Health Survey for England

Health and lifestyles

2010

List of Variables

Version 2

A survey carried out on behalf of The NHS Information Centre

Joint Health Surveys Unit
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Contents

Introduction

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

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

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

HHold	Household CAPI Questionnaire
Indiv	Individual CAPI Questionnaire
Nurse	Nurse CAPI Questionnaire
SC …	Self-Completion Booklet: SC 8-12, SC 13-15, SC YP (Men and Women), SC Adult (Men and Women), SC 70+ 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[1]	Serial number of household	Hhold
TOTTIME	Total Interview length in minutes.	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[2]	In whose name is accomodation owned or rented - Person 1	Hhold
HHLDR2	In whose name is accomodation owned or rented - Person 2	Hhold
HHLDR3	In whose name is accomodation owned or rented - Person 3	Hhold
HHLDR4	In whose name is accomodation owned or rented - Person 4	Hhold
HHLDR5	In whose name is accomodation owned or rented - Person 5	Hhold
HHLDR6	In whose name is accomodation owned or rented - Person 6	Hhold
HHLDR7	In whose name is accomodation owned or rented - Person 7	Hhold
HHLDR8	In whose name is accomodation owned or rented - Person 8	Hhold
HHLDR9	In whose name is accomodation owned or rented - Person 9	Hhold
HHLDR10	In whose name is accomodation owned or rented - Person 10	Hhold
HHLDR11	In whose name is accomodation owned or rented - Person 11	Hhold
HHLDR12	In whose name is accomodation owned or rented - Person 12	Hhold
HHLDR97	Accommodation owned/rented by someone who is not a household member	Hhold
TENUREB[3]	Household tenure	Hhold
JOBACCOM	Does the accommodation go with the job of anyone in the household?	Hhold
LANDLORD	Who is your landlord?	Hhold
FURN[4]	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
HEATERS	In your accommodation do you have any of the heating or cooking appliances on this card which you regularly use?	Hhold
HEATYPE1	Type of heating or cooking appliances used: Gas fired boiler for central heating or hot water	Hhold
HEATYPE2	Type of heating or cooking appliances used: Oil fired boiler for central heating or hot water	Hhold
HEATYPE3	Type of heating or cooking appliances used: Coal or coke boiler or stove	Hhold
HEATYPE4	Type of heating or cooking appliances used: Wood burning stove	Hhold
HEATYPE5	Type of heating or cooking appliances used: Gas or calor gas fire in fireplace	Hhold
HEATYPE6	Type of heating or cooking appliances used: Other gas or calor gas fire	Hhold
HEATYPE7	Type of heating or cooking appliances used: Open coal fire	Hhold
HEATYPE8	Type of heating or cooking appliances used: Gas hob or cooking rings	Hhold
HEATYPE9	Type of heating or cooking appliances used: Gas oven	Hhold
HEATYP10	Type of heating or cooking appliances used: Paraffin heater	Hhold
HeaTyp11	Type of heating or cooking appliances used: None of these	Hhold
DAMP	During the winter months, does condensation form on the windows or walls of any room in your home, apart from bathrooms or toilets?	Hhold
FUNGUS	During the winter months, are there patches of mould or fungus in any room in your home, apart from bathrooms or toilets?	Hhold
PETHO	Do you keep any household pets inside your house/flat?	Indiv
WTPET1	What pets do you keep inside your house/flat? Dog	Indiv
WTPET2	What pets do you keep inside your house/flat? Cat	Indiv

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[1] Variable scrambled and renamed Hserial in archived dataset.

[2] Variables called HHLDR01-97 in 2009

[3] Variable renamed Tenure1 in archived dataset

[4] Variable renamed Furn1 in archived dataset

WTPET3	What pets do you keep inside your house/flat? Bird	Indiv
WTPET4	What pets do you keep inside your house/flat? Other furry pets	Indiv
WTPET5	What pets do you keep inside your house/flat? Other	Indiv
TOTTME	Total Interview length in minutes	Indiv

Individual

Variable	Description	Source
SERIALI[5]	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

Admin

Variable	Description	Source
CHILD1	Person number of selected child 1	Hhold
CHILD2	Person number of selected child 2	Hhold
CHILD3	Person number of selected child 3	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 qu'aire.	Indiv
INTDAYW	(D) Weekday of individual interview	Derived
TNC_LAST*	Total No. of calls from successful interviewer	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 Hhlder?	Indiv
TNC_SUM*	Total No. calls from all interviewers, including re-issues	Indiv

Booklet Admin

Variable	Description	Source
BOOKCHK	Aged 18 - 24: Asked about drinking/smoking or complete Young Adults SC	Indiv
SCTYPE	Type of S/C offered	Indiv
SCOMP	Self completion done	Indiv
SCREC	Self completion received	Indiv
SC3ACC1	SC: Completed independently	Indiv

[5] Variable scrambled and renamed Pserial in archived dataset.
* Removed from dataset due to reasons of confidentiality.

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[6]	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
SCOMP695	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
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
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) Which self-completion filled out	Derived

Education

Variable	Description	Source
EDUCEND	At what age did youname[PNo] finish hisher[PNo] continuous full-time	Indiv
QUALA1[7]	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/SCOTECH Higher	Indiv
QUALA5	Qualification: ONC/OND/BEC/TEC/BTEC not higher	Indiv
QUALA6	Qualification: Teaching qualification	Indiv
QUALA7	Qualification: City and Guilds Full Technological Certificate	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

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[6] Variables called SComp600, Scomp601 etc in 2009

[7] Variables called QualA01 etc in 2009

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
HRPSOC2[8]	SOC2000 (with dots)	Hhold
HRPSIC3[9]	HRP: SIC2003 Main activity of establishment (grouped A-G)	Hhold
STHNSSEC	NS-SEC Operational Catagories (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
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 your organisation a private sector organisation such as a company, or a public sector body such as a local or national government, schools or the health service, or a non-profit organisation such as a charity?	Indiv
HRPNSSEC	NS-SEC Operational Catagories (HRP)	Hhold
ACTIVB	Activity status for last week	Indiv
STWORK	Paid work in last 7 days	Indiv
I4WKLOOK	Were you looking for any paid work or Govt Training Scheme at any time in the 4 weeks ending last Sunday?	Indiv
I2WKSTRT	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

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[8] Variable renamed HRPsoc2b in archived dataset

[9] Variable renamed HRPsic3b in archived dataset

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
SOC2000[10]	SOC2000 (with dots)	Indiv
STNSSEC	NS-SEC - long version	Indiv
SIC2003[11]	SIC2003 code	Indiv
NSSEC	NS-SEC - long version (harmonised)	Indiv
SCLASS	Registrar General's Social Class of individual (old scheme, using SOC2000 instead of SOC90)	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
WKSTRT2	If job or training scheme available, able to start within 2 weeks?	Indiv
WKLOOK4	Looking for paid work/govt training scheme in 4 weeks ending last Sunday?	Indiv

Ethnicity

Variable	Description	Source
ORIGIN	Ethnic origin of individual	Indiv
RELIG	What is your religion?	Indiv

Income

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

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[10] Variable renamed Soc2000b in archived dataset

[11] Variable renamed Sic2003b in archived dataset

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[12]	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 ti	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
LEGPAR	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
RELTO1[13]	Relationship to other persons in household	Hhold
RELTO2	Relationship to other persons in household	Hhold
RELTO3	Relationship to other persons in household	Hhold
RELTO4	Relationship to other persons in household	Hhold
RELTO5	Relationship to other persons in household	Hhold
RELTO6	Relationship to other persons in household	Hhold
RELTO7	Relationship to other persons in household	Hhold
RELTO8	Relationship to other persons in household	Hhold
RELTO9	Relationship to other persons in household	Hhold
RELTO10	Relationship to person 10	Hhold
RELTO11	Relationship to person 11	Hhold
RELTO12	Relationship to person 12	Hhold
LIVEWITH	Cohabitee	Hhold
MARSTATC	(D) Marital status including cohabitees	Derived
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
IMD2007	(D) Quintile of IMD SCORE	Derived
GOR07[14]	Government Office Region - numeric	Hhold
SHA	Strategic Health Authority	Hhold
POINT[15]	Sample point number	Hhold

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* Removed from dataset due to reasons of confidentiality

[12] Variables called NURSERE0, NURSERE1 etc in 2009

[13] Variables called RELTO01, RELTO02 etc in 2009

[14] Variable is called GOR1 in archived dataset.

ADDRESS[16]	Address number	Sample
HHOLD	Household	Sample
STRATA[17]	Stratification level	Indiv
NOFHH	Number of households	Arf
PCTSPEAR	PCT spearhead indicator for new PCTs	Derived
INDOUT	Individual outcome code	Indiv
MIntB	Month of interview	Indiv

Weighting

Variable	Description	Source
WT_CHILD	HSE 2010 Weight for analysis of child sample (boost & core)	Other
WT_CHSEL	HSE 2010 Selection weight for time series analysis of child sample	Other
WT_HHLD	HSE 2010 household level weight	Other
WT_INT	HSE 2010 Weight for analysis of core interview sample	Other
WT_NURSE	HSE 2010 Weight for analysis of core nurse sample	Other
WT_URINE	HSE 2010 Weight for analysis of core urine sample	Other
WT_BLOOD	HSE 2010 Weight for analysis of core blood sample	Other
WT_COTININE	HSE 2010 Weight for analysis of cotinine sample	Other
WT_SPIRO	HSE 2010 Weight for analysis of core spirometry sample	Other
VITD10WT	Vit D weight after calibration	Other

[15] Variable scrambled and renamed PSU in archived dataset.

[16] Variable scrambled and renamed ADDNUM in archived dataset.

[17] Variable scrambled and renamed CLUSTER in archived dataset.

Accidents

Attitudes To Cycling

Variable	Description	Source
CBICYCLE	Do you have bicycle	SC 8-12
CHELMA	Do you wear a bicycle helmet when riding your bike?	SC 8-12
CHELMB1	Wearing a helmet makes me feel safer when I ride a bike	SC 8-12
CHELMB2	I sometimes forget to put my helmet on	SC 8-12
CHELMB3	Bicycle helmets cost too much money	SC 8-12
CHELMB4	Helmets look good	SC 8-12
CHELMB5	It is difficult to get helmets to fit	SC 8-12
CHELMB6	Helmets can protect you if you have an accident	SC 8-12
CHELMB7	Wearing a helmet makes me feel like a proper cyclist	SC 8-12

Anthropometric Measurements

Birth

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

Height/Weight Admin

RESPHTS	Response to height measurement	Indiv
RESNHI	Reason for refusal of height.	Indiv
EHTCH	Non proxy: Form in which estimated height given	Indiv
NOHTBC[18]	Reason for not obtaining height measurement	Indiv
RELHITE	Is this height measurement reliable?	Indiv
HINREL	What caused the height measurement to be unreliable?	Indiv
RESPWTS	Response to weight measurement	Indiv
RESNWT	Refusal of weight measurement	Indiv
NOWTBC	Reason for not obtaining weight measurement	Indiv
EWTCH	Form in which estimated weight given	Indiv
FLOORC1	Scales placed on uneven floor	Indiv
FLOORC2	Scales placed on carpet	Indiv
FLOORC3	Scales placed on none of these	Indiv
RELWAITB	Is this weight measurement reliable?	Indiv
STADNO	Serial number of stadiometer	Indiv
SCLNO	Serial number of scales	Indiv
SAYWGT	Given your age and height, would you say you are...	SC 8-15
SAYDIET	Are you 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
EHTM	Estimated height (metres)	Indiv
EHTFT	Estimated height (feet)	Indiv
EHtIn	Estimated height (inches)	Indiv
ESTH[19]	Final measured or estimated height (cm)	Indiv
WEIGHT	Weight (kg) - inc unreliable measurements	Indiv
NoHtBC	Reason for not obtaining height measurement	Indiv
PregNowB	May I check, are you 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

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[18] Variable called NOWTBX in 2009

[19] Variable called ESTHT in 2009

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 (ovrght inc. obese) 2008	Derived
BMICAT3	(D) BMI status (non-obese vs obese) 2008	Derived
BMIWHO	(D) WHO 2007 BMI standards 2-4yrs (85th/95th centile)	Derived
BMIWHO1	(D) WHO 2007 BMI standards 2-4yrs (91st/98th centile)	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
WHOutc	Waist Hip outcome	Nurse

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
SAMPTAK	Blood sample outcome:	Nurse
SAMPARM	Which arm the blood was taken:	Nurse
SAMDIFC1	Blood sample prob: No problem	Nurse
SAMDIFC2	Blood sample prob: Incomplete sample	Nurse
SAMDIFC3	Blood sample prob: Collapsing/poor veins	Nurse
SAMDIFC4	Blood sample prob: Second attempt necessary	Nurse
SAMDIFC5	Blood sample prob: Some blood obtained, but respondent felt faint/fainted	Nurse
SAMDIFC6	Blood sample prob: Unable to use tourniquet	Nurse
SAMDIFC7	Blood sample prob: Other	Nurse
NOBSC1	No blood obtained: No suitable or no palpable vein/collapsed veins	Nurse
NOBSC2	No blood obtained: Respondent was too anxious/nervous	Nurse
NOBSC3	No blood obtained: Respondent felt faint/fainted	Nurse
NOBSC4	No blood obtained: Other	Nurse
GPSAM	Registered with GP	Nurse
SENDSAM	Permission to send results of blood sample to GP	Nurse
SENSAC1	Blood sample not to GP: Hardly/never sees GP	Nurse
SENSAC2	Blood sample not to GP: GP recently took blood sample	Nurse
SENSAC3	Blood sample not to GP: Does not want to bother GP	Nurse
SENSAC4	Blood sample not to GP: Other	Nurse
CONSTORB*	Consent to store blood for future analysis	Nurse
SNDRSAM	Whether wants results of blood sample	Nurse
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
BLDDELAY	(D) Number of days from taking sample to lab receiving bld	Derived

Measurements

Variable	Description	Source
CHOLOK**	(D) Response to Total Cholesterol sample	Derived
CHOLVAL**	(D) Valid Total Cholesterol Result	Derived
CHOLVAL1**	(D) Valid Cholesterol Result (incl those on lld)	Derived
CHOLEST**	Total cholesterol result mmol/L (Blood data)	Lab
CHOLQUAL	Total cholesterol serum quality (Blood data)	Lab
HDLVAL**	(D) Valid HDL Cholesterol Result	Derived
HDLVAL1**	(D) Valid HDL Cholesterol Result (incl those on lld)	Derived
HDLCHOL**	HDL Cholesterol result (Blood data)	Lab
HDLQUAL	HDL Cholesterol serum quality (Blood data)	Lab
HDLOK	(D) Response to HDL Cholesterol sample	Derived
GLYHBOK	(D) Response to Glycated HB sample	Derived
GLYHBVAL	(D) Valid Glycated HB Result	Derived
GLYHB	Glycated haemoglobin result (%) (Blood data)	Lab

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* Removed from dataset due to reasons of confidentiality.

** Please see note in the User Guide in relation to these variables.

GLHBQUAL	Glycated haemoglobin serum quality (Blood data)	Lab
CREOKB	(D) Response to Creatinine sample	Derived
CREVAL	(D) Valid Creatinine Result	Derived
CREAT	Creatinine result (Blood data)	Lab
CREQUAL	Creatinine quality (Blood data)	Lab
HSEGFR	HSEGFR result (Blood data)	Lab
GFRQUAL	HSEGFR quality (Blood data)	Lab
VITDOK	(D) Response to Vitamin D sample	Derived
VITDVAL	(D) Valid Vitamin D Result mmol/L	Derived
TOTOHD	Vitamin D result nmol/L (blood data)	Lab
TOTOHDQ	Vitamin D quality (blood data)	Lab

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	Dinamap 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 844 reading	Nurse
NATTBP03	BP not obtained: Respondent too shy	Nurse
NATTBP04	BP not obtained: Child would not sit still	Nurse
NATTBP05	BP not obtained: Problems with cuff fitting/painful	Nurse
NATTBP06	BP not obtained: Problems with equipment	Nurse
NATTBP95	BP not obtained: Other reason	Nurse
DIFBPC01	BP problems: No problems taking blood pressure	Nurse
DIFBPC02	BP problems: Reading on left arm as right arm not suitable	Nurse
DIFBPC03	BP problems: Respondent was anxious/upset/nervous	Nurse
DIFBPC04	BP problems: Problem with cuff fitting/painful	Nurse
DIFBPC05	BP problems: Omron problem (not error reading)	Nurse
DIFBPC06	BP problems: Omron error reading	Nurse
DIFBPC95	BP problems: Other problem	Nurse
GPREGB	Whether registered with a GP	Nurse
GPSEND	Consent to send BP readings to GP	Nurse
GPREFC1	BP not to GP: Hardly/never sees GP	Nurse
GPREFC2	BP not to GP: GP knows respondents BP	Nurse
GPREFC3	BP not to GP: Does not want to bother GP	Nurse
GPREFC4	BP not to GP: Other reason	Nurse
BPRESPC	(D) Whether BP readings are valid	Derived

Measurements

Variable	Description	Source
SYS1OM	1st Systolic reading(mmHg)	Nurse
DIAS1OM	1st Diastolic reading(mmHg)	Nurse
PULS1OM	1st pulse reading(bpm)	Nurse
MAP1OM	1st MAP reading(mmHg)	Nurse
SYS2OM	2nd Systolic reading(mmHg)	Nurse

DIAS2OM	2nd Diastolic reading(mmHg)	Nurse
PULS2OM	2nd pulse reading(bpm)	Nurse
MAP2OM	2nd MAP reading(mmHg)	Nurse
SYS3OM	3rd Systolic reading(mmHg)	Nurse
DIAS3OM	3rd Diastolic reading(mmHg)	Nurse
PULS3OM	3rd pulse reading(bpm)	Nurse
MAP3OM	3rd MAP reading(mmHg)	Nurse
OMDIAST	(D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid	Derived
OMSYST	(D) Omron Systolic BP (mean 2nd/3rd) inc. invalid	Derived
OMMAP	(D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid	Derived
OMPULS	(D) Omron Pulse pressure, systolic-diastolic inc. invalid	Derived
OMDIAVAL	(D) Omron Valid Mean Diastolic BP	Derived
OMSYSVAL	(D) Omron Valid Mean Systolic BP	Derived
OMMAPVAL	(D) Omron Valid Mean Arterial Pressure	Derived
OMPULVAL	(D) Omron Valid Pulse Pressure	Derived
DINADIAS	(D) Dinamap Diastolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)	Derived
DINASYST	(D) Dinamap Systolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)	Derived
DINAMAP	(D) Dinamap Mean arterial pressure (mean 2nd/3rd) inc. invalid (converted from Omron)	Derived
DINAPULS	(D) Dinamap Pulse pressure, systolic-diastolic inc. invalid (converted from Omron)	Derived
DIDIAVAL	(D) Dinamap Valid Mean Diastolic BP	Derived
DISYSVAL	(D) Dinamap Valid Mean Systolic BP	Derived
DIMAPVAL	(D) Dinamap Valid Mean Arterial Pressure	Derived
DIPULVAL	(D) Dinamap Valid Pulse Pressure	Derived
HYPER2OM	(D) Hypertensive categories: all taking BP drugs (Omron readings)	Derived
HIBP2OM	(D) Whether hypertensive: all taking BP drugs (Omron readings)	Derived
HYPER2DI	(D) Hypertensive categories: all taking BP drugs (Dinamap readings)	Derived
HIBP2DI	(D) Whether hypertensive: all taking BP drugs (Dinamap readings)	Derived
HY140OM	(D) Hypertensive categories:140/90: all prescribed drugs for BP (Omron readings)	Derived
HBP140OM	(D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings)	Derived
HY140DI	(D) Hypertensive categories:140/90: all prescribed drugs for BP (Dinamap readings)	Derived
HBP140DI	(D) Whether hypertensive:140/90: all prescribed drugs for BP (Dinamap readings)	Derived
HYPER1OM	(D) Hypertensive categories: all prescribed drugs for BP (Omron readings)	Derived
HIBP1OM	(D) Whether hypertensive: all prescribed drugs for BP (Omron readings)	Derived
HYPER1DI	(D) Hypertensive categories: all prescribed drugs for BP (Dinamap readings)	Derived
HIBP1DI	(D) Whether hypertensive: all prescribed drugs for BP (Dinamap readings)	Derived
BP1	(D) Doctor diagnosed high blood pressure (excluding pregnant)	Derived
BPOutc	Outcome of blood pressure measurement	Nurse

Drinking

Adult General

Variable	Description	Source
WHYTT	Reason why stopped drinking	Indiv
DDRINKAG	Age first alcoholic drink	SC YP
DRINK	Do you ever drink alcohol nowadays, including drinks you brew or make at home?	Indiv/SC YP
DRINKANY	Does that mean you never have an alcoholic drink nowadays, or do you have an alcoholic drink very occasionally?	Indiv/SC YP
AlwaysTT	Whether always non-drinker	Indiv/SC YP
WhyTT	Whether stopped drinking because of a particular health condition	Indiv/SC YP
DRINKOFT	Frequency drank any alcoholic drink last 12 mths	Indiv/SC YP
dnnow	Whether drink 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
dwbtlgz	125ml glasses from a bottle (YP)	Indiv/SC YP

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
DRINKL7[20]	Whether had drink in last 7 days	Indiv/SC YP
DRNKDAY[21]	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

[20] Variable called D7DAY in 2009

[21] Variable called D7MANY in 2009

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
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
NBrL7Q2	Amount normal beer (small cans) on heaviest day	Indiv/SC YP
NBrL7Q3	Amount normal beer (large cans) on heaviest day	Indiv/SC YP
SBrL7Q2	Amount strong beer (small cans) on heaviest day	Indiv/SC YP
SBrL7Q3	Amount strong beer (large cans) on heaviest day	Indiv/SC YP
DNBL7Q2	Amount of normal beer etc on day drank most (large cans or bottles)	Indiv/SC YP
DNBL7Q3	Amount of normal beer etc on day drank most (small cans or bottles)	Indiv/SC YP
DSBL7Q2	Amount of strong beer etc on day drank most (large cans or bottles)	Indiv/SC YP
DSBL7Q3	Amount of strong beer etc on day drank most (small cans or bottles)	Indiv/SC YP

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

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	Type of fruit	Indiv
FRTC02	Type of fruit	Indiv
FRTC03	Type of fruit	Indiv
FRTC04	Type of fruit	Indiv
FRTC05	Type of fruit	Indiv
FRTC06	Type of fruit	Indiv
FRTC07	Type of fruit	Indiv
FRTC08	Type of fruit	Indiv
FRTC09	Type of fruit	Indiv
FRTC10	Type of fruit	Indiv
FRTC11	Type of fruit	Indiv
FRTC12	Type of fruit	Indiv
FRTC13	Type of fruit	Indiv
FRTC14	Type of fruit	Indiv
FRTC15	Type of fruit	Indiv
FRTQ01	How much of this fruit was eaten yesterday?	Indiv
FRTQ02	How much of this fruit was eaten yesterday?	Indiv
FRTQ03	How much of this fruit was eaten yesterday?	Indiv
FRTQ04	How much of this fruit was eaten yesterday?	Indiv
FRTQ05	How much of this fruit was eaten yesterday?	Indiv
FRTQ06	How much of this fruit was eaten yesterday?	Indiv
FRTQ07	How much of this fruit was eaten yesterday?	Indiv
FRTQ08	How much of this fruit was eaten yesterday?	Indiv
FRTQ09	How much of this fruit was eaten yesterday?	Indiv
FRTQ10	How much of this fruit was eaten yesterday?	Indiv
FRTQ11	How much of this fruit was eaten yesterday?	Indiv
FRTQ12	How much of this fruit was eaten yesterday?	Indiv
FRTQ13	How much of this fruit was eaten yesterday?	Indiv
FRTQ14	How much of this fruit was eaten yesterday?	Indiv
FRTQ15	How much of this fruit was eaten yesterday?	Indiv
FRTMOR01	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR02	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR03	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR04	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR05	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR06	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR07	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR08	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR09	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR10	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR11	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR12	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR13	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR14	Was any other fresh fruit eaten yesterday?	Indiv
FRTMOR15	Was any other fresh fruit eaten yesterday?	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
WEMEBS	(D) WEMWBS score	Derived
VASGP	(D) Visual Analogue Scale score grouped	Derived
Mobility	Mobility	SC
Selfcare	Self-Care	SC
UsualAct	Usual activities	SC
Pain	Pain/Discomfort	SC
Anxiety	Anxiety/Depression	SC
HthStat	Best/worst imaginable health state	SC
OptimF	Been feeling optimistic about the future	SC
Useful	Been feeling useful	SC
Relax	Been feeling relaxed	SC
IntPeop	Been feeling interested in other people	SC
Energy	I ve had energy to spare	SC
Dealprb	Been dealing with problems well	SC
ThkClr	Been thinking clearly	SC
Goodme	Been feeling good about myself	SC
ClsePeop	Been feeling close to other people	SC
Confidet	Been feeling confident	SC
Makemind	Been able to make up my own mind about things	SC
Loved	Been feeling loved	SC
IntThgs	Been interested in new things	SC
Cheer	Been feeling cheerful	SC
Paidwk	Currently in paid employment?	SC
Copejob	Able to cope with the demands of job	SC
Choicewk	Have a choice in deciding how to go about work	SC
Supptwk	Get help and support from line manager?	SC
Losejob	How likely will lose job and become unemployed within next 12 months?	SC
Happy	Happiness Scale	SC
SDQFEEL	Q1 Considerate of other people s feelings	SC
SDQHYPER	Q2 Restless, overactive, cannot stay still for long	SC
SDQACHES	Q3 Often complains of headaches, stomach-aches or sickness	SC
SDQSHARE	Q4 Shares readily with other children (treats, toys, pencils etc.)	SC
SDQTEMPR	Q5 Often has temper tantrums or hot tempers	SC
SDQALONE	Q6 Rather solitary, tends to play alone	SC
SDQOBEYS	Q7 Generally obedient, usually does what adults request	SC
SDQWORRY	Q8 Many worries, often seems worried	SC
SDQHELP	Q9 Helpful if someone is hurt, upset or feeling ill	SC
SDQFIDGT	Q10 Constantly fidgeting or squirming	SC
SDQPAL	Q11 Has at least one good friend	SC
SDQFIGHT	Q12 Often fights with other children or bullies them	SC
SDQSAD	Q13 Often unhappy, down-hearted or tearful	SC
SDQLIKED	Q14 Generally liked by other children	SC
SDQDAZE	Q15 Easily distracted, concentration wanders	SC
SDQCLING	Q16 Nervous or clingy in new situations, easily loses confidence	SC
SDQKIND	Q17 Kind to younger children	SC
SDQLIES	Q18 Often lies or cheats	SC

** Please see note in the User Guide in relation to this variable.

SDQBULLD	Q19 Picked on or bullied by other children	SC
SDQVOLS	Q20 Often volunteers to help others (parents, teachers, other children)	SC
SDQTHINK	Q21 Thinks things out before acting	SC
SDQSTEAL	Q22 Steals from home, school or elsewhere	SC
SDQADULT	Q23 Gets on better with adults than with other children	SC
SDQFEARS	Q24 Many fears, easily scared	SC
SDQTEND	Q25 Sees tasks through to the end, good attention span	SC
SDQDIFF	Q26 Child has difficulties?	SC
SDQLDIF	Q27 How long have these difficulties been present?	SC
SDQDDIS	Q28 Do the difficulties upset or distress your child?	SC
SDQDHOM	Q29 Do the difficulties interfere with home life?	SC
SDQDFRND	Q29 Do the difficulties interfere with friendships?	SC
SDQDCLSS	Q29 Do the difficulties interfere with classroom learning?	SC
SDQDLEIS	Q29 Do the difficulties interfere with leisure activities?	SC
SDQDBURD	Q30 Do the difficulties put a burden on you or the family?	SC

Diabetes

Variable	Description	Source
EVERDI	Do you now have, or have you ever had diabetes?	Indiv
DIABETES	Were you told by a doctor that you had diabetes?	Indiv
DIPREG	Can I just check, were you pregnant when you were told that you had d	Indiv
DIOTH	Have you ever had diabetes apart from when you were pregnant?	Indiv
DIAGE	Apart how old were you when you were first told by a doctor that you	Indiv
INSULIN	Do you currently inject insulin for diabetes?	Indiv
DiMed	Are you currently taking any medicines, tablets or pills for diabetes?	Indiv
OTHDI	Are you currently receiving anyother_ treatment or advice for diabetes?	Indiv
OTHERDI1	Other treatment: Special diet	Indiv
OTHERDI2	Other treatment: Eye screening / regular eye tests	Indiv
OTHERDI3	Other treatment: Regular check-up with GP/hospital/clinic	Indiv
OTHERDI4	Other treatment: Other	Indiv
CHECKUP1	Where are checkups: GP surgery	Indiv
CHECKUP2	Where are checkups: Hospital	Indiv
CHECKUP3	Where are checkups: Clinic	Indiv
CHECKUP4	Where are checkups: Other	Indiv
WHYNOET	You did not mention regular eye tests for your diabetes. Is there any	Indiv
DIABETE2	Doctor diagnosed diabetes (excluding pregnant)	Derived
DIABTYPE	(D) Type of diabetes	Derived

Folic Acid (women only)

Variable	Description	Source
FOLIC	At present, are you taking any folic acid supplements such as Solgar	Indiv
FOLPREG	Did you start taking folic acid supplements before becoming pregnant?	Indiv
FOLPREG1	Have you been taking folic acid supplements for the first 12 weeks of	Indiv
FOLPREGH	People can take folic acid for various health reasons.	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

** Please see note in the User Guide in relation to this variable.

ILLSM6**	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)	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

Prescribed Medicines: General

Variable	Description	Source
NumMeds	NumMeds	Nurse
Melaton	Are you currently taking any melatonin supplements such as tablets, capsules, creams or liquid drops?	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	Names of medicines prescribed by doctor	Nurse
MEDBI02	Names of medicines prescribed by doctor	Nurse
MEDBI03	Names of medicines prescribed by doctor	Nurse
MEDBI04	Names of medicines prescribed by doctor	Nurse
MEDBI05	Names of medicines prescribed by doctor	Nurse
MEDBI06	Names of medicines prescribed by doctor	Nurse
MEDBI07	Names of medicines prescribed by doctor	Nurse
MEDBI08	Names of medicines prescribed by doctor	Nurse
MEDBI09	Names of medicines prescribed by doctor	Nurse
MEDBI10	Names of medicines prescribed by doctor	Nurse
MEDBI11	Names of medicines prescribed by doctor	Nurse
MEDBI12	Names of medicines prescribed by doctor	Nurse
MEDBI13	Names of medicines prescribed by doctor	Nurse
MEDBI14	Names of medicines prescribed by doctor	Nurse
MEDBI15	Names of medicines prescribed by doctor	Nurse
MEDBI16	Names of medicines prescribed by doctor	Nurse
MEDBI17	Names of medicines prescribed by doctor	Nurse
MEDBI18	Names of medicines prescribed by doctor	Nurse
MEDBI19	Names of medicines prescribed by doctor	Nurse
MEDBI20	Names of medicines prescribed by doctor	Nurse
MEDBI21	Names of medicines prescribed by doctor	Nurse
MEDBI22	Names of medicines prescribed by doctor	Nurse
MEDCNJD	Whether taking medication - excluding contraceptives only	Nurse
STATINS	Are you taking statins (drugs to lower cholesterol) bought over the co	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

Personal Care Plans

Variable	Description	Source
CONVDOC**	Had conversation with doctor/nurse etc about your long term condition?	Indiv
LASTYR**	Was this 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	Have you talked about a Personal Care Plan with a health care profess	Indiv
WHYNOPL	Why have you not agreed a Personal Care Plan after discussing it? Is	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

Kidney Disease

Variable	Description	Source
EVERKIDD	Do you now or have you ever had chronic kidney disease?	Indiv
FAMKIDD	Do any close relatives have or ever had chronic kidney disease?	Indiv
RISKKID	Ever been told by doctor/health care professional that you are at risk of kidney disease?	Indiv
DOCINFO1[22]	Were you told by doctor that you had kidney disease?	Indiv
AGEINFO1[23]	How old were you when you were 1st told by doctor that you had kidney disease?	Indiv
KIDTEST	Ever been told being tested for kidney disease?	Indiv
WHKTEST	When were you (last) tested for kidney disease?	Indiv
WHTTEST1	Kidney disease test: Blood test	Indiv
WHTTEST2	Kidney disease test: Urine test	Indiv
WHTTEST3	Kidney disease test: Scan	Indiv
WHTTEST4	Kidney disease test: Other test	Indiv
WHTTEST5	Kidney disease test: Can't remember	Indiv
BLDRES	At most recent blood test were you told your percentage (eGFR)?	Indiv
URTEST1	Urine test for kidney: Blood	Indiv
URTEST2	Urine test for kidney: Protein	Indiv
URTEST3	Urine test for kidney: Neither	Indiv
URTEST4	Urine test for kidney: Don't know	Indiv
MEDKIDD	Are you currently taking any medicines, tablets or pills for kidney disease	Indiv
ADVKIDD	Are you receiving other treatment?	Indiv
KIDDC01	Kidney disease treatment: Diet	Indiv
KIDDC02	Kidney disease treatment: GP check-ups	Indiv
KIDDC03	Kidney disease treatment: Hospital check-ups	Indiv
KIDDC04	Kidney disease treatment: Regular dialysis	Indiv
KIDDC95	Kidney disease treatment: Other	Indiv

** Please see note in the User Guide in relation to this variable.

[22] Variable called DOCINFO2 in 2009

[23] Variable called AGEINFO2 in 2009

KIDDIAG	(D) Doctor diagnosed kidney disease	Derived
EGFRGP4	(D) eGFR in 4 categories	Derived
EGFRGP6	(D) eGFR in 6 categories	Derived
EGFRGP7	(D) eGFR in 7 categories	Derived
ALBCREGP	(D) Urinary albumin excretion grouped	Derived
KIDFAIL	(D) Chronic disease stage	Derived
KIDFAILGP	(D) Chronic disease stage (grouped)	Derived

GHQ12

Variable	Description	Source
GHQCONC	GHQ: Able to concentrate	SC 13+
GHQSLEEP	GHQ: Lost sleep over worry	SC 13+
GHQUSE	GHQ: Felt playing useful part in things	SC 13+
GHQDECIS	GHQ: Felt capable of making decisions	SC 13+
GHQSTRAI	GHQ: Felt constantly under strain	SC 13+
GHQOVER	GHQ: Felt couldn't overcome difficulties	SC 13+
GHQENJOY	GHQ: Able to enjoy day-to-day activities	SC 13+
GHQFACE	GHQ: Been able to face problems	SC 13+
GHQUNHAP	GHQ: Been feeling unhappy and depressed	SC 13+
GHQCONFI	GHQ: Been losing confidence in self	SC 13+
GHQWORTH	GHQ: Been thinking of self as worthless	SC 13+
GHQHAPPY	GHQ: Been feeling reasonably happy	SC 13+
GHQ12SCR	(D) GHQ Score - 12 point scale	Derived
GHQG2	(D) GHQ Score - grouped (0,1-3,4+)	Derived

Cardiovascular Disease

Variable	Description	Source
EVERBP	Do you have or ever had high blood pressure (hypertension)	Indiv
DOCBP	Were you told by a doctor/nurse that you had high BP?	Indiv
PREGBP	Were you pregnant whe you were told you had high BP?	Indiv
OTHBP	Have you had high BP apart from when pregnant?	Indiv
AGEBP	Age told had high BP?	Indiv
MEDBP	Are you currently taking any medicines, tablets or pills for high BP?	Indiv
BPSTILL	Do you still have high blood pressure?	Indiv
EVERMED	Have you ever taken medicines, tablets, or pills for high blood pressure?	Indiv
STPMED01	Stop BP medication: Doctor's advised to, improvement	Indiv
STPMED02	Stop BP medication: Doctor's advised to, lack of improvement	Indiv
STPMED03	Stop BP medication: Other problem	Indiv
STPMED04	Stop BP medication: Respondent decided to stop, felt better	Indiv
STPMED05	Stop BP medication: Respondent decided to stop, other reason	Indiv
STPMED95	Stop BP medication: other reason	Indiv
OTHADV	Are you receiving any other treatment/advice for high BP?	Indiv
WHTTRT01	Other treatment/advice currently receiving: Blood pressure monitored by GP/other doctor/nurse	Indiv
WHTTRT02	Other treatment/advice currently receiving: Advice or treatment to lose weight	Indiv
WHTTRT03	Other treatment/advice currently receiving: Blood tests	Indiv
WHTTRT04	Other treatment/advice currently receiving: Change diet	Indiv
WHTTRT05	Other treatment/advice currently receiving: Stop smoking	Indiv
WHTTRT06	Other treatment/advice currently receiving: Reduce stress	Indiv
WHTTRT95	Other treatment/advice currently receiving: Other	Indiv

Dental Health

Variable	Description	Source
DenHlth	In relation to dental health, which of the things on this card applies to you?	Indiv
NatTeeth	How many natural teeth have you got? Include teeth with crowns and wisdom teeth	Indiv
DenHlth2	Would you say that your dental health (your mouth, teeth and/or dentures) is...	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: Difficulty eating food	Indiv
DenProb5	Problems with mouth, teeth or dentures: Difficulty speaking clearly	Indiv
dentate	(D) Number of natural teeth	Derived
dprobnum	(D) Number of dental problems	Derived

Sexual Health

Variable	Description	Source
WCont2	Current methods of contraception: No method used - no current sexual relationship	SC
WCont3	Current methods of contraception: No method used - partner sterilised/had a vasectomy	SC
WCont4	Current methods of contraception: No method used - respondent sterilised/had a hysterectomy	SC
WCont5	Current methods of contraception: No method ever used - other reason	SC
WCont7	Current methods of contraception: Mini pill	SC
WCont8	Current methods of contraception: Combined pill	SC
WCont9	Current methods of contraception: Pill - not sure which	SC
WCont10	Current methods of contraception: Male condom	SC
WCont11	Current methods of contraception: Female condom	SC
WCont14	Current methods of contraception: Morning after pill	SC
WCont15	Current methods of contraception: Emergency intra-uterine device	SC
WCont16	Current methods of contraception: Coil/intra-uterine device	SC
WCont17	Current methods of contraception: Hormonal IUS - Mirena	SC
WCont18	Current methods of contraception: Cap/diaphragm	SC
WCont19	Current methods of contraception: Vaginal ring - Nuvaring	SC
WCont20	Current methods of contraception: Foams, gels, sprays, pessaries (spermicides)	SC
WCont21	Current methods of contraception: Contraceptive patch	SC
WCont22	Current methods of contraception: Injections	SC
WCont23	Current methods of contraception: Implants	SC
WCont24	Current methods of contraception: Safe period/rhythm method/Persona	SC
WCont25	Current methods of contraception: Withdrawal	SC
WCont26	Current methods of contraception: Going without sexual intercourse	SC
WCont29	Current methods of contraception: Another method of protection	SC
WNoCont	Are there occasions when do not use contraception?	SC
WUsualC	Which of the following applies?	SC
WYNoC	Reasons do not use contraception	SC
WMComb	Usually use more than one method	SC
WCMOft	Which contraceptive use most often?	SC
WMCHwL	How long been using usual method of contraception	SC
WYNoPP	Reasons do not use contraception	SC
WNoCHwL	How long not been using a method of contraception	SC
WMAP	Have used the emergency hormonal contraception pill in last year	SC
WMAPTm	How many occasions in last year used emergency contraception pill	SC
WMAPWr	Where did you go for pill?	SC
WMAPY	What was main reason for emergency contraception?	SC
WFPS1	In past year, have you sought advice from any of these sources?: I have not sought advice or supplies	SC
WFPS2	In past year, have you sought advice from any of these sources?: A doctor or nurse at GP s surgery	SC
WFPS3	In past year, have you sought advice from any of these sources?: Sexual health clinic	SC
WFPS4	In past year, have you sought advice from any of these sources?: NHS family planning clinic	SC
WFPS5	In past year, have you sought advice from any of these sources?: NHS ante-natal clinic	SC
WFPS6	In past year, have you sought advice from any of these sources?: Private non-NHS doctor or clinic	SC
WFPS7	In past year, have you sought advice from any of these sources?: Youth advisory clinic	SC
WFPS8	In past year, have you sought advice from any of these sources?: Pharmacy / chemist	SC
WFPS9	In past year, have you sought advice from any of these sources?: Internet website	SC

WFPS10	In past year, have you sought advice from any of these sources?: Supplies from school services	SC
WFPS11	In past year, have you sought advice from any of these sources?: Over the counter at shop	SC
WFPS12	In past year, have you sought advice from any of these sources?: Vending machine	SC
WFPS13	In past year, have you sought advice from any of these sources?: Mail order	SC
WFPS15	In past year, have you sought advice from any of these sources?: A&E department	SC
WFPS17	In past year, have you sought advice from any of these sources?: Any other place	SC
WTstCh	Have you ever had a test for Chlamydia?	SC
WTChWn	When had last test for Chlamydia?	SC
WCTsWr	Where last tested for Chlamydia	SC
WCTWy1	Why last tested for Chlamydia?: I had symptoms	SC
WCTWy2	Why last tested for Chlamydia?: Partner had symptoms	SC
WCTWy3	Why last tested for Chlamydia?: Notified because partner diagnosed with Chlmydia	SC
WCTWy4	Why last tested for Chlamydia?: Wanted a general sexual health check-up	SC
WCTWy5	Why last tested for Chlamydia?: Check-up after previous positive test	SC
WCTWy6	Why last tested for Chlamydia?: No symptoms but worried about risk of Chlamydia	SC
WCTWy7	Why last tested for Chlamydia?: Offered a routine test	SC
WCTWy8	Why last tested for Chlamydia?: Other	SC
WDiag1	Ever been told by a doctor that had any of following?: Chlamydia	SC
WDiag2	Ever been told by a doctor that had any of following?: Gonorrhea	SC
WDiag3	Ever been told by a doctor that had any of following?: Genital warts	SC
WDiag4	Ever been told by a doctor that had any of following?: Syphilis	SC
WDiag5	Ever been told by a doctor that had any of following?: Trichomonas vaginalis	SC
WDiag6	Ever been told by a doctor that had any of following?: Herpes (genital herpes)	SC
WDiag7	Ever been told by a doctor that had any of following?: Pubic lice / crabs	SC
WDiag8	Ever been told by a doctor that had any of following?: Hepatitis B	SC
WDiag9	Ever been told by a doctor that had any of following?: Pelvic Inflammatory Disease	SC
WDiag10	Ever been told by a doctor that had any of following?: Vaginal thrush	SC
WDiag11	Ever been told by a doctor that had any of following?: Bacterial vaginosis	SC
WDiag14	Ever been told by a doctor that had any of following?: Infection transmitted by sex	SC
WDiag15	Ever been told by a doctor that had any of following?: None of these	SC
WDiarec	Which were you told about most recently?	SC
WWnSti	When last told had an infection transmitted by sex?	SC
WWrSti	Where last treated for infection transmitted by sex	SC
W1stInt	Age first had sexual intercourse with a man	SC
WHetLife	In your life, with how many men have you had sexual intercourse?	SC
WCert	Are you certain of that number?	SC
WHet1Yr	In last year, with how many men have you had sexual intercourse?	SC
WCon4wk	Was a condom used on any occasions in last 4 weeks?	SC
WEvSam	Ever had sex with a woman?	SC
WSamLif	In your life, with how many women have you had sex?	SC
WCert2	Are you certain of that number?	SC
WSam5Yr	In last five years, with how many women have you had sex?	SC
MCont1	Current methods of contraception: No method	SC
MCont2	Current methods of contraception: No sexual relations with a woman currently	SC
MCont6	Current methods of contraception: The contraceptive pill	SC
MCont10	Current methods of contraception: Male condom	SC
MCont11	Current methods of contraception: Female condom	SC
MCont12	Current methods of contraception: Morning after pill	SC
MCont13	Current methods of contraception: Long acting reversible contraception	SC
MCont29	Current methods of contraception: Another method of protection	SC
MFPS1	In past year, have you sought advice from any of these sources?: I have not sought advice or supplies	SC
MFPS2	In past year, have you sought advice from any of these sources?: A doctor or nurse at GP s surgery	SC
MFPS3	In past year, have you sought advice from any of these sources?: Sexual health clinic	SC
MFPS4	In past year, have you sought advice from any of these sources?: NHS family planning clinic	SC
MFPS5	In past year, have you sought advice from any of these sources?: NHS ante-natal clinic	SC
MFPS6	In past year, have you sought advice from any of these sources?: Private non-NHS	SC

	doctor or clinic	
MFPS7	In past year, have you sought advice from any of these sources?: Youth advisory clinic	SC
MFPS8	In past year, have you sought advice from any of these sources?: Pharmacy / chemist	SC
MFPS9	In past year, have you sought advice from any of these sources?: Internet website	SC
MFPS10	In past year, have you sought advice from any of these sources?: Supplies from school services	SC
MFPS11	In past year, have you sought advice from any of these sources?: Over the counter at shop	SC
MFPS12	In past year, have you sought advice from any of these sources?: Vending machine	SC
MFPS13	In past year, have you sought advice from any of these sources?: Mail order	SC
MFPS15	In past year, have you sought advice from any of these sources?: A&E department	SC
MFPS17	In past year, have you sought advice from any of these sources?: Any other place	SC
MTstCh	Have you ever had a test for Chlamydia?	SC
MTChWn	When had last test for Chlamydia?	SC
MCTsWr	Where last tested for Chlamydia	SC
MCTWy1	Why last tested for Chlamydia?: I had symptoms	SC
MCTWy2	Why last tested for Chlamydia?: Partner had symptoms	SC
MCTWy3	Why last tested for Chlamydia?: Notified because partner diagnosed with Chlamydia	SC
MCTWy4	Why last tested for Chlamydia?: Wanted a general sexual health check-up	SC
MCTWy5	Why last tested for Chlamydia?: Check-up after previous positive test	SC
MCTWy6	Why last tested for Chlamydia?: No symptoms but worried about risk of Chlamydia	SC
MCTWy7	Why last tested for Chlamydia?: Offered a routine test	SC
MCTWy8	Why last tested for Chlamydia?: Other	SC
MDiag1	Ever been told by a doctor that had any of following?: Chlamydia	SC
MDiag2	Ever been told by a doctor that had any of following?: Gonorrhea	SC
MDiag3	Ever been told by a doctor that had any of following?: Genital warts	SC
MDiag4	Ever been told by a doctor that had any of following?: Syphilis	SC
MDiag5	Ever been told by a doctor that had any of following?: Trichomonas vaginalis	SC
MDiag6	Ever been told by a doctor that had any of following?: Herpes (genital herpes)	SC
MDiag7	Ever been told by a doctor that had any of following?: Pubic lice / crabs	SC
MDiag8	Ever been told by a doctor that had any of following?: Hepatitis B	SC
MDiag12	Ever been told by a doctor that had any of following?: Non Specific Urethritis	SC
MDiag13	Ever been told by a doctor that had any of following?: Epididymitis	SC
MDiag14	Ever been told by a doctor that had any of following?: Infection transmitted by sex	SC
MDiag15	Ever been told by a doctor that had any of following?: None of these	SC
MDiarec	Which were you told about most recently?	SC
MWnSti	When last told had an infection transmitted by sex?	SC
MWrSti	Where last treated for infection transmitted by sex	SC
M1stInt	Age first had sexual intercourse with a woman	SC
MHetLife	In your life, with how many women have you had sexual intercourse?	SC
MCert	Are you certain of that number?	SC
MHet1Yr	In last year, with how many women have you had sexual intercourse?	SC
MCon4wk	Was a condom used on any occasions in last 4 weeks?	SC
MEvSam	Ever had sex with a man?	SC
MSamLif	In your life, with how many men have you had sex?	SC
MCert2	Are you certain of that number?	SC
MSam5Yr	In last five years, with how many men have you had sex?	SC
MEvrPd	Have you ever paid money for sex with a woman?	SC
MLstPay	When was last time paid for sex with a woman?	SC
MSEver	(D) Men - ever had sex with a woman	Derived
MenSex	(D) Men - whether had sex with men, women, both neither	Derived
WSEver	(D) Women - ever had sex with a man	Derived
WomSex	(D) Women - whether had sex with men, women, both, neither	Derived
MCont	(D) Men - current method of contraception	Derived
WCSter	(D) Women - current method of contraception, surgical or non-surgical	Derived
WCSter2	(D) Women - current method of contraception, any	Derived
NoMeth	(D) Women - no method of contraception	Derived
WPill	(D) Women - contraceptive pill	Derived
WEmerg	(D) Women - emergency contraception	Derived
WLAct	(D) Women - long-acting contraception	Derived
Wcontmor1g	(D) Women - more than one method of contraception	Derived

WComb	(D) Women - combination of methods of contraception	Derived
WMapTm2	(D) Women - use of emergency contraception	Derived
WMap2	(D) Women - number of times emergency contraception used	Derived
MTCh	(D) Men - when last tested for chlamydia	Derived
WTCh	(D) Women - when last tested for chlamydia	Derived
MDiag	(D) Men - whether any STI	Derived
MDiagm12	(D) Men - Number of STIs	Derived

Respiratory Health

Variable	Description	Source
EverW	Have you ever had wheezing or whistling in the chest at any time, either now, or in the past?	Indiv
NoCol	Have you ever had this wheezing or whistling when (you/he/she) did not have a cold?	Indiv
TweWz	Have you had wheezing or whistling in the chest in the last 12 months?	Indiv
SleTw	In the last 12 months, how often on average has your sleep been disturbed due to wheezing or whistling in the chest?	Indiv
NaDli	In the last 12 months, how much did wheezing or whistling in the chest interfere with your normal daily activities?	Indiv
LstYrSoB	Apart from when doing strenuous exercise, have you ever had shortness of breath, breathlessness, or difficulty in breathing at any time in the last 12 months?	Indiv
SoBUp	Are you troubled by shortness of breath when hurrying on level ground or walking up a slight hill?	Indiv
SoBAg	Do you get short of breath walking with other people of your own age on level ground?	Indiv
SoLev	Do you have to stop for breath after walking at your own pace on level ground?	Indiv
SoBHouse	Are you ever too breathless to leave the house?	Indiv
LeavHo	Is that all or most days, at least once a week, or less often than that?	Indiv
SoBDress	Are you ever breathless when dressing or undressing?	Indiv
BDress	Is that all or most days, at least once a week, or less often than that?	Indiv
Coufam	Do you usually cough first thing in the morning?	Indiv
Couff	Do you usually cough first thing in the morning in the winter?	Indiv
CofDa	Do you usually cough during the day or night in the winter?	Indiv
FrCof	Do you cough like this on most days for as much as three months each year? That is, for three consecutive months	Indiv
FleUs	Do you usually bring up any phlegm from your chest?	Indiv
Flegm	Do you usually bring up any phlegm from your chest, first thing in the morning in the winter?	Indiv
FleDa	Do you usually bring up any phlegm from (your/his/her) chest, during the day or at night in the winter?	Indiv
FreFl	Do you bring up phlegm like this on most days for as much as three months each year? That is, for three consecutive months	Indiv
EverSnor	Have you ever been told that you snore heavily or loudly?	Indiv
EvrSleep	Has anyone ever told you that you stop breathing during your sleep?	Indiv
SleepTrt	Have you ever been investigated (or assessed) for a sleep related breathing problem?	Indiv
SleepNHS	Are you receiving treatment from the NHS for a sleep related breathing problem?	Indiv
SlpCPAP	Are you being treated with a machine you use at home called CPAP, or something else?	Indiv
SlpDay	In contrast to just feeling tired, how likely are you to doze off or fall asleep during the day?	Indiv
ConDr	Did a doctor or nurse ever tell you that you had asthma?	Indiv
FirAtA	How old were you when you were first told by a doctor or nurse that you had asthma?	Indiv
SymAs	Have you had any symptoms of asthma in the last 12 months, or are they controlled by medication?	Indiv
WhtSym	Do you have symptoms of asthma every day or most days, or do you have attacks every now and then, or both?	Indiv
SleepDif	In the last week, on how many days have you had difficulty sleeping because of your usual asthma symptoms?	Indiv
SymDays	In the last week, on how many days have you had your usual asthma symptoms during the day?	Indiv
IntDays	In the last week, on how many days has your asthma interfered with your usual activities?	Indiv

AsTwe	When was your most recent attack of asthma?	Indiv
COPD	Did a doctor ever tell you that you had chronic bronchitis, emphysema or COPD (Chronic Obstructive Pulmonary Disease)?	Indiv
WhtCOPD1	Which of the following did the doctor tell you that you had: COPD?	Indiv
WhtCOPD2	Which of the following did the doctor tell you that you had: Chronic Bronchitis?	Indiv
WhtCOPD3	Which of the following did the doctor tell you that you had: Emphysema?	Indiv
AgeCOPD1	How old were you when you were first told by a doctor that you had COPD?	Indiv
AgeCOPD2	How old were you when you were first told by a doctor that you had Chronic Bronchitis?	Indiv
AgeCOPD3	How old were you when you were first told by a doctor that you had Emphysema?	Indiv
Flare	Over the last 12 months have you had any flare ups when your symptoms were worse than usual for at least two days in a row?	Indiv
NumFlare	How many of these flare ups have you had in the last 12 months?	Indiv
ChgFlare	In these flare ups what changed?	Indiv
ChgFlar2	In these flare ups what changed? : Started to cough up phlegm	Indiv
ChgFlar3	In these flare ups what changed? : Phlegm increased in volume	Indiv
ChgFlar4	In these flare ups what changed? : Colour of phlegm changed	Indiv
ChgFlar5	In these flare ups what changed? : Other change	Indiv
TrtFlare	How were these flare ups usually treated?	Indiv
TrtFlar2	How were these flare ups usually treated? : Taking antibiotics	Indiv
TrtFlar3	How were these flare ups usually treated? : Taking steroid tablets	Indiv
TrtFlar4	How were these flare ups usually treated? : Other treatment (specify what it was)	Indiv
TrtFlar5	How were these flare ups usually treated? : No treatment	Indiv
ColdCOPD	If you have a cold do your chest symptoms get worse?	Indiv
HrtCOPD	Have you ever been told by a doctor that you also have heart failure?	Indiv
Inhal	Over the last 12 months, have you used an inhaler, puffer or nebuliser prescribed by a doctor to treat (your/his/her) asthma, wheezing or whistling, or difficulty in breathing?	Indiv
TrtMed1	What treatment or medication are you taking every day: Steroid tablets?	Indiv
TrtMed2	What treatment or medication are you taking every day: Theophylline tablets?	Indiv
TrtMed3	What treatment or medication are you taking every day: Antibiotics?	Indiv
TrtMed4	What treatment or medication are you taking every day: Tablets, capsules or other liquid medicine to help bring up phlegm?	Indiv
TrtMed5	What treatment or medication are you taking every day: Other tablets or granules?	Indiv
TrtMed6	What treatment or medication are you taking every day: Inhalers?	Indiv
TrtMed7	What treatment or medication are you taking every day: Oxygen?	Indiv
TrtMed8	What treatment or medication are you taking every day: Other treatment or medication?	Indiv
TrtMed9	What treatment or medication are you taking every day: None?	Indiv
InhList	Have you used any of the inhalers on this list in the past 12 months?	Indiv
InhDay	Do you use any of the inhalers on this list every day?	Indiv
InhWeek	On how many days have you used an inhaler on this list in the last seven days?	Indiv
InhList2	Have you used any of the inhalers on this list in the past 12 months?	Indiv
InhDay2	Do you use any of the inhalers on this list every day?	Indiv
InhWeek2	On how many days have you used an inhaler on this list in the last seven days?	Indiv
InhList3	Have you used any of the inhalers on this list in the past 12 months?	Indiv
InhDay3	Do you use any of the inhalers on this list every day?	Indiv
InhWeek3	On how many days have you used an inhaler on this list in the last seven days?	Indiv
InhList4	Have you used any of the inhalers on this list in the past 12 months?	Indiv
InhDay4	Do you use any of the inhalers on this list every day?	Indiv
InhWeek4	On how many days have you used an inhaler on this list in the last seven days?	Indiv
InhList5	Have you name used any of the inhalers on this list in the past 12 months?	Indiv
InhDay5	Do you use any of the inhalers on this list every day?	Indiv
InhWeek5	On how many days have you used an inhaler on this list in the last seven days?	Indiv
AtSch	Are you attending school?	Indiv
SchAb	Over the last 12 months, how many days has your asthma/wheezing/whistling in your chest caused you to be absent from school?	Indiv
EasInh	How easy or difficult is it for you to get to your reliever inhaler at school?	Indiv
SchSit1	Have you had an asthma attack at school which has involved: The teachers or the nurse had to assist?	Indiv
SchSit2	Have you had an asthma attack at school which has involved: Parents had to be called to the school?	Indiv
SchSit3	Have you had an asthma attack at school which has involved: An ambulance had to be called?	Indiv
SchSit4	Have you had an asthma attack at school which has involved: None of these?	Indiv

FtMnt	Over the last 12 months, for how many months did you work full-time?	Indiv
WoAbs	Over the last 12 months, how many days has your wheezing/whistling in your chest, shortness of breath or difficulty in breathing caused you to be absent from work?	Indiv
LimStren	On average, during the past week, how limited were you in strenuous physical activities because of your breathing problems	Indiv
LimMod	On average during the past week, how limited were you in moderate physical activities because of your breathing problems	Indiv
LimDaily	On average during the past week, how limited were you in daily activites at home because of your breathing problems	Indiv
LimSocia	On average during the past week, how limited were you in social activities because of your breathing problems	Indiv
NoFlu	In the last 12 months, have you had a problem with sneezing or a runny or blocked nose when you did not have a cold or the flu?	Indiv
NoFlFour	When you suffer from this, is this for more than four hours a day on more than four days a week?	Indiv
Hayfever	Is this nose trouble seasonal (for instance hay fever) or all the year round?	Indiv
NosWk	Does your nose trouble interfere with your performance at work?	Indiv
NosWOff	Over the last 12 months, how many days has your nose trouble caused you to be absent from work?	Indiv
NosSch	Does your nose trouble interfere with your performance at school?	Indiv
NSchOff	Over the last 12 months, how many days has your nose trouble caused you to be absent from school?	Indiv
HFevrTrt	Do you take any medications for your nose symptoms?	Indiv
HFEvDay	Do you take these medicines every day, or just when your symptoms get worse?	Indiv
HFTrtOk	Does the medication you take for your nose trouble adequately control the problem?	Indiv
HadFlu	Since May 2009, have you had a flu-like illness where you felt feverish and had a cough or sore throat?	Indiv
SwineFlu	Do you think your flu-like illness was swine flu?	Indiv
WhnMSFlu	When did you have this illness - which month was it?	Indiv
WhnYSFlu	When did you have this illness - which year was it?	Indiv
DiagFlu	What makes you think it was swine flu?	Indiv
TreatSFl	How was this illness treated?	Indiv
SFluWork	How many days did you have to take off work, school or college because of the illness?	Indiv
WhnMFlu	When did you have this illness - which month and year was it? INTERVIEWER: Record the month here.	Indiv
WhnYFlu	When did you have this illness - which month and year was it? INTERVIEWER: Record the year here.	Indiv
TreatFlu	How was your flu-like illness treated?	Indiv
FluWork	How many days did you have to take off work, school or college because of the illness? INTERVIEWER: Exclude weekends.	Indiv
FluJab	Since October 2009, have you received a flu jab?	Indiv
WhenMJab	When did you have a flu jab?	Indiv
WhenYJab	When did you have a flu jab?	Indiv
JabTyp	What type of jab was it?	Indiv
MoreJab	Have you had any other flu jabs since October 2009?	Indiv
WhenMJa2	When did you have a flu jab? NTERVIEWER: Record the month here.	Indiv
WhenYJa2	When did you have a flu jab? INTERVIEWER: Record the year here.	Indiv
JabTyp2	What type of jab was it?	Indiv
MoreJab2	Have you had any other flu jabs since October 2009?	Indiv
WhenMJa3	When did you have a flu jab? INTERVIEWER: Record the month here.	Indiv
WhenYJa3	(hen did you have a flu jab? INTERVIEWER: Record the year here.	Indiv
JabTyp3	What type of jab was it?	Indiv
MoreJab3	Have you had any other flu jabs since October 2009?	Indiv
WhenMJa4	When did you have a flu jab? INTERVIEWER: Record the month here.	Indiv
WhenYJa4	When did you have a flu jab? INTERVIEWER: Record the year here.	Indiv
JabTyp4	What type of jab was it?	Indiv
MoreJab4	Have you had any other flu jabs since October 2009?	Indiv
JabTime	You said you had a flu-like illness in (Month) (Year), and you had a flu jab that month. From this card, when did you have the illness?	Indiv
MRC	(D) MRC breathlessness scale	Derived
inhaler	(D) Treatment taken daily for asthma: Inhaler	Derived
steroid	(D) Treatment taken daily for asthma: Steroid tablets	Derived
antibiotics	(D) Treatment taken daily for asthma: Antibiotics	Derived

other	(D) Treatment taken daily for asthma: Other	Derived
none	(D) Treatment taken daily for asthma: None	Derived
COPD_flare	(D) Whether COPD flare up in last 12 months	Derived
inhaler_COPD	(D) Treatment taken daily for bronchitis, emphysema and COPD: Inhaler	Derived
steroid_COPD	(D) Treatment taken daily for bronchitis, emphysema and COPD: Steroid tablets	Derived
antibiotics_COPD	(D) Treatment taken daily for bronchitis, emphysema and COPD: Antibiotics	Derived
other_COPD	(D) Treatment taken daily for bronchitis, emphysema and COPD: Other	Derived
none_COPD	(D) Treatment taken daily for bronchitis, emphysema and COPD: None	Derived

Smoking

Adult General

Variable	Description	Source
STARTSMK	Age when started smoking	Indiv
DRSMOKE	DidHas a medical person ever advised	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
SMKEVRN[24]	Whether ever smoked cigarette/cigar/pipe	Indiv/SC YP
CIGNOW	Whether smoke cigarettes nowadays	Indiv/SC YP
CIGEVR	Whether ever smoked cigarettes	Indiv/SC YP
CIGREG	How frequently used to smoke	Indiv/SC YP
FATHSM[25]	Whether father smoked when informant a child	Indiv/SC YP
MOTHSM[26]	Whether mother smoked when informant a child	Indiv/SC YP

Adult Current Smokers

Variable	Description	Source
SMOKWH1	In last 7days I smoked: At my home (indoors or outside)	Indiv
SMOKWH2	In last 7days I smoked: Outside (other than at home)	Indiv
SMOKWH3	In last 7days I smoked: Inside other people's homes	Indiv
SMOKWH4	In last 7days I smoked: Whilst travelling by car	Indiv
SMOKWH5	In last 7days I smoked: Inside other places	Indiv
SMOKHM01	In last 7days I smoked: Outside, for example in the garden or on doorstep	Indiv
SMOKHM02	In last 7days I smoked: Own room/bedroom	Indiv
SMOKHM03	In last 7days I smoked: Living room	Indiv
SMOKHM04	In last 7days I smoked: Kitchen	Indiv
SMOKHM05	In last 7days I smoked: Toilet	Indiv
SMOKHM06	In last 7days I smoked: Bathroom	Indiv
SMOKHM07	In last 7days I smoked: Study	Indiv
SMOKHM08	In last 7days I smoked: Dining room	Indiv
SMOKHM09	In last 7days I smoked: Everywhere	Indiv
SMOKHM10	In last 7days I smoked: Somewhere else in the home	Indiv
SMOKOUT1	In last 7days I smoked: In the street, or out and about	Indiv
SMOKOUT2	In last 7days I smoked: Outside at work	Indiv
SMOKOUT3	In last 7days I smoked: Outside other people's home	Indiv
SMOKOUT4	In last 7days I smoked: Outside pubs or bars	Indiv
SMOKOUT5	In last 7days I smoked: Outside restaurants, cafes, or canteens	Indiv
SMOKOUT6	In last 7days I smoked: Outside shops	Indiv
SMOKOUT7	In last 7days I smoked: Outside other places	Indiv
SMOKPPL1	In last 7days I smoked near: Babies aged 2 and under	Indiv
SMOKPPL2	In last 7days I smoked near: Children aged 2-10	Indiv
SMOKPPL3	In last 7days I smoked near: Children aged 11-15	Indiv

[24] Variable called SMKEVR in 2009

[25] Variable called in SMKDAD 2009

[26] Variable called SMKMUM in 2009

SMOKPPL4	In last 7days I smoked near: Older adults over the age of 65	Indiv
SMOKPPL5	In last 7days I smoked near: Pregnant women	Indiv
SMOKPPL6	In last 7days I smoked near: Adults aged 16-64 with asthma or breathing problems	Indiv
SMOKPPL7	In last 7days I smoked near: None of these	Indiv
SMNODAY	How easy or difficult would youName[PNo] find it to go without smokin	Indiv
GIVEUP	Would you like to give up smoking altogether?	SC
GVUPRS01	Giveup: Because of a health problem I have at present	Indiv
GVUPRS02	Giveup: Better for my health in general	Indiv
GVUPRS03	To reduce the risk of getting smoking related illnesses	Indiv
GVUPRS04	Giveup: Because of theforthcoming smoking ban in all enclosed public places, including pubs and restaurants	Indiv
GVUPRS05	Giveup: Family or friends wanted me to stop	Indiv
GVUPRS06	Giveup: Financial reasons (can't afford it)	Indiv
GVUPRS07	Giveup: Worried about the effect on my children	Indiv
GVUPRS08	Giveup: Worried about the effect on other family members	Indiv
GVUPRS09	Giveup: Something else	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 giveup: Advice from a GP or health professional	Indiv/SC YP
QITRSN02	Reason giveup: Advert for a nicotine replacement product	Indiv/SC YP
QITRSN03	Reason giveup: Government TV, radio or press advert	Indiv/SC YP
QITRSN04	Reason giveup: Hearing about a new stop smoking treatment	Indiv/SC YP
QITRSN05	Reason giveup: Financial reasons (couldn't afford it)	Indiv/SC YP
QITRSN06	Reason giveup: Being faced with theforthcoming smoking ban in all enclosed public places, including pubs and restaurants	Indiv/SC YP
QITRSN07	Reason giveup: I knew someone else who was stopping	Indiv/SC YP
QITRSN08	Reason giveup: Seeing a health warning on cigarette packet	Indiv/SC YP
QITRSN09	Reason giveup: Family or friends wanted me to stop	Indiv/SC YP
QITRSN10	Reason giveup: Being contacted by my local NHS Stop Smoking Services	Indiv/SC YP
QITRSN11	Reason giveup: Health problems I had at the time	Indiv/SC YP
QITRSN12	Reason giveup: Worried about future health problems	Indiv/SC YP
QITRSN13	Reason giveup: Pregnancy	Indiv/SC YP
QITRSN14	Reason giveup: Worried about the effect on my children	Indiv/SC YP
QITRSN15	Reason giveup: Worried about the effect on other family members	Indiv/SC YP
QITRSN16	Reason giveup: My own motivation	Indiv/SC YP
QITRSN17	Reason giveup: Something else	Indiv/SC YP
QITRSN18	Reason giveup: 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	And for approximately how many years did you smoke cigarette	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
ANRSM2O1	Often near people who smoke: At home	SC 8-15
ANRSM2O2	Often near people who smoke: In other people's homes	SC 8-15
ANRSM2O4	Often near people who smoke: In a car	SC 8-15
ANRSM2O5	Often near people who smoke: In the street	SC 8-15
ANRSM2O6	Often near people who smoke: Outdoor areas of pubs/cafes/restaurants	SC 8-15
ANRSM2O7	Often near people who smoke: Park/playing facilities	SC 8-15
ANRSM2O8	Often near people who smoke: Public places unspecified	SC 8-15
ANRSM2O9	Often near people who smoke: School	SC 8-15
ANRSM210	Often near people who smoke: In other places	SC 8-15
ANRSM297	Often near people who smoke: No, none of these	SC 8-15
ASMKBTHR	Being around smoke bother you	SC 8-15
KCIGREGG	(D) Frequency of cigarette smoking (8-15s) (grouped)	Derived
KCIGEVR	Whether ever smoked cigarettes (8-15s)	SC 8-15
KCIGAGE	Age first smoked a cigarette (8-15s)	SC 8-15
KCIGREG	Frequency and amount smoked (8-15s)	SC 8-15
KCIGWEEK	Whether smoked in previous week (8-15s)	SC 8-15
KCIGNUM	Number of cigarettes smoked last week (8-15s)	SC 8-15
CHEXPSM	(ask parent/guardian) 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
BNICPATS[27]	Which brand and strength of nicotine patches	Nurse
USENAS	Used a nicotine nasal spray?	Nurse
NICUSEB	(D) Used nicotine products in last 7 days e.g. gum, patch, nasal spray	Derived

[27] Variable called NICPATS in 2009

Cotinine		
Variable	**Description**	**Source**
SALINTR1	Consent to take saliva sample	Nurse
SALOBT1	Whether saliva sample obtained	Nurse
SALHOW	Mmethod 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[28]	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
cot12val	(D) Valid Cotinine (saliva): 0<12,12+	Derived

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[28] Variable called COTSAL in 2009

Urine

Admin

Variable	Description	Source
URIINTRO	Consent to take urine sample	Nurse
URIOBT1	Whether urine sample obtained	Nurse
URINOBT3	Sample not obtained: Not able to produce any urine	Nurse
URINOBT4	Sample not obtained: Other	Nurse
UROUT	Urine sample outcome	Nurse
TimeUr	Time at start of Urine Sample module	Nurse

Measurements

Variable	Description	Source
SODIUM	Sodium result	Lab
SODIUMQ	Sodium quality	Lab
SODIVAL	(D) Valid Sodium Result	Derived
POTASS	Potassium result	Lab
POTASSQ	Potassium quality	Lab
CREATIN	Creatinine result	Lab
CREATINQ	Creatinine quality	Lab
ALBUMIN2	Albumin result (capped at >400)	Lab
ALBUMINQ	Albumin quality (Urine data)	Lab
ALBCREAT	Albumin/Creatinine ratio result	Lab
ALBCREAQ	Albumin/Creatinine ratio quality	Lab
UMELT**	Melatonin result ng/ml	Lab
UMELTQ	Melatonin quality	Lab

** Please see note in the User Guide in relation to this variable.

Spirometry

Admin

Variable	Description	Source
LungSurg	Lung function: Whether respondent had abdominal or chest surgery in last three months	Indiv
LungEye	Lung function: Whether respondent has had eye or ear surgery in the last three months	Indiv
LungHrt	Lung function: Whether respondent has had a heart attack in the last three months	Indiv
LungHosp	Lung function:Whether admitted to hospital for heart complaint in past month	Indiv
LungEx	Derived: Excluded from lung function test?	Indiv
LungTest	Lung function: Whether respondent is willing to have lung function measured	Indiv
NoAttLF0	Record why unable to take reading: Problems with PC	Indiv
NoAttLF1	Record why unable to take reading: Respondent is breathless	Indiv
NoAttLF2	Record why unable to take reading: Respondent is unwell	Indiv
NoAttLF3	Record why unable to take reading: Respondent upset/anxious/nervous	Indiv
NoAttLF4	Record why unable to take reading: Nurse concern over respondent safety	Indiv
NoAttLF5	Record why unable to take reading: Equipment / software problems	Indiv
NoAttLF9	Record why unable to take reading: Other reason	Indiv
LungSmok	Can I just check, have you smoked in the last 24 hours? This may have been a cigarette, cigar or pipe.	Indiv
LungSmHr	How many hours ago did you last smoke? @/@/NURSE: Code the number of hours. If less than one hour, code 0	Indiv
LungInhl	Lung function: Whether used an inhaler/puffer in last 24 hours	Indiv
LungInHr	Lung function: How many hours ago inhaler/puffer used	Indiv
NullLF0	Record why you were unable to take any readings: Problems with PC	Indiv
NullLF1	Record why you were unable to take any readings: Respondent did not understand manoeuvre	Indiv
NullLF2	Record why you were unable to take any readings: Respondent stopped due to discomfort	Indiv
NullLF3	Record why you were unable to take any readings: Respondent did not wish to continue for reason other than discomfort	Indiv
NullLF4	Record why you were unable to take any readings: Nurse concern over respondent safety	Indiv
NullLF5	Record why you were unable to take any readings: Caused coughing / breathlessness in respondent	Indiv
NullLF6	Record why you were unable to take any readings: Equipment/software problems	Indiv
NullLF95	Record why you were unable to take any readings : Other	Indiv
LungGP	May we send the results of your lung function test to your GP?	Indiv
NoLungGP	Why do you not want you lung function test results sent to your GP? : Hardly/never sees GP	Indiv
NoLungG2	Why do you not want you lung function test results sent to your GP? : Does not want to bother GP	Indiv
NoLungG3	Why do you not want you lung function test results sent to your GP? : Other	Indiv

Measurement

Variable	Description	Source
UseSpiro	Whether useable spirometry data (grade A-C or D and marked to use in QA)	Derived
QADone	Whether QA done on this case	Derived
GradeR	Final quality grade - after QA	Derived
HiFEV1	Highest FEV1 value across all trials - after QA	Derived
HiFVC	Highest FVC value across all trials - after QA	Derived
FEV1FVC	FEV1/FVC ratio (based on highest values across all trials) - after QA	Derived
FEV1Pred	Percentage predicted of FEV1	Derived
FVCPred	Percentage predicted of FVC	Derived
FEV1FVCP	Percentage predicted of FEV1/FVC ratio	Derived
FEV1Cent	Centile of FEV1	Derived
FVCCent	Centile of FVC	Derived
FEV1FVCC	Centile of FEV1/FVC	Derived
FEV1SDS	SDS of FEV1	Derived
FVCSDS	SDS of FVC	Derived

FEV1FVCS	SDS of FEV1/FVC	Derived
COPDD	(D) Doctor-diagnosed COPD, recoded into Yes/No only	Derived
Asthma	(D) Whether have/had asthma now/previously/never	Derived
ChSmSt	(D) Child's smoking status	Derived
LFOUTC**	(D) New lung function outcome	Derived
qualspiro	(D) Quality of spirometry measure after QA	Derived
qualspiro2	(D) Quality of spirometry - whether provided good quality measure	Derived
FEV1Cat1	(D) Whether FEV1 is at or above the 5th centile, or below the 5th centile	Derived
FEV1Cat2	(D) Whether FEV1 is at or above the 2.5th centile, or below the 2.5th centile	Derived
FVCCat1	(D) Whether FVC is at or above the 5th centile, or below the 5th centile	Derived
FVCCat2	(D) Whether FVC is at or above the 2.5th centile, or below the 2.5th centile	Derived
FEV1FVCCat1	(D) Whether FEV1/FVC is at or above the 5th centile, or below the 5th centile	Derived
FEV1FVCCat2	(D) Whether FEV1/FVC is at or above the 2.5th centile, or below the 2.5th centile	Derived
AirObs	(D) Airflow obstruction - categorical variable	Derived

---

** Please see note in the User Guide in relation to this variable.

Renal analytes

Renal analytes data		
Variable	**Description**	**Source**
CKDEPI	(D) CKDEPI result	Derived
eGFRCKDEPI	(D) CKDEPI result - grouped	Derived
eGFRMDRD	(D) eGFRMDRD result	Derived
EGFR_MDRD	(D) eGFRMDRD result - grouped	Derived
CYSTC	(D) Serum cystatin C	Derived
eGFRGRUBB	(D) Grubb Result	Derived
eGFRGRUBBGP3	(D) eGFR in 2 categories using Grubb	Derived
Alb	(D) Albuminuria (grouped)	Derived
BMI2	(D) BMI grouped into three categories: Normal, Overweight and Obese	Derived
waistgp	(D) Waist measurement grouped into three categories: Normal, High and Very high	Derived
gly_6half	(D) GlyHB 6.5% and over	Derived
Total_Dia	(D) Diabetes: Yes/No	Derived
surv_diag_ht	(D) Survey diagnosed Hypertension	Derived
Total_ht	(D) Hypertension: Yes/No	Derived
Chol_Thres	(D) Cholestorel split into above/below threshold	Derived
HDL_Thres	(D) HDL Cholesterol value grouped	Derived

Health Survey for England

Health
and
lifestyles

2010

Derived Variable Specification

Contents

Classification

Household

HHSIZE: (D) Household Size

```
SPSS Syntax

COMPUTE hhsize= adults+children+infants.
VARIABLE LABELS hhsize "(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 hhp10.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)
 (2 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".
```

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)  (16 thru Hi=-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".
```

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

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

```
5     85+
```

MARSTATC: Marital status including cohabitees

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

Admin

INTDAYW: (D) Weekday of individual interview

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   Yellow 8-12
2   Green 13-15
3   Pale Blue Young Adult Men
4   Pale Pink Young Adult Women
5   Dark Blue Adult Men
6   Dark Pink Adult Women
7   Grey Adults 70+

```
SPSS Syntax

COMPUTE booklet =0.
IF age>=8 and age<13 and screc=1 booklet=1.
IF age>=13 and age<16 and screc=1 booklet=2.
IF sex=1 and age>=16 and age<19 and screc=1 booklet=3.
IF sex=2 and age>=16 and age<19 and screc=1 booklet=4.
IF sex=1 and age>=18 and age<25 and screc=1 & bookchk=2 booklet=3.
IF sex=1 and age>=18 and age<25 and screc=1 & bookchk=1 booklet=5.
IF sex=1 and age>=25 and age<70 and screc=1 booklet=5.
IF sex=2 and age>=18 and age<25 and screc=1 & bookchk=2 booklet=4.
IF sex=2 and age>=18 and age<25 and screc=1 & bookchk=1 booklet=6.
IF sex=2 and age>=25 and age<70 and screc=1 booklet=6.
IF age>=70 and screc=1 booklet=7.
RECODE booklet (0=-1).
EXECUTE.
VARIABLE LABELS booklet "(D) Eligible for which self-completion booklet?".
VALUE LABELS booklet
 -1 "Item not applicable"
  1 "Yellow 8-12"
  2 "Green 13-15"
  3 "Pale Blue Young Adult Men"
  4 "Pale Pink Young Adult Women"
  5 "Dark Blue Adult Men"
  6 "Dark Pink Adult Women"
  7 "Grey Adults 70+".
```

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
99   Other

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 hpnssec8.
VARIABLE LABEL hpnssec8 "(D) NS-SEC 8 variable classification (hrp)".
VALUE LABEL hpnssec8
  1 "Higher managerial and professional occupations"
  2 "Lower managerial and professional occupations"
  3 "Intermediate occupations"
  4 "Small employers and own account workers"
  5 "Lower supervisory and technical occupations"
  6 "Semi-routine occupations"
  7 "Routine occupations"
  8 "Never worked and long term unemployed"
  99 "Other".

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

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

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) (else=copy) into econact5.
if econact=1 and employe=2 econact5=2.
variable labels econact5 '(D) Economic status (5 groups)'.
value labels econact5 -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.
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
    5   'Highest Quintile (>£45,138.89)'
    4   'Second highest Quintile (>£29,166.67 <=£45,138.89)'
    3   'Middle Quintile (>£19,090.91 <=£29,166.67)'
    2   'Second lowest Quintile (>£11,142.86 <=£19,090.91)'
    1   'Lowest Quintile (<=£11,142.86)'.

EQV3: (D) Equivalised Income Tertiles
    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='F:\Secure\HSE\clean_hse10.sav'
  /KEEP serialh jntinc hhinc.
SORT CASES BY serialh.
EXECUTE.
AGGREGATE OUTFILE='F:\Secure\HSE\hh10.sav'
  /BREAK= serialh
  /jointinc hholdinc = MEAN(jntinc hhinc).


** Use HHP data file adding activ to each record .
GET FILE='F:\Secure\HSE\clean_hhp10.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:\Secure\HSE\mcxx10.sav'
  /KEEP serialh seriali hrpid adults infants persno relnship age.
GET FILE='F:\Secure\HSE\clean_hse10.sav'
  /KEEP seriali activb.
SORT CASES seriali(A).
SAVE OUTFILE='F:\Secure\HSE\activ10.sav'.
MATCH FILES FILE='F:\Secure\HSE\mcxx10.sav'
  /TABLE='F:\Secure\HSE\activ10.sav'
  /BY seriali.
SAVE OUTFILE='F:\Secure\HSE\mcchhp10.sav'.
```

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

** Create all variables, default to 0 .
GET FILE='F:\Secure\HSE\mcchhp10.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:\Secure\HSE\mchhp10x.sav'.

** Create Hrp file, save & merge .
GET FILE='F:\Secure\HSE\mchhp10x.sav'.
SELECT IF (hrpid=1).
SAVE OUTFILE='F:\Secure\HSE\mcchoh10.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:\Secure\HSE\p",!J,".sav")).
GET FILE='F:\Secure\HSE\mchhp10x.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:\Secure\HSE\hh10.sav'
  /table='F:\Secure\HSE\mcchoh10.sav'
  /table='F:\Secure\HSE\p1.sav'
  /table='F:\Secure\HSE\p2.sav'
  /table='F:\Secure\HSE\p3.sav'
  /table='F:\Secure\HSE\p4.sav'
  /table='F:\Secure\HSE\p5.sav'
  /table='F:\Secure\HSE\p6.sav'
  /table='F:\Secure\HSE\p7.sav'
  /table='F:\Secure\HSE\p8.sav'
  /table='F:\Secure\HSE\p9.sav'
  /table='F:\Secure\HSE\p10.sav'
  /table='F:\Secure\HSE\p11.sav'
  /table='F:\Secure\HSE\p12.sav'
  /BY serialh.
EXECUTE.
SAVE OUTFILE='F:\Secure\HSE\income10.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:\Secure\HSE\income10.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<=11142.86 eqv5=1.
IF eqvinc>11142.86 and eqvinc<=19090.91 eqv5=2.
IF eqvinc>19090.91 and eqvinc<=29166.67 eqv5=3.
IF eqvinc>29166.67 and eqvinc<=45138.89 eqv5=4.
IF eqvinc>45138.89 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 (>£45,138.89)'
   4 'Second highest Quintile (>£29,166.67 <=£45,138.89)'
   3 'Middle Quintile (>£19,090.91 <=£29,166.67)'
   2 'Second lowest Quintile (>£11,142.86 <=£19,090.91)'
   1 'Lowest Quintile (<=£11,142.86)'.

compute eqv3=-1.
IF eqvinc>=0 and eqvinc<=15600 eqv3=1.
IF eqvinc>15600 and eqvinc<=33050.75 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.
end if.
add value labels mcclem eqvinc eqv5
  -90 "Age of household member refused".
```

```
SAVE OUTFILE='F:\Secure\HSE\mcclem10.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.
SORT CASES serialh(A).
SAVE OUTFILE='F:\Secure\HSE\eqv10h.sav'
 /KEEP serialh eqvinc mcclem eqv3 eqv3 temp eqv5 eqv5 temp.

**run quintiles on eqvinc (data hse2010) here then plug numbers and rerun two sytnax above**.

** Merge back onto individual records.
 GET FILE="F:\Secure\HSE\clean_hse10.sav".
SORT CASES serialh(A).
MATCH FILES
 /FILE=*
 /TABLE='F:\Secure\HSE\eqv10h.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

NATPR1: (D) Relationship of child to parent/legal guardian
NATPR2: (D) Relationship of child to other parent/legal 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 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.
variable labels natpr1 natpr2 "(D) Relationship to parent or guardian".
value labels natpr1 natpr2
 1 "Own natural child"
 2 "Adopted child"
 3 "Foster child"
 4 "Step child"
 5 "Grandchild"
 6 "Brother/sister"
 7 "Other relative".
```

Sample Info

URBAN: (D) Degree of urbanisation

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

```
SPSS Syntax

RECODE  typarea (1 thru 2=1)  (3=2)  (4 thru 5=3) (-8,-9=copy)  INTO urban .
VARIABLE LABEL urban "(D) Degree of urbanisation".
VALUE LABELS urban 1 'Urban'
                   2 'Town and fringe'
                   3 'Village, hamlet and isolated dwellings'.
```

IMD2007: (D) Index of multiple deprivation (quintiles)

    1   Least deprived (0.37 >= 8.32)
    2   (>8.32>= 13.74)
    3   (>13.74>= 21.22)
    4   (>21.22>= 34.42)
    5   Most deprived (>34.42 – 85.46)

The Overall Index of Multiple Deprivation 2007 (IMD2007) 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 IMD2007 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 2010 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   Length/height/weight not usable
    3   Length/height/weight refused
    4   Length/height/weight attempted but not obtained
    5   Length/height/weight not attempted
   -90 Pregnant

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

```
SPSS Syntax

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).
IF length>0 & weight>0 bmi=(weight*100*100)/(length*length).
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

```
SPSS Syntax

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".
```

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) UK bmival national classification standards (85th/95th centile) - children'
  1.   Normal weight
  2.   Overweight
  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

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SPSS Syntax

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

***************************OBESITY/OVERWEIGHT USING 85th/95th centiles*********.
compute bmicat1=9.
IF sex=1 AND (intexage>=2 AND intexage<2.50) AND bmival<18.12 bmicat1=1.
IF sex=2 AND (intexage>=2 AND intexage<2.50) AND bmival<17.83 bmicat1=1.
IF sex=1 AND (intexage>=2.50 AND intexage<3) AND bmival<17.80 bmicat1=1.
IF sex=2 AND(intexage>=2.50 AND intexage<3) AND bmival<17.55 bmicat1=1.

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

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

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

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

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

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

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

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

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

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

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

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND bmival<21.39 bmicat1=1.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND bmival<22.45 bmicat1=1.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND bmival<21.76 bmicat1=1.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND bmival<22.77 bmicat1=1.
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IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmival<22.12 bmicat1=1.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmival<23.08 bmicat1=1.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND bmival<22.48 bmicat1=1.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND bmival<23.35 bmicat1=1.


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

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

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

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

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

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

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

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

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

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

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

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

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

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


*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.
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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 bmicat1=-1.
if age<2 or age>=16 bmicat1=-1.
VAR LAB bmicat1 '(D) BMI standards (85th/95th centile) updated 08'.
value labels 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 (ovrght 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

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SPSS Syntax

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

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

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

MENWHGP: (D) Male waist-hip ratio (grouped)
    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'.
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 (grouped)
    1   Less than 0.70
    2   0.70, less than 0.75
    3   0.75, less than 0.80
    4   0.90, less than 0.85
    5   0.85, less than 0.90
    1   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) Male 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) Male 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 usuable
- 3   Waist/Hip partial response
- 4   Waist/Hip refused
- 5   Waist/Hip not attempted
- -90 Pregnant

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

```
SPSS Syntax

RECODE 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) wsokb=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 hipok=-90 whokb=-90.
IF age<=11 whokb=-1.
VARIABLE LABELS whokb "(D) Whether waist/hip measure is valid".
VALUE LABELS whokb
  1 "Valid"
  2 "Waist/Hip not usable"
  3 "Waist/Hip partial response"
  4 "Waist/Hip refused"
  5 "Waist/Hip not attempted"
 -90 "Pregnant".
```

Blood Pressure

Admin

BPRESPC: (D) Whether BP readings are valid
 1 Valid BP 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, not obtained, not attempted

```
SPSS Syntax

RECODE respbps (1=1)(2,3=4)(4,5,6=6)(-9 thru -1=COPY) into bprespc.
IF ANY(full1,2,-8,-9) | ANY(full2,2,-8,-9) | ANY(full3,2,-8,-9) bprespc=4.
IF (respbps = 1 & ANY(1,consbx11,consbx12,consbx13,consbx14)) bprespc= 2.
IF (respbps = 1 & ANY(-9, consbx11,consbx12,consbx13,consbx14)) bprespc= 3.
IF (respbps = 1 & ANY (1,consbx21,consbx22)) bprespc= 2.
IF (respbps = 1 & ANY(-9,consbx21,consbx22)) 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. Blood pressure variables have been derived initially using the Omron measurements then a calibration factor was used to convert readings to a Dinamap equivalent. The variables therefore have an OM or DI suffix to denote the different measurements

HYPER1OM: (D) Hypertensive categories: all prescribed drugs for BP (Omron readings)
HYPER2OM: (D) Hypertensive categories: all taking BP drugs (Omron readings)
HY140OM: (D) Hypertensive categories: 140/90: all prescribed drugs for BP (Omron readings)
HYPER1DI: (D) Hypertensive categories: all prescribed drugs for BP (Dinamap readings)
HYPER2DI: (D) Hypertensive categories: all taking BP drugs (Dinamap readings)
HY140DI: (D) Hypertensive categories: 140/90: all prescribed drugs for BP (Dinamap readings)
 1 Normotensive untreated
 2 Normotensive treated
 2 Hypertensive treated
 3 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 hyper1om.
DO IF bprespc=1.
IF ANY(bpmedd,0,-1) & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
  hyper1om=1.
IF bpmedd=1 & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
  hyper1om=2.
IF bpmedd=1 & (omsyst>=160 | omdiast>=95) hyper1om=3.
IF ANY(bpmedd,0,-1) & (omsyst>=160 | omdiast>=95) hyper1om=4.
END IF.
IF (bpmedd = -9) hyper1om = -9 .
RECODE hyper1om (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp1om.
VARIABLE LABELS hyper1om
 "(D) Hypertensive categories: all prescribed drugs for BP (Omron readings)" .
VALUE LABELS hyper1om
    1 'Normotensive untreated'
```

```
     2 'Normotensive treated'
     3 'Hypertensive treated'
     4 'Hypertensive untreated'
    -7 'Refused, attempted but not obtained, not attempted'.
VARIABLE LABELS hibp1om "(D) Whether hypertensive: all prescribed drugs for BP (Omron readings)".
VALUE LABELS hibp1om
   0 'Not high BP'
   1 'High BP'
  -7 'Refused, attempted but not obtained, not attempted'.

RECODE bprespc (2 thru 5,-1=-1)(-6,-2=COPY)(6=-7) INTO hyper2om.
DO IF bprespc=1.
IF
ANY(bpmedc,0,-1) & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
  hyper2om=1.
IF bpmedc=1 & RANGE(omsyst,0,159.999) & RANGE(omdiast,0,94.999)
  hyper2om=2.
IF bpmedc=1 & (omsyst>=160 | omdiast>=95) hyper2om=3.
IF ANY(bpmedc,0,-1) & (omsyst>=160 | omdiast>=95) hyper2om=4.
END IF.
IF (bpmedc = -9) hyper2om = -9 .
VARIABLE LABELS hyper2om
 "(D) Hypertensive categories: all taking BP drugs (Omron readings)" .
VALUE LABELS hyper2om
    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 hy140om.
DO IF bprespc=1.
IF ANY(bpmedd,0,-1) & RANGE(omsyst,0,139.999) &  RANGE(omdiast,0,89.999)
  hy140om=1.
IF bpmedd=1 & RANGE(omsyst,0,139.999) &  RANGE(omdiast,0,89.999)
  hy140om=2.
IF bpmedd=1 & (omsyst>=140 | omdiast>=90)  hy140om=3.
IF ANY(bpmedd,0,-1) & (omsyst>=140 |  omdiast>=90) hy140om=4.
END IF.
IF (bpmedd = -9) hy140om = -9 .
VARIABLE LABELS hy140om
 "(D) Hypertensive categories:140/90: all  prescribed drugs for BP (Omron readings)" .
VALUE LABELS hy140om
    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 hyper1di.
DO IF bprespc=1.
IF ANY(bpmedd,0,-1) & RANGE(dinasyst,0,159.999) & RANGE(dinadias,0,94.999)
  hyper1di=1.
IF bpmedd=1 & RANGE(dinasyst,0,159.999) & RANGE(dinadias,0,94.999)
  hyper1di=2.
IF bpmedd=1 & (dinasyst>=160 | dinadias>=95) hyper1di=3.
IF ANY(bpmedd,0,-1) & (dinasyst>=160 | dinadias>=95) hyper1di=4.
END IF.
IF (bpmedd = -9) hyper1di = -9 .
VARIABLE LABELS hyper1di
 "(D) Hypertensive categories: all prescribed drugs for BP (Dianmap readings)" .
VALUE LABELS hyper1di
    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 hyper2di.
DO IF bprespc=1.
IF ANY(bpmedc,0,-1) & RANGE(dinasyst,0,159.999) & RANGE(dinadias,0,94.999)
  hyper2di=1.
IF bpmedc=1 & RANGE(dinasyst,0,159.999) & RANGE(dinadias,0,94.999)
  hyper2di=2.
IF bpmedc=1 & (dinasyst>=160 | dinadias>=95) hyper2di=3.
IF ANY(bpmedc,0,-1) & (dinasyst>=160 | dinadias>=95) hyper2di=4.
END IF.
IF (bpmedc = -9) hyper2di = -9 .
VARIABLE LABELS hyper2di
 "(D) Hypertensive categories: all taking BP drugs (Dinamap readings)" .
VALUE LABELS hyper2di
    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 hy140di.
DO IF bprespc=1.
IF ANY(bpmedd,0,-1) & RANGE(dinasyst,0,139.999) &  RANGE(dinadias,0,89.999)
  hy140di=1.
IF bpmedd=1 & RANGE(dinasyst,0,139.999) &  RANGE(dinadias,0,89.999)
  hy140di=2.
IF bpmedd=1 & (dinasyst>=140 | dinadias>=90)  hy140di=3.
IF ANY(bpmedd,0,-1) & (dinasyst>=140 | dinadias>=90) hy140di=4.
END IF.
IF (bpmedd = -9) hy140di = -9 .
VARIABLE LABELS hy140di
 "(D) Hypertensive categories:140/90: all  prescribed drugs for BP (Dinamap readings)" .
VALUE LABELS hy140di
    1 'Normotensive untreated'
    2 'Normotensive treated'
    3 'Hypertensive treated'
    4 'Hypertensive untreated'
     -7 'Refused, attempted but not obtained, not attempted'.
```

HIBP1OM: (D) Whether hypertensive: all prescribed drugs for BP (Omron readings)
HIBP2OM: (D) Whether hypertensive: all taking BP drugs (Omron readings)
HBP140OM: (D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings)
HIBP1DI: (D) Whether hypertensive: all prescribed drugs for BP (Dinamap readings)
HIBP2DI: (D) Whether hypertensive: all taking BP drugs (Dinamap readings)
HBP140DI: (D) Whether hypertensive:140/90: all prescribed drugs for BP (Dinamap readings)
    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 hyper1om (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp1om.
VARIABLE LABELS hibp1om "(D) Whether hypertensive: all prescribed drugs for BP (Omron readings)".
VALUE LABELS hibp1om
  0 'Not high BP'
  1 'High BP'.
 -7 'Refused, attempted but not obtained, not attempted'.


RECODE hyper2om (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp2om.
VARIABLE LABELS hibp2om "(D) Whether hypertensive: all taking BP drugs (Omron readings)".
VALUE LABELS hibp2om
  0 'Not high BP'
  1 'High BP'
 -7 'Refused, attempted but not obtained, not attempted'.


RECODE hy140om (lo thru -1=COPY)(1=0)(2,3,4=1)  INTO hbp140om.
VARIABLE LABELS hbp140om "(D) Whether  hypertensive:140/90: all prescribed drugs for BP (Omron readings)".
VALUE LABELS hbp140om
  0 'Not high BP'
  1 'High BP'
 -7 'Refused, attempted but not obtained, not attempted'.


RECODE hyper1di (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp1di.
VARIABLE LABELS hibp1di "(D) Whether hypertensive: all prescribed drugs for BP (Dinamap readings)".
VALUE LABELS hibp1di
  0 'Not high BP'
  1 'High BP'
 -7 'Refused, attempted but not obtained, not attempted'.


RECODE hyper2di (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp2di
VARIABLE LABELS hibp2di "(D) Whether hypertensive: all taking BP drugs (Dinamap readings)".
VALUE LABELS hibp2di
  0 'Not high BP'
  1 'High BP'
 -7 'Refused, attempted but not obtained, not attempted'.


RECODE hy140di (lo thru -1=COPY)(1=0)(2,3,4=1)  INTO hbp140di.
VARIABLE LABELS hbp140di "(D) Whether  hypertensive:140/90: all prescribed drugs for BP (Dinamap
readings)".
VALUE LABELS hbp140di
  0 'Not high BP'
  1 'High BP'
 -7 'Refused, attempted but not obtained, not attempted'.
```

OMDIAVAL: (D) Omron Valid Mean Diastolic BP

OMSYSVAL: (D) Omron Valid Mean Systolic BP

OMMAPVAL: (D) Omron Valid Mean Arterial Pressure

OMPULVAL: (D) Omron Valid Pulse Pressure

DIDIAVAL: (D) Dinamap Valid Mean Diastolic BP

DISYSVAL: (D) Dinamap Valid Mean Systolic BP

DIMAPVAL: (D) Dinamap Valid Mean Arterial Pressure

DIPULVAL: (D) Dinamap Valid Pulse Pressure

```
SPSS Syntax

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

DO REPEAT dinaval=didiaval disysval dimapval dipulval.
RECODE bprespc (lo thru 0=COPY)(2,5=-1)(3,4=-8)(6=-7) INTO dinaval.
END REPEAT.
DO IF bprespc=1.
COMPUTE didiaval=dinadias.
COMPUTE disysval=dinasyst.
COMPUTE dimapval=dinamap.
COMPUTE dipulval=dinapuls.
END IF.
VARIABLE LABELS didiaval "(D) Dinamap Valid Mean Diastolic BP" .
VARIABLE LABELS disysval "(D) Dinamap Valid Mean Systolic BP" .
VARIABLE LABELS dimapval "(D) Dinamap Valid Mean Arterial Pressure" .
VARIABLE LABELS dipulval "(D) Dinamap 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

DINADIAS: (D) Dinamap Diastolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)

DINASYST: (D) Dinamap Systolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)

DINAMAP: (D) Dinamap Mean arterial pressure (mean 2nd/3rd) inc. invalid (converted from Omron)

DINAPULS: (D) Dinamap Pulse pressure, systolic-diastolic inc. invalid (converted from Omron)

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

```
SPSS Syntax

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

DO REPEAT dimeas = dinadias dinasyst dinamap dinapuls.
RECODE respbps (lo thru 0=COPY)(4 thru 6=-7)(2 thru 3=-9) INTO dimeas.
END REPEAT.
```

```
DO IF respbps = 1 & age>=16.
compute dinasyst=(omsyst*0.88)+18.56.
compute dinadias=(omdiast*0.89)+6.5.
compute dinamap=ommap.
compute dinapuls=dinasyst-dinadias.
end if.
DO IF respbps = 1 & age<16 & sex=1.
compute dinasyst=(omsyst*1.025).
compute dinadias=(omdiast*0.934).
compute dinamap=ommap.
compute dinapuls=dinasyst-dinadias.
end if.
DO IF respbps = 1 & age<16 & sex=2.
compute dinasyst=(omsyst*1.040).
compute dinadias=(omdiast*0.915).
compute dinamap=ommap.
compute dinapuls=dinasyst-dinadias.
end if.
VARIABLE LABELS dinadias "(D) Dinamap Diastolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)" .
VARIABLE LABELS dinasyst "(D) Dinamap Systolic BP (mean 2nd/3rd) inc. invalid (converted from Omron)" .
VARIABLE LABELS dinamap "(D) Dinamap Mean arterial pressure (mean 2nd/3rd) inc. invalid (converted from Omron)" .
VARIABLE LABELS dinapuls "(D) Dinamap Pulse pressure, systolic-diastolic inc. invalid (converted from Omron)" .
VALUE LABELS dinapuls -7 'Refused, attempted but not obtained, not attempted (converted from Omron)'.
```

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

  1   Yes
  2   No

```
SPSS Syntax

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

Dental Health

DENTATE: (D) Number of natural teeth
1 Fewer than 10
2 10 to 19
3 20 or more

```
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 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'.
```

Drinking

Adults General

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

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

```
SPSS Syntax

compute dnoft3=dnoft.
recode dnany(2=8)(-9,-8=COPY) into dnoft3.
recode dnnow(-9,-8=COPY) into dnoft3.
variable labels dnoft3 "(D) Frequency drink alcohol in past 12 months: including non-drinkers".
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[1]

D7UNITWG: (D) NEW Units drunk on heaviest day in last 7
D7UNITWGRP: (D) NEW Units drunk on heaviest day in last 7 (grouped)

1   <2 units
2   2<3 units
3   3<4 units
4   4<5 units
5   5<6 units
6   6<8 units
7   8+ units

```
SPSS Syntax

COMPUTE d7unitwg=0.
IF (nberqhp7>0)  d7unitwg=d7unitwg+nberqhp7.
IF (nberqsm7>0)  d7unitwg=d7unitwg+nberqsm7*1.5.
IF (nberqlg7>0)  d7unitwg=d7unitwg+nberqlg7*2.
IF (nberqbt7>0)  d7unitwg=d7unitwg+nberqbt7*norbot.
IF (nberqpt7>0)  d7unitwg=d7unitwg+nberqpt7*2.
IF (sberqhp7>0)  d7unitwg=d7unitwg+sberqhp7*2.
IF (sberqpt7>0)  d7unitwg=d7unitwg+sberqpt7*4.
IF (sberqsm7>0)  d7unitwg=d7unitwg+sberqsm7*2.
IF (sberqbt7>0)  d7unitwg=d7unitwg+sberqbt7*strbot.
IF (sberqlg7>0)  d7unitwg=d7unitwg+sberqlg7*3.
IF (spirqme7>0)  d7unitwg=d7unitwg+spirqme7.
IF (sherqgs7>0)  d7unitwg=d7unitwg+sherqgs7.
IF (wgls250ml>0) d7unitwg=d7unitwg+wgls250ml*3.0.
IF (wgls175ml>0) d7unitwg=d7unitwg+wgls175ml*2.0.
IF (wgls125ml>0) d7unitwg=d7unitwg+wgls125ml*1.5.
IF (wl7bt>0)     d7unitwg=d7unitwg+wl7bt*1.5.
IF (popsqsm7>0)  d7unitwg=d7unitwg+popsqsm7*1.5.
IF ANY(-9,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
  sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
  wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) d7unitwg=-9.
IF ANY(-8,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
  sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
```

---

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

```
  wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) d7unitwg=-8.
IF ANY(-6,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7,
  sberqhp7, sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
  wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) 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 (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

```
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".
```

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)'.

```
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'.
execute.

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

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

```
2 '>4 and <= 8 (men), >3 and less than or equal to 6 (women)'
3 'greater than 8 units (men), greater than 6 units (women)'.
missing values alclimit07 (-9 thru -1)
```

WDRINK07B : (D) Women number of units

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

```
SPSS syntax

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

MDRINK07B: (D) Men number of units

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

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

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[2]: (D) Total units of alcohol in last 7 days
ADRKWQ08G[2]: (D) Total units of alcohol in last 7 days (grouped)

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*1.5).
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 = 4.49.
IF (xxber2q = -9 & sex = 2) xxber2q2 = 3.28.
IF (ANY(aspirqgs,-9,0) & sex = 1) xxspirq = 2.57.
IF (ANY(aspirqgs,-9,0) & sex = 2) xxspirq = 3.71.
IF (ANY(asherqgs,-9,0) & sex = 1) xxsherq = 1.00.
IF (ANY(asherqgs,-9,0) & sex = 2) xxsherq = 0.
IF (xxwineqgs =-9 & sex = 1) xxwineq = 1.57.
IF (xxwineqgs =-9 & sex = 2) xxwineq = 2.78.
IF (xxpopsq = -9 & sex = 1) xxpopsq2 = 3.00.
IF (xxpopsq = -9 & sex = 2) xxpopsq2 = 3.36.

**derive adrinkwq for 13-15 year olds only.
COMPUTE adrkwq08 = 0 .
RECODE adrlast(-2=-2)(-9=-1)(-6=-6) INTO adrkwq08 .
IF (aber2w=-9 & aspirw=-9 & asherw=-9 & awinew=-9 & apopsw=-9) adrkwq08 =-9.
IF (aber2w=-2 & aspirw=-2 & asherw=-2 & awinew=-2 & apopsw=-2) adrkwq08 =-2.
if (adrlast=-1 and adrprop=-9 and (age>=13 and age<=15)) adrkwq08 =-9.
IF (aber2w = 1 & xxber2q2 > 0) adrkwq08 = adrkwq08 + xxber2q2 .
IF (aspirw = 1 & xxspirq > 0) adrkwq08 = adrkwq08 + xxspirq .
IF (asherw = 1 & xxsherq > 0) adrkwq08 = adrkwq08 + xxsherq .
IF (awinew = 1 & xxwineq> 0) adrkwq08 = adrkwq08 + xxwineq.
IF (apopsw = 1 & xxpopsq2 > 0) adrkwq08 = adrkwq08 + xxpopsq2 .
VARIABLE LABEL adrkwq08 "(D) Total units of alcohol in last 7 days (13-15yrs)".

Compute adrkwq08g=adrkwq08.
IF adrkwq08>0 and adrkwq08<1 adrkwq08g=1.
IF adrkwq08>=1 and adrkwq08<2 adrkwq08g=2.
```

---

[2] 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 adrkwq08>=2 and adrkwq08<4 adrkwq08g=3.
IF adrkwq08>=4 and adrkwq08<6 adrkwq08g=4.
IF adrkwq08>=6 and adrkwq08<10 adrkwq08g=5.
IF adrkwq08>=10 and adrkwq08<15 adrkwq08g=6.
IF adrkwq08>=15 adrkwq08g=7.
IF adrkwq08<0 adrkwq08g=adrkwq08.
var lab adrkwq08g "(D) total units of alcohol in last 7 days (13-15yrs)".
val lab adrkwq08g
-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".
```

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=frtq01 frtq02 frtq03 frtq04 frtq05 frtq06 frtq07 frtq08 frtq09 frtq10 frtq11 frtq12 frtq13 frtq14
frtq15.
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=frtq01 frtq02 frtq03 frtq04 frtq05 frtq06 frtq07 frtq08 frtq09 frtq10 frtq11 frtq12 frtq13 frtq14
frtq15.
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=frtq01 frtq02 frtq03 frtq04 frtq05 frtq06 frtq07 frtq08 frtq09 frtq10 frtq11 frtq12 frtq13 frtq14
frtq15.
if (xxx=1 & yyy>0) | (xxx=3 & yyy>0) poroth=poroth+yyy.
end repeat.

compute porfrt=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+porfrt+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(frt,-9,-8) porfrt=-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.
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".

do if age<5.
do repeat xxx=porpul to porftvg.
compute xxx=-1.
end repeat.
end if.
```

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'.
```

GHQ12

GHQ12SCR: (D) GHQ Score - 12 point scale

GHQG2: (D) GHQ Score - grouped (0,1-3,4+)

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

There is no scaling of missing answers on the GHQ score, if an informant has not given an answer to a question, then it does not contribute to the overall GHQ score.

```
SPSS Syntax

COMPUTE ghq12scr = 0 .
RECODE ghqconc (-6,-2=COPY) into ghq12scr.
DO REPEAT ghqtemp=ghqconc to ghqhappy.
IF ANY(ghqtemp,3,4) ghq12scr=ghq12scr+1.
END REPEAT.
IF (ANY(-9,ghqconc to ghqhappy)) ghq12scr=-9 .
RECODE ghq12scr
  (-9 thru -1=Copy) (0=1) (1 thru 3=2) (4 thru Highest=3) INTO  GHQg2.
VARIABLE LABEL ghq12scr "(D) GHQ Score - 12 point scale".
VARIABLE LABEL ghqg2 "(D) GHQ Score - grouped (0,1-3,4+)".
VALUE LABELS ghqg2
   1 'Score 0'
   2 'Score 1-3'
   3 'Score 4+'.
```

PCAREP: (D) Been offered a personal care plan

 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'.

Longstanding Illness

COMPM13: (D) I Infectious Disease
COMPM1: (D) II Neoplasms & benign growths
COMPM2: (D) III Endocrine & metabolic
COMPM14: (D) IV Blood & related organs
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
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 LABLES 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)
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 xxdrug=diur beta aceinh calciumb obpdrug lipid iron bpmedc bpmedd.
COMPUTE xxdrug=0.
RECODE medbi01(-9 thru -1=COPY) INTO xxdrug.
END REPEAT.
DO REPEAT xxcode=medbi01 to medbi22.
IF xxcode=0 diur=-9.
IF xxcode=0 beta =-9.
IF xxcode=0 aceinh =-9.
IF xxcode=0 calciumb =-9.
IF xxcode=0 iron =-9.
IF xxcode=0 lipid =-9.
IF xxcode=0 obpdrug =-9.
IF xxcode=0 bpmedc=-9.
IF xxcode=0 bpmedd=-9.
END REPEAT.
DO REPEAT xxcode=medbi01 to medbi22.
IF RANGE(xxcode,20201,20208) diur=1.
IF xxcode=20400 beta=1.
IF RANGE(xxcode, 020551, 020553) aceinh=1.
IF xxcode=20602 calciumb=1.
IF ANY(xxcode,20501,20502,20503,20504,20506) obpdrug=1.
IF ANY(xxcode,21200, 21201, 21202) lipid=1.
IF xxcode=90101 iron=1.
END REPEAT.
IF ANY(1,diur,beta,aceinh,calciumb,obpdrug) bpmedc=1.
COUNT xbpdrug=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,diur,beta,aceinh,calciumb,obpdrug) & xbpdrug>0 bpmedd=1.
VARIABLE LABELS diur "(D) Diuretics (Blood pressure)".
VARIABLE LABELS beta "(D) Beta blockers (Blood pressure/Fibrinogen)".
VARIABLE LABELS aceinh "(D) Ace inhibitors (Blood pressure)".
VARIABLE LABELS calciumb "(D) Calcium blockers (Blood pressure)".
VARIABLE LABELS obpdrug "(D) Other drugs affecting BP" .
VARIABLE LABELS lipid "(D) Lipid lowering (Cholesterol/Fibrinogen)" .
VARIABLE LABELS iron "(D) Iron deficiency (Haemoglobin/Ferritin)" .
VARIABLE LABELS bpmedc "(D) Whether taking drugs affecting blood pressure".
VARIABLE LABELS bpmedd "(D) Whether taking drugs prescribed for blood pressure".
VALUE LABELS diur beta aceinh calciumb obpdrug lipid iron bpmedc bpmedd
    0 'Not taking drug'
    1 'Taking drug'.
```

Prescribed Medicines: General

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

     1   Yes
     2   No

```
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'.
```

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 TO 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 TO 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'.
```

Visual Analogue Scale/WEMWBS Score

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'.
```

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'.
```

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=COPY)(2=0) INTO cigdyal.
RECODE smkevr(-9,-8=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 Cigarette Smoking 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.)

COT12VAL: (D) Valid Cotinine (saliva est.): 0<12,12+

    1   0<12 ng/ml
    2   12+ ng/ml
  -90 Use nicotine products

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=cotsal.
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)(12 thru 977.7=2)(0 thru 12=1) (997=-1) INTO cot12val.
VARIABLE LABEL cot12val "(D) Valid Cotinine (saliva): 0<12,12+".
VALUE LABELS cot12val
    1 "0<12 ng/ml"
    2 ">=12 ng/ml"
  -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,usenas) nicuseb=1.
```

```
IF ANY(-9,usegum,usepat,usenas) 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".
```

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".
```

BLDDELAY: (D) Number of days from taking sample to lab receiving blood

```
SPSS Syntax

string bldcday (a2).
compute bldcday=substr(Collecte,1,2).
string bldcmon (a2).
compute bldcmon=substr(Collecte,3,2).
string bldcyear (a4).
compute bldcyear=substr(Collecte,5,4).
compute bldcdayn=NUMBER(bldcday,F2.0).
compute bldcmonn=NUMBER(bldcmon,F2.0).
compute bldcyearn=NUMBER(bldcyear,F4.0).
exe.

string bldrday (a2).
compute bldrday=substr(Received,1,2).
string bldrmon (a2).
compute bldrmon=substr(Received,3,2).
string bldryear (a4).
compute bldryear=substr(Received,5,4).
exe.

compute bldrdayn=NUMBER(bldrday,F2.0).
compute bldrmonn=NUMBER(bldrmon,F2.0).
compute bldryearn=NUMBER(bldryear,F4.0).
exe.

do if bldcdayn>=1.
compute bldcdate=DATE.dmy(bldcdayn,bldcmonn,bldcyearn).
end if.
do if bldrdayn>=1.
compute bldrdate=DATE.dmy(bldrdayn,bldrmonn,bldryearn).
end if.
exe.

compute blddelay=DATEDIFF(bldrdate, bldcdate, "days").
do if bsoute~=1.
compute blddelay=-1.
end if.
recode blddelay (0=1) (sysmis=-8).
exe.

variable labels blddelay '(D) Number of days from taking sample to lab receiving blood'.
```

CHOLFLAG: (D) Flag variable showing whether blood sample received at lab before 12th April 2010

    1   Sample received before 12th April 2010
    2   Sample received on or after 12th April 2010

```
SPSS Syntax

compute CHOLFLAG=-1.
if bldrdate>=13483238400 and bldrdate<=13490150400 cholflag=1.
if bldrdate>=13490409600 cholflag=2.
variable labels cholflag '(D) Flag variable showing whether blood sample received at lab before 12th April
2010'.
value labels cholflag -1 'Not applicable' 1 'Sample received before 12th April 2010' 2 'Sample received on
or after 12th April 2010'.
```

Measurements

CHOLVAL: (D) Valid 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
CREVAL: (D) Vald Creatinine Result
VITDVAL: (D) Valid Vitamin D Result

```
SPSS Syntax

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

compute creval=-1.
if creokb=1 creval=creat.
variable labels creval "(D) Valid Creatinine Result".

compute vitdval=-1.
if vitdok=1 vitdval=vitamind.
variable labels vitdval "(D) Valid Vitamin D Result".
```

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".#
```

CREOKB: (D) Response to Creatinine sample

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

```
SPSS syntax

recode samptak (-2=-2)(-1=4)(1,2=3) into creokb.
if bswill=2 creokb=5.
if creat>0 & crequal<0 creokb=1.
variable labels creokb "(D) Response to Creatinine sample".
value labels creokb
 1 "Valid sample"
 2 "Takes drugs affecting sample"
 3 "Sample not obtained, not usable"
 4 "Ineligible"
 5 "Refused".
```

VITDOK: (D) Response to Vitamin D 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 vitdok.
if bswill=2 vitdok=5.
if vitamind>0 & vitdqual<0 vitdok=1.
variable labels vitdok "(D) Response to Vitamin D sample".
value labels vitdok
 1 "Valid sample"
 2 "Takes drugs affecting sample"
 3 "Sample not obtained, not usable"
 4 "Ineligible"
 5 "Refused".
```

Kidney Disease

Measurements

eGFRGP4 : (D) eGFR in 4 categories

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

```
SPSS syntax

compute eGFRgp4=9.
IF hsegfr>=90 eGFRgp4=1.
IF hsegfr<90 and hsegfr>=60 eGFRgp4=2.
IF hsegfr<60 and hsegfr>=30 eGFRgp4=3.
IF hsegfr<30 and hsegfr>=0 eGFRgp4=4.
IF hsegfr<0 eGFRgp4=hsegfr.
VARIABLE LABELS eGFRgp4 "(D) eGFR in 4 categories" .
VALUE LABELS eGFRgp4

  1 'hsegfr>=90'
  2 'hsegfr<90 & hsegfr>=60'
  3 'hsegfr<60 & hsegfr>=30'
  4 'hsegfr<30 and hsegfr>=0'.
exe.
```

eGFRGP6 : (D) eGFR in 6 categories

    1 hsegfr>=105
    2 hsegfr<105 & hsegfr>=90
    3 hsegfr<90 & hsegfr>=75
    4 hsegfr<75 & hsegfr>=60
    5 hsegfr<60 & hsegfr>=45
    6 hsegfr<45 and hsegfr>=0

```
SPSS syntax
compute eGFRgp6=9.
IF hsegfr>=105 eGFRgp6=1.
IF hsegfr<105 and hsegfr>=90 eGFRgp6=2.
IF hsegfr<90 and hsegfr>=75 eGFRgp6=3.
IF hsegfr<75 and hsegfr>=60 eGFRgp6=4.
IF hsegfr<60 and hsegfr>=45 eGFRgp6=5.
IF hsegfr<45 and hsegfr>=0 eGFRgp6=6.
IF hsegfr<0 eGFRgp6=hsegfr.
VARIABLE LABELS eGFRgp6 "(D) eGFR in 6 categories" .
VALUE LABELS eGFRgp6

  1 'hsegfr>=105'
  2 'hsegfr<105 & hsegfr>=90'
  3 'hsegfr<90 & hsegfr>=75'
  4 'hsegfr<75 & hsegfr>=60'
  5 'hsegfr<60 & hsegfr>=45'
  6 'hsegfr<45 and hsegfr>=0'.
exe.
```

eGFRGP7 : (D) eGFR in 7 categories

    1 hsegfr>=105
    2 hsegfr<105 & hsegfr>=90
    3 hsegfr<90 & hsegfr>=75
    4 hsegfr<75 & hsegfr>=60
    5 hsegfr<60 & hsegfr>=45
    6 hsegfr<45 & hsegfr>=30
    7 hsegfr<30 & hsegfr>=0

```
SPSS syntax

compute eGFRgp7=9.
IF hsegfr>=105 eGFRgp7=1.
IF hsegfr<105 and hsegfr>=90 eGFRgp7=2.
IF hsegfr<90 and hsegfr>=75 eGFRgp7=3.
IF hsegfr<75 and hsegfr>=60 eGFRgp7=4.
IF hsegfr<60 and hsegfr>=45 eGFRgp7=5.
```

```
IF hsegfr<45 and hsegfr>=30 eGFRgp7=6.
IF hsegfr<30 and hsegfr>=0 eGFRgp7=7.
IF hsegfr<0 eGFRgp7=hsegfr.
VARIABLE LABELS eGFRgp7 "(D) eGFR in 7 categories" .
VALUE LABELS eGFRgp7
  1 'hsegfr>=105'
  2 'hsegfr<105 & hsegfr>=90'
  3 'hsegfr<90 & hsegfr>=75'
  4 'hsegfr<75 & hsegfr>=60'
  5 'hsegfr<60 & hsegfr>=45'
  6 'hsegfr<45 & hsegfr>=30'
  7 'hsegfr<30 & hsegfr>=0'.
exe.
```

ALBCREGP : (D) Urinary albumin excretion grouped

    1 Normal
    2 Micro-albuminuria
    3 Macro-albuminuria

```
SPSS syntax

compute albcregp=9.
IF sex=1 and albcreat>=0 and albcreat<=2.5 albcregp=1.
IF sex=2 and albcreat>=0 and albcreat<=3.5 albcregp=1.
IF sex=1 and albcreat>2.5 and albcreat<=30 albcregp=2.
IF sex=2 and albcreat>3.5 and albcreat<=30 albcregp=2.
IF albcreat>30 albcregp=3.
IF albcreat<0 albcregp=albcreat.
VARIABLE LABELS albcregp "(D) Urinary albumin excretion grouped" .
VALUE LABELS albcregp
  1 'Normal'
  2 'Micro-albuminuria'
  3 'Macro-albuminuria'.
exe.
```

ALBUMIN2 : (D) Albumin result

    401 '>400'.

```
SPSS Syntax

compute albumin2=albumin.
if albumin>400 albumin2=401.
VARIABLE LABELS albumin2 "(D) Albumin result" .
VALUE LABELS albumin2

  401 '>400'.
exe.
```

KIDNEY FAILURE

KIDDIAG : (D) Doctor diagnosed kidney disease

    1 Yes
    2 No

```
SPSS syntax

RECODE docinfo2 (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO kiddiag.
IF (ANY(-9,docinfo2)) kiddiag=-9.
IF (ANY(-8,docinfo2)) kiddiag=-8.
if age<=15 kiddiag=-1.
VARIABLE LABEL kiddiag "(D) Doctor diagnosed kidney disease".
VALUE LABELS kiddiag

  1 "Yes"
  2 "No".
```

KIDFAIL : (D) Chronic disease stage

    1 Normal: eGFR 90+ ml/min/1.73m2 and normal albuminuria
    2 Low normal: eGFR >60&<90 ml/min/1.73m2 and normal albuminuria
    3 Stage 1: eGFR 90+ ml/min/1.73m2 and micro- or macro-albuminuria

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

```
SPSS syntax

compute kidfail=9.
IF eGFRgp4=1 and albcregp=1 kidfail=1.
IF eGFRgp4=2 and albcregp=1 kidfail=2.
IF eGFRgp4=1 and any(albcregp,2,3) kidfail=3.
IF eGFRgp4=2 and any(albcregp,2,3) kidfail=4.
IF eGFRgp4=3 and albcregp=1 kidfail=5.
IF eGFRgp4=3 and any(albcregp,2,3) kidfail=6.
IF eGFRgp4=4 kidfail=7.
IF eGFRgp4<0 kidfail=eGFRgp4.
IF albcregp<0 kidfail=albcregp.
VARIABLE LABELS kidfail "(D) Chronic disease stage" .
VALUE LABELS kidfail

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

KIDFAILGP : (D) Chronic disease stage (grouped)

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

```
SPSS syntax

compute kidfailgp=9.
IF eGFRgp4=1 and albcregp=1 kidfailgp=1.
IF eGFRgp4=2 and albcregp=1 kidfailgp=1.
IF eGFRgp4=1 and any(albcregp,2,3) kidfailgp=2.
IF eGFRgp4=2 and any(albcregp,2,3) kidfailgp=3.
IF eGFRgp4=3 kidfailgp=4.
IF eGFRgp4=4 kidfailgp=5.
IF eGFRgp4<0 kidfailgp=eGFRgp4.
IF albcregp<0 kidfailgp=albcregp.
VARIABLE LABELS kidfailgp "(D) Chronic disease stage (grouped)" .
VALUE LABELS kidfailgp

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

Diabetes

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

    1 Yes
    2 No

```
SPSS syntax

RECODE diabetes (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO diabete2.
IF (sex=2 & dioth=2) diabete2=2.
IF (ANY(-9,diabetes,dipreg)) diabete2=-9.
IF (ANY(-8,diabetes,dipreg)) diabete2=-8.
if age<=15 diabete2=-1.
VARIABLE LABEL diabete2 "(D) Doctor diagnosed diabetes (excluding pregnant)".
VALUE LABELS diabete2

   1 "Yes"
   2 "No".
```

DIABTYPE : (D) Type of diabetes

    1 Type 2
    2 Not diabetic
    3 Type 1

```
SPSS syntax

RECODE
diabete2 (ELSE=Copy) INTO diabtype .
DO IF (diage< 35 and insulin=1) .
RECODE diabtype (1=3) .
END IF .
VARIABLE LABELS diabtype '(D) Type of diabetes'.
VALUE LABELS diabtype
 1 'Type 2'
 2 'Not diabetic'
 3 'Type 1'.
```

Respiratory Health

MRC : (D) MRC breathlessness scale

     0   Some unspecified shortness of breath
     1   MRC grade 1 in last 12 months
     2   MRC grade 2
     3   MRC grade 3/4
     5   MRC grade 5

```
SPSS syntax

compute MRC =-8.
if any(lstyrsob,-9,-8,-1) and any(sobup,-9,-8,-1) and sobag=-8 and solev=-8 MRC =-1.
if lstyrsob=1 and any(sobup,-9,-8,-1,2,3,4) and any(sobag,-8,-1,2,3) and any(solev,-8,-1,2) and
any(sobhouse,-1,2) and any(sobdress,-1,2) MRC =0.
if lstyrsob=2 MRC =1.
if sobup=1 MRC=2.
if sobag=1 or solev=1 MRC=3.
if sobhouse=1 or sobdress=1 MRC=5.
recode MRC (-8=-1).
execute.
value labels MRC
0 "Some unspecified shortness of breath"
1 "MRC grade 1 in last 12 months"
2 "MRC grade 2"
3 "MRC grade 3/4"
5 "MRC grade 5".
variable labels MRC '(D) MRC breathlessness scale'.
```

INHALER: (D) Treatment taken daily for asthma: Inhaler
STEROID: (D) Treatment taken daily for asthma: Steroid tablets
ANTIBIOTICS: (D) Treatment taken daily for asthma: Antibiotics
OTHER: (D) Treatment taken daily for asthma: Other
NONE: (D) Treatment taken daily for asthma: None

    1 Mentioned
    0 Not mentioned

```
SPSS syntax

compute inhaler=0.
if any(symas,3,-1) inhaler=-1.
if symas=-8 inhaler=-8.
if any(symas,1,2) and trtmed6=-8 inhaler=-8.
if any(symas,1,2) and trtmed6=1 inhaler=1.
variable labels inhaler '(D) Treatment taken daily for asthma: Inhaler'.
value labels inhaler
1 "Mentioned"
0 "Not mentioned".

compute steroid=0.
if any(symas,3,-1) steroid=-1.
if symas=-8 steroid=-8.
if any(symas,1,2) and trtmed1=-8 steroid=-8.
if any(symas,1,2) and trtmed1=1 steroid=1.
*missing vals steroid (-8).
variable labels steroid '(D) Treatment taken daily for asthma: Steroid tablets'.
value labels steroid
1 "Mentioned"
0 "Not mentioned".

compute antibiotics=0.
if any(symas,3,-1) antibiotics=-1.
if symas=-8 antibiotics=-8.
if any(symas,1,2) and trtmed3=-8 antibiotics=-8.
if any(symas,1,2) and trtmed3=1 antibiotics=1.
variable labels antibiotics '(D) Treatment taken daily for asthma: Antibiotics'.
value labels antibiotics
1 "Mentioned"
0 "Not mentioned".

compute other=0.
if any(symas,3,-1) other=-1.
if symas=-8 other=-8.
```

```
if any(symas,1,2) and any(1,trtmed2,trtmed4,trtmed5,trtmed7,trtmed8) other=1.
variable labels other '(D) Treatment taken daily for asthma: Other'.
value labels other
1 "Mentioned"
0 "Not mentioned".

compute none=0.
if any(symas,3,-1) none=-1.
if symas=-8 none=-8.
if any(symas,1,2) and trtmed9=-8 none=-8.
if any(symas,1,2) and trtmed9=1 none=1.
*missing vals none (-8).
variable labels none '(D) Treatment taken daily for asthma: None'.
value labels none
1 "Mentioned"
0 "Not mentioned".
```

COPD_FLARE : (D) Whether COPD flare up in last 12 months

    0 No COPD

    1 Disease but no flare ups in last 12 months

    2 Disease and one or more flare ups in last 12 months

```
SPSS syntax

compute COPD_flare=-1.
if any(COPD,-9,-8,-1) COPD_flare=COPD.
if COPD=2 COPD_flare=0.
if COPD=1 and flare=2 COPD_flare=1.
if COPD=1 and flare=1 COPD_flare=2.
*missing vals COPD_flare (-1).
variable labels COPD_flare '(D) Whether COPD flare up in last 12 months'.
value lables COPD_flare
0 "No COPD"
1 "Disease but no flare ups in last 12 months"
2 "Disease and one or more flare ups in last 12 months".
```

INHALER_COPD : (D) Treatment taken daily for bronchitis, emphysema and COPD: Inhaler
STEROID_COPD : (D) Treatment taken daily for bronchitis, emphysema and COPD: Steroid tablets
ANTIBIOTICS_COPD : (D) Treatment taken daily for bronchitis, emphysema and COPD: Antibiotics
OTHER_COPD : (D) Treatment taken daily for bronchitis, emphysema and COPD: Other
NONE_COPD : (D) Treatment taken daily for bronchitis, emphysema and COPD: None

    1 Mentioned

    0 Not mentioned

```
SPSS syntax

compute inhaler_COPD=0.
if any(COPD,2,-1) inhaler_COPD=-1.
if (COPD=-8 or COPD=-9) inhaler_COPD=COPD.
if COPD=1 and trtmed6=-8 inhaler_COPD=-8.
if COPD=1 and trtmed6=1 inhaler_COPD=1.
variable labels inhaler_COPD '(D) Treatment taken daily for bronchitis, emphysema and COPD: Inhaler'.
value labels inhaler_COPD
1 "Mentioned"
0 "Not mentioned".

compute steroid_COPD=0.
if any(COPD,2,-1) steroid_COPD=-1.
if (COPD=-8 or COPD=-9) steroid_COPD=COPD.
if COPD=1 and trtmed1=-8 steroid_COPD=-8.
if COPD=1 and trtmed1=1 steroid_COPD=1.
variable labels steroid_COPD '(D) Treatment taken daily for bronchitis, emphysema and COPD: Steroid
tablets'.
value labels steroid_COPD
1 "Mentioned"
0 "Not mentioned".

compute antibiotics_COPD=0.
if any(COPD,2,-1) antibiotics_COPD=-1.
if (COPD=-8 or COPD=-9) antibiotics_COPD=COPD.
if COPD=1 and trtmed3=-8 antibiotics_COPD=-8.
if COPD=1 and trtmed3=1 antibiotics_COPD=1.
variable labels antibiotics_COPD '(D) Treatment taken daily for bronchitis, emphysema and COPD:
Antibiotics'.
value labels antibiotics_COPD
```

```
1 "Mentioned"
0 "Not mentioned".

compute other_COPD=0.
if any(COPD,2,-1) other_COPD=-1.
if (COPD=-8 or COPD=-9) other_COPD=COPD.
if COPD=1 and any(1,trtmed2,trtmed4,trtmed5,trtmed7,trtmed8) other COPD=1.
variable labels other_COPD '(D) Treatment taken daily for bronchitis, emphysema and COPD: Other'.
value labels other_COPD
1 "Mentioned"
0 "Not mentioned".

compute none_COPD=0.
if any(COPD,2,-1) none COPD=-1.
if (COPD=-8 or COPD=-9) none COPD=COPD.
if COPD=1 and trtmed9=-8 none_COPD=-8.
if COPD=1 and trtmed9=1 none_COPD=1.
variable labels none COPD '(D) Treatment taken daily for bronchitis, emphysema and COPD: None'.
value labels none_COPD
1 "Mentioned"
0 "Not mentioned".
```

```
compute other_COPD=0.
if any(COPD,2,-1) other_COPD=-1.
```

```
if any(COPD,2,-1) none COPD=-1.
```

Sexual Health

MSEVER : (D) Men – ever had sex with a woman
   1 Never had sex
   2 Ever had sex

```
SPSS syntax

recode M1stInt (10 thru 43=2) (97=1) (else=copy) into MSEver.
variable labels MSEver '(D) Men - ever had sex with a woman'.
value labs MSEver 1'Never had sex' 2 'Ever had sex'.
```

MENSEX : (D) Men - whether had sex with men, women, both, neither'
   1 Never had sex with women nor men
   2 Had sex with women only
   3 Had sex with men only
   4 Had sex with both men and women

```
SPSS syntax

compute MenSex = -1.
If (msever = 1 and mevsam = 2) MenSex=1.
If (msever = 2 and mevsam = 2) MenSex=2.
If (msever = 1 and mevsam = 1) MenSex=3.
If (msever = 2 and mevsam = 1) MenSex=4.
execute.
var lab MenSex '(D) Men - whether had sex with men, women, both neither'.
val labs MenSex 1'Never had sex with women nor men' 2'Had sex with women only' 3'Had sex with men only'
4'Had sex with both men and women'.
```

WSEVER : (D) Women – ever had sex with a man
   1 Never had sex
   2 Ever had sex

```
SPSS syntax

recode W1stInt (10 thru 43=2) (97=1) (else=copy) into WSEver.
variable labels WSEver '(D) Women - ever had sex with a man'.
value labs WSEver 1'Never had sex' 2 'Ever had sex'.
```

WOMSEX : (D) Women - whether had sex with men, women, both, neither'
   1 Never had sex with women nor men
   2 Had sex with women only
   3 Had sex with men only
   4 Had sex with both men and women

```
SPSS syntax

compute WomSex = -1.
If (Wsever = 1 and Wevsam = 2) WomSex=1.
If (Wsever = 2 and Wevsam = 2) WomSex=2.
If (Wsever = 1 and Wevsam = 1) WomSex=3.
If (Wsever = 2 and Wevsam = 1) WomSex=4.
execute.
var lab WomSex '(D) Women - whether had sex with men, women, both, neither'.
val labs WomSex 1'Never had sex with women nor men' 2'Had sex with men only' 3'Had sex with women only'
4'Had sex with both men and women'.
```

MCONT : (D) Men – current method of contraception

```
SPSS syntax

COMPUTE MCont = MCont1.
If  MCont29 =1 MCont = 2.
If  MCont10 = 1 MCont = 2.
If  MCont11 = 1 MCont = 2.
If  MCont12 = 1 MCont = 2.
If  MCont13 = 1 MCont = 2.
If  MCont6 = 1 MCont = 2.
If  MCont2 = 1 MCont = 3.
variable labels MCont '(D) Men - current method of contraception'.
Val Lab MCont 1'No method'  2'Use any method' 3'No sexual relationship'.
```

WCSTER : (D) Women - current method of contraception, surgical or non-surgical
WCSTER2 : (D) Women - current method of contraception, any

```
SPSS syntax

COMPUTE WCSter = WCont2.
If WCont5 = 1 WCSter = 1.
If WCont26 = 1 WCSter = 1.
If  WCont7 =1 WCSter = 2.
If  WCont8 =1 WCSter = 2.
If  WCont9 = 1 WCSter = 2.
If  WCont10 = 1 WCSter = 2.
If  WCont11 = 1 WCSter = 2.
If  WCont14 = 1 WCSter = 2.
If  WCont15 = 1 WCSter = 2.
If  WCont16 = 1 WCSter = 2.
If  WCont17 = 1 WCSter = 2.
If  WCont18 = 1 WCSter = 2.
If  WCont19 = 1 WCSter = 2.
If  WCont20 = 1 WCSter = 2.
If  WCont21 = 1 WCSter = 2.
If  WCont22 = 1 WCSter = 2.
If  WCont23 = 1 WCSter = 2.
If  WCont24 = 1 WCSter = 2.
If  WCont25 = 1 WCSter = 2.
If  WCont29 = 1 WCSter = 2.
If WCont3 = 1 WCSter =3.
If WCont4 = 1 WCSter =3.
If WCont2 = 1 WCSter = 4.
variable labels WCSter '(D) Women - current method of contraception, surgical or non-surgical'.
Val Lab WCSter  1'No method' 2'Use any non-surgical method' 3 'Any surgical method' 4'No sexual
relationship'.

Recode WCSter (1=1) (2 thru 3=2) (4=3) into WCSter2.
variable labels WCSter2 '(D) Women - current method of contraception, any'.
Val Lab WCSter2 1'No method' 2'Any method' 3'No sexual relationship'.
```

NOMETH : (D) Women – no method of contraception

```
SPSS syntax

COMPUTE NoMeth = WCont3.
If WCont4 = 1 NoMeth = 1.
If WCont5 = 1 NoMeth = 1.
Val Lab NoMeth 1'No Method' 0'No Method not mentioned'.
variable labels NoMeth '(D) Women - no method of contraception'.
```

WPILL : (D) Women – contraceptive pill

```
SPSS syntax

COMPUTE WPill = WCont7.
If WCont8 = 1 WPill = 1.
If WCont9 = 1 WPill = 1.
Val Lab WPill  1'Any contraceptive pill' 0'Contraceptive pill not mentioned'.
variable labels WPill '(D) Women - contraceptive pill'.
```

WEMERG : (D) Women – emergency contraception

```
SPSS syntax

COMPUTE WEmerg = WCont14.
If WCont15 = 1 WEmerg = 1.
Val Lab WEmerg  1'Any emergency contraception' 0'Emergency contraception not mentioned'.
variable labels  WEmerg '(D) Women - emergency contraception'.
```

WLACT : (D) Women – long-acting contraception

```
SPSS syntax

COMPUTE WLAct = WCont22.
If WCont23 = 1 WLAct = 1.
if Wcont21 = 1 WLAct = 1.
Val Lab WLAct  1'Any long acting contraception' 0'Long acting contraception not mentioned'.
variable labels WLAct '(D) Women - long-acting contraception'.
```

WCONTMOR1G : (D) Women – more than one method of contraception

```
SPSS syntax

COUNT WContmor1=WCont7 Wcont8 Wcont9 Wcont10 Wcont11 Wcont14 Wcont15 Wcont16 Wcont17 Wcont18 Wcont19
Wcont20 Wcont21
Wcont22 Wcont23 Wcont24 Wcont25 wcont26 wcont29 (1).
If wcont7 = -1 Wcontmor1=-1.
if wcont7 = -8 Wcontmor1=-8.
if wcont2 = 1 wcontmor1=0.
if wcont3=1 wcontmor1=0.
if wcont4=1 wcontmor1=0.
if wcont5=1 wcontmor1=0.
Fre WContmor1.
Recode Wcontmor1 (-8=-8) (-1=-1) (-3=-3) (0=0) (1=1) (1 thru 9 = 2) into Wcontmor1g.
variable labels Wcontmor1g '(D) Women - more than one method of contraception'.
Val Labs Wcontmor1g 0 'No method' 1 '1 method' 2 'More than 1 method'.
```

WCOMB : (D) Women – combination of methods of contraception

```
SPSS syntax

COMPUTE WComb = WMComb.
If wcontmor1g = 1 WComb = 1.
If   WMComb = 1 WComb = 2.
If   WMComb = 2 WComb = 3.
Val Lab WComb 1'One method'  2'Combination of methods' 3'Sometimes one, sometimes other'.
variable labels WComb '(D) Women - combination of methods of contraception'.
```

WMAPTM2 : (D) Women – use of emergency contraception

```
SPSS syntax

Recode WMapTm (1=1) (2=2) (3 thru 7 =3) into WMapTm2.
Value Labs WMapTm2 1'Once' 2'Twice' 3'Three times or more'.
variable labels WMapTm2 '(D) Women - use of emergency contraception'.
```

WMAP2 : (D) Women – number of times emergency contraception used
    1 Never had sex
    2 Ever had sex

```
SPSS syntax

COMPUTE WMap2 = WMap.
If WMapTm2 = 1 WMap2 = 1.
If WMapTm2 = 2 WMap2 = 2.
If WMapTm2 = 3 WMap2 = 3.
If WMap = 2 WMap2 = 4.
Value Labs WMap2 1'Once' 2'Twice' 3'Three times or more' 4 'No'.
variable labels WMap2 '(D) Women - number of times emergency contraception used'.
```

MTCH : (D) Men – when last tested for chlamydia

```
SPSS syntax

COMPUTE MTCh = MTChWn.
If MTstCh = 2 MTCh = 7.
Value Labs MTCh 1'Last 3 months' 2'At least 3 months, less than 6 months' 3'At least 6 months, less than 1
year' 4 'At least 1 year, less than 2 years' 5 'At least 2 years, less than 5 years'
6 '5 years or more' 7 'Never tested'.
variable labels MTCh '(D) Men - when last tested for chlamydia'.
```

WTCH : (D) Women – when last tested for chlamydia

```
SPSS syntax

COMPUTE WTCh = WTChWn.
If WTstCh = 2 WTCh = 7.
Value Labs WTCh 1'Last 3 months' 2'At least 3 months, less than 6 months' 3'At least 6 months, less than 1
year' 4 'At least 1 year, less than 2 years' 5 'At least 2 years, less than 5 years'
6 '5 years or more' 7 'Never tested'.
variable labels WTCh '(D) Women - when last tested for chlamydia'.
```

MDIAG : (D) Men – whether any STI

```
SPSS syntax
```

```
COMPUTE MDiag = MDiag1.
If  MDiag2 =1 MDiag = 1.
If  MDiag3 = 1 MDiag = 1.
If  MDiag4 = 1 MDiag = 1.
If  MDiag5 = 1 MDiag = 1.
If  MDiag6 = 1 MDiag = 1.
If  MDiag7 = 1 MDiag = 1.
If  MDiag8 = 1 MDiag = 1.
If  MDiag12 = 1 MDiag = 1.
If  MDiag13 = 1 MDiag = 1.
If  MDiag14 = 1 MDiag = 1.
If MDiag15 = 1 MDiag = 2.
Val Lab MDiag 1'Any STI'  2'None of these'.
variable labels MDiag '(D) Men - whether any STI'.
```

MDIAGM12 : (D) Men – number of STIs

```
SPSS syntax

COUNT MDiagm1=MDiag1 MDiag2 MDiag3 MDiag4 MDiag5 MDiag6 MDiag7 MDiag8 MDiag12 MDiag13 MDiag14 (1).
EXE.
Fre MDiagm1.
Recode MDiagm1 (0=0) (1=1) (1 thru 9 = 2) into MDiagm12.
variable labels MDiagm12 '(D) Men - Number of STIs'.
Val Labs MDiagm12 0 'No STIs' 1 '1 STI' 2 'More than 1 STI'.
```

Spirometry

COPDD: (D) Doctor-diagnosed COPD, recoded into Yes/No only

```
SPSS syntax

recode COPD (-9 thru -1=2) (ELSE=COPY) INTO COPDD.
exe.
variable labels COPDD "(D) Doctor-diagnosed COPD, recoded into Yes/No only".
value labels COPDD 1 'Yes' 2 'No'.
```

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

```
SPSS syntax

recode SymAs (-8, -1=COPY) (3=2) (2,1=1) INTO SymAsS.
exe.
variable labels SymAsS "(D) Self-reported current asthma, recoded into Yes/No".
value labels SymAsS -8 "Don't know" -1 "Not applicable" 1 'Yes' 2 'No'.
fre SymAsS.
do if SymAsS=1.
compute Asthma=1.
else if SymAsS=2 and ConDR=1.
compute Asthma=2.
else if ConDR=2.
compute Asthma=3.
end if.
exe.
```

CHSMST: (D) Child's smoking status

```
SPSS syntax

compute ChSmSt=99.
if (kcigreg=5 or kcigreg=6 or cot12val=2) ChSmSt=1.
if ((kcigreg=1 or kcigreg=2 or kcigreg=3 or kcigreg=4) and cot12val=1) ChSmSt=2.
if ((kcigreg=1 or kcigreg=2 or kcigreg=3 or kcigreg=4) and cotval=0) ChSmSt=3.
exe.
fre ChSmSt.
do if ChSmSt=99 and age>=8 and age<=15 and cot12val=1.
compute ChSmSt=4.
end if.
exe.

recode ChSmSt (99=-1).
variable labels ChSmSt "(D) Child's smoking status".
value labels ChSmSt -1 'Not applicable' 1 'Current smoker' 2 'Passive smoker' 3 'Non-smoker' 4 'Has
cotinine result but no information on smoking'.
```

LFOUTC: (D) New lung function outcome

```
SPSS syntax

rename variables LFOUTC=LFOUTC old.
variable labels LFOUTC old 'Previous version of lung function outcome'.

if GradeR="A" LFOUTC=1.
if GradeR="B" LFOUTC=2.
if GradeR="C" LFOUTC=3.
if GradeR="D" LFOUTC=4.
if GradeR="F" LFOUTC=5.
do if GradeR="-1" and Lfoutc old>=1 and Lfoutc old<=5.
compute lfoutc=10.
end if.
value labels LFOUTC -1 'Item not applicable' 1 'Blow quality A' 2 'Blow quality B' 3 'Blow quality C' 4
'Blow quality D'
 5 'Blow quality F' 6 'Not attempted' 7 'Refused' 8 'Not assigned' 9 'Not eligible' 10 ' Data not usable'.

variable labels LFOUTC '(D) New lung function outcome'.

if GradeR="-1" and lfoutc_old=-1 LFOUTC=-1.
if GradeR="-1" and lfoutc_old=6 LFOUTC=6.
if GradeR="-1" and lfoutc_old=7 LFOUTC=7.
if GradeR="-1" and lfoutc_old=8 LFOUTC=8.
if GradeR="-1" and lfoutc_old=9 LFOUTC=9.
```

```
exe.

do if age<7.
compute lfoutc=99.
end if.
add value labels lfoutc 99 'Age ineligible (<7)'.

do if lfoutc=-1 and (nuroutc~=-1 or nurse=2).
compute lfoutc=97.
end if.
add value labels lfoutc 97 'Age eligible but did not have Nurse visit'.

do if age>=7 and age<16.
if GradeR="A" LFOUTC=1.
if GradeR="B" LFOUTC=2.
if GradeR="C" LFOUTC=3.
if GradeR="D" LFOUTC=4.
if GradeR="F" LFOUTC=5.
end if.

do if age>=7 and age<16.
if GradeR="-1" and lfoutc_old=-1 LFOUTC=-1.
if GradeR="-1" and lfoutc_old=6 LFOUTC=6.
if GradeR="-1" and lfoutc_old=7 LFOUTC=7.
if GradeR="-1" and lfoutc_old=8 LFOUTC=8.
if GradeR="-1" and lfoutc_old=9 LFOUTC=9.
end if.

do if samptype=2 and age>=7 and age<16.
compute lfoutc=96.
end if.
exe.
add value labels lfoutc 96 'From Boost Sample - no Nurse Visit'.

do if lfoutc=-1 and (nuroutc~=-1 or nurse=2) and age>=7 and age<16.
compute lfoutc=97.
end if.
add value labels lfoutc 97 'Age eligible but did not have Nurse visit'.
```

QUALSPIRO: (D) Quality of spirometry measure after QA
QUALSPIRO2: (D) Quality of spirometry – whether provided good-quality measure

```
SPSS syntax

if lfoutc=1 qualspiro=1.
if lfoutc=2 qualspiro=2.
if lfoutc=3 qualspiro=3.
if lfoutc=4 and usespiro=1 qualspiro=4.
if (lfoutc=4 and usespiro=2) or lfoutc=5 qualspiro=-99.
recode qualspiro (sysmis=-1).
variable labels qualspiro '(D) Quality of spirometry measure after QA'.
value labels qualspiro 1 'Grade A' 2 'Grade B' 3 'Grade C' 4 'Grade D but usable' -1 'No spirometry' -99
'Grade D but not usable or Grade F'.

if (qualspiro=1 or qualspiro=2 or qualspiro=3) qualspiro2=1.
if (lfoutc>=4 and lfoutc<=10) qualspiro2=2.
variable labels qualspiro2 '(D) Quality of spirometry - whether provided good quality measure'.
value labels qualspiro2 1 'Yes (Grades A - C)' 2 'No' -1 'Not applicable'.
recode qualspiro2 (sysmis=-1).
exe.
```

FEV1CAT1: (D) Whether FEV1 is at or above the 5th centile, or below the 5th centile
FEV1CAT2: (D) Whether FEV1 is at or above the 2.5th centile, or below the 2.5th centile
FVCCAT1: (D) Whether FVC is at or above the 5th centile, or below the 5th centile
FVCCAT2: (D) Whether FVC is at or above the 2.5th centile, or below the 2.5th centile
FEV1FVCCAT1: (D) Whether FEV1/FVC is at or above the 5th centile, or below the 5th centile
FEV1FVCCAT2: (D) Whether FEV1/FVC is at or above the 2.5th centile, or below the 2.5th centile

```
SPSS syntax

if FEV1Cent>=5 FEV1Cat1=1.
if FEV1Cent<5 FEV1Cat1=2.
if FEV1Cent=-1 FEV1Cat1=-1.
exe.
variable labels FEV1Cat1 '(D) Whether FEV1 is at or above the 5th centile, or below the 5th centile'.
value labels FEV1Cat1 -1 'Not applicable' 1 'FEV1 is at or above the 5th centile' 2 'FEV1 is below the 5th
centile'.
```

```
if FEV1Cent>=2.5 FEV1Cat2=1.
if FEV1Cent<2.5 FEV1Cat2=2.
if FEV1Cent=-1 FEV1Cat2=-1.
exe.
variable labels FEV1Cat2 '(D) Whether FEV1 is at or above the 2.5th centile, or below the 2.5th centile'.
value labels FEV1Cat2 -1 'Not applicable' 1 'FEV1 is at or above the 2.5th centile' 2 'FEV1 is below the
2.5th centile'.

if FVCCent>=5 FVCCat1=1.
if FVCCent<5 FVCCat1=2.
if FVCCent=-1 FVCCat1=-1.
exe.
variable labels FVCCat1 '(D) Whether FVC is at or above the 5th centile, or below the 5th centile'.
value labels FVCCat1 -1 'Not applicable' 1 'FVC is at or above the 5th centile' 2 'FVC is below the 5th
centile'.

if FVCCent>=2.5 FVCCat2=1.
if FVCCent<2.5 FVCCat2=2.
if FVCCent=-1 FVCCat2=-1.
exe.
variable labels FVCCat2 '(D) Whether FVC is at or above the 2.5th centile, or below the 2.5th centile'.
value labels FVCCat2 -1 'Not applicable' 1 'FVC is at or above the 2.5th centile' 2 'FVC is below the
2.5th centile'.

if FEV1FVCC>=5 FEV1FVCCat1=1.
if FEV1FVCC<5 FEV1FVCCat1=2.
if FEV1FVCC=-1 FEV1FVCCat1=-1.
exe.
variable labels FEV1FVCCat1 '(D) Whether FEV1/FVC is at or above the 5th centile, or below the 5th
centile'.
value labels FEV1FVCCat1 -1 'Not applicable' 1 'FEV1/FVC is at or above the 5th centile' 2 'FEV1/FVC is
below the 5th centile'.

if FEV1FVCC>=2.5 FEV1FVCCat2=1.
if FEV1FVCC<2.5 FEV1FVCCat2=2.
if FEV1FVCC=-1 FEV1FVCCat2=-1.
exe.
variable labels FEV1FVCCat2 '(D) Whether FEV1/FVC is at or above the 2.5th centile, or below the 2.5th
centile'.
value labels FEV1FVCCat2 -1 'Not applicable' 1 'FEV1/FVC is at or above the 2.5th centile' 2 'FEV1/FVC is
below the 2.5th centile'.
```

AIROBS: (D) Has airflow obstruction based on FEV1 and FEV1/FVC

```
SPSS syntax

if FEV1Cat1=2 and FEV1FVCCat1=2 AirObs=1.
if sysmis(AirObs) and FEV1Cat1~=-1 AirObs=2.
if FEV1Cat1=-1 AirObs=-1.
exe.
variable labels AirObs '(D) Airflow obstruction - categorical variable'.
value labels AirObs 1 'Has airflow obstruction based on FEV1 and FEV1/FVC' 2 'Does not have airflow
obstruction' -1 'Not applicable'.
```

Urine

SODIVAL: (D) Valid Sodium Result

```
SPSS syntax

compute sodival=-5.
if sodiumq=-2 sodival=-2.
if sodium=-1 sodival=-1.

if sodiumq=-1 and sodium>=1 sodival=1.
variable labels sodival "(D) Valid Sodium Result".
```