ddsprklc.
compute wine175_c=0.
if DDWWiStc>=0 wine175_c=DDWWiStc+DDRWiStc+DDRosStc+DDSpkStc.
compute wine125_c=0.
if DDWWiSmc>=0 wine125_c=DDWWiSmc+DDRWiSmc+DDRosSmc+DDSpkSmc.
compute winebottle_c=0.
if ddwwinbc>=0 winebottle_c=DDWWinBc+DDRWinBc+DDRoseBc+DDSprkBc.

do if DDAnyAl8=1.
compute ddunitwgc=0.
if ddnbee1c>=0 ddunitwgc=ddunitwgc+ddnbee1c*2.
if ddnbee2c>=0 ddunitwgc=ddunitwgc+ddnbee2c*2.
if ddnbee3c>=0 ddunitwgc=ddunitwgc+ddnbee3c*1.5.
if ddsbee1c>=0 ddunitwgc=ddunitwgc+ddsbee1c*4.
if ddsbee2c>=0 ddunitwgc=ddunitwgc+ddsbee2c*3.
if ddsbee3c>=0 ddunitwgc=ddunitwgc+ddsbee3c*2.
if wine250_c>=0 ddunitwgc=ddunitwgc+wine250_c*3.
if wine175_c>=0 ddunitwgc=ddunitwgc+wine175_c*2.
if wine125_c>=0 ddunitwgc=ddunitwgc+wine125_c*1.5.
if winebottle_c>=0 ddunitwgc=ddunitwgc+winebottle_c*9.
if ddsprigc>=0 ddunitwgc=ddunitwgc+ddsprigc.
if ddsheergc>=0 ddunitwgc=ddunitwgc+ddsheergc.
if ddpopsmc>=0 ddunitwgc=ddunitwgc+ddpopsmc*1.5.
if ddpoplgc>=0 ddunitwgc=ddunitwgc+ddpoplgc*3.
end if.
if DDAnyAl8=-9 ddunitwgc=-9.
if DDAnyAl8=-1 ddunitwgc=-1.
if DDAnyAl8=2 ddunitwgc=-5.
add value labels ddunitwgc -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwgc '(D) Units of alcohol drunk on Wednesday of drinking diary'.

** Thursday
compute wine250_d=0.
if ddwwinld>=0 wine250_d=ddwwinld+ddrwinld+ddroseld+ddsprkld.
compute wine175_d=0.
if DDWWiStd>=0 wine175_d=DDWWiStd+DDRWiStd+DDRosStd+DDSpkStd.
compute wine125_d=0.
if DDWWiSmd>=0 wine125_d=DDWWiSmd+DDRWiSmd+DDRosSmd+DDSpkSmd.
compute winebottle_d=0.
if ddwwinbd>=0 winebottle_d=DDWWinBd+DDRWinBd+DDRosedBd+DDSprkBd.

do if DDAnyAl4=1.
compute ddunitwgd=0.
if ddnbee1d>=0 ddunitwgd=ddunitwgd+ddnbee1d*2.
if ddnbee2d>=0 ddunitwgd=ddunitwgd+ddnbee2d*2.
if ddnbee3d>=0 ddunitwgd=ddunitwgd+ddnbee3d*1.5.
if ddsbee1d>=0 ddunitwgd=ddunitwgd+ddsbee1d*4.
if ddsbee2d>=0 ddunitwgd=ddunitwgd+ddsbee2d*3.
if ddsbee3d>=0 ddunitwgd=ddunitwgd+ddsbee3d*2.
if wine250_d>=0 ddunitwgd=ddunitwgd+wine250_d*3.
if wine175_d>=0 ddunitwgd=ddunitwgd+wine175_d*2.
if wine125_d>=0 ddunitwgd=ddunitwgd+wine125_d*1.5.
if winebottle_d>=0 ddunitwgd=ddunitwgd+winebottle_d*9.
if ddsprigd>=0 ddunitwgd=ddunitwgd+ddsprigd.
if ddsheergd>=0 ddunitwgd=ddunitwgd+ddsheergd.
if ddpopsmd>=0 ddunitwgd=ddunitwgd+ddpopsmd*1.5.
if ddpoplgd>=0 ddunitwgd=ddunitwgd+ddpoplgd*3.
end if.
if DDAnyAl4=-9 ddunitwgd=-9.
if DDAnyAl4=-1 ddunitwgd=-1.
if DDAnyAl4=2 ddunitwgd=-5.
add value labels ddunitwgd -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
exe.
variable labels ddunitwgd '(D) Units of alcohol drunk on Thursday of drinking diary'.

```

```

** Friday
compute wine250_e=0.
if ddwwinle>=0 wine250_e=ddwwinle+ddrwinle+ddrosele+ddsprkle.
compute wine175_e=0.
if DDWWiSte>=0 wine175_e=DDWWiSte+DDRWiSte+DDRosSte+DDSpkSte.
compute wine125_e=0.
if DDWWiSme>=0 wine125_e=DDWWiSme+DDRWiSme+DDRosSme+DDSpkSme.
compute winebottle_e=0.
if ddwwinbe>=0 winebottle_e=DDWWinBe+DDRWinBe+DDRoseBe+DDSprkBe.

do if DDAnyAle=1.
compute ddunitwge=0.
if ddnbee1e>=0 ddunitwge=ddunitwge+ddnbee1e*2.
if ddnbee2e>=0 ddunitwge=ddunitwge+ddnbee2e*2.
if ddnbee3e>=0 ddunitwge=ddunitwge+ddnbee3e*1.5.
if ddsbee1e>=0 ddunitwge=ddunitwge+ddsbee1e*4.
if ddsbee2e>=0 ddunitwge=ddunitwge+ddsbee2e*3.
if ddsbee3e>=0 ddunitwge=ddunitwge+ddsbee3e*2.
if wine250_e>=0 ddunitwge=ddunitwge+wine250_e*3.
if wine175_e>=0 ddunitwge=ddunitwge+wine175_e*2.
if wine125_e>=0 ddunitwge=ddunitwge+wine125_e*1.5.
if winebottle_e>=0 ddunitwge=ddunitwge+winebottle_e*9.
if ddsprige>=0 ddunitwge=ddunitwge+ddsprige.
if ddsherge>=0 ddunitwge=ddunitwge+ddsherge.
if ddpopsme>=0 ddunitwge=ddunitwge+ddpopsme*1.5.
if ddpoplge>=0 ddunitwge=ddunitwge+ddpoplge*3.
end if.
if DDAnyAle=-9 ddunitwge=-9.
if DDAnyAle=-1 ddunitwge=-1.
if DDAnyAle=2 ddunitwge=-5.
add value labels ddunitwge -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
exe.
variable labels ddunitwge '(D) Units of alcohol drunk on Friday of drinking diary'.

** Saturday
compute wine250_f=0.
if ddwwinlf>=0 wine250_f=ddwwinlf+ddrwinlf+ddroselg+ddsprklf.
compute wine175_f=0.
if DDWWiStf>=0 wine175_f=DDWWiStf+DDRWiStf+DDRosStf+DDSpkStf.
compute wine125_f=0.
if DDWWiSmf>=0 wine125_f=DDWWiSmf+DDRWiSmf+DDRosSmf+DDSpkSmf.
compute winebottle_f=0.
if ddwwinbf>=0 winebottle_f=DDWWinBf+DDRWinBf+DDRoseBf+DDSprkBf.

do if DDAnyAlf=1.
compute ddunitwgf=0.
if ddnbee1f>=0 ddunitwgf=ddunitwgf+ddnbee1f*2.
if ddnbee2f>=0 ddunitwgf=ddunitwgf+ddnbee2f*2.
if ddnbee3f>=0 ddunitwgf=ddunitwgf+ddnbee3f*1.5.
if ddsbee1f>=0 ddunitwgf=ddunitwgf+ddsbee1f*4.
if ddsbee2f>=0 ddunitwgf=ddunitwgf+ddsbee2f*3.
if ddsbee3f>=0 ddunitwgf=ddunitwgf+ddsbee3f*2.
if wine250_f>=0 ddunitwgf=ddunitwgf+wine250_f*3.
if wine175_f>=0 ddunitwgf=ddunitwgf+wine175_f*2.
if wine125_f>=0 ddunitwgf=ddunitwgf+wine125_f*1.5.
if winebottle_f>=0 ddunitwgf=ddunitwgf+winebottle_f*9.
if ddsprigf>=0 ddunitwgf=ddunitwgf+ddsprigf.
if ddshergf>=0 ddunitwgf=ddunitwgf+ddshergf.
if ddpopsmf>=0 ddunitwgf=ddunitwgf+ddpopsmf*1.5.
if ddpoplgef>=0 ddunitwgf=ddunitwgf+ddpoplgef*3.
end if.
if DDAnyAlf=-9 ddunitwgf=-9.
if DDAnyAlf=-1 ddunitwgf=-1.
if DDAnyAlf=2 ddunitwgf=-5.
add value labels ddunitwgf -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwgf '(D) Units of alcohol drunk on Saturday of drinking diary'.

** Sunday
compute wine250_g=0.
if ddwwinlg>=0 wine250_g=ddwwinlg+ddrwinlg+ddroselg+ddsprklg.
compute wine175_g=0.
if DDWWiStg>=0 wine175_g=DDWWiStg+DDRWiStg+DDRosStg+DDSpkStg.
compute wine125_g=0.
if DDWWiSmg>=0 wine125_g=DDWWiSmg+DDRWiSmg+DDRosSmg+DDSpkSmg.
compute winebottle_g=0.
if ddwwinbg>=0 winebottle_g=DDWWinBg+DDRWinBg+DDRoseBg+DDSprkBg.

do if DDAnyAlg=1.
compute ddunitwgg=0.
if ddnbee1g>=0 ddunitwgg=ddunitwgg+ddnbee1g*2.
if ddnbee2g>=0 ddunitwgg=ddunitwgg+ddnbee2g*2.
if ddnbee3g>=0 ddunitwgg=ddunitwgg+ddnbee3g*1.5.
if ddsbee1g>=0 ddunitwgg=ddunitwgg+ddsbee1g*4.
if ddsbee2g>=0 ddunitwgg=ddunitwgg+ddsbee2g*3.
if ddsbee3g>=0 ddunitwgg=ddunitwgg+ddsbee3g*2.
if wine250_g>=0 ddunitwgg=ddunitwgg+wine250_g*3.

```

```

if wine175_g>=0 ddunitwgg=ddunitwgg+wine175_g*2.
if wine125_g>=0 ddunitwgg=ddunitwgg+wine125_g*1.5.
if winebottle_g>=0 ddunitwgg=ddunitwgg+winebottle_g*9.
if ddsprigg>=0 ddunitwgg=ddunitwgg+ddsprigg.
if ddshergg>=0 ddunitwgg=ddunitwgg+ddshergg.
if ddpopsmg>=0 ddunitwgg=ddunitwgg+ddpopsmg*1.5.
if ddpoplpg>=0 ddunitwgg=ddunitwgg+ddpoplpg*3.
end if.
if DDAnyAlg=-9 ddunitwgg=-9.
if DDAnyAlg=-1 ddunitwgg=-1.
if DDAnyAlg=2 ddunitwgg=-5.
add value labels ddunitwgg -9 'Refusal' -1 'Not applicable' -5 'Did not drink on this day'.
variable labels ddunitwgg '(D) Units of alcohol drunk on Sunday of drinking diary'.

```

**DDUNITWD: (D) Units of alcohol drunk over all 7 days of drinking diary (based on day of the week)**

#### SPSS Syntax

```

compute ddunitwd=0.
if ddunitwga>0 ddunitwd=ddunitwga.
if ddunitwgb>0 ddunitwd=ddunitwd+ddunitwgb.
if ddunitwgc>0 ddunitwd=ddunitwd+ddunitwgc.
if ddunitwgd>0 ddunitwd=ddunitwd+ddunitwgd.
if ddunitwge>0 ddunitwd=ddunitwd+ddunitwge.
if ddunitwgf>0 ddunitwd=ddunitwd+ddunitwgf.
if ddunitwgg>0 ddunitwd=ddunitwd+ddunitwgg.
recode ddunitwd (0=-1).
if (ddunitwga=0 and ddunitwgb=0 and ddunitwgc=0 and ddunitwgd=0 and ddunitwge=0 and ddunitwgf=0 and
ddunitwgg=0) ddunitwd=0.
variable labels ddunitwd "(D) Units of alcohol drunk over all 7 days of drinking diary (based on day of
the week)".

```

**DDAY1: (D) Day 1 units**

**DDAY2: (D) Day 2 units**

**DDAY3: (D) Day 3 units**

**DDAY4: (D) Day 4 units**

**DDAY5: (D) Day 5 units**

**DDAY6: (D) Day 6 units**

**DDAY7: (D) Day 7 units**

#### SPSS Syntax

```

do repeat xxx=ddunitwg1 ddunitwg2 ddunitwg3 ddunitwg4 ddunitwg5 ddunitwg6 ddunitwg7
/yyy=dday1 dday2 dday3 dday4 dday5 dday6 dday7.

compute yyy=xxx.
recode xxx(-5=0) into yyy.
end repeat.
execute.
FORMATS dday1 to dday7 (F3.2).
var lab dday1 '(D) Day 1 units' .
var lab dday2 '(D) Day 2 units' .
var lab dday3 '(D) Day 3 units' .
var lab dday4 '(D) Day 4 units' .
var lab dday5 '(D) Day 5 units' .
var lab dday6 '(D) Day 6 units' .
var lab dday7 '(D) Day 7 units' .

```

**DAYDONE: (D) Drinking diary days completed**

#### SPSS Syntax

```

count daydone =dday1 to dday7 (0 thru hi) .
if daydone<1 daydone=-9 .
exe.

var lab daydone '(D) Drinking diary days completed' .

```

## WEEKTOT: (D) Drinking diary: total units in week

### SPSS Syntax

```
compute weektot=-1 .
if dday1>=0 weektot=dday1 .
if dday2>=0 weektot=weektot+dday2 .
if dday3>=0 weektot=weektot+dday3 .
if dday4>=0 weektot=weektot+dday4 .
if dday5>=0 weektot=weektot+dday5 .
if dday6>=0 weektot=weektot+dday6 .
if dday7>=0 weektot=weektot+dday7 .
if daydone <7 weektot=-1 .
FORMATS weektot (F3.2) .
exe.

var lab weektot '(D) Drinking diary: total units in week' .
```

## DRDAYS: (D) Number of days drank alcohol

### SPSS Syntax

```
compute drdays=0.
if dday1>0 drdays=1 .
if dday2>0 drdays=drdays+1 .
if dday3>0 drdays=drdays+1 .
if dday4>0 drdays=drdays+1 .
if dday5>0 drdays=drdays+1 .
if dday6>0 drdays=drdays+1 .
if dday7>0 drdays=drdays+1 .
if weektot=0 drdays=0 .
if weektot<0 drdays=-1 .
if diary<>1 drdays=-1 .
var lab drdays (D) Number of days drank alcohol.
```

## HIDRINK: (D) Drinking diary: amount drunk on highest drinking day

### SPSS Syntax

```
compute hidrink=dday1 .
if dday2>hidrink hidrink=dday2 .
if dday3>hidrink hidrink=dday3 .
if dday4>hidrink hidrink=dday4 .
if dday5>hidrink hidrink=dday5 .
if dday6>hidrink hidrink=dday6 .
if dday7>hidrink hidrink=dday7 .
if weektot=0 hidrink=0 .
if weektot<0 hidrink=-1 .
var lab hidrink '(D) Drinking diary: amount drunk on highest drinking day' .
FORMATS hidrink (F3.2) .
```

## HIDRINKG: (D) Drinking diary: amount drunk on highest drinking day (grouped)

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

### SPSS Syntax

```
recode hidrink (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 hidrinkg .
variable label hidrinkg "(D) Drinking diary: highest drinking day units (grouped)".
value labels hidrinkg
  1 "Up to and including 2"
  2 "Over 2 and up to (& including) 3"
  3 "Over 3 and up to (& including) 4"
  4 "Over 4 and up to (& including) 5"
  5 "Over 5 and up to (& including) 6"
  6 "Over 6 and up to (& including) 8"
  7 "Over 8+" .
exe.
```

## HIWOMEN: (D) Drinking diary: women highest drinking day 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 hiwomen=-5.
DO if sex=2.
recode hidrinkg (6 thru 7=3)(3 thru 5=2)(1 thru 2=1) (else=copy) into hiwomen.
if drdays=0 hiwomen=0 .
END if.
variable labels hiwomen "(D) Drinking diary: women highest day units".
value labels hiwomen
-5 'Men'
0 'None'
1 'Up to and including 3 units'
2 'Greater than 3 and less than or equal to 6 units'
3 'Greater than 6 units'.
execute.
```

**HIMEN: (D) Drinking diary: men highest drinking day 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 himen=-5.
DO if sex=1.
recode hidrinkg (7=3)(4 thru 6=2)(1 thru 3=1)
(else=copy) into himen.
if drdays=0 himen=0 .
END if.
variable labels himen "(D) Drinking diary: men highest day units".
value labels himen
-5 'Women'
0 'None'
1 'Up to and including 4 units'
2 'Greater than 4 and less than or equal to 8 units'
3 'Greater than 8 units'.
execute.
```

**DDALCLIM: (D) Alcohol limits – limits based on dairy 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 ddalclim =-1.
if himen=0 ddalclim =0.
IF himen=1 ddalclim =1.
IF himen=2 ddalclim =2.
IF himen=3 ddalclim =3.
if hiwomen=0 ddalclim =0.
IF hiwomen=1 ddalclim =1.
IF hiwomen=2 ddalclim =2.
IF hiwomen=3 ddalclim =3.
if ((hiwomen=-8 | hiwomen=-1) and (himen=-1 | himen=-9 | himen=-8)) ddalclim =-1.
miss val ddalclim (-9).
VAR LAB ddalclim "(D) Alcohol units - limits based on diary units per day".
VAL LAB ddalclim
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)'.
```

**DIARYSUM: (D) Summary of diary drinking based on all**

- 0 Did not drink
- 1 Drank within recommended limits
- 2 Drank above recommended limits
- 3 Drank twice recommended limits or more

**SPSS Syntax**

```
compute diarysum=999.
if sex=1 & range(hidrinkg,1,3) diarysum=1 .
if sex=2 & range(hidrinkg,1,2) diarysum=1 .
if sex=1 & range(hidrinkg,4,6) diarysum=2 .
if sex=2 & range(hidrinkg,3,5) diarysum=2 .
if sex=1 & hidrinkg=7 diarysum=3 .
if sex=2 & hidrinkg>=6 diarysum=3 .
```

```
if dnoft3<0 diarysum=dnoft3 .
if dnoft3=8 diarysum=0 .
if drdays=0 diarysum=0 .
if sysmis(wt_drink) diarysum=-1 .
var lab diarysum '(D) Summary of drinking based on all'.
val lab diarysum
  0 'Did not drink'
  1 'Drank within recommended limits'
  2 'Drank above recommended limits'
  3 'Drank twice recommended limits or more' .
exe .
```

# Fruit & Vegetable consumption

PORPUL (D) Portion of pulses  
PORSAL (D) Portion of salad  
PORVEG (D) Portion of vegetables  
PORVDISH (D) Portion of vegetables in composites  
PORJUICE (D) Portion of fruit juice  
PORFRT (D) Portion of all sized fruit  
PORDRY (D) Portion of dried fruit  
PORFROZ (D) Portion of frozen fruit/canned fruit  
PORFDISH (D) Portion of fruit in composites  
VEGPOR (D) Total portion of vegetables (inc.salad)  
FRTPOR (D) Total portion of fruit  
PORFV (D) Total portion of fruit and veg.

*A maximum of 1 portion of pulses, fruit juice or dried fruit contributed to the total portions of fruit and vegetables. Portion sizes were defined by The Department of Health.*

## SPSS Syntax

```
compute porpul=0.
if (vegpul=1 & vegpulq>0) porpul=vegpulq/3.
if porpul>1 porpul=1.
compute porsal=0.
if (vegsal=1 & vegsalq>0) porsal=vegsalq.
compute porveg=0.
if (vegveg=1 & vegvegq>0) porveg=vegvegq/3.
compute porvdish=0.
if (vegdish=1 & vegdishq>0) porvdish=vegdishq/3.
compute porjuice=0.
if (frtdrnk=1 & frtdrnkq>0) porjuice=frtdrnkq.
if porjuice>1 porjuice=1.

compute porlge=0.
do repeat xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13
frtc14 frtc15
  /yyy=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13 frtc14
frtc15.
if (xxx=2 & yyy>0) porlge=porlge+yyy*2.
end repeat.

compute porsml=0.
do repeat xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13
frtc14 frtc15
  /yyy=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13 frtc14
frtc15.
if (xxx=4 & yyy>0) | (xxx=5 & yyy>0) porsml=porsml+yyy/2.
end repeat.

compute poroth=0.
do repeat xxx=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13
frtc14 frtc15
  /yyy=frtc01 frtc02 frtc03 frtc04 frtc05 frtc06 frtc07 frtc08 frtc09 frtc10 frtc11 frtc12 frtc13 frtc14
frtc15.
if (xxx=1 & yyy>0) | (xxx=3 & yyy>0) poroth=poroth+yyy.
end repeat.

compute porfrrt=porlge+porsml+poroth.
compute pordry=0.
if (frtdry=1 & frtdryq>0) pordry=frtdryq.
if pordry>1 pordry=1
compute porfroz=0.
if (frtfroz=1 & frtfrozq>0) porfroz=frtfrozq/3.
compute porfdish=0.
if (frtdish=1 & frtdishq>0) porfdish=frtdishq/3.
compute vegpor=porpul+porsal+porveg+porvdish.
compute frtpor=porjuice+porfrrt+pordry+porfroz+porfdish.
compute porfv=vegpor+frtpor.

**set missings after calculation.
if any(vegsal,-9,-8) | any(vegsalq,-9,-8) porsal=-9.
if any(vegpul,-9,-8) | any(vegpulq,-9,-8) porpul=-9.
if any(vegveg,-9,-8) | any(vegvegq,-9,-8) porveg=-9.
if any(vegdish,-9,-8) | any(vegdishq,-9,-8) porvdish=-9.
if any(frtdry,-9,-8) | any(frtdryq,-9,-8) pordry=-9.
if any(frtdish,-9,-8) | any(frtdishq,-9,-8) porfdish=-9.
if any(frtdrnk,-9,-8) | any(frtdrnkq,-9,-8) porjuice=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) porlge=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) porsml=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) poroth=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) porfrrt=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) pordry=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) porfroz=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) porfdish=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) vegpor=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) frtpor=-9.
if any(frtc01,-9,-8) | any(frtc02,-9,-8) | any(frtc03,-9,-8) | any(frtc04,-9,-8) | any(frtc05,-9,-8) | any(frtc06,-9,-8) | any(frtc07,-9,-8) | any(frtc08,-9,-8) | any(frtc09,-9,-8) | any(frtc10,-9,-8) | any(frtc11,-9,-8) | any(frtc12,-9,-8) | any(frtc13,-9,-8) | any(frtc14,-9,-8) | any(frtc15,-9,-8) porfv=-9.
```

```

if any(frtdrnk,-9,-8) | any(frtdrnkq,-9,-8) porjuice=-9.
if any(frtdry,-9,-8) | any(frtdryq,-9,-8) pordry=-9.
if any(frtfroz,-9,-8) | any(frtfrozq,-9,-8) porfroz=-9.
if any(frtdish,-9,-8) | any(frtdishq,-9,-8) porfdish=-9.
if porsal=-9 & porpul=-9 & porveg=-9 & porvdish=-9 vegpor=-9.
if porjuice=-9 & pordry=-9 & porfroz=-9 & porfdish=-9 & porfrt=-9 frtpor=-9.
if vegpor=-9 & frtpor=-9 porfv=-9.

```

```

**portions.
variable labels
  porpul "(D) Portion of pulses"
  /porsal "(D) Portion of salad"
  /porveg "(D) Portion of vegetables"
  /porvdish "(D) Portion of vegetables in composites"
  /porjuice "(D) Portion of fruit juice"
  /porfrt "(D) Portion of all sized fruit"
  /pordry "(D) Portion of dried fruit"
  /porfroz "(D) Portion of frozen fruit/canned fruit"
  /porfdish "(D) Portion of fruit in composites"
  /vegpor "(D) Total portion of vegetables (inc.salad)"
  /frtpor "(D) Total portion of fruit"
  /porfv "(D) Total portion of fruit and veg".

```

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

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

### SPSS Syntax

```

RECODE porfv (0=0) (8 thru hi=9) (7 thru 8=8) (6 thru 7=7) (5 thru 6=6) (4 thru 5=5) (3 thru 4=4)
(2 thru 3=3) (1 thru 2=2) (0 thru 1=1) into porftvg.
do if age<5.
do repeat xxx=porpul to porftvg.
compute xxx=-1.
end repeat.
end if.
VARIABLE LABELS  porftvg "(D) Grouped portions of fruit (inc.orange juice) & veg yesterday" .
VALUE LABELS porftvg
  0 "None"
  1 "Less than 1 portion"
  2 "1 portion or more but less than 2"
  3 "2 portions or more but less than 3"
  4 "3 portions or more but less than 4"
  5 "4 portions or more but less than 5"
  6 "5 portions or more but less than 6"
  7 "6 portions or more but less than 7"
  8 "7 portions or more but less than 8"
  9 "8 portions or more".

```

# General Health

## Acute Sickness

ACUTILL: (D) Acute sickness last two weeks

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

### SPSS Syntax

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

BLADPROB: (D) Bladder problem – binary

BOWPROB: (D) Bowel problem – binary

- 0 No
- 1 Yes

*Both variables have the same value labels*

### SPSS Syntax

```
COMPUTE bladprob=999.
IF bladder = 1 bladprob=1.
IF bladder = 2 bladprob=0.
IF bladder = 3 bladprob=-9.
IF bladder<0 bladprob=bladder.
RECODE bladprob (999 = -9).
var lab bladprob '(D) Bladder problem - binary'.
val lab bladprob 0 'No' 1 'Yes'.
```

```
COMPUTE bowprob=999.
IF bowels = 1 bowprob=1.
IF bowels = 2 bowprob=0.
IF bowels = 3 bowprob=-9.
IF bowels<0 bowprob=bowels.
RECODE bowprob (999 = -9).
var lab bowprob '(D) Bowel problem - binary'.
val lab bowprob 0 'No' 1 'Yes'..
```

## EQ5D

VASGP: (D) Visual Analogue Scale score (grouped)

- 1 0-30
- 2 31-40
- 3 41-50
- 4 51-60
- 5 61-70
- 6 71-80
- 7 81-90
- 8 91-100

### SPSS Syntax

```
recode hthstat (0 thru 30=1) (31 thru 40 = 2) (41 thru 50 = 3) (51 thru 60 = 4)
(61 thru 70 =5) (71 thru 80 = 6) (81 thru 90 = 7) (91 thru 100 = 8) (else=copy) into VASgp.
exe.
variable labels VASgp '(D) Visual Analogue Scale score grouped'.
value labels VASgp -1 'Not applicable' -8 "Don't know" -9 'Refusal' 1 '0-30' 2 '31-40' 3 '41-50' 4
'51-60' 5 '61-70' 6 '71-80' 7 '81-90' 8 '91-100'.
```

# General wellbeing

## WEMWBS: (D) WEMWBS score

### SPSS Syntax

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

# Healthy Foundations Segmentation

## SEGMENT: (D) Healthy Foundations Lifestages Segment

- 1 Hedonistic Immortal
- 2 Live for Today
- 3 Unconfident Fatalist
- 4 Health Conscious Realist
- 5 Balanced Compensator

### SPSS syntax

```
* The coding frame for WHENRISK SERILL needs to be reversed.
recode WHENRISK (-1,-8,-9,3=COPY) (1=5) (2=4) (4=2) (5=1) INTO WHENRISK2.
recode SERILL (-1,-8,-9,3=COPY) (6=-9) (1=5) (2=4) (4=2) (5=1) INTO SERILL2.

** GOODSELF.
do if GOODSELF= -8 or GOODSELF=-9.
compute GOODSELFHI=(5.47143490063434*3.00540517736252)+-97.6557846578253.
else if GOODSELF>=1.
compute GOODSELFHI=(GOODSELF*3.00540517736252)+-97.6557846578253.
end if.
do if GOODSELF= -8 or GOODSELF=-9.
compute GOODSELFFLT=(5.47143490063434*2.93730828496502)+-95.9593765411686.
else if GOODSELF>=1.
compute GOODSELFFLT=(GOODSELF*2.93730828496502)+-95.9593765411686.
end if.
do if GOODSELF= -8 or GOODSELF=-9.
compute GOODSELFUF=(5.47143490063434*2.11028143705193)+-86.4224725954941.
else if GOODSELF>=1.
compute GOODSELFUF=(GOODSELF*2.11028143705193)+-86.4224725954941.
end if.
do if GOODSELF= -8 or GOODSELF=-9.
compute GOODSELFHCR=(5.47143490063434*2.9960113996923)+-105.042181335664.
else if GOODSELF>=1.
compute GOODSELFHCR=(GOODSELF*2.9960113996923)+-105.042181335664.
end if.
do if GOODSELF= -8 or GOODSELF=-9.
compute GOODSELFBC=(5.47143490063434*2.82114017480267)+-104.490523202585.
else if GOODSELF>=1.
compute GOODSELFBC=(GOODSELF*2.82114017480267)+-104.490523202585.
end if.

** LIKERISK.
do if LIKERISK= -8 or LIKERISK=-9.
compute LIKERISKHI=(3.88359068029995*0.975566602967995)+-97.6557846578253.
else if LIKERISK>=1.
compute LIKERISKHI=(LIKERISK*0.975566602967995)+-97.6557846578253.
end if.
do if LIKERISK= -8 or LIKERISK=-9.
compute LIKERISKLT=(3.88359068029995*0.741612088138068)+-95.9593765411686.
else if LIKERISK>=1.
compute LIKERISKLT=(LIKERISK*0.741612088138068)+-95.9593765411686.
end if.
do if LIKERISK= -8 or LIKERISK=-9.
compute LIKERISKUF=(3.88359068029995*0.664679215449384)+-86.4224725954941.
else if LIKERISK>=1.
compute LIKERISKUF=(LIKERISK*0.664679215449384)+-86.4224725954941.
end if.
do if LIKERISK= -8 or LIKERISK=-9.
compute LIKERISKHCR=(3.88359068029995*0.429968963623879)+-105.042181335664.
else if LIKERISK>=1.
compute LIKERISKHCR=(LIKERISK*0.429968963623879)+-105.042181335664.
```

```

end if.
do if LIKERISK= -8 or LIKERISK=-9.
compute LIKERISKBC=(3.88359068029995*0.72603405244549)+-104.490523202585.
else if LIKERISK>=1.
compute LIKERISKBC=(LIKERISK*0.72603405244549)+-104.490523202585.
end if.

** FOCNOW.
do if FOCNOW= -8 or FOCNOW=-9.
compute FOCNOWHI=(4.57993331957363*0.388033924258853)+-97.6557846578253.
else if FOCNOW>=1.
compute FOCNOWHI=(FOCNOW*0.388033924258853)+-97.6557846578253.
end if.
do if FOCNOW= -8 or FOCNOW=-9.
compute FOCNOWLT=(4.57993331957363*0.889762591219386)+-95.9593765411686.
else if FOCNOW>=1.
compute FOCNOWLT=(FOCNOW*0.889762591219386)+-95.9593765411686.
end if.
do if FOCNOW= -8 or FOCNOW=-9.
compute FOCNOWUF=(4.57993331957363*0.672267993904254)+-86.4224725954941.
else if FOCNOW>=1.
compute FOCNOWUF=(FOCNOW*0.672267993904254)+-86.4224725954941.
end if.
do if FOCNOW= -8 or FOCNOW=-9.
compute FOCNOWHCR=(4.57993331957363*0.046206458644588)+-105.042181335664.
else if FOCNOW>=1.
compute FOCNOWHCR=(FOCNOW*0.046206458644588)+-105.042181335664.
end if.
do if FOCNOW= -8 or FOCNOW=-9.
compute FOCNOWBC=(4.57993331957363*0.44938698298487)+-104.490523202585.
else if FOCNOW>=1.
compute FOCNOWBC=(FOCNOW*0.44938698298487)+-104.490523202585.
end if.

** LEARMIS.
do if LEARMIS= -8 or LEARMIS=-9.
compute LEARMISHI=(5.87741475825172*6.97795926362957)+-97.6557846578253.
else if LEARMIS>=1.
compute LEARMISHI=(LEARMIS*6.97795926362957)+-97.6557846578253.
end if.
do if LEARMIS= -8 or LEARMIS=-9.
compute LEARMISLT=(5.87741475825172*6.74927260188421)+-95.9593765411686.
else if LEARMIS>=1.
compute LEARMISLT=(LEARMIS*6.74927260188421)+-95.9593765411686.
end if.
do if LEARMIS= -8 or LEARMIS=-9.
compute LEARMISUF=(5.87741475825172*4.8280683265291)+-86.4224725954941.
else if LEARMIS>=1.
compute LEARMISUF=(LEARMIS*4.8280683265291)+-86.4224725954941.
end if.
do if LEARMIS= -8 or LEARMIS=-9.
compute LEARMISHCR=(5.87741475825172*6.79174508679743)+-105.042181335664.
else if LEARMIS>=1.
compute LEARMISHCR=(LEARMIS*6.79174508679743)+-105.042181335664.
end if.
do if LEARMIS= -8 or LEARMIS=-9.
compute LEARMISBC=(5.87741475825172*7.13105725211422)+-104.490523202585.
else if LEARMIS>=1.
compute LEARMISBC=(LEARMIS*7.13105725211422)+-104.490523202585.
end if.

** IMPMONEY.
do if IMPMONEY= -8 or IMPMONEY=-9.
compute IMPMONEYHI=(4.68463065261549*1.33865264638796)+-97.6557846578253.
else if IMPMONEY>=1.
compute IMPMONEYHI=(IMPMONEY*1.33865264638796)+-97.6557846578253.
end if.
do if IMPMONEY= -8 or IMPMONEY=-9.
compute IMPMONEYLT=(4.68463065261549*1.52206647188473)+-95.9593765411686.
else if IMPMONEY>=1.
compute IMPMONEYLT=(IMPMONEY*1.52206647188473)+-95.9593765411686.
end if.
do if IMPMONEY= -8 or IMPMONEY=-9.
compute IMPMONEYUF=(4.68463065261549*1.62130716427387)+-86.4224725954941.
else if IMPMONEY>=1.
compute IMPMONEYUF=(IMPMONEY*1.62130716427387)+-86.4224725954941.
end if.
do if IMPMONEY= -8 or IMPMONEY=-9.
compute IMPMONEYHCR=(4.68463065261549*1.18255436287357)+-105.042181335664.
else if IMPMONEY>=1.
compute IMPMONEYHCR=(IMPMONEY*1.18255436287357)+-105.042181335664.
end if.
do if IMPMONEY= -8 or IMPMONEY=-9.
compute IMPMONEYBC=(4.68463065261549*1.71754282727036)+-104.490523202585.
else if IMPMONEY>=1.
compute IMPMONEYBC=(IMPMONEY*1.71754282727036)+-104.490523202585.
end if.

```

```

** IMPIMG.
do if IMPIMG= -8 or IMPIMG=-9.
compute IMPIMGHI=(4.37718331656702*0.570461602238677)+-97.6557846578253.
else if IMPIMG>=1.
compute IMPIMGHI=(IMPIMG*0.570461602238677)+-97.6557846578253.
end if.
do if IMPIMG= -8 or IMPIMG=-9.
compute IMPIMGILT=(4.37718331656702*0.43622082649435)+-95.9593765411686.
else if IMPIMG>=1.
compute IMPIMGILT=(IMPIMG*0.43622082649435)+-95.9593765411686.
end if.
do if IMPIMG= -8 or IMPIMG=-9.
compute IMPIMGUF=(4.37718331656702*0.367964216205431)+-86.4224725954941.
else if IMPIMG>=1.
compute IMPIMGUF=(IMPIMG*0.367964216205431)+-86.4224725954941.
end if.
do if IMPIMG= -8 or IMPIMG=-9.
compute IMPIMGHCR=(4.37718331656702*0.144409058586229)+-105.042181335664.
else if IMPIMG>=1.
compute IMPIMGHCR=(IMPIMG*0.144409058586229)+-105.042181335664.
end if.
do if IMPIMG= -8 or IMPIMG=-9.
compute IMPIMGBC=(4.37718331656702*0.619989376748846)+-104.490523202585.
else if IMPIMG>=1.
compute IMPIMGBC=(IMPIMG*0.619989376748846)+-104.490523202585.
end if.

*** HEALTHY.
do if HEALTHY= -8 or HEALTHY=-9.
compute HEALTHYHI=(5.81771275591936*3.9102084640319)+-97.6557846578253.
else if HEALTHY>=1.
compute HEALTHYHI=(HEALTHY*3.9102084640319)+-97.6557846578253.
end if.
do if HEALTHY= -8 or HEALTHY=-9.
compute HEALTHYILT=(5.81771275591936*3.32395817064579)+-95.9593765411686.
else if HEALTHY>=1.
compute HEALTHYILT=(HEALTHY*3.32395817064579)+-95.9593765411686.
end if.
do if HEALTHY= -8 or HEALTHY=-9.
compute HEALTHYUF=(5.81771275591936*3.34879054814442)+-86.4224725954941.
else if HEALTHY>=1.
compute HEALTHYUF=(HEALTHY*3.34879054814442)+-86.4224725954941.
end if.
do if HEALTHY= -8 or HEALTHY=-9.
compute HEALTHYHCR=(5.81771275591936*3.75752773152253)+-105.042181335664.
else if HEALTHY>=1.
compute HEALTHYHCR=(HEALTHY*3.75752773152253)+-105.042181335664.
end if.
do if HEALTHY= -8 or HEALTHY=-9.
compute HEALTHYBC=(5.81771275591936*3.71782698003247)+-104.490523202585.
else if HEALTHY>=1.
compute HEALTHYBC=(HEALTHY*3.71782698003247)+-104.490523202585.
end if.

*** HEALALL.
do if HEALALL= -8 or HEALALL=-9.
compute HEALALLHI=(5.19440479581827*-0.00530460495409354)+-97.6557846578253.
else if HEALALL>=1.
compute HEALALLHI=(HEALALL*-0.00530460495409354)+-97.6557846578253.
end if.
do if HEALALL= -8 or HEALALL=-9.
compute HEALALLILT=(5.19440479581827*1.35114550892472)+-95.9593765411686.
else if HEALALL>=1.
compute HEALALLILT=(HEALALL*1.35114550892472)+-95.9593765411686.
end if.
do if HEALALL= -8 or HEALALL=-9.
compute HEALALLUF=(5.19440479581827*1.33286681985653)+-86.4224725954941.
else if HEALALL>=1.
compute HEALALLUF=(HEALALL*1.33286681985653)+-86.4224725954941.
end if.
do if HEALALL= -8 or HEALALL=-9.
compute HEALALLHCR=(5.19440479581827*1.6369248282459)+-105.042181335664.
else if HEALALL>=1.
compute HEALALLHCR=(HEALALL*1.6369248282459)+-105.042181335664.
end if.
do if HEALALL= -8 or HEALALL=-9.
compute HEALALLBC=(5.19440479581827*1.54524146976285)+-104.490523202585.
else if HEALALL>=1.
compute HEALALLBC=(HEALALL*1.54524146976285)+-104.490523202585.
end if.

*** GOODHEAL.
do if GOODHEAL= -8 or GOODHEAL=-9.
compute GOODHEALHI=(5.49443153219262*-0.202853492071889)+-97.6557846578253.
else if GOODHEAL>=1.
compute GOODHEALHI=(GOODHEAL*-0.202853492071889)+-97.6557846578253.
end if.
do if GOODHEAL= -8 or GOODHEAL=-9.

```

```

compute GOODHEALLT=(5.49443153219262*0.983705802732202)+-95.9593765411686.
else if GOODHEAL>=1.
compute GOODHEALLT=(GOODHEAL*0.983705802732202)+-95.9593765411686.
end if.
do if GOODHEAL= -8 or GOODHEAL=-9.
compute GOODHEALUF=(5.49443153219262*1.1285836835183)+-86.4224725954941.
else if GOODHEAL>=1.
compute GOODHEALUF=(GOODHEAL*1.1285836835183)+-86.4224725954941.
end if.
do if GOODHEAL= -8 or GOODHEAL=-9.
compute GOODHEALHCR=(5.49443153219262*1.10165525084539)+-105.042181335664.
else if GOODHEAL>=1.
compute GOODHEALHCR=(GOODHEAL*1.10165525084539)+-105.042181335664.
end if.
do if GOODHEAL= -8 or GOODHEAL=-9.
compute GOODHEALBC=(5.49443153219262*1.07323388811755)+-104.490523202585.
else if GOODHEAL>=1.
compute GOODHEALBC=(GOODHEAL*1.07323388811755)+-104.490523202585.
end if.

*** INVOHEAL.
do if INVOHEAL= -8 or INVOHEAL=-9.
compute INVOHEALHI=(5.38483756413425*0.423180210528556)+-97.6557846578253.
else if INVOHEAL>=1.
compute INVOHEALHI=(INVOHEAL*0.423180210528556)+-97.6557846578253.
end if.
do if INVOHEAL= -8 or INVOHEAL=-9.
compute INVOHEALLT=(5.38483756413425*0.263675674400378)+-95.9593765411686.
else if INVOHEAL>=1.
compute INVOHEALLT=(INVOHEAL*0.263675674400378)+-95.9593765411686.
end if.
do if INVOHEAL= -8 or INVOHEAL=-9.
compute INVOHEALUF=(5.38483756413425*0.640937747467902)+-86.4224725954941.
else if INVOHEAL>=1.
compute INVOHEALUF=(INVOHEAL*0.640937747467902)+-86.4224725954941.
end if.
do if INVOHEAL= -8 or INVOHEAL=-9.
compute INVOHEALHCR=(5.38483756413425*0.565869590047473)+-105.042181335664.
else if INVOHEAL>=1.
compute INVOHEALHCR=(INVOHEAL*0.565869590047473)+-105.042181335664.
end if.
do if INVOHEAL= -8 or INVOHEAL=-9.
compute INVOHEALBC=(5.38483756413425*0.734922986514449)+-104.490523202585.
else if INVOHEAL>=1.
compute INVOHEALBC=(INVOHEAL*0.734922986514449)+-104.490523202585.
end if.

*** CONTHEAL.
do if CONTHEAL= -8 or CONTHEAL=-9.
compute CONTHEALHI=(5.33934392413807*1.22507730033077)+-97.6557846578253.
else if CONTHEAL>=1.
compute CONTHEALHI=(CONTHEAL*1.22507730033077)+-97.6557846578253.
end if.
do if CONTHEAL= -8 or CONTHEAL=-9.
compute CONTHEALLT=(5.33934392413807*1.00898566240431)+-95.9593765411686.
else if CONTHEAL>=1.
compute CONTHEALLT=(CONTHEAL*1.00898566240431)+-95.9593765411686.
end if.
do if CONTHEAL= -8 or CONTHEAL=-9.
compute CONTHEALUF=(5.33934392413807*0.329392309634283)+-86.4224725954941.
else if CONTHEAL>=1.
compute CONTHEALUF=(CONTHEAL*0.329392309634283)+-86.4224725954941.
end if.
do if CONTHEAL= -8 or CONTHEAL=-9.
compute CONTHEALHCR=(5.33934392413807*0.993927221147298)+-105.042181335664.
else if CONTHEAL>=1.
compute CONTHEALHCR=(CONTHEAL*0.993927221147298)+-105.042181335664.
end if.
do if CONTHEAL= -8 or CONTHEAL=-9.
compute CONTHEALBC=(5.33934392413807*0.955299568283654)+-104.490523202585.
else if CONTHEAL>=1.
compute CONTHEALBC=(CONTHEAL*0.955299568283654)+-104.490523202585.
end if.

*** PERSHEAL.
do if PERSHEAL= -8 or PERSHEAL=-9.
compute PERSHEALHI=(5.38366632688756*2.09402969143324)+-97.6557846578253.
else if PERSHEAL>=1.
compute PERSHEALHI=(PERSHEAL*2.09402969143324)+-97.6557846578253.
end if.
do if PERSHEAL= -8 or PERSHEAL=-9.
compute PERSHEALLT=(5.38366632688756*2.07756965128744)+-95.9593765411686.
else if PERSHEAL>=1.
compute PERSHEALLT=(PERSHEAL*2.07756965128744)+-95.9593765411686.
end if.
do if PERSHEAL= -8 or PERSHEAL=-9.
compute PERSHEALUF=(5.38366632688756*1.60653282912038)+-86.4224725954941.
else if PERSHEAL>=1.

```

```

compute PERSHEALUF=(PERSHEAL*1.60653282912038)+-86.4224725954941.
end if.
do if PERSHEAL=-8 or PERSHEAL=-9.
compute PERSHEALHCR=(5.38366632688756*2.13404790205546)+-105.042181335664.
else if PERSHEAL>=1.
compute PERSHEALHCR=(PERSHEAL*2.13404790205546)+-105.042181335664.
end if.
do if PERSHEAL=-8 or PERSHEAL=-9.
compute PERSHEALBC=(5.38366632688756*2.15222780715227)+-104.490523202585.
else if PERSHEAL>=1.
compute PERSHEALBC=(PERSHEAL*2.15222780715227)+-104.490523202585.
end if.

*** GETILL.
do if GETILL=-8 or GETILL=-9.
compute GETILLHI=(3.44279217196518*0.176203348736073)+-97.6557846578253.
else if GETILL>=1.
compute GETILLHI=(GETILL*0.176203348736073)+-97.6557846578253.
end if.
do if GETILL=-8 or GETILL=-9.
compute GETILLLT=(3.44279217196518*1.13698951002961)+-95.9593765411686.
else if GETILL>=1.
compute GETILLLT=(GETILL*1.13698951002961)+-95.9593765411686.
end if.
do if GETILL=-8 or GETILL=-9.
compute GETILLUF=(3.44279217196518*0.695363289556557)+-86.4224725954941.
else if GETILL>=1.
compute GETILLUF=(GETILL*0.695363289556557)+-86.4224725954941.
end if.
do if GETILL=-8 or GETILL=-9.
compute GETILLHCR=(3.44279217196518*0.050718187777307)+-105.042181335664.
else if GETILL>=1.
compute GETILLHCR=(GETILL*0.050718187777307)+-105.042181335664.
end if.
do if GETILL=-8 or GETILL=-9.
compute GETILLBC=(3.44279217196518*0.56959841197164)+-104.490523202585.
else if GETILL>=1.
compute GETILLBC=(GETILL*0.56959841197164)+-104.490523202585.
end if.

*** YRHEAL.
do if YRHEAL=-8 or YRHEAL=-9.
compute YRHEALHI=(5.75244483276541*4.3811313281571)+-97.6557846578253.
else if YRHEAL>=1.
compute YRHEALHI=(YRHEAL*4.3811313281571)+-97.6557846578253.
end if.
do if YRHEAL=-8 or YRHEAL=-9.
compute YRHEALLT=(5.75244483276541*3.63991660324739)+-95.9593765411686.
else if YRHEAL>=1.
compute YRHEALLT=(YRHEAL*3.63991660324739)+-95.9593765411686.
end if.
do if YRHEAL=-8 or YRHEAL=-9.
compute YRHEALUF=(5.75244483276541*4.01252397690605)+-86.4224725954941.
else if YRHEAL>=1.
compute YRHEALUF=(YRHEAL*4.01252397690605)+-86.4224725954941.
end if.
do if YRHEAL=-8 or YRHEAL=-9.
compute YRHEALHCR=(5.75244483276541*4.31155186675238)+-105.042181335664.
else if YRHEAL>=1.
compute YRHEALHCR=(YRHEAL*4.31155186675238)+-105.042181335664.
end if.
do if YRHEAL=-8 or YRHEAL=-9.
compute YRHEALBC=(5.75244483276541*4.39709636877172)+-104.490523202585.
else if YRHEAL>=1.
compute YRHEALBC=(YRHEAL*4.39709636877172)+-104.490523202585.
end if.

*** DIFFHEAL.
do if DIFFHEAL=-8 or DIFFHEAL=-9.
compute DIFFHEALHI=(5.12050337525123*1.21415475376642)+-97.6557846578253.
else if DIFFHEAL>=1.
compute DIFFHEALHI=(DIFFHEAL*1.21415475376642)+-97.6557846578253.
end if.
do if DIFFHEAL=-8 or DIFFHEAL=-9.
compute DIFFHEALLT=(5.12050337525123*0.982959091533216)+-95.9593765411686.
else if DIFFHEAL>=1.
compute DIFFHEALLT=(DIFFHEAL*0.982959091533216)+-95.9593765411686.
end if.
do if DIFFHEAL=-8 or DIFFHEAL=-9.
compute DIFFHEALUF=(5.12050337525123*0.612560949245045)+-86.4224725954941.
else if DIFFHEAL>=1.
compute DIFFHEALUF=(DIFFHEAL*0.612560949245045)+-86.4224725954941.
end if.
do if DIFFHEAL=-8 or DIFFHEAL=-9.
compute DIFFHEALHCR=(5.12050337525123*1.22461085937607)+-105.042181335664.
else if DIFFHEAL>=1.
compute DIFFHEALHCR=(DIFFHEAL*1.22461085937607)+-105.042181335664.
end if.

```

```

do if DIFFHEAL= -8 or DIFFHEAL=-9.
compute DIFFHEALBC=(5.12050337525123*1.07014946969354)+-104.490523202585.
else if DIFFHEAL>=1.
compute DIFFHEALBC=(DIFFHEAL*1.07014946969354)+-104.490523202585.
end if.

*** CONTHYR.
do if CONTHYR= -8 or CONTHYR=-9.
compute CONTHYRHI=(5.6806790981933*2.66796535966714)+-97.6557846578253.
else if CONTHYR>=1.
compute CONTHYRHI=(CONTHYR*2.66796535966714)+-97.6557846578253.
end if.
do if CONTHYR= -8 or CONTHYR=-9.
compute CONTHYRLT=(5.6806790981933*2.51494347536441)+-95.9593765411686.
else if CONTHYR>=1.
compute CONTHYRLT=(CONTHYR*2.51494347536441)+-95.9593765411686.
end if.
do if CONTHYR= -8 or CONTHYR=-9.
compute CONTHYRUF=(5.6806790981933*2.27727797806625)+-86.4224725954941.
else if CONTHYR>=1.
compute CONTHYRUF=(CONTHYR*2.27727797806625)+-86.4224725954941.
end if.
do if CONTHYR= -8 or CONTHYR=-9.
compute CONTHYRHCR=(5.6806790981933*2.70670217777287)+-105.042181335664.
else if CONTHYR>=1.
compute CONTHYRHCR=(CONTHYR*2.70670217777287)+-105.042181335664.
end if.
do if CONTHYR= -8 or CONTHYR=-9.
compute CONTHYRBC=(5.6806790981933*2.72826280891542)+-104.490523202585.
else if CONTHYR>=1.
compute CONTHYRBC=(CONTHYR*2.72826280891542)+-104.490523202585.
end if.

*** ENJHEAL.
do if ENJHEAL= -8 or ENJHEAL=-9.
compute ENJHEALHI=(5.30785796603967*0.804138497821854)+-97.6557846578253.
else if ENJHEAL>=1.
compute ENJHEALHI=(ENJHEAL*0.804138497821854)+-97.6557846578253.
end if.
do if ENJHEAL= -8 or ENJHEAL=-9.
compute ENJHEALLT=(5.30785796603967*0.356666218449048)+-95.9593765411686.
else if ENJHEAL>=1.
compute ENJHEALLT=(ENJHEAL*0.356666218449048)+-95.9593765411686.
end if.
do if ENJHEAL= -8 or ENJHEAL=-9.
compute ENJHEALUF=(5.30785796603967*0.825188471834171)+-86.4224725954941.
else if ENJHEAL>=1.
compute ENJHEALUF=(ENJHEAL*0.825188471834171)+-86.4224725954941.
end if.
do if ENJHEAL= -8 or ENJHEAL=-9.
compute ENJHEALHCR=(5.30785796603967*1.02226903753306)+-105.042181335664.
else if ENJHEAL>=1.
compute ENJHEALHCR=(ENJHEAL*1.02226903753306)+-105.042181335664.
end if.
do if ENJHEAL= -8 or ENJHEAL=-9.
compute ENJHEALBC=(5.30785796603967*1.00850142264062)+-104.490523202585.
else if ENJHEAL>=1.
compute ENJHEALBC=(ENJHEAL*1.00850142264062)+-104.490523202585.
end if.

*** WHENRISK2.
do if WHENRISK2= -8 or WHENRISK2=-9.
compute WHENRISK2HI=(3.4834739943722*1.9662266518697)+-97.6557846578253.
else if WHENRISK2>=1.
compute WHENRISK2HI=(WHENRISK2*1.9662266518697)+-97.6557846578253.
end if.
do if WHENRISK2= -8 or WHENRISK2=-9.
compute WHENRISK2LT=(3.4834739943722*1.46273884334764)+-95.9593765411686.
else if WHENRISK2>=1.
compute WHENRISK2LT=(WHENRISK2*1.46273884334764)+-95.9593765411686.
end if.
do if WHENRISK2= -8 or WHENRISK2=-9.
compute WHENRISK2UF=(3.4834739943722*3.0454030253955)+-86.4224725954941.
else if WHENRISK2>=1.
compute WHENRISK2UF=(WHENRISK2*3.0454030253955)+-86.4224725954941.
end if.
do if WHENRISK2= -8 or WHENRISK2=-9.
compute WHENRISK2HCR=(3.4834739943722*2.42880818343398)+-105.042181335664.
else if WHENRISK2>=1.
compute WHENRISK2HCR=(WHENRISK2*2.42880818343398)+-105.042181335664.
end if.
do if WHENRISK2= -8 or WHENRISK2=-9.
compute WHENRISK2BC=(3.4834739943722*0.798275966954496)+-104.490523202585.
else if WHENRISK2>=1.
compute WHENRISK2BC=(WHENRISK2*0.798275966954496)+-104.490523202585.
end if.

*** SERILL2.

```

```

do if SERILL2= -8 or SERILL2=-9.
compute SERILL2HI=(2.76339279669088*5.63370863301357)+-97.6557846578253.
else if SERILL2>=1.
compute SERILL2HI=(SERILL2*5.63370863301357)+-97.6557846578253.
end if.
do if SERILL2= -8 or SERILL2=-9.
compute SERILL2LT=(2.76339279669088*5.39039370034135)+-95.9593765411686.
else if SERILL2>=1.
compute SERILL2LT=(SERILL2*5.39039370034135)+-95.9593765411686.
end if.
do if SERILL2= -8 or SERILL2=-9.
compute SERILL2UF=(2.76339279669088*6.51770005559124)+-86.4224725954941.
else if SERILL2>=1.
compute SERILL2UF=(SERILL2*6.51770005559124)+-86.4224725954941.
end if.
do if SERILL2= -8 or SERILL2=-9.
compute SERILL2HCR=(2.76339279669088*5.4566062452343)+-105.042181335664.
else if SERILL2>=1.
compute SERILL2HCR=(SERILL2*5.4566062452343)+-105.042181335664.
end if.
do if SERILL2= -8 or SERILL2=-9.
compute SERILL2BC=(2.76339279669088*3.27648094569571)+-104.490523202585.
else if SERILL2>=1.
compute SERILL2BC=(SERILL2*3.27648094569571)+-104.490523202585.
end if.

***Overall calculation.
compute HI_OVERALL=GOODSELFHFI+LIKERISKHI+FOCNOWHI+LEARMISHI+IMPMONEYHI+IMPIMGHI+HEALTHYHI+HEALALLHI
+GOODHEALHI+INVOHEALHI+CONTHEALHI+PERSHEALHI+GETILLHI+YRHEALHI+DIFFHEALHI+CONTHYRHI+ENJHEALHI
+WHENRISK2HI+SERILL2HI.

compute LT_OVERALL=GOODSELFHT+LIKERISKLT+FOCNOWLT+LEARMISLT+IMPMONEYLT+IMPIMGLT+HEALTHYLT+HEALALLLT
+GOODHEALLT+INVOHEALLT+CONTHEALLT+PERSHEALLT+GETILLLT+YRHEALLT+DIFFHEALLT+CONTHYRLT+ENJHEALLT
+WHENRISK2LT+SERILL2LT.

compute UF_OVERALL=GOODSELFUF+LIKERISKUF+FOCNOWUF+LEARMISUF+IMPMONEYUF+IMPIMGUF+HEALTHYUF+HEALALLUF
+GOODHEALUF+INVOHEALUF+CONTHEALUF+PERSHEALUF+GETILLUF+YRHEALUF+DIFFHEALUF+CONTHYRUF+ENJHEALUF
+WHENRISK2UF+SERILL2UF.

compute
HCR_OVERALL=GOODSELFHCR+LIKERISKHCR+FOCNOWHCR+LEARMISHCR+IMPMONEYHCR+IMPIMGHCR+HEALTHYHCR+HEALALLHCR
+GOODHEALHCR+INVOHEALHCR+CONTHEALHCR+PERSHEALHCR+GETILLHCR+YRHEALHCR+DIFFHEALHCR+CONTHYRHCR+ENJHEALHCR
+WHENRISK2HCR+SERILL2HCR.

compute BC_OVERALL=GOODSELFBBC+LIKERISKBBC+FOCNOWBC+LEARMISBC+IMPMONEYBC+IMPIMGBC+HEALTHYBC+HEALALLBC
+GOODHEALBC+INVOHEALBC+CONTHEALBC+PERSHEALBC+GETILLBC+YRHEALBC+DIFFHEALBC+CONTHYRBC+ENJHEALBC
+WHENRISK2BC+SERILL2BC.
EXE.

COMPUTE segment1=MAX(HI_OVERALL, LT_OVERALL, UF_OVERALL, HCR_OVERALL, BC_OVERALL).
EXECUTE.

compute segment=-1.
do if segment1=HI_OVERALL.
compute segment=1.
else if segment1=LT_OVERALL.
compute segment=2.
else if segment1=UF_OVERALL.
compute segment=3.
else if segment1=HCR_OVERALL.
compute segment=4.
else if segment1=BC_OVERALL.
compute segment=5.
end if.
variable labels segment 'Healthy Foundations Lifestages Segment'.
value labels segment
  1 'Hedonistic Immortal'
  2 'Live for Today'
  3 'Unconfident Fatalist'
  4 'Health Conscious Realist'
  5 'Balanced Compensator'.

```

## Longstanding Illness

COMPM1: (D) II Neoplasms & benign growths  
 COMPM2: (D) III Endocrine & metabolic  
 COMPM3: (D) V Mental disorders  
 COMPM4: (D) VI Nervous System  
 COMPM5: (D) VI Eye complaints  
 COMPM6: (D) VI Ear complaints  
 COMPM7: (D) VII Heart & circulatory system  
 COMPM8: (D) VIII Respiratory system  
 COMPM9: (D) IX Digestive system  
 COMPM10: (D) X Genito-urinary system  
 COMPM11: (D) XII Skin complaints  
 COMPM12: (D) XIII Musculoskeletal system  
 COMPM13: (D) I Infectious Disease  
 COMPM14: (D) IV Blood & related organs  
 COMPM15: (D) Other complaints  
 COMPM17: (D) No long-standing illness  
 COMPM18: (D) No longer present  
 COMPM99: (D) Unclass/NLP/inadeq.describe  
     0 No condition present  
     1 Has condition

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

#### SPSS Syntax

```

DO REPEAT xcomp=compm1 compm2 compm3 compm4 compm5 compm6 compm7 compm8
  compm9 compm10 compm11 compm12 compm13 compm14 compm15 compm17 compm18.
COMPUTE xcomp=0.
IF longill<0 xcomp=-9.
END REPEAT.
DO REPEAT xill=illsm1 illsm2 illsm3 illsm4 illsm5 illsm6.
IF xill=1 compm1=1.
IF (RANGE(xill,2,3)) compm2=1.
IF (RANGE(xill,4,5)) compm3=1.
IF (RANGE(xill,6,8)) compm4=1.
IF (RANGE(xill,9,10)) compm5=1.
IF (RANGE(xill,11,14)) compm6=1.
IF (RANGE(xill,15,21)) compm7=1.
IF (RANGE(xill,22,25)) compm8=1.
IF (RANGE(xill,26,29)) compm9=1.
IF (RANGE(xill,30,33)) compm10=1.
IF xill=39 compm11=1.
IF (RANGE(xill,34,36)) compm12=1.
IF xill=37 compm13=1.
IF xill=38 compm14=1.
IF xill=40 compm15=1.
IF (longill=1 & xill=42) compm18 = 1 .
END REPEAT.
IF (longill = 2) compm17 = 1.
COMPUTE compm99 = 0 .
IF (longill = 1 & ANY(illsm1,41,42,-1,-8,-9)) compm99 = 1 .
IF (longill<0) compm99 = -9.
VARIABLE LABELS compm1 '(D) II Neoplasms & benign growths'
/compm2 '(D) III Endocrine & metabolic'
/compm3 '(D) V Mental disorders'
/compm4 '(D) VI Nervous system'
/compm5 '(D) VI Eye complaints'
/compm6 '(D) VI Ear complaints'
/compm7 '(D) VII Heart & circulatory system'
/compm8 '(D) VIII Respiratory system'
/compm9 '(D) IX Digestive system'
/compm10 '(D) X Genito-urinary system'
/compm11 '(D) XII Skin complaints'
/compm12 '(D) XIII Musculoskeletal system'
/compm13 '(D) I Infectious disease'
/compm14 '(D) IV Blood & related organs'
/compm15 '(D) Other complaints'
/compm17 '(D) No long-standing illness'
/compm18 '(D) No longer present'
/compm99 '(D) Unclass/NLP/inadeq.describe' .
VALUE LABELS compm1 TO compm99
  0 'no condition present'
  1 'has condition'.
RECODE compm1 TO compm15 (SYSMIS=0).
  
```

**CONDCNT: (D) Number of grouped condition categories**

0 No LS illness

**CONDCNT2: (D) Number of grouped conditions - 4 plus**

0 No LS illness

4 4 or more

**SPSS Syntax**

```
IF (longill = 2) condcnt = 0 .
DO IF (longill = 1).
COUNT condcnt = compm1 TO compm15 (1) .
END IF .
IF (longill = 1 & (illsm1 = 41 | illsm1<0)) condcnt = 1 .
IF (longill<0) condcnt = -9 .
RECODE condcnt (4 thru hi=4)(ELSE=COPY) INTO condcnt2.
VARIABLE LABEL condcnt "(D) Number of grouped condition categories" .
VALUE LABELS condcnt
  0 'no LS illness'.
VARIABLE LABEL condcnt2 "(D) Number of grouped conditions - 4 plus" .
VALUE LABELS condcnt2
  0 'no LS illness'
  4 '4 or more'.
```

**LIMITILL: (D) Limiting longstanding illness**

1 Limiting LI

2 Non limiting LI

3 No LI

**SPSS Syntax**

```
COMPUTE limitill = -1.
DO IF any(indout,110,210).
RECODE longill (1=2) (2=3) (ELSE=COPY) INTO limitill.
IF (limitact=1) limitill=1.
END IF.
VARIABLE LABEL limitill '(D) Limiting longstanding illness'.
VALUE LABELS limitill
  1 'Limiting LI'
  2 'Non limiting LI'
  3 'No LI'.
```

## Prescribed Medicines: Drugs affecting blood analytes

**DIUR: (D) Diuretics (Blood pressure)**

**BETA: (D) Beta blockers (Blood pressure/Fibrinogen)**

**ACEINH: (D) Ace inhibitors (Blood pressure)**

**CALCIUMB: (D) Calcium blockers (Blood pressure)**

**OBPDRUG: (D) Other drugs affecting BP**

**LIPID: (D) Lipid lowering (Cholesterol/Fibrinogen) - prescribed**

**IRON: (D) Iron deficiency (Haemoglobin/Ferritin)**

**BPMEDC: (D) Whether taking drugs affecting blood pressure**

**BPMEDD: (D) Whether taking drugs prescribed for blood pressure**

0 Not taking drug

1 Taking drug

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

**SPSS Syntax**

```
DO REPEAT xxdrug2=diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmedc2 bpmedd2.
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.
```

```

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(xxcode2,20501,20502,20503,20504,20506) obpdrug2=1.
IF ANY(xxcode2,21200, 21201, 21202) lipid2=1.
IF xxcode2=90101 iron2=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.
VARIABLE LABELS diur2 "(D) Diuretics (Blood pressure) {revised}".
VARIABLE LABELS beta2 "(D) Beta blockers (Blood pressure/Fibrinogen) {revised}".
VARIABLE LABELS aceinh2 "(D) Ace inhibitors (Blood pressure) {revised}".
VARIABLE LABELS calciumb2 "(D) Calcium blockers (Blood pressure) {revised}".
VARIABLE LABELS obpdrug2 "(D) Other drugs affecting BP {revised}" .
VARIABLE LABELS lipid2 "(D) Lipid lowering (Cholesterol/Fibrinogen) - prescribed {revised}" .
VARIABLE LABELS iron2 "(D) Iron deficiency (Haemoglobin/Ferritin) {revised}" .
VARIABLE LABELS bpmedc2 "(D) Whether taking drugs affecting blood pressure {revised}".
VARIABLE LABELS bpmedd2 "(D) Whether taking drugs prescribed for blood pressure {revised}".
VALUE LABELS diur2 beta2 aceinh2 calciumb2 obpdrug2 lipid2 iron2 bpmedc2 bpmedd2
  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 LABEL medcnj "(D) Whether taking medication - excluding contraceptives only" .
VALUE LABELS medcnj
  1 'Yes'
  2 'No'
  3 'Yes, but unable to code as name of drug(s) not available'.

```

MEDTYP1: (D) Cardio-vascular medicine taken ?

MEDTYP2: (D) Gastrointestinal medicine taken ?

MEDTYP3: (D) Respiratory medicine taken ?

MEDTYP4: (D) CNS medicine taken ?

MEDTYP5: (D) Medicine for infection taken ?

MEDTYP6: (D) Endocrine medicine taken ?

MEDTYP7: (D) Gynae/Urinary medicine taken ?

MEDTYP8: (D) Cytotoxic medicine taken ?

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

MEDTYP10: (D) Musculoskeletal medicine taken ?

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

MEDTYP12: (D) Medicine for skin taken ?

MEDTYP13: (D) Other medicine taken ?

- 0 No
- 1 Yes

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

### SPSS Syntax

```

DO REPEAT xtyp = medtyp1 TO medtyp13.
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,40101,41003)) 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,80101,80304)) medtyp8 = 1.
IF (RANGE(xmed,90101,90802)) medtyp9 = 1.
IF (RANGE(xmed,100101,100302)) medtyp10 = 1.
IF (RANGE(xmed,110101,110802,120101,120304)) medtyp11 = 1.
IF (RANGE(xmed,130100,131400)) medtyp12 = 1.
IF (xmed=140400) medtyp13 = 1.
END REPEAT.
VARIABLE LABEL medtyp1 '(D) Cardio-vascular medicine taken?' .
VARIABLE LABEL medtyp2 '(D) Gastrointestinal medicine taken?' .
VARIABLE LABEL medtyp3 '(D) Respiratory medicine taken?' .
VARIABLE LABEL medtyp4 '(D) CNS medicine taken?' .
VARIABLE LABEL medtyp5 '(D) Medicine for infection taken?' .
VARIABLE LABEL medtyp6 '(D) Endocrine medicine taken?' .
VARIABLE LABEL medtyp7 '(D) Gynae/Urinary medicine taken?' .
VARIABLE LABEL medtyp8 '(D) Cytotoxic medicine taken?' .
VARIABLE LABEL medtyp9 '(D) Medicine for nutrition/blood taken?' .
VARIABLE LABEL medtyp10 '(D) Musculoskeletal medicine taken?' .
VARIABLE LABEL medtyp11 '(D) Eye/Ear etc medicine taken?' .
VARIABLE LABEL medtyp12 '(D) Medicine for skin taken?' .
VARIABLE LABEL medtyp13 '(D) Other medicine taken?' .
VALUE LABELS medtyp1 TO medtyp13
  0 'No'
  1 'Yes'.

```

## NUMED2: (D) Number of prescribed medicines taken

0 Doesn't take prescribed meds

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

0 Doesn't take prescribed meds

4 Four or more

### SPSS Syntax

```

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

```

# 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'.

```

# Dental health

## DENTATE: (D) Number of natural teeth

0 No natural teeth

1 Fewer than 10

2 10 to 19

**SPSS Syntax**

```

Recode natteeth ( lo thru hi = copy ) into dentate .
if denhlth = 1 | denhlth=4 dentate=0 .
var lab dentate '(D) Number of natural teeth' .
val lab dentate -8 "Don't know" -1 'Not applicable' 0 'No natural teeth' 1 'Fewer than 10' 2 '10 to 19' 3
'20 or more' .

```

**DPROBNUM: (D) Number of dental problems****SPSS Syntax**

```

COUNT dprobnum=DenProb1 DenProb2 DenProb3 DenProb4(1).
if (DenProb1=-1 or DenProb2 =-1 or DenProb3=-1 or DenProb4=-1) dprobnum=-1.
if (DenProb1=-8 or DenProb2 =-8 or DenProb3=-8 or DenProb4=-8) dprobnum=-8.
if (DenProb1=-9 or DenProb2 =-9 or DenProb3=-9 or DenProb4=-9) dprobnum=-9.
VARIABLE LABELS dprobnum '(D) Number of dental problems'.

```

## Personal care plans

**PCAREP: (D) Been offered a personal care plan**

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

**SPSS syntax**

```

compute pcarep=9.
if age<16 pcarep=-1.
if limitill=3 pcarep=-1.
if planag=1 pcarep=1.
if planag=2 pcarep=2.
if planag=3 and whynopl=2 pcarep=3.
if planag=3 and whynopl=95 pcarep=4.
if planag=3 and whynopl=1 pcarep=4.
if planag=3 and offplan=2 and likeplan=1 pcarep=5.
if planag=3 and offplan=2 and likeplan=2 pcarep=6.
if planag=3 and offplan=2 and likeplan=3 pcarep=7.
if any (-8, planag, whynopl, offplan, likeplan) pcarep=-8.
if any (-9, planag, whynopl, offplan, likeplan) pcarep=-9.
if planag<0 pcarep=planag.
VARIABLE LABELS pcarep "(D) Been offered a personal care plan?" .
VALUE LABELS pcarep
  -2 'Schedule not applicable'
  -1 'Item not applicable'
  1 'Agreed pcp in last 12 months'
  2 'Agreed pcp in more than 12 months'
  3 'Discussing, but not yet agreed'
  4 'Offered, but did not want one/not suitable'
  5 'Not offered, but would like one'
  6 'Not offered, and did not want one'
  7 'Not offered, and dont know whether want one'.

```

# Pain

## Chronic pain

### CPI: (D) Characteristic Pain Intensity

#### SPSS Syntax

```
compute CPI=-1.
do if (painnow>=0 and worstp>=0 and usualp>=0).
compute CPI=painnow+worstp+usualp.
end if.
variable labels CPI '(D) Characteristic Pain Intensity'.
```

### FIDS: (D) Four-item Disability Score

#### SPSS Syntax

```
compute FIDS=-1.
do if (dailyyp>=0 and socialp>=0 and workp>=0 and impactp2>=0).
compute FIDS=dailyyp+socialp+workp+impactp2.
end if.
exe.
variable labels FIDS '(D) Four-Item Disability Score'.
```

### TIDS: (D) Two-item Disability Score

#### SPSS Syntax

```
compute TIDS=-1.
do if (dailyyp>=0 and impactp2>=0).
compute TIDS=dailyyp+impactp2.
end if.
variable labels TIDS '(D) Two-Item Disability Score'.
```

### IMPACTP2: (D) IMPACTP recoded to Graded Pain Scale categories

#### SPSS Syntax

```
recode IMPACTP (0=0) (1=1) (2=2) (3=3) (4=4) (5=5) (6=6) (7=7) (8,9=8) (10=9) (11=10) (ELSE=COPY) INTO
IMPACTP2.
variable labels IMPACTP2 '(D) IMPACTP re-coded to Graded Chronic Pain Scale categories'.
```

### PAINGRADE1: (D) Chronic Pain Grade based on GCPS Version 2.0

- 0 Grade 0
- 1 Grade I – Low intensity
- 2 Grade II – High intensity
- 3 Grade III- Moderately limiting
- 4 Grade IV- Severely limiting

#### SPSS Syntax

```
compute PainGradel=-5.
if CPI>=0 and CPI<15 and FIDS>=0 and FIDS<17 PainGradel=1.
if CPI>=15 and FIDS<17 PainGradel=2.
if FIDS>=17 and FIDS<=24 PainGradel=3.
if FIDS>=25 PainGradel=4.
if Anypain=2 PainGradel=0.
if more3m=2 PainGradel=0.
if PainGradel=-5 and more3m=-1 PainGradel=-1.
exe.
variable labels PainGradel '(D) Chronic Pain Grade based on GCPS Version 2.0'.
value labels PainGradel -1 'Not applicable'
0 'Grade 0 '
1 'Grade I - Low intensity'
2 'Grade II - High intensity'
3 'Grade III - Moderately limiting'
4 'Grade IV - Severely limiting'.
```

### PAINGRADE2: (D) Chronic Pain Grade based on 3-item GCP-PCS

- 0 Grade 0

- 1 Grade I – Low intensity
- 2 Grade II – High intensity
- 3 Grade III- Moderately limiting
- 4 Grade IV- Severely limiting

#### SPSS Syntax

```
compute PainGrade2=-5.
*if usualp=0 and TIDS=0 PainGrade2=0.
*if usualp=0 and TIDS>=1 and TIDS<9 PainGrade2=1.
*if usualp>=1 and usualp<5 and TIDS<9 PainGrade2=1.
if usualp>=0 and usualp<5 and TIDS>=0 and TIDS<9 PainGrade2=1.
if CPI>=5 and TIDS<9 PainGrade2=2.
if TIDS>=9 and TIDS<=12 PainGrade2=3.
if TIDS>=13 PainGrade2=4.
if Anypain=2 PainGrade2=0.
if more3m=2 PainGrade2=0.
if PainGrade2=-5 and more3m=-1 PainGrade2=-1.
exe.
variable labels PainGrade2 '(D) Chronic Pain Grade based on 3-item GCP-PCS'.
value labels PainGrade2 -1 'Not applicable'
0 'Grade 0 '
1 'Grade I - Low intensity'
2 'Grade II - High intensity'
3 'Grade III - Moderately limiting'
4 'Grade IV - Severely limiting'.
```

#### CPAIN: (D) Whether has chronic pain

- 1 Yes
- 2 No

#### SPSS Syntax

```
compute CPain=-999.
if anypain=1 & more3m=1 cpain=1.
if anypain=1 & more3m=2 cpain=2.
if anypain=2 cpain=2.
if anypain<0 cpain=anypain.
var lab cpain "(D) Whether has chronic pain".
val lab cpain
1 "Yes"
2 "No".
```

# Smoking

## Adult Current Smokers

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

### SPSS Syntax

```
IF cigwday>=0 & cigwend>=0 cigdyal=((5*cigwday)+(2*cigwend))/7.
IF ANY(-9,cigwday,cigwend) cigdyal=-9.
IF ANY(-8,cigwday,cigwend) cigdyal=-8.
IF age<16 cigdyal=-1.
RECODE cignow(-9,-8,-1=COPY) (2=0) INTO cigdyal.
RECODE smkevr(-9,-8,-1=COPY) (2=0) INTO cigdyal.
RECODE cigevr(-9,-8=COPY) (2=0) INTO cigdyal.
VARIABLE LABELS cigdyal "(D) Number of cigarettes smoke a day - inc. non-smokers".
```

## Adults General

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

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

### SPSS Syntax

```
IF any(2,cigevr,smkevr) cigst1=1.
RECODE cigreg (3=1) (2=2) (1=3) INTO cigst1.
IF cignow=1 cigst1=4.
IF ANY(-9,smkevr,cignow,cigevr,cigreg) cigst1=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigreg) cigst1=-8.
IF smkevr=-1 cigst1=-1.
IF age<16 cigst1=-1.
VARIABLE LABELS cigst1 "(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current".
VALUE LABELS cigst1
  1 "Never smoked cigarettes at all"
  2 "Used to smoke cigarettes occasionally"
  3 "Used to smoke cigarettes regularly"
  4 "Current cigarette smoker".
```

CIGSTA3: (D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg

- 1 Current cigarette smoker
- 2 Ex-regular cigarette smoker
- 3 Never regular cigarette smoker

### SPSS Syntax

```
IF any(2,cigevr,smkevr) cigsta3=3.
RECODE cigreg (1=2) (2,3=3) INTO cigsta3.
IF cignow=1 cigsta3=1.
IF ANY(-9,smkevr,cignow,cigevr,cigreg) cigsta3=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigreg) cigsta3=-8.
IF smkevr=-1 cigsta3=-1.
IF age<16 cigsta3=-1.
VARIABLE LABELS cigsta3 "(D) Cigarette Smoking Status: Current/Ex-Reg/Never-Reg".
VALUE LABELS cigsta3
  1 "Current cigarette smoker"
  2 "Ex-regular cigarette smoker"
  3 "Never regular cigarette smoker".
```

CIGST2: (D) Cigarette Smoking Status - Banded current smokers

- 1 Light smokers, under 10 a day
- 2 Moderate smokers, 10 to under 20 a day
- 3 Heavy smokers, 20 or more a day
- 4 Don't know number smoked a day
- 5 Non-smoker

### SPSS Syntax

```
RECODE cigdyal (-9=4) (-8=4) (-1=-1) (20 thru hi=3) (10 thru 20=2) (0 thru 10=1) INTO cigst2.
RECODE cignow (-9=-9) (-8=-8) (2=5) INTO cigst2.
```

```

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

```

## 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".

```

## Cotinine

COTVAL: (D) Valid Cotinine (saliva est.)

COT15VAL: (D) Valid Cotinine (saliva est.): 0<15,15+

- 1 0<15 ng/ml
- 2 15+ ng/ml
- 90 Use nicotine products

### SPSS Syntax

```

COMPUTE cotval=cotinine.
IF nicuseb=1 cotval=-90.
VARIABLE LABEL cotval "(D) Valid Cotinine (saliva)".
VALUE LABELS cotval
  -90 "Use nicotine products".
RECODE cotval (lo thru -1=COPY) (15 thru hi=2) (0 thru 15=1) INTO cot15val.
VARIABLE LABEL cot15val "(D) Valid Cotinine (saliva): 0<15,15+".
VALUE LABELS cot15val
  1 "0<15 ng/ml"
  2 "15+ ng/ml"
  -90 "Use nicotine products".

```

NICUSEB: (D) Used nicotine products in last 7 days e.g. gum, patch, nasal spray

- 1 Uses nicotine products
- 2 Doesn't use nicotine products

### SPSS Syntax

```

COMPUTE nicuseb=2.
RECODE usegum (lo thru -1=COPY) INTO nicuseb.
IF ANY(1,usegum,usepat,usenase) nicuseb=1.
IF ANY(-9,usegum,usepat,usenase) nicuseb=-9.
VARIABLE LABEL nicuseb "(D) Used nicotine products in last 7 days e.g. gum, patch, nasal spray".
VALUE LABELS nicuseb
  1 "Uses nicotine products"
  2 "Doesn't use nicotine products".

```

# Social care

## Help with tasks

RECHELA: (D) Received help: Bed  
RECHELB: (D) Received help: Wash  
RECHELC: (D) Received help: Shower  
RECHELD: (D) Received help: Dress  
RECHELE: (D) Received help: Toilet  
RECHELF: (D) Received help: Eat  
RECHELG: (D) Received help: Medicine  
RECHELH: (D) Received help: Indoors  
RECHELI: (D) Received help: Stairs  
RECHELJ: (D) Received help: House  
RECHELK: (D) Received help: Shop  
RECHELL: (D) Received help: Housework  
RECHELM: (D) Received help: Paperwork

- 1 Own
- 2 Need
- 3 No help received

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

### SPSS Syntax

```
*STAIRS.
COMPUTE recheli=99.
IF taskhlpi=1 AND (tasks=1) recheli=1.
IF taskhlpi=1 AND (tasks=2 or tasks=3 or tasks=4) recheli=2.
IF taskhlpi=2 recheli=3.
IF taskhlpi<=0 recheli=taskhlpi.
IF tasks<=0 recheli=tasks.
val lab recheli 1 'Own' 2 'Need' 3 'No help received'.
var lab recheli "(D) Received help: Stairs".

*INDOORS.
COMPUTE rechelh=99.
IF taskhlph=1 AND (tasksh=1) rechelh=1.
IF taskhlph=1 AND (tasksh=2 or tasksh=3 or tasksh=4) rechelh=2.
IF taskhlph=2 rechelh=3.
IF taskhlph<=0 rechelh=taskhlph.
IF tasksh<=0 rechelh=tasksh.
val lab rechelh 1 'Own' 2 'Need' 3 'No help received'.
var lab rechelh "(D) Received help: Indoors".

*BED.
COMPUTE rechela=99.
IF taskhlpa=1 AND (tasksa=1) rechela=1.
IF taskhlpa=1 AND (tasksa=2 or tasksa=3 or tasksa=4) rechela=2.
IF taskhlpa=2 rechela=3.
IF taskhlpa<=0 rechela=taskhlpa.
IF tasksa<=0 rechela=tasksa.
val lab rechela 1 'Own' 2 'Need' 3 'No help received'.
var lab rechela "(D) Received help: Bed".

*SHOWER.
COMPUTE rechelc=99.
IF taskhlpc=1 AND (tasksc=1) rechelc=1.
IF taskhlpc=1 AND (tasksc=2 or tasksc=3 or tasksc=4) rechelc=2.
IF taskhlpc=2 rechelc=3.
IF taskhlpc<=0 rechelc=taskhlpc.
IF tasksc<=0 rechelc=tasksc.
val lab rechelc 1 'Own' 2 'Need' 3 'No help received'.
var lab rechelc "(D) Received help: Shower".

*DRESS.
COMPUTE recheld=99.
IF taskhlpd=1 AND (tasksd=1) recheld=1.
IF taskhlpd=1 AND (tasksd=2 or tasksd=3 or tasksd=4) recheld=2.
IF taskhlpd=2 recheld=3.
IF taskhlpd<=0 recheld=taskhlpd.
IF tasksd<=0 recheld=tasksd.
val lab recheld 1 'Own' 2 'Need' 3 'No help received'.
```

```

var lab recheld "(D) Received help: Dress".

*WASH.
COMPUTE rechelb=99.
IF taskhlpb=1 AND (tasksb=1) rechelb=1.
IF taskhlpb=1 AND (tasksb=2 or tasksb=3 or tasksb=4) rechelb=2.
IF taskhlpb=2 rechelb=3.
IF taskhlpb<=0 rechelb=taskhlpb.
IF tasksb<=0 rechelb=tasksb.
val lab rechelb 1 'Own' 2 'Need' 3 'No help received'.
var lab rechelb "(D) Received help: Wash".

*TOILET.
COMPUTE rechele=99.
IF taskhlpe=1 AND (taskse=1) rechele=1.
IF taskhlpe=1 AND (taskse=2 or taskse=3 or taskse=4) rechele=2.
IF taskhlpe=2 rechele=3.
IF taskhlpe<=0 rechele=taskhlpe.
IF taskse<=0 rechele=taskse.
val lab rechele 1 'Own' 2 'Need' 3 'No help received'.
var lab rechele "(D) Received help: Toilet".

*MEDICINE.
COMPUTE rechelg=99.
IF taskhlpg=1 AND (tasksg=1) rechelg=1.
IF taskhlpg=1 AND (tasksg=2 or tasksg=3 or tasksg=4) rechelg=2.
IF taskhlpg=2 rechelg=3.
IF taskhlpg<=0 rechelg=taskhlpg.
val lab rechelg 1 'Own' 2 'Need' 3 'No help received'.
var lab rechelg "(D) Received help: Medicine".

*EAT.
COMPUTE rechelf=99.
IF taskhlpf=1 AND (tasksf=1) rechelf=1.
IF taskhlpf=1 AND (tasksf=2 or tasksf=3 or tasksf=4) rechelf=2.
IF taskhlpf=2 rechelf=3.
IF taskhlpf<=0 rechelf=taskhlpf.
IF tasksf<=0 rechelf=tasksf.
val lab rechelf 1 'Own' 2 'Need' 3 'No help received'.
var lab rechelf "(D) Received help: Eat".

*HOUSE.
COMPUTE rechelj=99.
IF taskhlpj=1 AND (tasksj=1) rechelj=1.
IF taskhlpj=1 AND (tasksj=2 or tasksj=3 or tasksj=4) rechelj=2.
IF taskhlpj=2 rechelj=3.
IF taskhlpj<=0 rechelj=taskhlpj.
val lab rechelj 1 'Own' 2 'Need' 3 'No help received'.
var lab rechelj "(D) Received help: House".

*SHOP.
COMPUTE rechelk=99.
IF taskhlpk=1 AND (tasksk=1) rechelk=1.
IF taskhlpk=1 AND (tasksk=2 or tasksk=3 or tasksk=4) rechelk=2.
IF taskhlpk=2 rechelk=3.
IF taskhlpk<=0 rechelk=taskhlpk.
IF tasksk<=0 rechelk=tasksk.
val lab rechelk 1 'Own' 2 'Need' 3 'No help received'.
var lab rechelk "(D) Received help: Shop".
fre rechelk.

*HWORK.
COMPUTE rechell=99.
IF taskhlpl=1 AND (tasksl=1) rechell=1.
IF taskhlpl=1 AND (tasksl=2 or tasksl=3 or tasksl=4) rechell=2.
IF taskhlpl=2 rechell=3.
IF taskhlpl<=0 rechell=taskhlpl.
IF tasksl<=0 rechell=tasksl.
val lab rechell 1 'Own' 2 'Need' 3 'No help received'.
var lab rechell "(D) Received help: Housework".
fre rechell.

*PWORK.
COMPUTE rechelm=99.
IF taskhlpm=1 AND (tasksm=1) rechelm=1.
IF taskhlpm=1 AND (tasksm=2 or tasksm=3 or tasksm=4) rechelm=2.
IF taskhlpm=2 rechelm=3.
IF taskhlpm<=0 rechelm=taskhlpm.
IF tasksm<=0 rechelm=tasksm.
val lab rechelm 1 'Own' 2 'Need' 3 'No help received'.
var lab rechelm "(D) Received help: Paperwork".

```

RECHELABI: (D) Received help: Bed (binary)  
 RECHELBBI: (D) Received help: Wash (binary)  
 RECHELCBI: (D) Received help: Shower (binary)  
 RECHELDBI: (D) Received help: Dress (binary)  
 RECHELEBI: (D) Received help: Toilet (binary)  
 RECHELFBI: (D) Received help: Eat (binary)  
 RECHELGBI: (D) Received help: Medicine (binary)  
 RECHELHBI: (D) Received help: Indoors (binary)  
 RECHELIBI: (D) Received help: Stairs (binary)  
 RECHELJBI: (D) Received help: House (binary)  
 RECHELKBI: (D) Received help: Shop (binary)  
 RECHELLBI: (D) Received help: Housework (binary)  
 RECHELMBI: (D) Received help: Paperwork (binary)

- 1 Help
- 2 No help

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

#### **SPSS Syntax**

```

COMPUTE rechelibi=recheli.
IF recheli=1 or recheli=2 rechelibi=1.
IF recheli=3 rechelibi=2.
val lab rechelibi 2 'No help' 1 'Help'.

COMPUTE rechelhbi=rechelh.
IF rechelh=1 or rechelh=2 rechelhbi=1.
IF rechelh=3 rechelhbi=2.
val lab rechelhbi 2 'No help' 1 'Help'.

COMPUTE rechelabi=rechela.
IF rechela=1 or rechela=2 rechelabi=1.
IF rechela=3 rechelabi=2.
val lab rechelabi 2 'No help' 1 'Help'.

COMPUTE rechelcbi=rechelc.
IF rechelc=1 or rechelc=2 rechelcbi=1.
IF rechelc=3 rechelcbi=2.
val lab rechelcbi 2 'No help' 1 'Help'.

COMPUTE recheldbi=recheld.
IF recheld=1 or recheld=2 recheldbi=1.
IF recheld=3 recheldbi=2.
val lab recheldbi 2 'No help' 1 'Help'.

COMPUTE rechelbbi=rechelb.
IF rechelb=1 or rechelb=2 rechelbbi=1.
IF rechelb=3 rechelbbi=2.
val lab rechelbbi 2 'No help' 1 'Help'.

COMPUTE rechelebi=rechele.
IF rechele=1 or rechele=2 rechelebi=1.
IF rechele=3 rechelebi=2.
val lab rechelebi 2 'No help' 1 'Help'.

COMPUTE rechelgbi=rechelg.
IF rechelg=1 or rechelg=2 rechelgbi=1.
IF rechelg=3 rechelgbi=2.
val lab rechelgbi 2 'No help' 1 'Help'.

COMPUTE rechelfbi=rechelf.
IF rechelf=1 or rechelf=2 rechelfbi=1.
IF rechelf=3 rechelfbi=2.
val lab rechelfbi 2 'No help' 1 'Help'.

COMPUTE recheljbi=rechelj.
IF rechelj=1 or rechelj=2 recheljbi=1.
IF rechelj=3 recheljbi=2.
val lab recheljbi 2 'No help' 1 'Help'.

COMPUTE rechelkbi=rechelk.
IF rechelk=1 or rechelk=2 rechelkbi=1.
IF rechelk=3 rechelkbi=2.
val lab rechelkbi 2 'No help' 1 'Help'.

COMPUTE rechellbi=rechell.
IF rechell=1 or rechell=2 rechellbi=1.
IF rechell=3 rechellbi=2.
val lab rechellbi 2 'No help' 1 'Help'.

```

```

COMPUTE rechelmi=rechelm.
IF rechelm=1 or rechelm=2 rechelmi=1.
IF rechelm=3 rechelmi=2.
val lab rechelmi 2 'No help' 1 'Help'.
EXE.
Var labels rechelabi "(D) Received help: Bed (binary)"
rechelbbi "(D) Received help: Wash (binary)"
rechelcbi "(D) Received help: Shower (binary)"
recheldbi "(D) Received help: Dress (binary)"
rechelebi "(D) Received help: Toilet (binary)"
rechelfbi "(D) Received help: Eat (binary)"
rechelgbi "(D) Received help: Medicine (binary)"
rechelhbi "(D) Received help: Indoors (binary)"
rechelibi "(D) Received help: Stairs (binary)"
recheljbi "(D) Received help: House (binary)"
rechelkbi "(D) Received help: Shop (binary)"
rechellbi "(D) Received help: Housework (binary)"
rechelmi "(D) Received help: Paperwork (binary)".

```

NDHLPA: (D) Need help: Bed

NDHLPB: (D) Need help: Wash

NDHLPC: (D) Need help: Shower

NDHLPD: (D) Need help: Dress

NDHLPE: (D) Need help: Toilet

NDHLPF: (D) Need help: Eat

NDHLPG: (D) Need help: Medicine

NDHLPH: (D) Need help: Indoors

NDHLPI: (D) Need help: Stairs

NDHLPJ: (D) Need help: House

NDHLPK: (D) Need help: Shop

NDHLPL: (D) Need help: Housework

NDHLPM: (D) Need help: Paperwork

0 No  
1 Yes

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

#### **SPSS Syntax**

```

RECODE tasksi (1=0) (2 thru 4=1)(else=copy) INTO ndhlpi.
val lab ndhlpi 0 'No' 1 'Yes'.
RECODE tasksh (1=0) (2 thru 4=1)(else=copy) INTO ndhlph.
val lab ndhlph 0 'No' 1 'Yes'.
RECODE tasksa (1=0) (2 thru 4=1)(else=copy) INTO ndhlpa.
val lab ndhlpa 0 'No' 1 'Yes'.
RECODE tasksc (1=0) (2 thru 4=1)(else=copy) INTO ndhlpc.
val lab ndhlpc 0 'No' 1 'Yes'.
RECODE tasksd (1=0) (2 thru 4=1)(else=copy) INTO ndhlpd.
val lab ndhlpd 0 'No' 1 'Yes'.
RECODE tasksb (1=0) (2 thru 4=1)(else=copy) INTO ndhlpb.
val lab ndhlpb 0 'No' 1 'Yes'.
RECODE taskse (1=0) (2 thru 4=1)(else=copy) INTO ndhlpe.
val lab ndhlpe 0 'No' 1 'Yes'.
RECODE tasksg (1=0) (2 thru 4=1)(else=copy) INTO ndhlpg.
val lab ndhlpg 0 'No' 1 'Yes'.
RECODE tasksf (1=0) (2 thru 4=1)(else=copy) INTO ndhlpf.
val lab ndhlpf 0 'No' 1 'Yes'.
RECODE tasksj (1=0) (2 thru 4=1)(else=copy) INTO ndhlpj.
val lab ndhlpj 0 'No' 1 'Yes'.
RECODE tasksk (1=0) (2 thru 4=1)(else=copy) INTO ndhlpk.
val lab ndhlpk 0 'No' 1 'Yes'.
RECODE tasksl (1=0) (2 thru 4=1)(else=copy) INTO ndhlpl.
val lab ndhlpl 0 'No' 1 'Yes'.
RECODE tasksm (1=0) (2 thru 4=1)(else=copy) INTO ndhlpm.
val lab ndhlpm 0 'No' 1 'Yes'.

```

```

Variable labels ndhlpa "(D) Need help: Bed"
ndhlpb "(D) Need help: Wash"
ndhlpc "(D) Need help: Shower"
ndhlpd "(D) Need help: Dress"
ndhlpe "(D) Need help: Toilet"
ndhlpf "(D) Need help: Eat"
ndhlpg "(D) Need help: Medicine"
ndhlph "(D) Need help: Indoors"
ndhlpi "(D) Need help: Stairs"
ndhlpj "(D) Need help: House"
ndhlpk "(D) Need help: Shop"
ndhlpl "(D) Need help: Housework"
ndhlpm "(D) Need help: Paperwork".

```

ANYADL: (D) Any personal activities

ANYEXSH: (D) Any personal activities, excluding bath or shower

ANYIADL: (D) Any instrumental activities

0 No  
1 Yes

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

#### **SPSS Syntax**

```
COMPUTE anyadl=-1.  
IF (ndhlpi=1 or ndhlph=1 or ndhlpa=1 or ndhlpc=1 or ndhlpd=1 or ndhlpb=1 or ndhlpe=1 or ndhlpf=1 or  
ndhlpf=1) anyadl=1.  
IF (ndhlpi=0 and ndhlph=0 and ndhlpa=0 and ndhlpc=0 and ndhlpd=0 and ndhlpb=0 and ndhlpe=0 and ndhlpf=0  
and ndhlpf=0) anyadl=0.  
val lab anyadl 0 'No' 1 'Yes'.  
Var lab anyadl "(D) Any personal activities".  
  
COMPUTE anyexsh=-1.  
IF (ndhlpi=1 or ndhlph=1 or ndhlpa=1 or ndhlpd=1 or ndhlpb=1 or ndhlpe=1 or ndhlpf=1 or ndhlpf=1)  
anyexsh=1.  
IF (ndhlpi=0 and ndhlph=0 and ndhlpa=0 and ndhlpd=0 and ndhlpb=0 and ndhlpe=0 and ndhlpf=0 and ndhlpf=0)  
anyexsh=0.  
val lab anyexsh 0 'No' 1 'Yes'.  
Var lab anyexsh "(D) Any personal activities, excluding bath or shower".  
  
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.  
val lab anyiadl 0 'No' 1 'Yes'.  
Var lab anyiadl "(D) Any instrumental activities".
```

HELPA DL: (D) Any personal activities (age 65+ only)

HELPEXSH: (D) Any personal activities, excluding bath or shower (age 65+ only)

HELPIADL: (D) Any instrumental activities (age 65+ only)

0 No  
1 Yes

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

#### **SPSS Syntax**

```
DO IF ag16g10 >=6.  
COMPUTE helpadl=-9.  
IF (taskhlpi=1 or taskhlph=1 or taskhlpa=1 or taskhlpc=1 or taskhlpd=1 or taskhlpb=1 or taskhlpe=1 or  
taskhlpg=1 or taskhlpf=1) helpadl=1.  
IF (taskhlpi=2 and taskhlph=2 and taskhlpa=2 and taskhlpc=2 and taskhlpd=2 and taskhlpb=2 and taskhlpe=2  
and taskhlpg=2 and taskhlpf=2) helpadl=0.  
ELSE IF ag16g10<6.  
COMPUTE helpadl=-1.  
END IF.  
val lab helpadl 0 'No' 1 'Yes'.  
var lab helpadl "(D) Any personal activities (age 65+ only)".  
  
DO IF ag16g10 >=6.  
COMPUTE helpexsh=-9.  
IF (taskhlpi=1 or taskhlph=1 or taskhlpa=1 or taskhlpd=1 or taskhlpb=1 or taskhlpe=1 or taskhlpg=1 or  
taskhlpf=1) helpexsh=1.  
IF (taskhlpi=2 and taskhlph=2 and taskhlpa=2 and taskhlpd=2 and taskhlpb=2 and taskhlpe=2 and taskhlpg=2  
and taskhlpf=2) helpexsh=0.  
ELSE IF ag16g10<6.  
COMPUTE helpexsh=-1.  
END IF.  
val lab helpexsh 0 'No' 1 'Yes'.  
var lab helpexsh "(D) Any personal activities, excluding bath or shower (age 65+ only)".  
  
DO IF ag16g10 >=6.  
COMPUTE helpiadl=-9.  
IF (taskhlpj=1 or taskhlpk=1 or taskhlpl=1 or taskhlpm=1) helpiadl=1.  
IF (taskhlpj=2 and taskhlpk=2 and taskhlpl=2 and taskhlpm=2) helpiadl=0.  
ELSE IF ag16g10<6.  
COMPUTE helpiadl=-1.  
END IF.  
val lab helpiadl 0 'No' 1 'Yes'.  
var lab helpiadl "(D) Any instrumental activities (age 65+ only)".
```

UNMETA: (D) Unmet need: Bed  
 UNMETB: (D) Unmet need: Wash  
 UNMETC: (D) Unmet need: Shower  
 UNMETD: (D) Unmet need: Dress  
 UNMETE: (D) Unmet need: Toilet  
 UNMETF: (D) Unmet need: Eat  
 UNMETG: (D) Unmet need: Medicine  
 UNMETH: (D) Unmet need: Indoors  
 UNMETI: (D) Unmet need: Stairs  
 UNMETJ: (D) Unmet need: House  
 UNMETK: (D) Unmet need: Shop  
 UNMETL: (D) Unmet need: Housework  
 UNMETM: (D) Unmet need: Paperwork

- 1 Unmet
- 2 Met
- 3 No need

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

#### **SPSS Syntax**

```

COMPUTE unmeti=-1.
IF ndhlpi=1 AND taskhlpi=2 unmeti=1.
IF ndhlpi=1 AND taskhlpi=1 unmeti=2.
IF ndhlpi=0 unmeti=3.
val lab unmeti 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmeth=-1.
IF ndhlph=1 AND taskhlph=2 unmeth=1.
IF ndhlph=1 AND taskhlph=1 unmeth=2.
IF ndhlph=0 unmeth=3.
val lab unmeth 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmeta=-1.
IF ndhlpa=1 AND taskhlpa=2 unmeta=1.
IF ndhlpa=1 AND taskhlpa=1 unmeta=2.
IF ndhlpa=0 unmeta=3.
val lab unmeta 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmetc=-1.
IF ndhlpc=1 AND taskhlpc=2 unmetc=1.
IF ndhlpc=1 AND taskhlpc=1 unmetc=2.
IF ndhlpc=0 unmetc=3.
val lab unmetc 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmetd=-1.
IF ndhlpd=1 AND taskhlpd=2 unmetd=1.
IF ndhlpd=1 AND taskhlpd=1 unmetd=2.
IF ndhlpd=0 unmetd=3.
val lab unmetd 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmetb=-1.
IF ndhlpb=1 AND taskhlpb=2 unmetb=1.
IF ndhlpb=1 AND taskhlpb=1 unmetb=2.
IF ndhlpb=0 unmetb=3.
val lab unmetb 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmete=-1.
IF ndhlpe=1 AND taskhlpe=2 unmete=1.
IF ndhlpe=1 AND taskhlpe=1 unmete=2.
IF ndhlpe=0 unmete=3.
val lab unmete 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmetg=-1.
IF ndhlpg=1 AND taskhlpg=2 unmetg=1.
IF ndhlpg=1 AND taskhlpg=1 unmetg=2.
IF ndhlpg=0 unmetg=3.
val lab unmetg 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmetf=-1.
IF ndhlpf=1 AND taskhlpf=2 unmetf=1.
IF ndhlpf=1 AND taskhlpf=1 unmetf=2.
IF ndhlpf=0 unmetf=3.
val lab unmetf 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmetj=-1.
IF ndhlpj=1 AND taskhlpj=2 unmetj=1.
IF ndhlpj=1 AND taskhlpj=1 unmetj=2.
IF ndhlpj=0 unmetj=3.
val lab unmetj 1 'Unmet' 2 'Met' 3 'No need'.

```

```

COMPUTE unmetk=-1.
IF ndhlpk=1 AND taskhlpk=2 unmetk=1.
IF ndhlpk=1 AND taskhlpk=1 unmetk=2.
IF ndhlpk=0 unmetk=3.
val lab unmetk 1 'Unmet' 2 'Met' 3 'No need'.

COMPUTE unmetl=-1.
IF ndhlpl=1 AND taskhlpl=2 unmetl=1.
IF ndhlpl=1 AND taskhlpl=1 unmetl=2.
IF ndhlpl=0 unmetl=3.
val lab unmetl 1 'Unmet' 2 'Met' 3 'No need'.

COMPUTE unmetm=-1.
IF ndhlpm=1 AND taskhlpm=2 unmetm=1.
IF ndhlpm=1 AND taskhlpm=1 unmetm=2.
IF ndhlpm=0 unmetm=3.
val lab unmetm 1 'Unmet' 2 'Met' 3 'No need'.

Var labs unmeta "(D) Unmet need: Bed"
unmetb "(D) Unmet need: Wash"
unmetc "(D) Unmet need: Shower"
unmetd "(D) Unmet need: Dress"
unmete "(D) Unmet need: Toilet"
unmetf "(D) Unmet need: Eat"
unmetg "(D) Unmet need: Medicine"
unmeth "(D) Unmet need: Indoors"
unmeti "(D) Unmet need: Stairs"
unmetj "(D) Unmet need: House"
unmetk "(D) Unmet need: Shop"
unmetl "(D) Unmet need: Housework"
unmetm "(D) Unmet need: Paperwork".

```

**UNADL: (D) Unmet need: Any personal activities**

**UNIADL: (D) Unmet need: Any instrumental activities**

- 0 No
- 1 Yes

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

#### **SPSS Syntax**

```

COMPUTE unadl=-1.
IF (unmeti=1 or unmeth=1 or unmeta=1 or unmetc=1 or unmetd=1 or unmetb=1 or unmete=1 or unmetg=1 or
unmetf=1) unadl=1.
IF (unmeti=2 and unmeth=2 and unmeta=2 and unmetc=2 and unmetd=2 and unmetb=2 and unmete=2 and unmetg=2
and unmetf=2) unadl=0.
IF (unmeti=3 and unmeth=3 and unmeta=3 and unmetc=3 and unmetd=3 and unmetb=3 and unmete=3 and unmetg=3
and unmetf=3) unadl=0.
do if unadl=-1.
if (ANY(2,unmeti, unmeth, unmeta, unmetc, unmetd, unmetb, unmete, unmetg, unmetf)) unadl=0.
if (ANY(3,unmeti, unmeth, unmeta, unmetc, unmetd, unmetb, unmete, unmetg, unmetf)) unadl=0.
end if.
if (unmeti=-9 and unmeth=-9 and unmeta=-9 and unmetc=-9 and unmetd=-9 and unmetb=-9 and unmete=-9 and
unmetg=-9 and unmetf=-9) unadl=-9.
val lab unadl 0 'No' 1 'Yes'.
var lab unadl "Unmet need: Any personal activities".

COMPUTE uniadl=-1.
IF (unmetj=1 or unmetk=1 or unmetl=1 or unmetm=1) uniadl=1.
IF (unmetj=2 and unmetk=2 and unmetl=2 and unmetm=2) uniadl=0.
IF (unmetj=3 and unmetk=3 and unmetl=3 and unmetm=3) uniadl=0.
do if uniadl=-1.
if (ANY(2,unmetj, unmetk, unmetl, unmetm)) uniadl=0.
if (ANY(3,unmetj, unmetk, unmetl, unmetm)) uniadl=0.
end if.
if (unmetj=-9 and unmetk=-9 and unmetl=-9 and unmetm=-9) uniadl=-9.
val lab uniadl 0 'No' 1 'Yes'.
var lab unadl "Unmet need: Any instrumental activities".

```

**BARTHEL: (D) Person's dep – Barthel Index of ADL**

**BARTGP: (D) Person's dep – Barthel Index ADL, rec**

- 1 Barthel scr 0-4
- 2 Barthel scr 5-8
- 3 Barthel scr 9-12
- 4 Barthel scr 13-20

**BARTGP2: (D) Person's dep – Barthel Index ADL, rec 2**

- 1 Barthel scr 0-4
- 2 Barthel scr 5-8
- 3 Barthel scr 9-12

- 4 Barthel scr 13-16
- 5 Barthel scr 17-20

## BARTHEL5: (D) Person's dep – Barthel 5 Item Index ADL

### BART5GP: (D) Person's dep – Bart 5 Item Ix ADL, rec

- 1 Barthel scr 0-4
- 2 Barthel scr 5-8
- 3 Barthel scr 9-12
- 4 Barthel scr 13-20

### BART5GP2: (D) Person's dep – Bart 5 Item Ix ADL, rec 2

- 1 Barthel scr 0-4
- 2 Barthel scr 5-8
- 3 Barthel scr 9-12
- 4 Barthel scr 13-16
- 5 Barthel scr 17-20

#### SPSS Syntax

```

RECODE BOWELS (-1 = -1) (1 = 0) (2 = 2) (-9, -8, 3 = 9) INTO #BOWELS.
RECODE BLADDER (-1 = -1) (1 = 0) (2 = 2) (-9, -8, 3 = 9) INTO #BLADDER.
RECODE TASKSB (-1 = -1) (1, 2 = 1) (3, 4 = 0) (-9, -8 = 9) INTO #GROOM.
RECODE TASKSE (-1 = -1) (1 = 2) (2 = 1) (3, 4 = 0) (-9, -8 = 9) INTO #TOILET.
RECODE TASKSF (-1 = -1) (1 = 2) (2 = 1) (3, 4 = 0) (-9, -8 = 9) INTO #FEED.
RECODE TASKSA (-1 = -1) (1 = 3) (2 = 2) (3 = 1) (4 = 0) (-9, -8 = 9) INTO #TRANSF.
RECODE TASKSH (-1 = -1) (1, 2 = 3) (3 = 2) (4 = 0) (-9, -8 = 9) INTO #MOBIL.
RECODE TASKSD (-1 = -1) (1 = 2) (2 = 1) (3, 4 = 0) (-9, -8 = 9) INTO #DRESS.
RECODE TASKSI (-1 = -1) (1, 2 = 2) (3 = 1) (4 = 0) (-9, -8 = 9) INTO #STAIRS.
RECODE TASKSC (-1 = -1) (1 = 1) (2, 3, 4 = 0) (-9, -8 = 9) INTO #BATH.
DO IF (AGE LT 65).
  COMPUTE BARTHEL = -1.
ELSE IF (AGE GE 65).
  DO IF (ANY(-1, #BOWELS, #BLADDER, #GROOM, #TOILET, #FEED, #TRANSF, #MOBIL, #DRESS, #STAIRS, #BATH)).
    COMPUTE BARTHEL = -1.
  ELSE IF (ANY(9, #BOWELS, #BLADDER, #GROOM, #TOILET, #FEED, #TRANSF, #MOBIL, #DRESS, #STAIRS, #BATH)).
    COMPUTE BARTHEL = -9.
  ELSE.
    COMPUTE BARTHEL = SUM(#BOWELS, #BLADDER, #GROOM, #TOILET, #FEED, #TRANSF, #MOBIL, #DRESS, #STAIRS, #BATH).
  END IF.
END IF.
RECODE BARTHEL (0 THRU 4 = 1) (5 THRU 8 = 2) (9 THRU 12 = 3) (13 THRU 20 = 4) (-1 = -1) (-9 = -9) INTO BARTGP.
RECODE BARTHEL (0 THRU 4 = 1) (5 THRU 8 = 2) (9 THRU 12 = 3) (13 THRU 16 = 4) (17 THRU 20 = 5)
(-1 = -1) (-9 = -9) INTO BARTGP2.

DO IF (AGE LT 65).
  COMPUTE BARTHEL5 = -1.
ELSE IF (AGEOF GE 65).
  DO IF (ANY(-1, #TOILET, #TRANSF, #MOBIL, #STAIRS, #BATH)).
    COMPUTE BARTHEL5 = -1.
  ELSE IF (ANY(9, #TOILET, #TRANSF, #MOBIL, #STAIRS, #BATH)).
    COMPUTE BARTHEL5 = -9.
  ELSE.
    COMPUTE BARTHEL5 = SUM(#TOILET, #TRANSF, #MOBIL, #STAIRS, #BATH).
  COMPUTE BARTHEL5 = BARTHEL5*20/11.
  END IF.
END IF.
RECODE BARTHEL5 (12.5 THRU 20 = 4) (8.5 THRU 12.5 = 3) (4.5 THRU 8.5 = 2) (0 THRU 4.5 = 1) (-1 = -1) (-9 = -9)
INTO BART5GP.
RECODE BARTHEL5 (16.5 THRU 20 = 5) (12.5 THRU 16.5 = 4) (8.5 THRU 12.5 = 3) (4.5 THRU 8.5 = 2)
(0 THRU 4.5 = 1) (-1 = -1) (-9 = -9) INTO BART5GP2.
Var lab BARTHEL "(D) Unmet needPerson's dep - Barthel Index of ADL"
BARTGP "(D) Unmet needPerson's dep - Barthel Index ADL, rec"
BARTGP2 "(D) Unmet needPerson's dep - Barthel Index ADL, rec 2"
BARTHEL5 "(D) Unmet needPerson's dep - Barthel 5 Item Index ADL"
BART5GP "(D) Unmet needPerson's dep - Bart 5 Item Ix ADL, rec"
BART5GP2 "(D) Unmet needPerson's dep - Bart 5 Itm Ix ADL, rec 2".

VALUE LABELS  BARTGP      1 'Barthel scr 0-4'
                  2 'Barthel scr 5-8'
                  3 'Barthel scr 9-12'
                  4 'Barthel sc 13-20' /
    BARTGP2      1 'Barthel scr 0-4'
                  2 'Barthel scr 5-8'
                  3 'Barthel scr 9-12'
                  4 'Barthel sc 13-16'
                  5 'Barthel sc 17-20' /
    BART5GP      1 'Barthel scr 0-4'
                  2 'Barthel scr 5-8'
                  3 'Barthel scr 9-12'
                  4 'Barthel sc 13-20' /
    BART5GP2      1 'Barthel scr 0-4'
                  2 'Barthel scr 5-8'
                  3 'Barthel scr 9-12'

```

```
4 'Barthel sc 13-16'
5 'Barthel sc 17-20'.
```

## RECHELP: (D) Received help with ADLs/IADLs in the last month

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE rechelp=-1.
IF helpadl=1 or helpiadl=1 rechelp=1.
IF helpadl=0 and helpiadl=0 rechelp=0.
Var lab rechelp '(D) Received help with ADLs/IADLs in the last month'.
Val lab rechelp 0 "No" 1 "Yes".
```

## Formal help

### HELPFOOT: (D) Other formal helper, ADL (grouped)

### HELPFOOTI: (D) Other formal helper, IADL (grouped)

### HELPFOHC: (D) Home care worker, ADL

### HELPFONO: (D) No formal helper, ADL

0 Not mentioned  
1 Mentioned

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

### SPSS Syntax

```
COMPUTE helpfoot=99.
IF helpfor2=1 or helpfor3=1 or helpfor4=1 or helpfor5=1 or helpfor6=1 or helpfor7=1 or helpfor8=1 or
helpfo12=1 or helpfo13=1 or helpfo14=1 or helpfo15=1 or helpfo16=1 or helpfo17=1 or helpfo18=1 helpfoot=1.
IF helpfor2=0 and helpfor3=0 and helpfor4=0 and helpfor5=0 and helpfor6=0 and helpfor7=0 and helpfor8=0
and helpfo12=0 and helpfo13=0 and helpfo14=0 and helpfo15=0 and helpfo16=0 and helpfo17=0 and helpfo18=0
helpfoot=0.
IF helpfor2=-1 and helpfor3=-1 and helpfor4=-1 and helpfor5=-1 and helpfor6=-1 and helpfor7=-1 and
helpfor8=-1 and helpfo12=0 and helpfo13=0 and helpfo14=0 and helpfo15=0 and helpfo16=0 and helpfo17=0 and
helpfo18=0 helpfoot=0.
IF helpfor2=0 and helpfor3=0 and helpfor4=0 and helpfor5=0 and helpfor6=0 and helpfor7=0 and helpfor8=0
and helpfo12=-1 and helpfo13=-1 and helpfo14=-1 and helpfo15=-1 and helpfo16=-1 and helpfo17=-1 and
helpfo18=-1 helpfoot=0.
IF helpfor2=-1 and helpfor3=-1 and helpfor4=-1 and helpfor5=-1 and helpfor6=-1 and helpfor7=-1 and
helpfor8=-1 and helpfo12=-1 and helpfo13=-1 and helpfo14=-1 and helpfo15=-1 and helpfo16=-1 and helpfo17=-1
and helpfo18=-1 helpfoot=-1.
var lab helpfoot '(D) Other formal helper, ADL (grouped)'.
val lab helpfoot 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.
```

\*Other formal helper - IADL..

```
COMPUTE helpfooti=99.
IF helpfo22=1 or helpfo23=1 or helpfo24=1 or helpfo25=1 or helpfo26=1 or helpfo27=1 or helpfo28=1
helpfooti=1.
IF helpfo22=0 and helpfo23=0 and helpfo24=0 and helpfo25=0 and helpfo26=0 and helpfo27=0 and helpfo28=0
helpfooti=0.
IF helpfo22=-1 and helpfo23=-1 and helpfo24=-1 and helpfo25=-1 and helpfo26=-1 and helpfo27=-1 and
helpfo28=-1 helpfooti=-1.
var lab helpfooti '(D) Other formal helper, IADL (grouped)'.
val lab helpfooti 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.
```

\*HOME CARE WORKER - ADL.

```
COMPUTE helpfohc=99.
IF helpform=1 or helpfo11=1 helpfohc=1.
IF helpform=0 and helpfo11=0 helpfohc=0.
IF helpform=0 and helpfo11=-1 helpfohc=0.
IF helpform=-1 and helpfo11=0 helpfohc=0.
IF helpform=-1 and helpfo11=-1 helpfohc=-1.
var lab helpfohc '(D) Home care worker, ADL'.
val lab helpfohc 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.
```

\*NO FORMAL HELPER

```
COMPUTE helpfono=0.
IF helpfor9=1 and helpfo19=1 helpfono=1.
IF helpfor9=-1 and helpfo19=1 helpfono=1.
IF helpfor9=1 and helpfo19=-1 helpfono=1.
IF helpfor9=-1 and helpfo19=-1 helpfono=-1.
var lab helpfono '(D) No formal helper, ADL'.
val lab helpfono 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.
```

## ANYFOR: (D) Any formal helper - ADL

- 0 No formal helper
- 1 Formal helper

### SPSS Syntax

```
COMPUTE anyfor=99.  
IF helpfohc=1 or helpfoot=1 anyfor=1.  
IF helpfohc=0 and helpfoot=0 anyfor=0.  
IF helpfohc=-1 and helpfoot=-1 anyfor=-1.  
var lab anyfor '(D) Any formal helper - ADL'.  
val lab anyfor 0 'No formal helper' 1 'Formal helper' -1 'Not applicable'.
```

## ANYFORI: (D) Any formal helper - IADL

- 0 No formal helper
- 1 Formal helper

### SPSS Syntax

```
COMPUTE anyfori=99.  
IF helpfo21=1 or helpfooti=1 anyfori=1.  
IF helpfo21=0 and helpfooti=0 anyfori=0.  
IF helpfo21=-1 and helpfooti=-1 anyfori=-1.  
var lab anyfori '(D) Any formal helper - IADL'.  
val lab anyfori 0 'No formal helper' 1 'Formal helper' -1 'Not applicable'.
```

## Informal help

HELPINOT: (D) Other family member, ADL (grouped)

HELPINFN: (D) Friend or neighbour, ADL

HELPINOTI: (D) Other family member, IADL (grouped)

HELPINFNI: (D) Friend or neighbour, IADL

HELPINSP: (D) Spouse, ADL

HELPINSO: (D) Son, ADL

HELPINDA: (D) Daughter, ADL

HELPINNO: (D) No informal helper, ADL

- 0 Not mentioned
- 1 Mentioned

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

### SPSS Syntax

```
COMPUTE helpinot=99.  
IF helpinf4=1 or helpinf5=1 or helpinf6=1 or helpinf7=1 or helpinf8=1 or helpin15=1 or helpin16=1 or  
helpin17=1 or helpin18=1 or helpin19=1 helpinot=1.  
IF helpinf4=0 and helpinf5=0 and helpinf6=0 and helpinf7=0 and helpinf8=0 and helpin15=0 and helpin16=0  
and helpin17=0 and helpin18=0 and helpin19=0 helpinot=0.  
IF helpinf4=-1 and helpinf5=-1 and helpinf6=-1 and helpinf7=-1 and helpinf8=-1 and helpin15=0 and  
helpin16=0 and helpin17=0 and helpin18=0 and helpin19=0 helpinot=0.  
IF helpinf4=0 and helpinf5=0 and helpinf6=0 and helpinf7=0 and helpinf8=0 and helpin15=-1 and helpin16=-1  
and helpin17=-1 and helpin18=-1 and helpin19=-1 helpinot=0.  
IF helpinf4=-1 and helpinf5=-1 and helpinf6=-1 and helpinf7=-1 and helpinf8=-1 and helpin15=-1 and  
helpin16=-1 and helpin17=-1 and helpin18=-1 and helpin19=-1 helpinot=-1.  
var lab helpinot 'Other family member, ADL (grouped)'.  
val lab helpinot 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.  
  
*Friend or neighbour - ADL..  
COMPUTE helpinfn=99.  
IF helpinf9=1 or helpin10=1 or helpin20=1 or helpin21=1 helpinfn=1.  
IF helpinf9=0 and helpin10=0 and helpin20=0 and helpin21=0 helpinfn=0.  
IF helpinf9=0 and helpin10=0 and helpin20=-1 and helpin21=-1 helpinfn=0.  
IF helpinf9=-1 and helpin10=-1 and helpin20=0 and helpin21=0 helpinfn=0.  
IF helpinf9=-1 and helpin10=-1 and helpin20=-1 and helpin21=-1 helpinfn=-1.  
var lab helpinfn 'Friend or neighbour, ADL'.  
val lab helpinfn 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.  
  
*Other family member - IADL..  
COMPUTE helpinoti=99.  
IF helpin26=1 or helpin27=1 or helpin28=1 or helpin29=1 or helpin30=1 helpinoti=1.  
IF helpin26=0 and helpin27=0 and helpin28=0 and helpin29=0 and helpin30=0 helpinoti=0.  
IF helpin26=-1 and helpin27=-1 and helpin28=-1 and helpin29=-1 and helpin30=-1 helpinoti=-1.
```

```

var lab helpinoti 'Other family member, IADL (grouped)'.
val lab helpinoti 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.

*Friend of neighbour - IADL..
COMPUTE helpinfni=99.
IF helpin31=1 or helpin32=1 helpinfni=1.
IF helpin31=0 and helpin32=0 helpinfni=0.
IF helpin31=-1 and helpin32=-1 helpinfni=-1.
var lab helpinfni 'Friend or neighbour, IADL'.
val lab helpinfni 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.

*SPOUSE - ADL.
COMPUTE helpinsp=99.
IF helpinf1=1 or helpin12=1 helpinsp=1.
IF helpinf1=0 and helpin12=0 helpinsp=0.
IF helpinf1=0 and helpin12=-1 helpinsp=0.
IF helpinf1=-1 and helpin12=0 helpinsp=0.
IF helpinf1=-1 and helpin12=-1 helpinsp=-1.
var lab helpinsp 'Spouse, ADL'.
val lab helpinsp 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.

*SON - ADL.
COMPUTE helpinso=99.
IF helpinf2=1 or helpin13=1 helpinso=1.
IF helpinf2=0 and helpin13=0 helpinso=0.
IF helpinf2=-1 and helpin13=0 helpinso=0.
IF helpinf2=0 and helpin13=-1 helpinso=0.
IF helpinf2=-1 and helpin13=-1 helpinso=-1.
var lab helpinso 'Son, ADL'.
val lab helpinso 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.

*DAUGHTER.
COMPUTE helpinda=99.
IF helpinf3=1 or helpin14=1 helpinda=1.
IF helpinf3=0 and helpin14=0 helpinda=0.
IF helpinf3=-1 and helpin14=0 helpinda=0.
IF helpinf3=0 and helpin14=-1 helpinda=0.
IF helpinf3=-1 and helpin14=-1 helpinda=-1.
var lab helpinda 'Daughter, ADL'.
val lab helpinda 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.

*NO INFORMAL HELPER.
COMPUTE helpinno=0.
IF helpin11=1 and helpin22=1 helpinno=1.
IF helpin11=-1 and helpin22=1 helpinno=1.
IF helpin11=1 and helpin22=-1 helpinno=1.
IF helpin11=-1 and helpin22=-1 helpinno=-1.
var lab helpinno 'No informal helper, ADL'.
val lab helpinno 0 'Not mentioned' 1 'Mentioned' -1 'Not applicable'.

```

### ANYINF: (D) Any informal helper - ADL

- 0 No informal helper
- 1 Informal helper

#### SPSS Syntax

```

COMPUTE anyinf=99.
IF helpinsp=1 or helpinso=1 or helpinda=1 or helpinoti=1 or helpinfni=1 anyinf=1.
IF helpinsp=0 and helpinso=0 and helpinda=0 and helpinoti=0 and helpinfni=0 anyinf=0.
IF helpinsp=-1 and helpinso=-1 and helpinda=-1 and helpinoti=-1 and helpinfni=-1 anyinf=-1.
var lab anyinf '(D) Any informal helper - ADL'.
val lab anyinf 0 'No informal helper' 1 'Informal helper' -1 'Not applicable'.

```

### ANYINFI: (D) Any informal helper - IADL

- 0 No informal helper
- 1 Informal helper

#### SPSS Syntax

```

COMPUTE anyinfi=99.
IF helpin23=1 or helpin24=1 or helpin25=1 or helpinoti=1 or helpinfni=1 anyinfi=1.
IF helpin23=0 and helpin24=0 and helpin25=0 and helpinoti=0 and helpinfni=0 anyinfi=0.
IF helpin23=-1 and helpin24=-1 and helpin25=-1 and helpinoti=-1 and helpinfni=-1 anyinfi=-1.
var lab anyinfi '(D) Any informal helper - IADL'.
val lab anyinfi 0 'No informal helper' 1 'Informal helper' -1 'Not applicable'..

```

### ADHLP: (D) Who provided ADL help

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

#### SPSS Syntax

```

COMPUTE adlhlp=99.
IF anyinf=1 and anyfor=0 adlhlp=1.
IF anyinf=0 and anyfor=1 adlhlp=2.
IF anyinf=1 and anyfor=1 adlhlp=3.
IF helpinno=1 and helpfono=1 adlhlp=4.
IF anyinf=-1 and anyfor=-1 adlhlp=-1.
var lab adlhlp '(D) Who provided ADL help'.
val lab adlhlp 1 'Informal only' 2 'Formal only' 3 'Both informal and formal' 4 'None of these' -1 'Not applicable'.

```

## IADHLP: (D) Who provided IADL help

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

### SPSS Syntax

```

COMPUTE iadhlhp=99.
IF anyinfi=1 and anyfori=0 iadhlhp=1.
IF anyinfi=0 and anyfori=1 iadhlhp=2.
IF anyinfi=1 and anyfori=1 iadhlhp=3.
IF helpin33=1 and helpfo29=1 iadhlhp=4.
IF anyinfi=-1 and anyfori=-1 iadhlhp=-1.
var lab iadhlhp '(D) Who provided IADL help'.
val lab iadhlhp 1 'Informal only' 2 'Formal only' 3 'Both informal and formal' 4 'None of these' -1 'Not applicable'.

```

## Amount of time helped

### SPHR6: (D) Spouse hours of help (grouped)

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

### SPHR10: (D) Spouse 10+ hours of help

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

### SPHR20: (D) Spouse 20+ hours of help

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

### SPSS Syntax

```

recode HelpHo01 (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) Spouse hours of help (grouped)'.
value labels sphr6 1 'No help' 2 '<1 hour' 3 '1-9' 4 '10-19' 5 '20-49' 6 '50+'.

recode HelpHo01 (1=1) (2=2) (3 thru 4=3) (5 thru 9=4) (else=-1) into sphr10.
variable labels sphr10 '(D) Spouse 10+ hours of help'.
value labels sphr10 1 'No help' 2 '<1 hour' 3 '1-10' 4 '10 or more'.

recode helpho01 (1=1) (2=2) (3 thru 5=3) (6 thru 9=4) (else=-1) into sphr20.
variable labels sphr20 '(D) Spouse 20+ hours of help'.
value labels sphr20 1 'No help' 2 '<1 hour' 3 '1-19' 4 '20 or more'.

```

### SOHR6: (D) Son hours of help (grouped)

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

### SOHR10: (D) Son 10+ hours of help

- 1 No help
- 2 <1 hour
- 3 1-10

- 4 10 or more

## SOHR20: (D) Son 20+ hours of help

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

### SPSS Syntax

```
*Select 'son' who has provided most number of hours of help.
compute sonhrs1=MAX(HelpHo02, HelpHo03, HelpHo04).
compute sonmost=-1.
if sonhrs1=HelpHo04 sonmost=3.
if sonhrs1=HelpHo03 sonmost=2.
if sonhrs1=HelpHo02 sonmost=1.
variable labels sonmost 'Son who gave most hours of care'.
value labels sonmost 1 'Son 1' 2 'Son 2' 3 'Son 3'.

compute sonhrs=99.
if sonmost=1 sonhrs=HelpHo02.
if sonmost=2 sonhrs=HelpHo03.
if sonmost=3 sonhrs=HelpHo04.
if sonmost <1 sonhrs=sonmost.
variable labels sonhrs 'No.hours son provided (for son who helped most hours)'.

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) Son hours of help (grouped)'.
value labels sohr6 1 'No help' 2 '<1 hour' 3 '1-9' 4 '10-19' 5 '20-49' 6 '50+'.

recode sonhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into sohr10.
variable labels sohr10 '(D) Son 10+ hours of help'.
value labels sohr10 1 'No help' 2 '<1 hour' 3 '1-10' 4 '10 or more'.

recode sonhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into sohr20.
variable labels sohr20 '(D) Son 20+ hours of help'.
value labels sohr20 1 'No help' 2 '<1 hour' 3 '1-19' 4 '20 or more'.
```

## DAHR6: (D) Daughter hours of help (grouped)

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

## DAHR10: (D) Daughter 10+ hours of help

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

## DAHR20: (D) Daughter 20+ hours of help

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

### SPSS Syntax

```
compute dahrs1=MAX(HelpHo05, HelpHo06, HelpHo07).
compute damost=-1.
if dahrs1=HelpHo07 damost=3.
if dahrs1=HelpHo06 damost=2.
if dahrs1=HelpHo05 damost=1.
variable labels damost 'Daughter who gave most hours of care'.
value labels damost 1 'Daughter 1' 2 'Daughter 2' 3 'Daughter 3'.

compute dahrs=99.
if damost=1 dahrs=HelpHo05.
if damost=2 dahrs=HelpHo06.
if damost=3 dahrs=HelpHo07.
if damost <1 dahrs=damost.
variable labels dahrs 'No.hours daughter provided (for daughter who helped most hours)'.

*D.V. FOR GROUPED NUMBER OF HOUR.
recode dahrs (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) Daughter hours of help (grouped)'.
value labels dahr6 1 'No help' 2 '<1 hour' 3 '1-9' 4 '10-19' 5 '20-49' 6 '50+'.

recode dahrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into dahr10.
variable labels dahr10 '(D) Daughter 10+ hours of help'.
```

```
value labels dahr10 1 'No help' 2 '<1 hour' 3 '1-10' 4 '10 or more'.

recode dahr10 (1=1) (2=2) (3 thru 5=3) (6 thru 9=4) (else=-1) into dahr20.
variable labels dahr20 '(D) Daughter 20+ hours of help'.
value labels dahr20 1 'No help' 2 '<1 hour' 3 '1-19' 4 '20 or more'.
```

#### OTHR6: (D) Other family member hours of help (grouped)

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

#### OTHR10: (D) Other family member 10+ hours of help

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

#### OTHR20: (D) Other family member 20+ hours of help

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

#### SPSS Syntax

```
compute otfhrrs1=MAX(Helpho08, Helpho09, Helpho10, Helpho11, Helpho12, Helpho13, Helpho15, Helpho16,
Helpho17, Helpho18, Helpho19, Helpho20 ).
compute otmost=-1.
if otfhrrs1=Helpho20 otmost=12.
if otfhrrs1=Helpho19 otmost=11.
if otfhrrs1=Helpho18 otmost=10.
if otfhrrs1=Helpho17 otmost=9.
if otfhrrs1=Helpho16 otmost=8.
if otfhrrs1=Helpho15 otmost=7.
if otfhrrs1=Helpho13 otmost=6.
if otfhrrs1=Helpho12 otmost=5.
if otfhrrs1=Helpho11 otmost=4.
if otfhrrs1=Helpho10 otmost=3.
if otfhrrs1=Helpho09 otmost=2.
if otfhrrs1=Helpho08 otmost=1.
variable labels otmost 'Other family member who gave most hours of care'.
value labels otmost 1 'Gchild 1' 2 'Gchild 2' 3 'Gchild 3' 4 'bro/sis' 5 'bro/sis 2' 6 'bro/sis 3' 7
'niece/neph 1' 8 'niece/neph 2' 9 'niece/neph 3' 10 'parent' 11 'other parent' 12 'other family member'.
*NOW CREATE A DV FOR OTHER FAMILY MEMBER WHO HELPED MOST HOURS.
compute othrs=99.
if otmost=1 othrs=Helpho08.
if otmost=2 othrs=Helpho09.
if otmost=3 othrs=Helpho10.
if otmost=4 othrs=Helpho11.
if otmost=5 othrs=Helpho12.
if otmost=6 othrs=Helpho13.
if otmost=7 othrs=Helpho15.
if otmost=8 othrs=Helpho16.
if otmost=9 othrs=Helpho17.
if otmost=10 othrs=Helpho18.
if otmost=11 othrs=Helpho19.
if otmost=12 othrs=Helpho20.
if otmost <1 othrs=otmost.
variable labels othrs 'No.hours other family member provided (for other family member who helped most
hours)'.

*D.V. FOR GROUPED NUMBER OF HOUR.
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) Other family member hours of help (grouped)'.
value labels othr6 1 'No help' 2 '<1 hour' 3 '1-9' 4 '10-19' 5 '20-49' 6 '50+'.

recode othrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4) (else=-1) into othr10.
variable labels othr10 '(D) Other family member 10+ hours of help'.
value labels othr10 1 'No help' 2 '<1 hour' 3 '1-10' 4 '10 or more'.

recode othrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4) (else=-1) into othr20.
variable labels othr20 '(D) Other family member 20+ hours of help'.
value labels othr20 1 'No help' 2 '<1 hour' 3 '1-19' 4 '20 or more'.
```

#### FNHR6: (D) Friend or neighbour hours of help (grouped)

- 1 No help
- 2 <1 hour
- 3 1-9
- 4 10-19

- 5 20-49
- 6 50+

#### FNHR10: (D) Friend or neighbour 10+ hours of help

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

#### FNHR20: (D) Friend or neighbour 20+ hours of help

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

##### SPSS Syntax

```
*Select 'other family member' who has provided most number of hours of help.
compute fnhrs1=MAX(HelpHo21, HelpHo22, HelpHo23, HelpHo24, HelpHo25, HelpHo26 ).
compute fnmost=-1.
if fnhrs1=HelpHo26 fnmost=6.
if fnhrs1=HelpHo25 fnmost=5.
if fnhrs1=HelpHo24 fnmost=4.
if fnhrs1=HelpHo23 fnmost=3.
if fnhrs1=HelpHo22 fnmost=2.
if fnhrs1=HelpHo21 fnmost=1.
variable labels fnmost 'Other friend or neighbour who gave most hours of care'.
value labels fnmost 1 'Friend 1' 2 'Friend 2' 3 'Friend 3' 4 'Neighbour 1' 5 'Neighbour 2' 6 'Neighbour 3'.

*NOW CREATE A DV FOR NUMBER OF HOURS HELP, FOR FRIEND OR NEIGHBOUR WHO HELPED MOST HOURS.
compute fnhrs=99.
if fnmost=1 fnhrs=HelpHo21.
if fnmost=2 fnhrs=HelpHo22.
if fnmost=3 fnhrs=HelpHo23.
if fnmost=4 fnhrs=HelpHo24.
if fnmost=5 fnhrs=HelpHo25.
if fnmost=6 fnhrs=HelpHo26.
if fnmost <1 fnhrs=fnmost.
variable labels fnmost 'No.hours friend or neighbour (for friend or neighbour who helped most hours)'.

*D.V. FOR GROUPED NUMBER OF HOUR.
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) Friend or neighbour hours of help (grouped)'.
value labels fnhr6 1 'No help' 2 '<1 hour' 3 '1-9' 4 '10-19' 5 '20-49' 6 '50+'.

recode fnhrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4)(else=-1) into fnhr10.
variable labels fnhr10 '(D) Friend or neighbour 10+ hours of help'.
value labels fnhr10 1 'No help' 2 '<1 hour' 3 '1-10' 4 '10 or more'.

recode fnhrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4)(else=-1) into fnhr20.
variable labels fnhr20 '(D) Friend or neighbour 20+ hours of help'.
value labels fnhr20 1 'No help' 2 '<1 hour' 3 '1-19' 4 '20 or more'.
```

#### HCHR6: (D) Home care worker hours of help (grouped)

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

#### HCHR10: (D) Home care worker 10+ hours of help

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

#### HCHR20: (D) Home care worker 20+ hours of help

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

##### SPSS Syntax

```
*Select 'home care worker' who provided most number of hours of help.
compute hchrs1=MAX(HelpHo27, HelpHo28, HelpHo29).
compute hcmost=-1.
if hchrs1=HelpHo29 hcmost=3.
if hchrs1=HelpHo28 hcmost=2.
if hchrs1=HelpHo27 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.
if hcmost=1 hchrs=HelpHo27.
if hcmost=2 hchrs=HelpHo28.
if hcmost=3 hchrs=HelpHo29.
if hcmost <1 hchrs=hcmost.
variable labels hchrs 'No.hours home care worker provided (for hc worker who helped most hours)'.

*D.V. FOR GROUPED NUMBER OF HOURS.
recode hchrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6) (else=-1) into hchr6.
Variable labels hchr6 ' (D) Home care worker hours of help (grouped)'.
value labels hchr6 1 'No help' 2 '<1 hour' 3 '1-9' 4 '10-19' 5 '20-49' 6 '50+'.

recode hchrs (1=1) (2=2) (3 thru 4=3) (5 thru 9=4) (else=-1) into hchr10.
variable labels hchr10 ' (D) Home care worker 10+ hours of help'.
value labels hchr10 1 'No help' 2 '<1 hour' 3 '1-10' 4 '10 or more'.

recode hchrs (1=1) (2=2) (3 thru 5=3) (6 thru 9=4) (else=-1) into hchr20.
variable labels hchr20 ' (D) Home care worker 20+ hours of help'.
value labels hchr20 1 'No help' 2 '<1 hour' 3 '1-19' 4 '20 or more'.

```

## Payment for care

LACARE: (D) Neither DP nor PB but LA care or no LA care

- 1 DP or PB
- 2 LA care
- 3 No LA care

### SPSS Syntax

```

COMPUTE lacare=-1.
IF havedp1=-8 and havedp2=-8 and havedp3=-8 lacare=-8.
IF persb=-8 lacare=-8.
IF havedp1=1 or persb=1 lacare=1.
IF havedp1=0 and persb=2 and havedp2=1 lacare=2.
IF havedp3=1 and persb=2 lacare=3.
variable labels lacare ' (D) Neither DP nor PB but LA care or no LA care'.
val lab lacare 1 'DP or PB' 2 'LA care' 3 'No LA care'.

```

WHOPAY: (D) Which provider to take value from

- 1 Loop 1
- 2 Loop 2
- 3 Loop 3

### SPSS Syntax

```

COMPUTE whopay=-1.
IF anypay2>=1 and anypay<0 and (anyfor=1 or anyfori=1) whopay=3.
IF anypay2>=1 and anypay<0 and (anyfor=0 and anyfori=0) whopay=2.
IF anypay2>=1 and anypay3<0 whopay=2.
var lab whopay ' (D) Which provider to take value from'.
val lab whopay 1 'Loop 1' 2 'Loop2' 3 'Loop 3'.

```

INFPAY: (D) Contributing to costs for informal provider

- 1 Yes
- 2 No
- 3 Don't know

### SPSS Syntax

```

compute infpay=99.
if whopay=1 infpay=-1.
if whopay=2 infpay=anypay2.
if whopay=3 infpay=anypay3.
if whopay=-1 infpay=-1.
variable labels infpay ' (D) Contributing to costs for informal provider'.
val lab infpay 1 'Yes' 2 'No' 3 'Dont know'.

```

INFCOST: (D) All or some contribution

- 1 All
- 2 Some

### SPSS Syntax

```

compute infcost=99.
if whopay=1 infcost=-1.

```

```

if whopay=2 infcost=allcost2.
if whopay=3 infcost=allcost3.
if whopay=-1 infcost=-1.
variable labels infcost '(D) All or some contribution'.
val lab infcost 1 'All' 2 'Some'.

```

### CONPAY: (D) Contribute to costs – informal provider

- 1 Pay all costs
- 2 Pay some costs
- 3 Pay no costs
- 4 Don't know

#### SPSS Syntax

```

COMPUTE conpay=99.
IF infpay=3 conpay=4.
IF infpay=2 conpay=3.
IF infcost=2 conpay=2.
IF infcost=1 conpay=1.
IF infpay<0 conpay=infpay.
IF conpay=99 conpay=-1.
var lab conpay '(D) Contribute to costs - informal provider'.
val lab conpay 1 'Pay all costs' 2 'Pay some costs' 3 'Pay no costs' 4 'Dont know'.

```

### WHOPAYF: (D) Which provider to take value from

- 1 Loop 1
- 2 Loop 2
- 3 Loop 3

#### SPSS Syntax

```

COMPUTE whopayf=99.
IF anypay<0 whopayf=2.
IF anypay>=1 whopayf=1.
IF anypay<0 and anypay2<0 and anypay3<0 whopayf=-1.
fre whopayf.
var lab whopayf '(D) Which provider to take value from'.
val lab whopayf 1 'Loop 1' 2 'Loop2' 3 'Loop 3'.

```

### FORPAY: (D) Contributing to costs for formal provider

- 1 Yes
- 2 No
- 3 Don't know

#### SPSS Syntax

```

compute forpay=99.
if whopayf=1 forpay=anypay.
if whopayf=2 forpay=anypay2.
if whopayf=3 forpay=anypay3.
if whopayf=-1 forpay=-1.
variable labels forpay '(D) Contributing to costs for formal provider'.
val lab forpay 1 'Yes' 2 'No' 3 'Dont know'.

```

### FORCOST: (D) All or some contribution

- 1 All
- 2 Some

#### SPSS Syntax

```

compute forcost=99.
if whopayf=1 forcost=allcost.
if whopayf=2 forcost=allcost2.
if whopayf=3 forcost=allcost3.
if whopayf=-1 forcost=-1.
variable labels forcost '(D) All or some contribution'.
val lab forcost 1 'All' 2 'Some'.

```

### CONPAYF: (D) Contribute to costs – formal provider

- 1 Pay all costs
- 2 Pay some costs
- 3 Pay no costs
- 4 Don't know

#### SPSS Syntax

```

COMPUTE conpayf=99.
IF forcost=-8 conpayf=-8.
IF forpay=3 conpayf=4.

```

```
IF forpay=2 conpayf=3.
IF forcost=2 conpayf=2.
IF forcost=1 conpayf=1.
IF forpay<0 conpayf=forpay.
```

## Identifying care providers

---

GAVEHLP: (D) Provided help - binary

0 No  
1 Yes

### SPSS Syntax

```
COMPUTE gavehlp=999.
IF checkhlp=1 gavehlp=1.
IF checkhlp=2 gavehlp=0.
IF provhlp=2 gavehlp=0.
IF provhlp<0 gavehlp=provhlp.
RECODE gavehlp (999 = -9).
var lab gavehlp '(D) Provided help - binary'.
val lab gavehlp 0 'No' 1 'Yes'.
```

HELPNUM: (D) Number provided help to - grouped

0 No  
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=-9.
**JG editing this to -1 so become n/a.
if helpno<0 helpnum=-1.
if gavehlp=0 helpnum=0.
var lab helpnum '(D) Number provided help to - grouped'.
val lab helpnum 0 '0' 1 '1' 2 '2' 3 '3 or more'.
```

## Carers information

---

SPOUSE: (D) Relationship: spouse

PARENT: (D) Relationship: parent

SON: (D) Relationship: son

DAUGHTER: (D) Relationship: daughter

GPARENT: (D) Relationship: grandparent

BROSIS: (D) Relationship: brother or sister

OFAM: (D) Relationship: grandchild/niece or nephew/other family member

FRIEND: (D) Relationship: friend

NEIGH: (D) Relationship: neighbour

VOLHLP: (D) Relationship: voluntary helper

0 No  
1 Yes

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

### SPSS Syntax

```
COMPUTE spouse=0.
If PrRel=1 or PrRel2=1 or PrRel3=1 spouse=1.
val lab spouse 0 'No' 1 'Yes'.
COMPUTE parent=0.
If PrRel=2 or PrRel2=2 or PrRel3=2 parent=1.
val lab parent 0 'No' 1 'Yes'.
COMPUTE son=0.
If PrRel=3 or PrRel2=3 or PrRel3=3 son=1.
val lab son 0 'No' 1 'Yes'.
COMPUTE daughter=0.
If PrRel=4 or PrRel2=4 or PrRel3=4 daughter=1.
val lab daughter 0 'No' 1 'Yes'.
COMPUTE gpARENT=0.
```

```

If PrRel=5 or PrRel2=5 or PrRel3=5 gparent=1.
val lab gparent 0 'No' 1 'Yes'.
COMPUTE brosis=0.
If PrRel=7 or PrRel2=7 or PrRel3=7 brosis=1.
val lab brosis 0 'No' 1 'Yes'.
*COMBINE GRANDCHILD, NIECE/NEPHEW AND OTHER FAMILY MEMBER.
COMPUTE ofam=0.
If PrRel=6 or PrRel2=6 or PrRel3=6 or PrRel=8 or PrRel2=8 or PrRel3=8 or PrRel=9 or PrRel2=9 or PrRel3=9
ofam=1.
val lab ofam 0 'No' 1 'Yes'.
COMPUTE friend=0.
If PrRel=10 or PrRel2=10 or PrRel3=10 friend=1.
val lab friend 0 'No' 1 'Yes'.
COMPUTE neigh=0.
If PrRel=11 or PrRel2=11 or PrRel3=11 neigh=1.
val lab neigh 0 'No' 1 'Yes'.
COMPUTE volhlp=0.
If PrRel=13 or PrRel2=13 or PrRel3=13 volhlp=1.
val lab volhlp 0 'No' 1 'Yes'.

VARIABLE LABELS spouse "(D) Relationship: spouse"
parent "(D) Relationship: parent"
son "(D) Relationship: son"
daughter "(D) Relationship: daughter"
gparent "(D) Relationship: grandparent"
brosis "(D) Relationship: brother or sister"
ofam "(D) Relationship: grandchild/niece or nephew/other family member"
friend "(D) Relationship: friend"
neigh "(D) Relationship: neighbour"
volhlp "(D) Relationship: voluntary helper"..

```

**SAMEHH: (D) Household: same**  
**DIFFHH: (D) Household: different**  
**BOTH: (D) Household: both**  
0 No  
1 Yes

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

#### **SPSS Syntax**

```

COMPUTE samehh=0.
If PrHhold=1 or PrHhold2=1 or PrHhold3=1 samehh=1.
val lab samehh 0 'No' 1 'Yes'.

COMPUTE diffhh=0.
If PrHhold=2 or PrHhold2=2 or PrHhold3=2 diffhh=1.
val lab diffhh 0 'No' 1 'Yes'.

COMPUTE both=0.
If PrHhold=1 and (PrHhold2=2 or PrHhold3=2) both=1.
If PrHhold=2 and (PrHhold2=1 or PrHhold3=1) both=1.
If PrHhold2=1 and PrHhold3=2 both=1.
If PrHhold2=2 and PrHhold3=1 both=1.
val lab both 0 'No' 1 'Yes'.

COMPUTE hhold=-1.
IF samehh=1 hhold=1.
IF diffhh=1 hhold=2.
IF both=1 hhold=3.
val lab hhold 1 'Same' 2 'Different' 3 'Both'.

VARIABLE LABELS
samehh "(D) Household: same"
diffhh "(D) Household: different"
both "(D) Household: both".

```

**HHOLD2: (D) Household: same, different or both**  
0 No  
1 Yes

#### **SPSS Syntax**

```

COMPUTE hhold2=-1.
IF samehh=1 hhold2=1.
IF diffhh=1 hhold2=2.
IF both=1 hhold2=3.
val lab hhold2 1 'Same' 2 'Different' 3 'Both'.
Var lab hhold2 "(D) Household: same, different or both".

```

## Carers time

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

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

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

- 1 1-10
- 2 10 or more

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

- 1 1-19
- 2 20 or more

### SPSS Syntax

```
compute mosthrs1=MAX(PrHours, PrHours2, PrHours4).
compute mosthrs=-1.
if mosthrs1=PrHours4 mosthrs=3.
if mosthrs1=PrHours2 mosthrs=2.
if mosthrs1=PrHours mosthrs=1.
variable labels mosthrs 'Care recipient for most hours provided'.
value labels mosthrs 1 'Care recipient 1' 2 'Care recipient 2' 3 'Care recipient 3'.

*NOW CREATE A DV FOR NUMBER OF HOURS HELPED, FOR RECIPIENT FOR WHOM MOST HOURS PROVIDED.
compute numhrs=99.
if mosthrs=1 numhrs=prhours.
if mosthrs=2 numhrs=prhours2.
if mosthrs=3 numhrs=prhours4.
if mosthrs <1 numhrs=mosthrs.
variable labels numhrs '(D) No.hours provided (for recipient for whom most hours provided)'.

*DV FOR GROUPED NUMBER OF HOUR - 4 groups.
recode numhrs (1=1) (2=2) (3 thru 4=3) (5=4) ( 6 thru 7 =5) (8 thru 9=6)(else=-1) into grphrs6.
variable labels grphrs6 '(D) Grouped hours provided (for care recipient for whom most hours provided)'.
value labels grphrs6 1 'No help in the last week' 2 'Less than 1 hour' 3 '1-9' 4 '10-19' 5 '20-49' 6 '50+'.

recode numhrs (1 thru 5=1) (6 thru 9=2)(else=-1) into grphrs20.
variable labels grphrs20 '(D) 20+ hours provided (for care recipient for whom most hours provided)'.
value labels grphrs20 1 '1-19' 2 '20 or more'.

recode numhrs (1 thru 4=1) (5 thru 9=2)(else=-1) into grphrs10.
variable labels grphrs10 '(D) 10+ hours provided (for care recipient for whom most hours provided)'.
value labels grphrs10 1 '1-10' 2 '10 or more'.
DELETE VARS numhrs mosthrs1 mosthrs.
```

## Carers tasks

BED: (D) Hours: bed

WASH: (D) Hours: wash

BATH: (D) Hours: bath

DRESS: (D) Hours: dress

TOILET: (D) Hours: toilet

EAT: (D) Hours: eat

MEDICINE: (D) Hours: medicine

INDOORS: (D) Hours: indoors

STAIRS: (D) Hours: stairs

OUTHOU: (D) Hours: out of the house

SHOP: (D) Hours: shop

HWORKE: (D) Hours: housework

PWORK: (D) Hours: paperwork

- 0 Not mentioned
- 1 Mentioned

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

### SPSS Syntax

```

compute mosthrs1=MAX(PrHours, PrHours2, PrHours4).
compute mosthrs=-1.
if mosthrs1=PrHours4 mosthrs=3.
if mosthrs1=PrHours2 mosthrs=2.
if mosthrs1=PrHours mosthrs=1.
variable labels mosthrs 'Care recipient for most hours provided'.
value labels mosthrs 1 'Care recipient 1' 2 'Care recipient 2' 3 'Care recipient 3'.

* TASK LOOPED 3 TIMES MATCHING CARE RECIPIENT ORDER.
compute bed=99.
if mosthrs=1 bed=prtask1.
if mosthrs=2 bed=prtask14.
if mosthrs=3 bed=prtask27.
if mosthrs <1 bed=mosthrs.
value labels bed 0 'Not mentioned' 1 'Mentioned'.

compute wash=99.
if mosthrs=1 wash=prtask2.
if mosthrs=2 wash=prtask15.
if mosthrs=3 wash=prtask28.
if mosthrs <1 wash=mosthrs.
value labels wash 0 'Not mentioned' 1 'Mentioned'.

compute bath=99.
if mosthrs=1 bath=prtask3.
if mosthrs=2 bath=prtask16.
if mosthrs=3 bath=prtask29.
if mosthrs <1 bath=mosthrs.
value labels bath 0 'Not mentioned' 1 'Mentioned'.

compute dress=99.
if mosthrs=1 dress=prtask4.
if mosthrs=2 dress=prtask17.
if mosthrs=3 dress=prtask30.
if mosthrs <1 dress=mosthrs.
value labels dress 0 'Not mentioned' 1 'Mentioned'.

compute toilet=99.
if mosthrs=1 toilet=prtask5.
if mosthrs=2 toilet=prtask18.
if mosthrs=3 toilet=prtask31.
if mosthrs <1 toilet=mosthrs.
value labels toilet 0 'Not mentioned' 1 'Mentioned'.

compute eat=99.
if mosthrs=1 eat=prtask6.
if mosthrs=2 eat=prtask19.
if mosthrs=3 eat=prtask32.
if mosthrs <1 eat=mosthrs.
value labels eat 0 'Not mentioned' 1 'Mentioned'.

compute medicine=99.
if mosthrs=1 medicine=prtask7.
if mosthrs=2 medicine=prtask20.
if mosthrs=3 medicine=prtask33.
if mosthrs <1 medicine=mosthrs.
value labels medicine 0 'Not mentioned' 1 'Mentioned'.

compute indoors=99.
if mosthrs=1 indoors=prtask8.
if mosthrs=2 indoors=prtask21.
if mosthrs=3 indoors=prtask34.
if mosthrs <1 indoors=mosthrs.
value labels indoors 0 'Not mentioned' 1 'Mentioned'.

compute stairs=99.
if mosthrs=1 stairs=prtask9.
if mosthrs=2 stairs=prtask22.
if mosthrs=3 stairs=prtask34.
if mosthrs <1 stairs=mosthrs.
value labels stairs 0 'Not mentioned' 1 'Mentioned'.

compute outhou=99.
if mosthrs=1 outhou=prtask10.
if mosthrs=2 outhou=prtask23.
if mosthrs=3 outhou=prtask36.
if mosthrs <1 outhou=mosthrs.
value labels outhou 0 'Not mentioned' 1 'Mentioned'.

compute shop=99.
if mosthrs=1 shop=prtask11.
if mosthrs=2 shop=prtask24.
if mosthrs=3 shop=prtask37.
if mosthrs <1 shop=mosthrs.
value labels shop 0 'Not mentioned' 1 'Mentioned'.

compute hwork=99.

```

```
if mosthrs=1 hwork=prtask12.  
if mosthrs=2 hwork=prtask25.  
if mosthrs=3 hwork=prtask38.  
if mosthrs <1 hwork=mosthrs.  
value labels hwork 0 'Not mentioned' 1 'Mentioned'.  
  
compute pwork=99.  
if mosthrs=1 pwork=prtask13.  
if mosthrs=2 pwork=prtask26.  
if mosthrs=3 pwork=prtask39.  
if mosthrs <1 pwork=mosthrs.  
value labels pwork 0 'Not mentioned' 1 'Mentioned'.
```