Scottish Health Survey

'11

Dataset documentation

Variable list
Derived variable syntax
Variables used in report tables

Scottish Health Survey

'11

Variable List

A survey carried out on behalf of The Scottish Government Health Directorates and NHS Health Scotland

Scottish Centre for Social Research
Department of Epidemiology and Public Health, University College London
& The MRC Social and Public Health Sciences Unit, Glasgow

TABLE OF CONTENTS

Introduction

This document is the most sensible starting point to analysing the SHeS data, as it categorises all the variables stored on the dataset to two levels. 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. Users should not rely on variable or value labels within the dataset to convey full information about how questions were worded.

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 13-15, SC YP, SC AD, SC P4-12 or where a question appears in more than one booklet the range is widened (eg SC 13-15, SC 16+)
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

Major changes to the questionnaire, or to the way that summary variables have been derived, that could affect time series analysis are noted at the start of applicable sections. Other information is also provided at the start of the smoking and drinking sections to explain the process through which the data for the questions asked in the self-completion and interview are combined.

Household

HHSerialA	Archive serial number of household	hhold
HHSize	Household Size	hhold
NOFAd	Number of persons aged 16+ in the household	hhold
NOFCh	Number of children aged 2-15 in the household.	hhold
NOFInf	Number of infants under age 2 in the household	hhold
HHldr1	Accommodation owned/rented by person 1	hhold
HHldr2	Accommodation owned/rented by person 2	hhold
HHldr3	Accommodation owned/rented by person 3	hhold
HHldr4	Accommodation owned/rented by person 4	hhold
HHldr5	Accommodation owned/rented by person 5	hhold
HHldr6	Accommodation owned/rented by person 6	hhold
HHldr7	Accommodation owned/rented by person 7	hhold
HHldr8	Accommodation owned/rented by person 8	hhold
HHldr9	Accommodation owned/rented by person 9	hhold
HHldr10	Accommodation owned/rented by person 10	hhold
HHldr11	Accommodation owned/rented by person 11	hhold
HHldr12	Accommodation owned/rented by person 12	hhold
HHldr97	Accommodation owned/rented by someone outside household	hhold
OwnRnt08	Household tenure	hhold
LandLord	Who is your landlord?	hhold
Car	Car or van available	hhold
NumCars	Number of cars available	hhold
PasSm	Persons smoking in accommodation	hhold
EatTog	Times in the last week people in this hhold ate main meal together	hhold
AdNum	Number of adults in household	hhold
ChNum	Number of children aged 0-15 in household	hhold
hhdtypb	(D) Household Type	Derived
ParAny01	Whether person 1 is parent/guardian of any child 0-15 in household	hhold
ParAny02	Whether person 2 is parent/guardian of any child 0-15 in household	hhold
ParAny03	Whether person 3 is parent/guardian of any child 0-15 in household	hhold
ParAny04	Whether person 4 is parent/guardian of any child 0-15 in household	hhold
ParAny05	Whether person 5 is parent/guardian of any child 0-15 in household	hhold
ParAny06	Whether person 6 is parent/guardian of any child 0-15 in household	hhold
ParAny07	Whether person 7 is parent/guardian of any child 0-15 in household	hhold
ParAny08	Whether person 8 is parent/guardian of any child 0-15 in household	hhold
ParAny09	Whether person 9 is parent/guardian of any child 0-15 in household	hhold
ParAny10	Whether person 10 is parent/guardian of any child 0-15 in household	hhold
ParAny11	Whether person 11 is parent/guardian of any child 0-15 in household	hhold
ParAny12	Whether person 12 is parent/guardian of any child 0-15 in household	hhold

Individual

pserialA	Archive serial number of individual	indiv
Sex	Sex	indiv
IOut	Final individual outcome code.	indiv
age	Age last birthday	indiv

irndage	(D) age at interview rounded to the nearest integer	Derived
nrndage	(D) age at nurse visit rounded to the nearest integer	Derived
ag16g10	(D) Age 16+ in ten year bands	Derived
ag16g3	(D) Age 16+ in 3 groups	Derived
ag16g4	(D) age 16+ - four groups	Derived
ag015g2	(D) Age 0-15 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
comp95	(D) Adults aged 16-64	Derived
comp98	(D) Children 2-15 & Adults 16-74	Derived
smkage	(D) Adults age grouped for report smoking tables	Derived
ag215gPA	(D) Age grouped for children's PA tables	Derived
Kage1675	(D) Age groups for KAM report	Derived
ageBMI	(D) Childs age grouped for BMI report tables	Derived
resptyp	(D) Respondent category	Derived

Admin

SampType	Sample type (Core/Boost)	sample
Sample	Sample type (A/B)	sample
Main	Main sample household	sample
Boost	Boost Sample household	sample
NurInd	Nurse Visit household	sample
RAdult	Person number of random adult in this household (KAM interview)	hhold
Child1	Person number of first selected child	hhold
Child2	Person number of second selected child	hhold
Person	Person number (of respondent) in household grid	hhold
Hholder	Is this person (respondent) mentioned at Hhlder?	hhold
HRPID	Household Reference Person identifier	hhold
HHResp	Who answers hhold grid	hhold
HQResp	Status of person answering household grid	hhold
HiHNum	Person number of highest income earner	hhold
JntEldA	Person number of eldest highest income earner	hhold
JntEldB	Person number of eldest householder	hhold
DVHRPNum	Person number of household reference person	hhold
AdResp	Who answers on behalf of child U13	hhold
NHSCon	Permission to pass name to ISD	indiv
NHSSig	Whether signed consent obtained	indiv
ReIntCon	Permission to contact for reinterview	indiv
ReIntSig	Signed consent for reinterview	indiv

Self-completion admin

BookChk	Self completion book check (18-19 year olds)	indiv
ParSDQ	Person number of parent completing SC book for parents	indiv
SComp3	SC: Booklet completed	indiv

SComp61	SC refused: Child away from home during fieldwork period	indiv
SComp62	SC refused: Eyesight problems	indiv
SComp63	SC refused: Language problems	indiv
SComp64	SC refused: Reading/writing/comprehension problems	indiv
SComp65	SC refused: Respondent bored/fed up/tired	indiv
SComp66	SC refused: Questions too sensitive/invasion of privacy	indiv
SComp67	SC refused: Too long/too busy/taken long enough already	indiv
SComp68	SC refused: No other reason given	indiv
SDQChk	Whether SDQ completed	indiv
SDQComp0	SDQ refused: Child away from home during fieldwork period	indiv
SDQComp1	SDQ refused: Eyesight problems	indiv
SDQComp2	SDQ refused: Language problems	indiv
SDQComp3	SDQ refused: Reading/writing/comprehension problems	indiv
SDQComp4	SDQ refused: Respondent bored/fed up/tired	indiv
SDQComp5	SDQ refused: Questions too sensitive/invasion of privacy	indiv
SDQComp6	SDQ refused: Too long/too busy/taken long enough already	indiv
SDQComp7	SDQ refused: No other reason given	indiv
SDQComp8	SDQ refused: Other reason	indiv
ParentNo	Person no. of parent	indiv
TypeSC	Type of S/C questionaire completed	indiv
booklet	(D) Which self-completion	Derived

Relationships

Marital8	Marital status	hhold
Couple	Whether living together as a couple	hhold
LegPar	Legal parents in household	hhold
Par1	Person number of legal parent 1	hhold
Par2	Person number of legal parent 2	hhold
R	Relationship to person 1	hhold
R2	Relationship to person 2	hhold
R3	Relationship to person 3	hhold
R4	Relationship to person 4	hhold
R5	Relationship to person 5	hhold
R6	Relationship to person 6	hhold
R7	Relationship to person 7	hhold
R8	Relationship to person 8	hhold
R9	Relationship to person 9	hhold
R10	Relationship to person 10	hhold
R11	Relationship to person 11	hhold
R12	Relationship to person 12	hhold
LiveWith	Cohabitee?	hhold
maritalg	Marital status (grouped)	derived

Sample Info

Note: there are 2 version of the SIMD quintile variable

- simd5_RP runs from 1=least deprived (labelled '5th - least deprived') to 5=most deprived (labelled '1st – most deprived') and was used to produce the 2008 report tables, where the columns are also in this order.
- simd5_SG runs from 1=most deprived to 5=least deprived and reflects the Scottish Government harmonised labels for SIMD

NOFHH	Number of households	arf
URINDSC	Urban/Rural Indicator (2009)	sample
simd15_09	Flag lowest 15% SIMD	sample
simd5_RP	SIMD 2006 quintiles - as used in report tables	sample
simd5_SG	SIMD 2006 quintiles - SG harmonised	sample
strata	Stratification unit	sample
psu	Primary sampling unit (cluster)	sample
HlthBrd	Health Board	sample

Weighting

int11wt	Individual weight after calibration	indiv
cint11wt	Child weight after calibration	indiv
vera11wt	Individual weight after calibration (Version A respondents)	indiv
nurs11wt	Nurse weight after calibration	indiv
blod11wt	Blood weight after calibration	indiv
kam11wt	KAM weight after calibration	indiv
vitD11wt	Vit D weight after calibration (Year 4)	indiv

General Health

Self-assessed health & life satisfaction

GenHelf	Self-assessed general health	indiv
LifeSat	How satisfied with life as a whole nowadays?	indiv
genhelf2	(D) Self-assessed general health - grouped	Derived
LifeSat2	(D) Life satisfaction (grouped)	Derived

Longstanding illness

LongIll08	Whether has longstanding illness	indiv
IllCode1	Code for longstanding illness 1	indiv
IllCode2	Code for longstanding illness 2	indiv
IllCode3	Code for longstanding illness 3	indiv
IllCode4	Code for longstanding illness 4	indiv
IllCode5	Code for longstanding illness 5	indiv
IllCode6	Code for longstanding illness 6	indiv
IllCode1	Code for longstanding illness 1	indiv
LimitAc1	Activities limited due to illness 1	indiv
LimitAc2	Activities limited due to illness 2	indiv

LimitAc3	Activities limited due to illness 3	indiv
LimitAc4	Activities limited due to illness 4	indiv
LimitAc5	Activities limited due to illness 5	indiv
LimitAc6	Activities limited due to illness 6	indiv
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
condcnt4	(D) Number of grouped conditions (all those with illness)	Derived
condcnt3	(D) Number of grouped conditions – 2 plus	Derived
limitill	(D) Limiting longstanding illness	Derived

Caring

RG15	Do you provide any regular help or care for any sick, disabled or frail person	indiv
RG16a	Who is it that you provide regular help or care for (1)	indiv
RG16b	Who is it that you provide regular help or care for (2)	indiv
RG17	How many hours do you spend each week providing help or unpaid care for (him/her/them)	indiv

Wellbeing and mental health

GHQ12

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

WEMWBS

OPTIM	WEMWBS: Been feeling optimistic about the future	SC 16+
USE	WEMWBS:Been feeling useful	SC 16+
RELAX	WEMWBS:Been feeling relaxed	SC 16+
INTREST	WEMWBS:Been feeling interested in other people	SC 16+
ENERGY	WEMWBS:I've had energy to spare	SC 16+
DEAL	WEMWBS:Been dealing with problems well	SC 16+
THINK	WEMWBS:Been thinking clearly	SC 16+
GOOD	WEMWBS:Been feeling good about myself	SC 16+
CLOSE	WEMWBS:Been feeling close to other people	SC 16+
CONFID2	WEMWBS:Been feeling confident	SC 16+
MIND	WEMWBS:Been able to make up my own mind about things	SC 16+
LOVE	WEMWBS:Been feeling loved	SC 16+
INTRST2	WEMWBS:Been interested in new things	SC 16+
CHEER	WEMWBS:Been feeling cheerful	SC 16+
wemwbs	(D) WEMWBS score	Derived

Strengths and Difficulties Questionnaire (4-12 years)

sdq_pro	(D) SDQ Prosocial Dimension Score	Derived
sdq_hyp	(D) SDQ Hyperactivity Dimension Score	Derived
sdq_emo	(D) SDQ Emotional Symptoms Dimension Score	Derived
sdq_con	(D) SDQ Conduct Disorder Dimension Score	Derived
sdq_pee	(D) SDQ Peer Problems Dimension Score	Derived
sdq_tot	(D) SDQ Total Dimension Score (excl. Prosocial)	Derived
sdq_prog	(D) SDQ Prosocial behaviour dimension (grouped 6-10,5,0-4)	Derived
sdq_hypg	(D) SDQ Hyperactivity dimension (grouped 0-5,6,7-10)	Derived
sdq_emog	(D) SDQ Emotional Symptoms dimension (grouped 0-3,4,5-10)	Derived
sdq_cong	(D) SDQ Conduct Disorder dimension (grouped 0-2,3,4-10)	Derived
sdq_peeg	(D) SDQ Peer problems dimension (grouped 0-2,3,4-10)	Derived
sdq_totg	(D) SDQ Total dimension (grouped 0-13,14-16,17-40)	Derived
SDQFEEL	Q1 Considerate of other people s feelings	SC P4-12
SDQHYPER	Q2 Restless, overactive, cannot stay still for long	SC P4-12
SDQACHES	Q3 Often complains of headaches, stomach-aches or sickness	SC P4-12
SDQSHARE	Q4 Shares readily with other children (treats, toys, pencils etc.)	SC P4-12
SDQTEMPR	Q5 Often has temper tantrums or hot tempers	SC P4-12
SDQALONE	Q6 Rather solitary, tends to play alone	SC P4-12
SDQOBEYS	Q7 Generally obedient, usually does what adults request	SC P4-12

SDQWORRY	Q8 Many worries, often seems worried	SC P4-12
SDQHELP	Q9 Helpful if someone is hurt, upset or feeling ill	SC P4-12
SDQFIDGT	Q10 Constantly fidgeting or squirming	SC P4-12
SDQPAL	Q11 Has at least one good friend	SC P4-12
SDQFIGHT	Q12 Often fights with other children or bullies them	SC P4-12
SDQSAD	Q13 Often unhappy, down-hearted or tearful	SC P4-12
SDQLIKED	Q14 Generally liked by other children	SC P4-12
SDQDAZE	Q15 Easily distracted, concentration wanders	SC P4-12
SDQCLING	Q16 Nervous or clingy in new situations, easily loses confidence	SC P4-12
SDQKIND	Q17 Kind to younger children	SC P4-12
SDQLIES	Q18 Often lies or cheats	SC P4-12
SDQBULLD	Q19 Picked on or bullied by other children	SC P4-12
SDQVOLS	Q20 Often volunteers to help others (parents, teachers, other children)	SC P4-12
SDQTHINK	Q21 Thinks things out before acting	SC P4-12
SDQSTEAL	Q22 Steals from home, school or elsewhere	SC P4-12
SDQADULT	Q23 Gets on better with adults than with other children	SC P4-12
SDQFEARS	Q24 Many fears, easily scared	SC P4-12
SDQTEND	Q25 Sees tasks through to the end, good attention span	SC P4-12

Clinical Interview Schedule – Revised: Depression questionniare

G1	CISR – DEPRESSION Felt depressed in past month	nurse
G2	CISR – DEPRESSION Able to enjoy / take interest in things as usual in past month	nurse
G4	CISR – DEPRESSION Felt depressed in past week	nurse
G5	CISR – DEPRESSION Able to enjoy / take interest in things as usual in past week	nurse
G6	CISR – DEPRESSION No. of days in past week felt depressed	nurse
G7	CISR – DEPRESSION Felt depressed >3 hrs in total on any day	nurse
G9	CISR – DEPRESSION Felt happy if nice thing happened in past week	nurse
G10	CISR – DEPRESSION Duration of depression	nurse
depsymp	(D) Number of depression symptoms	Derived
depany	(D) Any depression symptoms	Derived
depany2	(D) One or more depression symptoms	Derived

Clinical Interview Schedule - Revised: Anxiety questionniare

J1	CISR - ANXIETY Felt anxious or nervous in past month	nurse
J2	CISR - ANXIETY Muscle tension / inability to relax	nurse
J3	CISR - ANXIETY Phobias	nurse
DVJ4	(D) CISR – ANXIETY Any anxiety / phobia in past month	nurse
J5	CISR - ANXIETY Cause of anxiety in past month	nurse
J6	CISR - ANXIETY General anxiety/nervousness/tension in past 7 days (IF anxiety & phobia)	nurse
J7	CISR - ANXIETY General anxiety/nervousness/tension in past 7 days (IF anxiety only)	nurse
J8	CISR - ANXIETY Anxiety rating	nurse
J9	CISR - ANXIETY Any physical symptoms	nurse

J9A1	CISR - ANXIETY Symptoms: Heart racing or pounding	nurse
J9A2	CISR - ANXIETY Symptoms: Hands sweating or shaking	nurse
J9A3	CISR - ANXIETY Symptoms: Feeling dizzy	nurse
J9A4	CISR - ANXIETY Symptoms: Difficulty getting breath	nurse
J9A5	CISR - ANXIETY Symptoms: Butterflies in stomach	nurse
J9A6	CISR - ANXIETY Symptoms: Dry mouth	nurse
J9A7	CISR - ANXIETY Symptoms: Nausea or wanting to vomit	nurse
J10	CISR - ANXIETY Felt anxious/nervous/tense >3 hours in total on any day	nurse
J11	CISR - ANXIETY Duration of anxiety	nurse
anxsymp	(D) Number of anxiety symptoms	Derived
anxany	(D) Any anxiety symptoms	Derived
anxany2	(D) One or more anxiety symptoms	Derived

Clinical Interview Schedule - Revised: Deliberate self-harm questionniare

DSH4	DSH Ever made an attempt to take own life	nurse
DSH4a	DSH When made an attempt to take own life	nurse
DSH5	DSH Ever deliberately self-harmed (suicide not intended)	nurse
DSH61	DSH Harm method - cutting	nurse
DSH62	DSH Harm method – burning	nurse
DSH63	DSH Harm method – swallowing objects	nurse
DSH64	DSH Harm method - other	nurse
DSH9	DSH Received medical attention for self harm	nurse
DSH10	DSH See psych / counsellor for self harm	nurse
suicide	(D) Attempted to take own life	Derived
suicide2	(D) Suicide recoded	Derived
suicide3	(D) Suicide2 recoded - 2 categories	Derived

CVD

CVD conditions

cvddef	(D) Had cardiovascular condition	Derived
cvddef1	(D) Had cardiovascular condition (excluding diabetes/high BP)	Derived
cvddef2	(D) Had cardiovascular condition (incl diabetes/excl. high BP)	Derived
ihdis	(D) Had IHD (Angina or Heart Attack)	Derived
cvdis	(D) Had CVD (Angina, Heart Attack or Stroke)	Derived

Angina

everangi	Ever had angina	indiv
docangi	Doctor diagnosed angina	indiv
recangi	Had angina in past year	indiv
angidef	(D) Doctor diagnosed angina	Derived
recangi2	(D) Angina in last 12 months	Derived

Blood pressure

everbp	Ever had high BP	indiv
docnurbp	Doctor diagnosed high BP	indiv
pregbp	Pregnant when told had high BP	indiv
nopregbp	High BP other than when pregnant	indiv
medcinbp	Take medicines for high BP	indiv
stillbp	Still have high BP	indiv
pastabbp	Ever taken medicines for high BP	indiv
fintabc1	Stop BP Med: Doc advised due to improvement	indiv
fintabc2	Stop BP Med: Doc advised due to lack of improvement	indiv
fintabc3	Stop BP Med: Doc advised due to other problem	indiv
fintabc4	Stop BP Med: Resp decided because felt better	indiv
fintabc5	Stop BP Med: Resp decided for other reason	indiv
fintabc6	Stop BP Med: Other reason	indiv
advicebp	Receiving other treatment for high BP	indiv
adbpc1	Treat BP: Blood pressure monitored by GP/nurse	indiv
adbpc2	Treat BP: Advice or treatment to lose weight	indiv
adbpc3	Treat BP: Blood tests	indiv
adbpc4	Treat BP: Change diet	indiv
adbpc5	Treat BP: Stop smoking	indiv
adbpc6	Treat BP: Reduce stress	indiv
adbpc7	Treat BP: Other treatment	indiv
adbpc8	Treat BP: Lifestyle in general	indiv
BPMeas	(VERA) Ever had BP measured	indiv
measlast	(VERA) Last time BP measured	indiv
levelbp	(VERA) Was BP normal last time measured	indiv
onlybp	(VERA) How often high BP	indiv
bp1	(D) Doctor diagnosed high blood pressure (excluding pregnant)	Derived
currbp	(D) Currently has high bp	Derived

Cholesterol

chlest	(VERA) Ever had cholesterol measured	indiv
lastchol	(VERA) Last time cholesterol measured	indiv
cholevel	(VERA) Was cholesterol normal last time measured	indiv

CHD/Stroke

everhart	Ever had Heart attack	indiv
everstro	Ever had Stroke	indiv
docheart	Doctor diagnosed heart attack	indiv
docstro	Doctor diagnosed stroke	indiv
recheart	Had heart attack in past year	indiv
recstro	Had stroke in past year	indiv
medheart	Medicines for heart condition or stroke	indiv
adchdc1	Treat Heart: Special diet	indiv
adchdc2	Treat Heart: Regular check-up with GP/hospital/clinic	indiv

adchdc3	Treat Heart: Taking medication	indiv
adchdc4	Treat Heart: Other treatment	indiv
heartdef	(D) Doctor diagnosed heart attack	Derived
strodef	(D) Doctor diagnosed stroke	Derived
recheart2	(D) Heart attack in last 12 months	Derived
recstro2	(D) Stroke in last 12 months	Derived

Diabetes

everdi	Ever had Diabetes	indiv
docinfo1	Doctor diagnosed diabetes	indiv
pregdi	Pregnant when told had diabetes	indiv
nopregdi	Diabetes other than when pregnant	indiv
ageinfo1	Age told had diabetes (in years)	indiv
insulin	Insulin for diabetes	indiv
medcindi	Take medicines for diabetes	indiv
advicedi	Receiving any treatment for diabetes	indiv
addic1	Treat Diabetes: Special diet	indiv
addic2	Treat Diabetes: Regular check-up with GP/hospital/clinic	indiv
addic3	Treat Diabetes: Other treatment	indiv
diabete2	(D) Doctor diagnosed diabetes (excluding pregnant)	Derived

Heart murmur

evermur	Ever had Heart murmur	indiv
murdoc	Doctor diagnosed heart murmur	indiv
pregmur	Pregnant when told had heart murmur	indiv
pregmur1	Heart murmur other than when pregnant	indiv
murrec	Heart murmur in past year	indiv
murpill	Any medicines for heart murmur	indiv
mursurg	Any surgery for heart murmur	indiv
mursurg1	How long ago had surgery for heart murmur (in years)	indiv
surgmur	On waiting list for heart murmur	indiv
admur	Receiving other treatment for heart murmur	indiv
murmur1	(D) Doctor diagnosed heart murmur (excluding pregnant)	Derived
murmur2	(D) Heart murmur in last year (excluding pregnant)	Derived

Other CVD

everireg	Ever had Abnormal heart rhythm	indiv
everoht	Ever had Any other heart trouble	indiv
docireg	Doctor diagnosed abnormal heart rhythm	indiv
docoht	Doctor diagnosed other heart trouble ?	indiv
recireg	Had abnormal heart rhythm in past year	indiv
recoht	Had other heart trouble in past year	indiv
iregdef	(D) Doctor diagnosed irregular heart rhythym	Derived
ohtdef	(D) Doctor diagnosed other heart condition	Derived

recireg2	(D) Irregular heart rhythym in last 12 months	Derived
recoht2	(D) Other heart condition in last 12 months	Derived

Parental history

LiveMaB	Whether natural mother alive	indiv
AgeMa	Age of natural mother	indiv
ConsMaB	Cause of death of natural mother	indiv
AgeMaB	Age natural mother died	indiv
NatPaB	Natural father in hhold	indiv
LivePaB	Whether natural father alive	indiv
AgePa	Age of natural father	indiv
ConsPaB	Cause of death of natural father	indiv
AgePaB	Age natural father died	indiv
Macvdth	(D) Mother - cause of death	Derived
Pacvdth	(D) Father - cause of death	Derived
famcvd	(D) Known family CVD	Derived

Use of services

surgery	Surgery for heart condition	indiv
whensurg	How long ago had surgery for heart condition (in years)	indiv
oplist	On waiting list for surgery for heart condition	indiv
OthTrt	Currently receiving treatment for other heart condition	indiv
DocTalk	Last time talked to doctor in last 2 weeks	indiv
DocNum	No of times talked to doctor in last 2 weeks	indiv
Consul1	Was this consultation about your CVD condition?	indiv
Consul2	Talk Doc last 2 weeks: High blood pressure	indiv
Consul3	Talk Doc last 2 weeks: Angina	indiv
Consul4	Talk Doc last 2 weeks: Heart attack	indiv
Consul5	Talk Doc last 2 weeks: Heart murmur	indiv
Consul6	Talk Doc last 2 weeks: Abnormal heart rhythm	indiv
Consul7	Talk Doc last 2 weeks: Other heart trouble	indiv
Consul8	Talk Doc last 2 weeks: Stroke	indiv
Consul9	Talk Doc last 2 weeks: Diabetes	indiv
LastDoc	When was the last time talked to a doctor (excl hosp).	indiv
ConCon1	Doc consultation not about condition	indiv
ConCon2	Doc consultation about high blood pressure	indiv
ConCon3	Doc consultation about angina	indiv
ConCon4	Doc consultation about heart attack	indiv
ConCon5	Doc consultation about heart murmur	indiv
ConCon6	Doc consultation about abnormal heart rhythm	indiv
ConCon7	Doc consultation about other heart trouble	indiv
ConCon8	Doc consultation about stroke	indiv
ConCon9	Doc consultation about diabetes	indiv
OutPat	Been to hospital in the last 12 months?	indiv
WhyOutp	Was this because of your CVD condition?	indiv
Inpat	Been an inpatient in hospital in last 12 months?	indiv
WhyInp	Was this because of your CVD condition?	indiv

DocTalkN	Whether talked to doctor in last 2 weeks	indiv
DocNumN	Frequency of visits to doctors in last 2 weeks	indiv
LastDocN	Occasion last spoke to doctor	indiv
OutPatN	Whether attended hospital in past year as outpatient	indiv
InPatN	Whether attended hospital in past year as inpatient	indiv
talkdoc	(D) Talked to doctor in last 2 weeks	Derived
talkdoc2	(D) talked to doctor in last 2 weeks – ALL 16+	Derived
numdoc	(D) Number of times talked to doctor in last 2 weeks	Derived
numdocg2	(D) Number GP 2 weeks (grouped)	Derived
numdocg3	(D) Number GP 2 weeks (grouped)	Derived
numyear	(D) Number of GP consultations per year	Derived
numyear2	(D) Number of GP consultations per year - ALL 16+	Derived
inpatnt	(D) In-patient in hospital in last 12 months - ALL	Derived
outpatnt	(D) Out-patient in hospital in last 12 months - ALL	Derived

COPD

COPD	Ever had COPD	indiv
COPDDoct	Was COPD diagnosed by doctor	indiv
COPDSpir	Did doctor do a spirometry test	indiv
COPDTrt	Currently receiving any treatment or advice because of COPD	indiv
COPDOth1	COPD: Regular check-up with GP / hospital / clinic	indiv
COPDOth2	COPD: Taking medication (tablets / inhalers)	indiv
COPDOth3	COPD: Advice or treatment to stop smoking	indiv
COPDOth4	COPD: Using oxygen	indiv
COPDOth5	COPD: Immunisations against flu / pneumococcus	indiv
COPDOth6	COPD: Exercise or physical activity	indiv
COPDOth7	COPD: Advice or treatment to lose weight	indiv
COPDOth8	COPD: Other advice/treatment	indiv
copddef	(D) Doctor diagnosed COPD	Derived
CPDOth1A	(D) CODP - Regular check up - ALL	Derived
CPDOth2A	(D) COPD - Taking medication - ALL	Derived
CPDOth3A	(D) COPD - Advice or treatement to stop smoking - ALL	Derived
CPDOth4A	(D) CODP - Using oxygen - ALL	Derived
CPDOth5A	(D) COPD - Immunisation against flu/pneumonococcus - ALL	Derived
CPDOth6A	(D) COPD - Exercise/physical activity - ALL	Derived
CPDOth7A	(D) COPD - Advice or treatement to lose weight - ALL	Derived
CPDOth8A	(D) COPD – Other - ALL	Derived

Accidents

DrAcc	(VERA) Whether had accident in last 12 months	indiv
NDrAcc	(VERA) Number of accidents in last 12 months	indiv
DrWyr	(VERA) Place of accident	indiv
AxCause1	(VERA) Cause of accident - hit by a falling object	indiv
AxCause2	(VERA) Cause of accident - fall, slip or trip	indiv
AxCause3	(VERA) Cause of accident - road traffic	indiv
AxCause4	(VERA) Cause of accident - sports / recreation	indiv

AxCause5	(VERA) Cause of accident - tool,implement or equipment	indiv
AxCause6	(VERA) Cause of accident - burn / scald	indiv
AxCause7	(VERA) Cause of accident - animal / insect	indiv
AxCause8	(VERA) Cause of accident - another person	indiv
AxCause9	(VERA) Cause of accident - other	indiv
AxCaus10	(VERA) Cause of accident - lifting	indiv
DrJob	(VERA) Whether in paid employment at time of accident	indiv
DrWrk	(VERA) Whether accident happened at work	indiv
InOut	(VERA) Oudoors / indoors accident	indiv
TimeOff	(VERA) Whether needed time off work because of accident	indiv
drinj01	(VERA) Injury - Broken bones	indiv
drinj02	(VERA) Injury - Dislocated joints	indiv
drinj03	(VERA) Injury - Losing consciousness	indiv
drinj04	(VERA) Injury - strain/twist body	indiv
drinj05	(VERA) Injury - cut/graze	indiv
drinj06	(VERA) Injury - bruise/pinch	indiv
drinj07	(VERA) Injury - swelling/tenderness	indiv
drinj08	(VERA) Injury - object stuck in body	indiv
drinj09	(VERA) Injury - Burning or Scalding	indiv
drinj10	(VERA) Injury - Poisoning	indiv
drinj11	(VERA) Injury - internal injury	indiv
drinj12	(VERA) Injury - animal/insct bite/sting	indiv
drinj13	(VERA) Injury - other	indiv
draid01	(VERA) Treatment for injury - hospital	indiv
draid02	(VERA) Treatment for injury - doctor	indiv
draid03	(VERA) Treatment for injury - nurse at GP surgery	indiv
draid04	(VERA) Treatment for injury - nurse at work / school	indiv
draid05	(VERA) Treatment for injury - doctor at work / school	indiv
draid06	(VERA) Treatment for injury - other doctor or nurse	indiv
draid07	(VERA) Treatment for injury - ambulance staff	indiv
draid08	(VERA) Treatment for injury - volunteer first aider	indiv
draid09	(VERA) Treatment for injury - chemist / pharmacist	indiv
draid10	(VERA) Treatment for injury - family/ friends/ colleagues/ passers-by	indiv
draid11	(VERA) Treatment for injury - self	indiv
draid12	(VERA) Treatment for injury - other person(s)	indiv
Prevent1	(VERA) Whether accident could have been prevented by respondent	indiv
Prevent2	(VERA) Whether accident could have been prevented by others	indiv
Prevent3	(VERA) Accident could not have been prevented	indiv
macc	(D) (VERA) Annual major accident rate per 100 persons	Derived
NDrAcc2	(D) (VERA) Number of accidents in last 12 months - grouped	Derived

Sexual activity, orientation and contraceptive use

SXACTIVE	Currently sexually active	SC 16+
MTHCON1	Method of contraception (1)	SC 16+
MTHCON2	Method of contraception (2)	SC 16+

MTHCON3	Method of contraception (3)	SC 16+
NOCON	Main reason does not use contraception	SC 16+
SXORIEN	Sexual orientation	SC 16+
con_none	Not using any contraception	SC 16+
con_mini	Mini pill	SC 16+
con_comb	Combined pill	SC 16+
con_pill	Pill – not sure which	SC 16+
con_mire	Mirena coil (hormone releasing coil)	SC 16+
con_coil	Coil/other device	SC 16+
con_cond	Condom/male sheath/Durex	SC 16+
con_femi	Femidom (female sheath)	SC 16+
con_cap	Cap/diaphragm	SC 16+
con_foam	Foams, gels, sprays, pessaries (spermicides)	SC 16+
con_spon	Contraceptive sponge	SC 16+
con_pers	Persona	SC 16+
con_safe	Safe period/rhythm method (other than Persona)	SC 16+
con_with	Withdrawal	SC 16+
con_inj	Injection	SC 16+
con_impl	Implant	SC 16+
con_emer	Emergency contraception	SC 16+
con_ster	I have been sterilized/My partner has been sterilized	SC 16+
con_nsex	Going without sex	SC 16+
con_oth	Another method of contraception	SC 16+

Physical activity

Note: The physical activity questions for adults were changed in 2008 so that bursts of activity of 10 minutes' duration could be recorded. In the previous surveys the lower cut off was 15 minutes.

Adults: main summary measures

ad10tot	(D) Adults: Occasions 10+min any activities	Derived
ad10tot2	(D) Adults: Occasions 10+min any activities (grouped)	Derived
totany10	(D) All activities - any or none	Derived
hrstot10	(D) Average hours doing all physical activities per week	Derived
hrtotg10	(D) Average hours doing all physical activities per week (grouped)	Derived
adtot10b	(D) Total number of days active 30 mins +, 10-29 min sessions included	Derived
adtot10c	(D) Number of days per week any activities 30 mins +, 10-29 min sessions included	Derived
adt10gp	(D) Summary activity level, 10-29 min sessions included	Derived

Adults: Housework

Housewrk	Any housework in last 4 weeks	indiv
HWrkList	Any housework listed on Card E1	indiv
HevyHWrk	Any heavy housework	indiv
HeavyDay	Number of days done heavy housework in last 4 weeks (30+ mins)	indiv
HRSHHW	Heavy housework: hours	indiv

MINHHW	Heavy housework: minutes	indiv
HWTIM	Heavy housework: hrshhw + minhhw in minutes	indiv
ad10hwk	(D) Adults: Days 10+min heavy housework	Derived
ad10hwk2	(D) Adults: Days 10+min heavy housework (grouped)	Derived
hwkany10	(D) Housework - any or none (10 min)	Derived
hrshwk10	(D) Average hours doing heavy housework per week (10 min)	Derived
hrhwkg10	(D) Average hours doing heavy housework per week (grouped) (10 min)	Derived
adhse10b	(D) Number of days heavy housework 30 mins +, including 10-29 min bouts	Derived

Adults: Manual work

Garden	Gardening/DIY/building work in past 4 weeks	indiv
GardList	Any gardening/DIY/building work listed on Card E3	indiv
ManWork	Any gardening/DIY/building work listed on Card E4 or similar manual work	indiv
ManDays	Number of days done heavy gardening/DIY in last 4 weeks (30+ mins)	indiv
HrsDIY	DIY: Hours	indiv
MinDIY	DIY: Minutes	indiv
DIYTim	DIY: hrsdiy + mindiy in minutes	indiv
ad10man	(D) Adults: Days 10+min heavy manual/DIY	Derived
ad10man2	(D) Adults: Days 10+min heavy manual/DIY (grouped)	Derived
manany10	(D) Heavy manual - any or none (10 min)	Derived
hrsman10	(D) Average hours doing heavy manual per week (10 min)	Derived
hrsmang10	(D) Average hours doing heavy manual per week (grouped) (10 min)	Derived
adman10b	(D) Number of days per week heavy manual 30 mins including 10-29 min bouts	Derived

Adults: Walking

Wlk5Int	Walked continuously for at least 5 minutes in last 4 weeks	indiv
Wlk10M	Walked continuously for at least 10 mins in last 4 weeks	indiv
DayWlk10	How many days of 10 minute walks in last 4 weeks	indiv
Day1Wk10	Whether did more than one 10 minute walk per day	indiv
Day2Wk10	How many days did more than one 10 minute walk per day	indiv
HrsWlk10	Walking hours	indiv
MinWlk10	Walking minutes	indiv
TotTim	Walking: HrsWlk + MinWlk in minutes	indiv
WalkPace	Speed of usual walking pace	indiv
ad10wlk	(D) Adults: Days 10+min brisk walk	Derived
ad10wlk2	(D) Adults: Days 10+min brisk walk (grouped)	Derived
wlkany10	(D) Walking - any or none (10 min)	Derived
WalkNo10	(D) Number of walks of 10 mins+ in last 4 weeks	Derived
hrwalk10	(D) Average hours walking per week brisk or fast (10 min)	Derived
hrswlkg10	(D) Average hours walking per week brisk or fast (grouped) (10 min)	Derived

adwlk10b	(D) Number of days walking 30 mins + fast or brisk, including 10-29 min bouts	Derived

Adults: Work

Work	Whether working in last 4 weeks	indiv
Active	Level of physical activity at work	indiv
workact	(D) Job activity level	Derived
workactg	(D) Job activity level (grouped)	Derived
workd	(D) Occupational activity - days in 4 weeks	Derived
workdc	(D) Occupational activity	Derived

Adults: Sport

ActPhy	Whether done any activities listed on card	indiv
whtact01	Activity: Swimming	indiv
whtact02	Activity: Cycling	indiv
whtact03	Activity: Workout at a gym/Exercise bike/ Weight training	indiv
whtact04	Activity: Aerobics/Keep fit/Gymnastics/ Dance for fitness	indiv
whtact05	Activity: Any other type of dancing	indiv
whtact06	Activity: Running/jogging	indiv
whtact07	Activity: Football/rugby	indiv
whtact08	Activity: Badminton/tennis	indiv
whtact09	Activity: Squash	indiv
whtact10	Activity: Exercises (eg press-ups, sit ups)	indiv
OActQ11	Any other sport or exercise (1)	indiv
OActQ12	Any other sport or exercise (2)	indiv
OActQ13	Any other sport or exercise (3)	indiv
OActQ14	Any other sport or exercise (4)	indiv
OActQ15	Any other sport or exercise (5)	indiv
OActQ16	Any other sport or exercise (6)	indiv
WHTACT11	Other activity code (1)	indiv
WHTACT12	Other activity code (2)	indiv
WHTACT13	Other activity code (3)	indiv
WHTACT14	Other activity code (4)	indiv
WHTACT15	Other activity code (5)	indiv
WHTACT15	Other activity code (6)	indiv
swimocc	How many days swimming?	indiv
swimhrs	Swimming: Hours	indiv
swimmin	Swimming: Minutes	indiv
swimtim	Swimming: swimhr + swimming in minutes.	indiv
swimeff	Swimming - out of breath/sweaty?	indiv
cycleocc	How many days cycling?	indiv
cyclehrs	Cycling: Hours	indiv
cyclemin	Cycling: Minutes	indiv
cycletim	Cycling: cyclehr + cyclemin in minutes.	indiv
cycleeff	Cycling - out of breath/sweaty?	indiv
weighocc	How many days workout?	indiv

weighhrs	Workout: Hours	indiv
weighmin	Workout: Minutes	indiv
weightim	Workout:: weighhr + weighmin in minutes.	indiv
weigheff	Workout - out of breath/sweaty?	indiv
aeroocc	How many days aerobics?	indiv
aerohrs	Aerobics: Hours	indiv
aeromin	Aerobics: Minutes	indiv
aerotim	Aerobics: aerohr + aeromin in minutes.	indiv
aeroeff	Aerobics - out of breath/sweaty?	indiv
danceocc	How many days dancing?	indiv
dancehrs	Dancing: Hours	indiv
dancemin	Dancing: Minutes	indiv
dancetim	Dancing: dancehr + dancemin in minutes.	indiv
danceeff	Dancing - out of breath/sweaty?	indiv
runocc	How many days running?	indiv
runhrs	Running: Hours	indiv
runmin	Running: Minutes	indiv
runtim	Running: runhr + runmin in minutes.	indiv
runeff	Running - out of breath/sweaty?	indiv
ftbllocc	How many days football or rugby?	indiv
ftbllhrs	Football/rugby: Hours	indiv
ftbllmin	Football/rugby: Minutes	indiv
ftblltim	Football/rugby: ftbllhr + ftbllmin in minutes.	indiv
ftblleff	Football/rugby - out of breath/sweaty?	indiv
tennocc	How many days badminton or tennis?	indiv
tennhrs	Badminton/tennis: Hours	indiv
tennmin	Badminton/tennis: Minutes	indiv
tenntim	Badminton/tennis: tennhr + tennmin in minutes.	indiv
tenneff	Badminton/tennis - out of breath/sweaty?	indiv
squasocc	How many days squash?	indiv
squashrs	Squash: Hours	indiv
squasmin	Squash: Minutes	indiv
squastim	Squash: squashr + squasmin in minutes.	indiv
squaseff	Squash - out of breath/sweaty?	indiv
exocc	How many days exercises?	indiv
exhrs	Exercises: Hours	indiv
exmin	Exercises: Minutes	indiv
extim	Exercises: exhr + exmin in minutes.	indiv
exeff	Exercises - out of breath/sweaty?	indiv
actaocc	How many days other activity (1)	indiv
actahrs	Other activity (1): Hours	indiv
actamin	Other activity (1): Minutes	indiv
actatim	Other activity (1) - actahr + actamin in minutes	indiv
actaeff	Other activity (1) - out of breath/sweaty	indiv
actbocc	How many days other activity (2)	indiv
actbhrs	Other activity (2): Hours	indiv
actbmin	Other activity (2): Minutes	indiv
actbtim	Other activity (2) - actbhr + actbmin in minutes	indiv

actbeff	Other activity (2) - out of breath/sweaty	indiv
actcocc	How many days other activity (3)	indiv
actchrs	Other activity (3): Hours	indiv
actcmin	Other activity (3): Minutes	indiv
actctim	Other activity (3) - actchr + actcmin in minutes	indiv
actceff	Other activity (3) - out of breath/sweaty	indiv
actdocc	How many days other activity (4)	indiv
actdhrs	Other activity (4): Hours	indiv
actdmin	Other activity (4): Minutes	indiv
actdtim	Other activity (4) - actdhr + actdmin in minutes	indiv
actdeff	Other activity (4) - out of breath/sweaty	indiv
DayExc15	How many days other activity (5)	indiv
ExcHrs15	Other activity (5): Hours	indiv
ExcMin15	Other activity (5): Minutes	indiv
ExcTim15	Other activity (5) – Exhrs15 + Exmin15 in minutes	indiv
ExcSwt15	Other activity (5) - out of breath/sweaty	indiv
DayExc16	How many days other activity (6)	indiv
ExcHrs16	Other activity (6): Hours	indiv
ExcMin16	Other activity (6): Minutes	indiv
ExcTim16	Other activity (6) – Exhrs15 + Exmin15 in minutes	indiv
ExcSwt16	Other activity (6) - out of breath/sweaty	indiv
ad10spt	(D) Adults: Occasions 10+min sport	Derived
ad10spt2	(D) Adults: Occasions 10+min sport (grouped)	Derived
sptany10	(D) Sports - any or none (10 min)	Derived
hrsspt10	(D) Average hours doing sport per week (10 min)	Derived
hrssptg10	(D) Average hours doing sports per week (grouped) (10 min)	Derived
acta	(D) Other sports intensity	Derived
actb	(D) Other sports intensity	Derived
actc	(D) Other sports intensity	Derived
actd	(D) Other sports intensity	Derived
Adsp10b	(D) Number of occasions sports 30 mins + , including 10-29 min sessions	Derived
whtac01a	(D) Activity: Swimming - ALL 16+	Derived
whtac02a	(D) Activity: Cycling ALL 16+	Derived
whtac03a	(D) Activity: Workout at a gym/Exercise bike/ Weight training ALL 16+	Derived
whtac04a	(D) Activity: Aerobics/Keep fit/Gymnastics/ Dance for fitness ALL 16+	Derived
whtac05a	(D) Activity: Any other type of dancing ALL 16+	Derived
whtac06a	(D) Activity: Running/jogging ALL 16+	Derived
whtac07a	(D) Activity: Football/rugby ALL 16+	Derived
whtac08a	(D) Activity: Badminton/tennis ALL 16+	Derived
whtac09a	(D) Activity: Squash ALL 16+	Derived
whtac10a	(D) Activity: Exercises (eg press-ups, sit ups) ALL 16+	Derived
whtacota	(D) Activity: Any other sport or exercise ALL 16+	Derived
whtacoth	(D) Activity: Any other sport or exercise	Derived

Child physical activity

Note: The children's physical activity questionnaire did not change as much as the adult one. The only major change was the addition of a question about physical activity at school. There are now two sets of summary measures of children's activity: one without school activity and one with the school activity time added. The variables labels state whether school activity has been included.

Children: main summary measures

ch00tot	(D) Children: Days last week all activities - no time limits	Derived
ch00tim	(D) Children: Time last week total activities - no lower limit	Derived
ch00mpd	(D) Children min/day all activities - no lower limit	Derived
ch00mpdg	(D) Children min/day all activities - no lower limit (grouped)	Derived
ch15tot	(D) Children: Days last week 15+min total activities	Derived
ch15totg	(D) Children: Days last week 15+min total activities (grouped)	Derived
ch15tim	(D) Children: Time last week 15+min total activities	Derived
ch15mpd	(D) Children min/day all activities - 15+min	Derived
ch15mpdg	(D) Children min/day all activities - 15+min (grouped)	Derived
ch15sum	(D) Children: Summary classification 15+min activity levels	Derived
ch15sumg	(D) Children: Summary classification 15+min activity levels (grouped)	Derived
ch00sum7	(D) Children: Summary classification activity levels - All activities, no lower limits (all 7 days X 60+mins)	Derived
sprtdays	(D) Number of days sports/exercise (no lower limit)	Derived
ch00sptg	(D) Days last week (no lower limit) sports&exercise (grouped)	Derived
actdays	(D) Number of days active playing (no lower limits)	Derived
ch00plyg	(D) Days last week (no lower limit) active playing (grouped)	Derived
wlkdays	(D) Number of days walking 5mins+	Derived
ch00wlkg	(D) Days last week (5+) mins walking (grouped)	Derived
gardays	(D) Number of days housework/gardening (15+)	Derived
ch00hswg	(D) Days last week (15+) mins housework/gardening (grouped)	Derived
ch00totg	(D) Children: days last week any physical activity (no lower limit) grouped	Derived
ch00totS	(D) Children: Days last week all activities INC SCHOOL - no time limits	Derived
ch00timS	(D) Children: Time last week total activities INC SCHOOL - no lower limit	Derived
ch00mpdS	(D) Children min/day all activities INC SCHOOL - no lower limit	Derived
ch00mpgS	(D) Children min/day all activities - INC SCHOOL no lower limit (grouped)	Derived
c00sum7S	(D) Children: Summary classification activity levels - All activities, INC SCHOOL no lower limits (all 7 days X 60+mins)	Derived

Children: walking

ChSch	Whether child aged 4 is in primary 1	indiv
Wlk5Ch	Child physical activity: Walked at least 5 minutes in last week	indiv
dwlkchb	Child physical activity: Days 5min walks in past week	indiv
DayWlkT	Child physical activity: Time walking past week	indiv
WlkHrs	Child physical activity: Hours walking	indiv
WlkMin	Child physical activity: Minutes walking	indiv
WlkTot	Child physical activity: Wlkhrs + wlkmin in minutes	indiv

ChPace	Child physical activity: Walking pace	indiv
ch15wlkb	(D) Children: Days last week 15+min brisk walk	Derived
ch15wlkg	(D) Children: Days last week 15+min brisk walk (grouped)	Derived

Children: housework or gardening

HWkCh	Child physical activity: Any housework or gardening	indiv
DHWkCh	Child physical activity: Days housework or gardening	indiv
THWk	Child physical activity: Time housework or gardening	indiv
HWkHrs	Child physical activity: Hours housework or gardening	indiv
HWkMin	Child physical activity: Minutes housework or gardening	indiv
HWkTot	Child physical activity: Hwkhrs + hwkmin in minutes	indiv
ch15hwk	(D) Children: Days last week 15+min housewk/gardening	Derived
ch15hwkg	(D) Children: Days last week 15+min housewk/gardening (grouped)	Derived

Children: Sports

spt1ch	Child physical activity: Any sport in last week	indiv
WESpDo	Child physical activity: Any sport at weekend	indiv
dwespch	Child physical activity: Weekend day	indiv
lwesp	Child physical activity: Weekend day time spent	indiv
WeSpH	Child physical activity: Weekend day hours	indiv
WeSpM	Child physical activity: Weekend day minutes	indiv
WeSpT	Child physical activity: Wesph + wespm in minutes	indiv
dayspch	Child physical activity: Week day	indiv
lwksp	Child physical activity: Week day time spent	indiv
WkSpH	Child physical activity: Week day hours	indiv
WkSpM	Child physical activity: Week day minutes	indiv
WkSpT	Child physical activity: Wksph + wkspm in minutes	indiv

Children: Active play

weactch	Child physical activity: Any activities at weekend	indiv
dweactch	Child physical activity: Activities on weekend day	indiv
lweact	Child physical activity: Weekend day activities time spent	indiv
WeActH	Child physical activity: Weekend day activities hours	indiv
WeActM	Child physical activity: Weekend day activities minutes	indiv
WeActT	Child physical activity: Weacth + weactm in minutes	indiv
wkactch	Child physical activity: Any activities on weekday	indiv
lwkact	Child physical activity: Weekday activities time spent	indiv
WkActH	Child physical activity: Weekday activities hours	indiv
WkActM	Child physical activity: Weekday activities minutes	indiv
WkActT	Child physical activity: Wkacth + wkactm in minutes	indiv
DaysTot	Child physical activity: Days of activity in last week	indiv
ch15ply	(D) Children: Days last week 15+min active play	Derived
ch15plyg	(D) Children: Days last week 15+min active play (grouped)	Derived
ch30ply	(D) Children: Days last week 30+min active play	Derived

ch30plyg	(D) Children: Days last week 30+min active play (grouped)	Derived
ch15spt	(D) Children: Days last week 15+min sport	Derived
ch15sptg	(D) Children: Days last week 15+min sport (grouped)	Derived
ch30spt	(D) Children: Days last week 30+min sport	Derived
ch30sptg	(D) Children: Days last week 30+min sport (grouped)	Derived

Children: Sport & active play

ch15act	(D) Children: Days last week 15+min sport+active play	Derived
ch15actg	(D) Children: Days last week 15+min sport+active play (grouped)	Derived
ch30act	(D) Children: Days last week 30+min sport+active play	Derived
ch30actg	(D) Children: Days last week 30+min sport+active play (grouped)	Derived

Children: Activity at school

SchAct	Child physical activity: Any activity at school in last week	indiv
SchDays	Child physical activity: Days activity at school in last week	indiv
SchTime	Child physical activity: Time on activity at school in last week	indiv
SchTmH	Child physical activity: Hours on activity at school in last week	indiv
SchTmM	Child physical activity: Minutes on activity at school in last week	indiv

Children: General

Usual	Child physical activity: Whether level of activity different from usual	indiv

Eating Habits

Note: Some minor changes to question wording or answer categories were made to the eating habits section in 2008. Major changes are indicated by the “08” in the variable name.

usbred08	Type of bread usually eaten	indiv
BrSlice	How many slices or rolls of bread usually eaten on one day	indiv
Milk08	Type of milk usually bought	indiv
AtTable	Whether adds salt at table	indiv
Cereal08	Type of breakfast cereal usually eaten	indiv
Cereals	How often eat breakfast cereal	indiv
Chips	How often eat chips	indiv
Potatoes	How often eat potatoes	indiv
Meat03	How often eat meat	indiv
MeatProd	How often eat meat products (pies, burgers etc)	indiv
Poultry	How often eat poultry	indiv
TFish	How often eat tinned Tuna fish	indiv
WFish03	How often eat white fish	indiv
FshOil03	How often eat oily fish	indiv
Cheese	How often eat cheese	indiv
Confec	How often eat sweets or chocolates	indiv
IceCream	How often eat ice-cream	indiv
Crisps	How often eat crisps	indiv

SoftDr	How often drink soft drinks	indiv
DietDr	How often drink diet/low calorie	indiv
MilkDr	How often drink milk	indiv
Water	How often drink water	indiv
CakesEtc	How often eat cakes, scones or pastries	indiv
Biscuits	How often eat biscuits	indiv
Biscuit	How many biscuits usually eaten on one day	indiv
CakeScon	Number of cakes eaten on one day	indiv
breadt08	(D) Bread type: high fibre / white	Derived
breadall	(D) Combined bread type & volume eaten	Derived
breadV	(D) Volume of bread eaten inc. those who don't eat bread (grouped)	Derived

Fruit and vegetable consumption

Note: This module was asked of all adults and all children aged 2 and over (note that it was restricted to children agd 5+ in 2003).

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
FrtDrk09	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 (1)	indiv
FrtC02	Type of fruit (2)	indiv
FrtC03	Type of fruit (3)	indiv
FrtC04	Type of fruit (4)	indiv
FrtC05	Type of fruit (5)	indiv
FrtC06	Type of fruit (6)	indiv
FrtC07	Type of fruit (7)	indiv
FrtC08	Type of fruit (8)	indiv
FrtQ01	How much of fruit (1) was eaten yesterday?	indiv
FrtQ02	How much of fruit (2) was eaten yesterday?	indiv
FrtQ03	How much of fruit (3) was eaten yesterday?	indiv
FrtQ04	How much of fruit (4) was eaten yesterday?	indiv
FrtQ05	How much of fruit (5) was eaten yesterday?	indiv
FrtQ06	How much of fruit (6) was eaten yesterday?	indiv
FrtQ07	How much of fruit (7) was eaten yesterday?	indiv
FrtQ08	How much of fruit (8) was eaten yesterday?	
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
porlge	(D) Portions of large fruit	Derived
porsml	(D) Portions of small fruit	Derived
poroth	(D) Portion of other size fruit	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
porftvg5	(D) Grouped portions of fruit (inc.OJ) & veg yesterday, 5 a day focus	Derived
porftvg3	(D) Grouped portions of fruit (inc.fruit juice) & veg (5/less than 5/none)	Derived
frtpor2	(D) Portions of fruit (excl. fruit juice)	Derived
frtany	(D) Any fruit (excl. fruit juice)	Derived
vegany	(D) Any veg (incl salad)	Derived
porfrt2	(D) Whether ate any all sized fruit	Derived
porveg2	(D) Whether ate any veg (not salad)	Derived
porjuic2	(D) Whether had any fruit juice	Derived
porpul2	(D) Whether had any pulses	Derived
porsal2	(D) Whether had any salad	Derived
porfroz2	(D) Whether had any frozen or tinned fruit	Derived
porvdis2	(D) Whether had any veg in composites	Derived
porfdis2	(D) Whether had any fruit in composites	Derived
pordry2	(D) Whether had any dried fruit	Derived
vegpor2	(D) Whether had any veg incl salad	Derived
frtpor3	(D) Whether had any fruit incl fruit juice	Derived

Smoking

Note: Most of the smoking data is collected in the CAPI interview from all respondents age 20 and over, and in the young adult self-completion booklet from all 16-17 year olds. 18-19 year olds are given the self-completion booklet at the discretion of the interviewer, otherwise they respond in the CAPI interview.

The common data items from both sources are combined into a single set of variables, however the original variables from each source are also present in the dataset. The list below gives the combined variable for all respondents aged 16 and over, followed (in italics) by the relevant CAPI and young adult self-completion variables.

Also listed are any variables that are asked only in the CAPI progam, or only in the Young Adult self-completion booklet, and any derived variables. Derived variables were created from the combined variables.

Variable lists for SHeS08 and SHeS09 did not show all of these variables

smkevr	Whether ever smoked cigarette/cigar/pipe	indiv/SC YA
SmokEver	(D) Whether ever smoked cigarette/cigar/pipe (CAPI)	indiv
dsmokev8	(D) Whether smoked/cigarette/cigar/pipe (SC)	SC YA
cignow	Whether smoke cigarettes nowadays	indiv/SC YA
SmokeNow	*Whether smoke cigarettes nowadays (CAPI)*	*indiv*
DSmokNow	*Currently smokes cigarettes (SC)*	*SC YA*
cigevr	Whether ever smoked cigarettes	indiv/SC YA
SmokEv08	*Ever smoked cigarettes (CAPI)*	*indiv*
DSmokCig	*Ever smoked cigarettes (SC)*	*SC YA*
cigregs	How frequently used to smoke	indiv/SC YA
SmokeReg	*Whether smoked cigarettes regularly (CAPI)*	*indiv*
DSmokReg	*Whether was regular cigarette smoker (SC)*	*SC YA*
cigwday	Number cigarettes smoke on weekday	indiv/SC YA
DlySmoke	*Number cigarettes smoke on weekday (CAPI)*	*indiv*
DDlySmok	*No. of cigarettes smoked during weekdays(SC)*	*SC YA*
cigwend	Number cigarettes smoke on weekend day	indiv/SC YA
WkndSmok	*Number cigarettes smoke on weekends (CAPI)*	*indiv*
DWkndSmo	*No. of cigarettes smoked during one day at weekend (SC)*	*SC YA*
passmk1	Whether exposed to 2nd hand smoke: at own home	indiv/SC YA
Passive1	*Whether exposed to 2nd hand smoke: at own home(CAPI)*	*indiv*
NoSmoke1	*Whether exposed to 2nd hand smoke: at own home (SC)*	*SC YA*
passmk2	Whether exposed to 2nd hand smoke: at work	indiv/SC YA
Passive2	*Whether exposed to 2nd hand smoke: at work (CAPI)*	*indiv*
NoSmoke2	*Whether exposed to 2nd hand smoke: at work (SC)*	*SC YA*
passmk3	Whether exposed to 2nd hand smoke: other people's home	indiv/SC YA
Passive3	*Whether exposed to 2nd hand smoke: other people's home (CAPI)*	*indiv*
NoSmoke4[1]	*Whether exposed to 2nd hand smoke: other people's home (SC)*	*SC YA*

[1] Option were presented in a different order in the CAPI and self-completion questionnaires

passmk4	Whether exposed to 2nd hand smoke: public transport	indiv/SC YA
Passive4	*Whether exposed to 2nd hand smoke: public transport (CAPI)*	*indiv*
NoSmoke3	*Whether exposed to 2nd hand smoke: public transport (SC)*	*SC YA*
passmk5	Whether exposed to 2nd hand smoke: in pubs	indiv/SC YA
Passive5	*Whether exposed to 2nd hand smoke: in pubs (CAPI)*	*indiv*
NoSmoke5	*Whether exposed to 2nd hand smoke: in pubs (SC)*	*SC YA*
passmk6	Whether exposed to 2nd hand smoke: other public places	indiv/SC YA
Passive6	*Whether exposed to 2nd hand smoke: other public places (CAPI)*	*indiv*
NoSmoke6	*Whether exposed to 2nd hand smoke: other public places (SC)*	*SC YA*
passmk7	Whether exposed to 2nd hand smoke: none of these places	indiv/SC YA
Passive7	*Whether exposed to 2nd hand smoke: none of these places (CAPI)*	*indiv*
NoSmoke7	*Whether exposed to 2nd hand smoke: none of these places (SC)*	*SC YA*
bothersm	Does passive smoking bother you?	indiv/SC YA
Bother	*Does passive smoke bother informant (CAPI)*	*indiv*
BothSmo	*Does passive smoke bother you (SC)*	*SC YA*
cigst1	(D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current	Derived
rcigst1	(D) Cigarette Smoking Status - Never &Ex-occ/Ex-reg/Current	Derived
cigst2	(D) Cigarette Smoking Status - Banded current smokers	Derived
cigdyal	(D) Number of cigarettes smoke a day - inc. non-smokers	Derived
cigst3	(D) Cigarette smoking status - 3 categories	Derived
cigst4	(D) Current cigarette smoker or not	Derived
whensadv	(D) When advice given - includes received no advice	Derived
longstop	(D) How long since stopped smoking - grouped	Derived
psmkhm	(D) Ever exposed to passive smoke in own or others home	Derived
psmkpp	(D) Ever exposed to passive smoke in any public place	Derived
whstop	(D) Length of time since stopped regular smoking	Derived
SmokEv09	Ever smoked cigars (CAPI)	indiv
SmokEv10	Ever smoked a pipe (CAPI)	indiv
SmokEv11	Never smoked (CAPI)	indiv
StartSmk	Age when started smoking	indiv
DlyEst	Weekdays tobacco grams or oz	indiv
DlyG	Amount of tobacco smoked on weekdays in grams	indiv
DlyOz	Amount of tobacco smoked on weekdays in ounces	indiv
WkndEst	Weekends tobacco grams or oz	indiv
WkndG	Amount of tobacco smoked on weekends in grams	indiv
WkndOz	Amount of tobacco smoked on weekends in ounces	indiv
StopWant	Whether wants to give up smoking	indiv
NumSmok	How many cigarettes used to smoke	indiv
NumEst	Tobacco used to smoke grams or ounces	indiv
NumG	Amount of tobacco used to smoke in grams	indiv
NumOz	Amount of tobacco used to smoke in ounces	indiv
SmokYrs	No. of years smoked	indiv
EndSmoke	Years since stopped smoking	indiv
LongEnd	Months since stopped smoking	indiv
drsmoke	Whether medical practitioner advised to stop smoking	indiv

drsmoke1	How long ago advised to stop smoking	indiv
SmokStop	Number of times tried to stop smoking	indiv
DSMKE081	Ever smoked cigar (SC)	SC YA
DSMKE082	Ever smoked pipe (SC)	SC YA
DSMKE083	Never smoked cigar or pipe (SC)	SC YA
DCigAge	Age first tried a cigarette	SC YA

Drinking

Note: The method of estimating units of alcohol from the volumes consumed by participants underwent a major change in 2008. Please see the alcohol chapter in the 2008 main report for details of these changes before carrying out analyses that aim to compare trends over time. The new method has also been applied retrospectively to the 2003 data (see here for the report of this process). The revised 2003 will be lodged with the Data Archive in 2010; users affected by this change can also contact ScotCen directly for more information (shesdata@scotcen.org.uk).

From 2008 onwards additional questions about wine glass sizes are being asked to help estimate this consumption more accurately. These are also explained in full in the 2008 main report and in the interview documentation accompanying the dataset.

Most of the drinking data is collected in the CAPI interview from all respondents age 20 and over, and in the young adult self-completion booklet from all 16-17 year olds. 18-19 year olds are given the self-completion booklet at the discretion of the interviewer, otherwise they respond in the CAPI interview. Questions on problem drinking are asked in the self-completion booklet for both young adults and adults.

The common data items from both sources are combined into a single set of variables, however the original variables from each source are also present in the dataset. The list below gives the combined variable for all respondents aged 16 and over, followed (in italics) by the relevant CAPI and young adult self-completion variables.

Also listed are any variables that are asked only in the CAPI progam, or only in the Young Adult self-completion booklet, and any derived variables.

General

dnnow	Whether drinks nowadays	indiv/SC YA
Drink	*Whether drinks nowadays (CAPI)*	*indiv*
DDrink	*Whether drinks nowadays (SC)*	*SC YA*
dnany	Whether drinks occasionally or never drinks	indiv/SC YA
DrinkAny	*Whether drinks occasionally or never drinks (CAPI)*	*indiv*
DDrinkan	*Whether drinks occasionally or never (SC)*	*SC YA*
dnevr	Whether always non-drinker	indiv/SC YA
AlwaysTT	*Whether always non-drinker (CAPI)*	*indiv*
DAlwayTT	*Always non-drinker or stopped (SC)*	*SC YA*
DrkWher1	Where drink most alcohol	indiv/SC YA
DrWher1	*Where drink most alcohol (CAPI)*	*indiv*
DDRWR08	*Where drink most alcohol (SC)*	*SC YA*
DrkWher2	Where drink next most alcohol	indiv/SC YA
DRWher2	*Where drink next most alcohol (CAPI)*	*indiv*
DDRWR208	*Where drink next most alcohol (SC)*	*SC YA*
Drnkwth1	Who drinks most alcohol with	indiv/SC YA

DrWith1	*Who drink most alcohol with (CAPI)*	*indiv*
DDRWT08	*Who drink most alcohol with (SC)*	*SC YA*
Drnkwth2	Who drinks next most alcohol with	indiv/SC YA
DrWith2	*Who drink next most alcohol with (CAPI)*	*indiv*
DDRWT208	*Who drink next most alcohol with (SC)*	*SC YA*
DCUT	Felt need to cut down drinking	SC (all 16+)
DGUILT	Felt guilty about drinking	SC (all 16+)
DCRITIC	Been criticised for drinking	SC (all 16+)
DSHAKES	Had shakes due to drinking	SC (all 16+)
DNERVES	Has drunk to steady nerves	SC (all 16+)
DUNABLE	Felt unable to stop drinking	SC (all 16+)
DRUNK1	Been drunk at least once a week in last 3 weeks	SC (all 16+)
DRUNK2	Been slightly/very drunk in last 3 months	SC (all 16+)
DTIMES	No. times been slightly/very drunk in last 3 months	SC (all 16+)
cagetot	(D) CAGE: Number of drinking problems experienced	Derived
probdrnk	(D) CAGE: Problem Drinker	Derived
probdrk2	(D) CAGE: Problem Drinker	Derived
phys	(D) CAGE: Number of physical dependency problems experienced	Derived
phys2	(D) CAGE: 1 or more physical dependency problems	Derived
drunken	(D) Drunkenness in last 3 months	Derived
drunkt	(D) Drunk at least once a week in last 3 months	Derived
cage2pr	(D) CAGE Banded	Derived
alclimLW	(D) Whether exceeding daily government recommendations on alcohol consumption	Derived
alclim	(D) Whether exceeding government recommendations on alcohol consumption	Derived
DrAmount	Drink now compared to 5 years ago (CAPI)	indiv
DDrkAg08	Age first alcoholic drink (SC)	SC YA

Drinking in the last 12 months

nberf	Frequency drank normal beer last 12 mths	indiv/SC YA
NBeer	*How often drunk normal strength beer in past year (CAPI)*	*indiv*
DNBeer	*Frequency drank normal strength beer etc in past year (SC)*	*SC YA*
sberf	Frequency drank strong beer last 12 mths	indiv/SC YA
SBeer	*How often drunk strong beer in past year (CAPI)*	*indiv*
DSBeer	*Frequency drank strong beer etc in past year (SC)*	*SC YA*
spirf	Frequency drank spirits last 12 mths	indiv/SC YA
Spirits	*How often drunk spirits in past year (CAPI)*	*indiv*
DSpirits	*Frequency drank spirits in last 12 months (SC)*	*SC YA*
sherf	Frequency drank sherry last 12 mths	indiv/SC YA
Sherry	*How often drunk sherry in past year (CAPI)*	*indiv*
DShery08	*Frequency drank sherry/Buckfast in last 12 months (SC)*	*SC YA*
winef	Frequency drank wine last 12 mths	indiv/SC YA
Wine	*How often drunk wine in past year (CAPI)*	*indiv*
DWine08	*Frequency drank wine in last 12 months (SC)*	*SC YA*
popsf	Frequency drank alcopops last 12 mths	indiv/SC YA
Pops03	*How often drunk alcopops in past year (CAPI)*	*indiv*

DPops08	*Frequency drank alcoholic soft drinks in past year (SC)*	*SC YA*
dnoft	Freq of drinking over last 12 months (all types of alcoholic drinks)	indiv/SC YA
DrinkOft	*Freq of drinking over last 12 months (all types of alcoholic drinks)*	*indiv*
DDrinkOf	*Freq of drinking over last 12 months (all types of alcoholic drinks) (SC)*	*SC YA*
nberqhp	Amount of normal beer (half-pints) usually drank/day	indiv/SC YA
NBeerQ1	*Amount of normal beer drunk on one day (half pints) (CAPI)*	*indiv*
DNBeerQ0	*Amount of normal beer etc on one day (pints) (SC)*	*SC YA*
sberqhp	Amount of strong beer (half-pints) usually drank/day	indiv/SC YA
SBeerQ1	*Amount of strong beer drunk on one day (half pints) (CAPI)*	*indiv*
DSBeerQ0	*Amount of strong beer etc on one day (pints) (SC)*	*SC YA*
nberqsm	Amount normal beer (small cans/bottles) usually drank/day	indiv/SC YA
NBeerQ2	*Amount of normal beer drunk on one day (small cans) (CAPI)*	*indiv*
DNBeerQ3	*Amount of normal beer etc on one day (small cans or bottles) (SC)*	*SC YA*
nberqlg	Amount normal beer (large cans/bottles) usually drank/day	indiv/SC YA
NBeerQ3	*Amount of normal beer drunk on one day (large cans) (CAPI)*	*indiv*
DNBeerQ2	*Amount of normal beer etc on one day (large cans or bottles) (SC)*	*SC YA*
sberqsm	Amount strong beer (small cans/bottles) usually drank/day	indiv/SC YA
SBeerQ2	*Amount of strong beer drunk on one day (small cans) (CAPI)*	*indiv*
DSBeerQ3	*Amount of strong beer etc on one day (small cans or bottles) (SC)*	*SC YA*
sberqlg	Amount strong beer (large cans/bottles) usually drank/day	indiv/SC YA
SBeerQ3	*Amount of strong beer drunk on one day (large cans) (CAPI)*	*indiv*
DSBeerQ2	*Amount of strong beer etc on one day (large cans or bottles) (SC)*	*SC YA*
spirqme	Amount spirits (measures) usually drank/day	indiv/SC YA
SpiritsQ	*Number of single shots of spirits drunk on one day (CAPI)*	*indiv*
DSpiritQ	*Amount of spirits usually drank in one day (singles) (SC)*	*SC YA*
sherqgs	Amount sherry (glasses) usually drank/day	indiv/SC YA
SherryQ	*Number of glasses sherry drunk on one day (CAPI)*	*indiv*
DShryQ08	*Amount of sherry/Buckfast usually drank in one day (glasses) (SC)*	*SC YA*
win250g	Amount wine (250 ml glasses) usually drank/day	indiv/SC YA
Q250Glz	*Number of large glasses (250ml) of wine usually drunk (CAPI)*	*indiv*
DWin08Q0	*Amount of wine usually drank in one day (250ml glasses) (SC)*	*SC YA*
win175g	Amount wine (175 ml glasses) usually drank/day	indiv/SC YA
Q175Glz	*Number of standard glasses (175ml) of wine usually drunk (CAPI)*	*indiv*
DWin08Q2	*Amount of wine usually drank in one day (175ml glasses) (SC)*	*SC YA*
win125g	Amount wine (125 ml glasses) usually drank/day	indiv/SC YA
Q125Glz	*Number of small glasses (125ml) of wine usually drunk (CAPI)*	*indiv*
DWin08Q3	*Amount of wine usually drank in one day (125ml glasses) (SC)*	*SC YA*
win125b	Amount of wine (125 ml glasses from bottles) usually drank/day	indiv/SC YA
WQBt	*Number of 125 ml glasses (from bottles) drunk on one day (CAPI)*	*indiv*

DWin08Q4	*Amount of wine usually drank in one day (bottles) (SC)*	*SC YA*
popsqsc	Amount alcopops (small cans) usually drank/day	indiv/SC YA
PopsQ031	*Amount of alcopops drunk on one day (small cans) (CAPI)*	*indiv*
DPop08Q0	*Amount of alcoholic soft drinks in one day (small cans) (SC)*	*SC YA*
popsqsb	Amount alcopops (275 ml bottles) usually drunk/day	indiv/SC YA
PopsQ032	*Amount of alcopops drunk on one day (275 ml bottles) (CAPI)*	*indiv*
DPop08Q2	*Amount of alcoholic soft drinks in one day (275ml bottles) (SC)*	*SC YA*
popsqlb	Amount alcopops (750 ml bottles) usually drunk/day	indiv/SC YA
PopsQ033	*Amount of alcopops drunk on one day (700 ml bottles) (CAPI)*	*indiv*
DPop08Q3	*Amount of alcoholic soft drinks in one day (700ml bottles) (SC)*	*SC YA*
nberwu	(D) Units of normal beer/week	Derived
sberwu	(D) Units of strong beer/week	Derived
spirwu	(D) Units of spirits/week	Derived
sherwu	(D) Units of sherry/week	Derived
winewu	(D) Units of wine/week	Derived
popswu	(D) Units of alcopops/week	Derived
drating	(D) Total Units of alcohol/week	Derived
alcbase	(D) Alcohol consumption rating units/week	Derived
alcbsmt	(D) Alcohol consumption: men	Derived
alcbswt	(D) Alcohol consumption: women	Derived
alcbsmt2	(D) Alcohol consumption:men (never/ex/low combined)	Derived
alcbswt2	(D) Alcohol consumption:women (never/ex/low combined)	Derived
overlim	(D) Drinking in relation to weekly limits	Derived
drnkoft1	(D) Frequency of drinking alcohol (ALL 16+)	Derived
NBeerM1	Quantity of normal beer drunk in past year: Half pints (CAPI)	indiv
NBeerM2	Quantity of normal beer drunk in past year: Small cans (CAPI)	indiv
NBeerM3	Quantity of normal beer drunk in past year: Large cans (CAPI)	indiv
NBeerM4	Quantity of normal beer drunk in past year: Bottles (CAPI)	indiv
nberqbt	Amount of normal beer drunk on one day (bottles) (CAPI)	indiv
NCodeEq	Pint equivalent of normal beer bottles (CAPI)	indiv
SBeerM1	Quantity of strong beer drunk in past year: Half pints (CAPI)	indiv
SBeerM2	Quantity of strong beer drunk in past year: Small cans (CAPI)	indiv
SBeerM3	Quantity of strong beer drunk in past year: Large cans (CAPI)	indiv
SBeerM4	Quantity of strong beer drunk in past year: Bottles (CAPI)	indiv
SBeerQ4	Amount of strong beer drunk on one day (bottles) (CAPI)	indiv
SCodeEq	Pint equivalent of strong beer bottles (CAPI)	indiv
WineQ	Measure respondent used for wine consumption (CAPI)	indiv
WQGl	Number of glasses any size (as glasses) drunk on one day (CAPI)	indiv
WQGlz1	Whether usually drank wine from 250 ml glasses (CAPI)	indiv
WQGlz2	Whether usually drank wine from 175 ml glasses (CAPI)	indiv
WQGlz3	Whether usually drank wine from 125 ml glasses (CAPI)	indiv
PopsM031	Whether usually drank small cans of alcopops (CAPI)	indiv
PopsM032	Whether usually drank standard (275ml) bottles of alcopops (CAPI)	indiv
PopsM033	Whether usually drank large (700 ml) bottles of alcopops (CAPI)	indiv

Drinking in the last 7 days

d7day	Whether had drink in last 7 days	indiv/SC YA
DrinkL7	*Whether had drink in last 7 days (CAPI)*	*indiv*
DDrinkL7	*Alcoholic drink in last 7 days (SC)*	*SC YA*
d7many	How many days in last 7 had a drink	indiv/SC YA
DrnkDay	*How many days in last 7 had a drink (CAPI)*	*indiv*
DDrnkDay	*Number of days in last 7 had alcoholic drink (SC)*	*SC YA*
d7typ1	Heaviest day: Normal Beer	indiv/SC YA
drnkty01	*Normal strength beer/lager/cider/shandy in last 7 days (CAPI)*	*indiv*
DDkTyp1	*Normal strength beer in last 7 days (SC)*	*SC YA*
d7typ2	Heaviest day: Strong Beer	indiv/SC YA
drnkty02	*Strong beer/lager/cider/shandy in last 7 days (CAPI)*	*indiv*
DDkTyp2	*Strong beer in last 7 days (SC)*	*SC YA*
d7typ3	Heaviest day: Spirits	indiv/SC YA
drnkty03	*Spirits or liqueurs in last 7 days (CAPI)*	*indiv*
DDkTyp3	*Spirits in last 7 days (SC)*	*SC YA*
d7typ4	Heaviest day: Sherry	indiv/SC YA
drnkty04	*Sherry/Martini/Buckfast in last 7 days (CAPI)*	*indiv*
DDkTyp4	*Sherry/Buckfast in last 7 days (SC)*	*SC YA*
d7typ5	Heaviest day: Wine	indiv/SC YA
drnkty05	*Wine in last 7 days (CAPI)*	*indiv*
DDkTyp5	*Wine in last 7 days (SC)*	*SC YA*
d7typ6	Heaviest day: Alcopops	indiv/SC YA
drnkty06	*Alcopops/pre-mixed drinks in last 7 days (CAPI)*	*indiv*
DDkTyp6	*Alcopops in last 7 days (SC)*	*SC YA*
nberqhp7	Amount of normal beer (half-pints) on heaviest day	indiv/SC YA
NBrL7Q1	*Amount normal beer (1/2 pints) on heaviest day (CAPI)*	*indiv*
DNBL7Q0	*Amount of normal beer etc on day drank most (half-pints) (SC)*	*SC YA*
nberqsm7	Amount normal beer (small cans/bottles) on heaviest day	indiv/SC YA
NBrL7Q2	*Amount normal beer (small cans) on heaviest day (CAPI)*	*indiv*
DNBL7Q3	*Amount of normal beer etc on day drank most (small cans or bottles) (SC)*	*SC YA*
nberqlg7	Amount normal beer (large cans/bottles) on heaviest day	indiv/SC YA
NBrL7Q3	*Amount normal beer (large cans) on heaviest day (CAPI)*	*indiv*
DNBL7Q2	*Amount of normal beer etc on day drank most (large cans or bottles) (SC)*	*SC YA*
sberqhp7	Amount of strong beer (half-pints) on heaviest day	indiv/SC YA
SBrL7Q1	*Amount strong beer (1/2 pints) on heaviest day (CAPI)*	*indiv*
DSBL7Q0	*Amount of strong beer etc on day drank most (half-pints) (SC)*	*SC YA*
sberqsm7	Amount strong beer (small cans/bottles) on heaviest day	indiv/SC YA
SBrL7Q2	*Amount strong beer (small cans) on heaviest day (CAPI)*	*indiv*
DSBL7Q3	*Amount of strong beer etc on day drank most (small cans or bottles) (SC)*	*SC YA*
sberqlg7	Amount strong beer (large cans/bottles) on heaviest day	indiv/SC YA
SBrL7Q3	*Amount strong beer (large cans) on heaviest day (CAPI)*	*indiv*
DSBL7Q2	*Amount of strong beer etc on day drank most (large cans or bottles) (SC)*	*SC YA*
spirqme7	Amount spirits (measures) on heaviest day	indiv/SC YA
SpirL7	*Amount of spirits (single shots) on heaviest day (CAPI)*	*indiv*

DSpirL7Q	*Amount spirits (measures) on heaviest day (SC)*	*SC YA*
sherqgs7	Amount sherry (glasses) on heaviest day	indiv/SC YA
ShryL7	*Amount of sherry (glasses) on heaviest day (CAPI)*	*indiv*
DSR08L7Q	*Amount of sherry/buckfast on day drank most (glasses) (SC)*	*SC YA*
w250gl7	Amount wine (250 ml glasses) on heaviest day	indiv/SC YA
ml250Glz	*Amount of wine (250ml glasses) on heaviest day (CAPI)*	*indiv*
DW08L7Q0	*Amount of wine on day drank most (250 ml glasses) (SC)*	*SC YA*
w175gl7	Amount wine (175 ml glasses) on heaviest day	indiv/SC YA
ml175Glz	*Amount of wine (175ml glasses) on heaviest day (CAPI)*	*indiv*
DW08L7Q2	*Amount of wine on day drank most 175 ml glasses) (SC)*	*SC YA*
w125gl7	Amount wine (125 ml glasses) on heaviest day	indiv/SC YA
ml125Glz	*Amount of wine (125ml glasses) on heaviest day (CAPI)*	*indiv*
DW08L7Q3	*Amount of wine on day drank most (125ml glasses) (SC)*	*SC YA*
w125bl7	Amount wine (125 ml glasses from bottles) on heaviest day	indiv/SC YA
WL7Bt	*Number of 125 ml glasses (from bottles) drunk on heaviest day (CAPI)*	*indiv*
DW08L7Q4	*Amount of wine on day drank most (bottles) (SC)*	*SC YA*
popscl7	Amount alcopops (small cans) on heaviest day	indiv/SC YA
PopsL7Q1	*Amount of alcopops (small cans) on heaviest day (CAPI)*	*indiv*
DP08L7Q0	*Amount of alcopops on day drank most (small cans) (SC)*	*SC YA*
popsbl7	Amount alcopops (275 ml bottles) on heaviest day	indiv/SC YA
PopsL7Q2	*Amount of alcopops (275ml bottles) on heaviest day (CAPI)*	*indiv*
DP08L7Q2	*Amount of alcopops on day drank most (275ml bottles) (SC)*	*SC YA*
poplbl7	Amount alcopops (700 ml bottles) on heaviest day	indiv/SC YA
PopsL7Q3	*Amount of alcopops (700ml bottles) on heaviest day (CAPI)*	*indiv*
DP08L7Q3	*Amount of alcopops on day drank most (700ml bottles) (SC)*	*SC YA*
d7ut08	(D) Units drunk on heaviest day in last 7 (revised wine & alcopops)	Derived
d7ut08g	(D) Units drunk on heaviest day in last 7 (revised wine & alcopops)	Derived
d7ut08_2	(D) Units drunk on heaviest day in last 7 (revised wine & alcopops) - ALL 16	Derived
d7ut08g_2	(D) Units drunk on heaviest day in last 7 (revised wine & alcopops) - ALL 16+	Derived
dlimtm4	(D) Heaviest day - over daily limit - men - More than 4 units	Derived
dlimtw3	(D) Heaviest day - over daily limit - women - More than 3 units	Derived
dlimtw6	(D) Heaviest day - over daily limit - women - More than 6 units	Derived
dlimtm8	(D) Heaviest day - over daily limit - men - More than 8 units	Derived
dlimt4v2	(D) Heaviest day - over daily limit - men - More than 4 units - ALL 16+	Derived
dlimt3v2	(D) Heaviest day - over daily limit - women - More than 3 units - ALL 16+	Derived
dlimt6v2	(D) Heaviest day - over daily limit - women - More than 6 units - ALL 16+	Derived
dlimt8v2	(D) Heaviest day - over daily limit - men - More than 8 units - ALL 16+	Derived
ovlimLW	(D) Whether drank over recommended limits in last week	Derived
olimLWa	(D) Drinking over (3/4) units in day (includes non-drinkers)	Derived
olimLWb	(D) Drinking over (6/8) units in day (includes non-drinkers)	Derived
drkcat	(D) weekly drinking category	Derived
drkcat_200	(D) Weekly drinking category - excluding cases over 200 units	Derived

drkcat3	(D) Weekly drinking category - 3 categories (non/moderate/ hazardous or harmful)	Derived
DrnkSame	Whether drank more on a particular in last 7 days (CAPI)	indiv
WhichDay	Which day drank most in last 7 (CAPI)	indiv
drnkty07	Other alcoholic drinks in last 7 days (CAPI)	indiv
drnkty08	Low alcohol drinks in last 7 days (CAPI)	indiv
NBrL71	Heaviest day normal beer: Half pints (CAPI)	indiv
NBrL72	Heaviest day normal beer: Small cans (CAPI)	indiv
NBrL73	Heaviest day normal beer: Large cans (CAPI)	indiv
NBrL74	Heaviest day normal beer: Bottles (CAPI)	indiv
NBrL7Q4	Amount normal beer (bottles) on heaviest day (CAPI)	indiv
L7NCodEq	Normal beer bottle size (pint equiv) - heaviest day (CAPI)	indiv
SBrL71	Heaviest day strong beer: Half pints (CAPI)	indiv
SBrL72	Heaviest day strong beer: Small cans (CAPI)	indiv
SBrL73	Heaviest day strong beer: Large cans (CAPI)	indiv
SBrL74	Heaviest day strong beer: Bottles (CAPI)	indiv
SBrL7Q4	Amount STRONG beer (bottles) on heaviest day (CAPI)	indiv
L7SCodEq	Strong beer bottle size (pint equiv) - heaviest day (CAPI)	indiv
WineL7	Wine on heaviest day - measure used (CAPI)	indiv
WL7Gl	Number of glasses any size (as glasses) drunk on heaviest day (CAPI)	indiv
WL7Glz1	Heaviest day wine: 250ml glasses (CAPI)	indiv
WL7Glz2	Heaviest day wine: 175ml glasses (CAPI)	indiv
WL7Glz3	Heaviest day wine: 125ml glasses (CAPI)	indiv
PopsL71	Heaviest day alcopops: small cans (CAPI)	indiv
PopsL72	Heaviest day alcopops: 275ml bottles (CAPI)	indiv
PopsL73	Heaviest day alcopops: 700ml bottles (CAPI)	indiv

Multiple risk factors

Note: new derived variables in 2010

mrfcig	(D) Binary cig smoking var for multiple risk factor analysis	Derived
mrfalc	(D) Binary alcohol consumption var for multiple risk factor analysis (weekly/daily drinking)	Derived
mrfdiet	(D) Binary fruit/veg consumption var for multiple risk factor analysis	Derived
mrfphys	(D) Binary physical activty var for multiple risk factor analysis	Derived
mrfbmi	(D) Binary BMI var for multiple risk factor analysis	Derived
mrfmis	(D) Number of missing data items across 5 risk factors	Derived
multrisk	(D) Number of multiple risk factors (0-5)	Derived

Dental health

NatTeeth	Number of natural teeth (including crowns)	indiv
TthApp	How happy or unhappy with the appearance of teeth	indiv
TthPain	Any toothache or pain in mouth within last month/at present	indiv
TthProb	A problems or difficulties biting or chewing food	indiv
GumBld	Do gums bleed when eat, brush your teeth or floss	indiv
DenTreat	Would need treatment if went to dentist tomorrow	indiv

Denture	Ever had any kind of denture	indiv
DenType1	Denture type: full upper	indiv
DenType2	Denture type: full lower	indiv
DenType3	Denture type: partial upper	indiv
DenType4	Denture type: partial lower	indiv
DenWear1	Whether wears full upper denture	indiv
DenWear2	Whether wears full lower denture	indiv
DenWear3	Whether wears partial upper denture	indiv
DenWear4	Whether wears partial lower denture	indiv
natthg	(D) Number of natural teeth (grouped)	Derived
TeethTyp	(D) Natural teeth vs denture	Derived
tthapp1	(D) Happy with teeth (all 16+)	Derived
Tthpain1	(D) Toothache/mouth pain in last month (all 16+)	Derived
GumBld1	(D) Gum bleeding (all 16+)	Derived
TthProb1	(D) Problem biting/chewing food (all 16+)	Derived
DenTreat1	(D) Thinks would need dental treatment (all 16+)	Derived

Dental services

DentVst	(VERA) About how long ago was last visit to the dentist	indiv
DentNHS	(VERA) Treatment on the NHS or was it pivate	indiv
DentFeel	(VERA) How feel about visiting the dentist	indiv
DentProb	(VERA) Prob visiting dentist: Difficulty in getting time off work	indiv
DentPro2	(VERA) Prob visiting dentist: Difficulty in getting an appointment that suits	indiv
DentPro3	(VERA) Prob visiting dentist: Dental treatment too expensive	indiv
DentPro4	(VERA) Prob visiting dentist: Long way to go to the dentist	indiv
DentPro5	(VERA) Prob visiting dentist: I have not found a dentist I like	indiv
DentPro6	(VERA) Prob visiting dentist: I cannot get dental treatment under the NHS	indiv
DentPro7	(VERA) Prob visiting dentist: I have difficulty in getting access, e.g. steps, wheelchair access	indiv
DentPro8	(VERA) Prob visiting dentist: Other	indiv
DentPro9	(VERA) Prob visiting dentist: None of these reasons	indiv
DentHlt1	(VERA) Dental & oral health: Brush teeth with fluoride toothpaste	indiv
DentHlt2	(VERA) Dental & oral health: Use dental floss	indiv
DentHlt3	(VERA) Dental & oral health: Use a mouth rinse	indiv
DentHlt4	(VERA) Dental & oral health: Restrict my intake of sugary foods and drinks	indiv
DentHlt5	(VERA) Dental & oral health: Clean dentures	indiv
DentHlt6	(VERA) Dental & oral health: Leave dentures out at night	indiv
DentHlt7	(VERA) Dental & oral health: None of these	indiv
denptot	(D) (VERA) Number of problems with dentist visits mentioned	Derived
denptotg	(D) (VERA) Number of problems with dentist visits mentioned (grouped)	Derived
denhtot	(D) (VERA) Number of dental health improvements mentioned	Derived
denhtotg	(D) (VERA) Number of dental health improvements mentioned (grouped)	Derived

Social capital

PTrust	(VERA) Whether people can be trusted	indiv
NTrust	(VERA) Whether people in neighbourhood can be trusted	indiv
Involve	(VERA) How involved feel in the local community	indiv
Particip	(VERA) To what extent can influence decisions affecting local area	indiv
Contact	(VERA) How often personally contact your relatives, friends or neighbours	indiv
PCrisis	(VERA) How many people could turn to for comfort and support	indiv
Involve2	(D) (VERA) How involved feel in the local community	Derived
Particip2	(D) (VERA) Can influence decisions re local area	Derived
Contact2	(D) (VERA) How often contact relatives/friends etc.	Derived
PCrisis2	(D) (VERA) How many people can turn to for support	Derived

Discrimination and harassment

Disc1	(VERA) Discrimination: Accent	indiv
Disc2	(VERA) Discrimination: Ethnicity	indiv
Disc3	(VERA) Discrimination: Age	indiv
Disc4	(VERA) Discrimination: Language	indiv
Disc5	(VERA) Discrimination: Colour	indiv
Disc6	(VERA) Discrimination: Nationality	indiv
Disc7	(VERA) Discrimination: Mental Ill-lealth	indiv
Disc8	(VERA) Discrimination: Other health prob/disability	indiv
Disc9	(VERA) Discrimination: Sex	indiv
Disc10	(VERA) Discrimination: Religious beliefs/faith	indiv
Disc11	(VERA) Discrimination: Sexual orientation	indiv
Disc12	(VERA) Discrimination: Where live	indiv
Disc13	(VERA) Discrimination: Other	indiv
Disc14	(VERA) Discrimination: Not experienced	indiv
Harass1	(VERA) Harassment: Accent	indiv
Harass2	(VERA) Harassment: Ethnicity	indiv
Harass3	(VERA) Harassment: Age	indiv
Harass4	(VERA) Harassment: Language	indiv
Harass5	(VERA) Harassment: Colour	indiv
Harass6	(VERA) Harassment: Nationality	indiv
Harass7	(VERA) Harassment: Mental Ill-lealth	indiv
Harass8	(VERA) Harassment: Other health prob/disability	indiv
Harass9	(VERA) Harassment: Sex	indiv
Harass10	(VERA) Harassment: Religious beliefs/faith	indiv
Harass11	(VERA) Harassment: Sexual orientation	indiv
Harass12	(VERA) Harassment: Where live	indiv
Harass13	(VERA) Harassment: Other	indiv
Harass14	(VERA) Harassment: Not experienced	indiv
DiscHar1	(D) (VERA) Discrim/Harrass: Accent	Derived
DiscHar2	(D) (VERA) Discrim/Harrass: Ethnicity	Derived
DiscHar3	(D) (VERA) Discrim/Harrass: Age	Derived
DiscHar4	(D) (VERA) Discrim/Harrass: Language	Derived
DiscHar5	(D) (VERA) Discrim/Harrass: Colour	Derived

DiscHar6	(D) (VERA) Discrim/Harrass: Nationality	Derived
DiscHar7	(D) (VERA) Discrim/Harrass: Mental Ill-health	Derived
DiscHar8	(D) (VERA) Discrim/Harrass: Other health prob/disability	Derived
DiscHar9	(D) (VERA) Discrim/Harrass: Sex	Derived
DiscHar10	(D) (VERA) Discrim/Harrass: Religious beliefs/faith	Derived
DiscHar11	(D) (VERA) Discrim/Harrass: Sexual orientation	Derived
DiscHar12	(D) (VERA) Discrim/Harrass: Where live	Derived
DiscHar13	(D) (VERA) Discrim/Harrass: Other	Derived
DiscHar14	(D) (VERA) Neither discriminated nor harassed in last 12 months	Derived
DiscAny	(D) (VERA) Unfairly treated/discriminated against in last 12 months for any of reasons listed	Derived
HarasAny	(D) (VERA) Harassed in last 12 months for any of reasons listed	Derived

Employment Status

hrpactiv	HRP: what doing in last week	hhold
HStWork	HRP: any paid work in the seven days as an employee or self-employed?	hhold
H4WkLook	HRP: looking for any paid work or Government training scheme in last 4 weeks	hhold
H2WkStrt	HRP:able to start job/Govt traning within two weeks?	hhold
hrpeverj	HRP: ever been in paid employment or self-employed?	hhold
HOthPaid	HRP: aprt from job waiting to take up ever been in paid employment or self-employed	hhold
HPayAge	HRP: Age when last had a paid job	hhold
HPayLast	HRP: Year left last paid job	hhold
HPayMon	HRP: Month left last paid job	hhold
HFtPtime	HRP: working full-time or part-time(FT 30 hours/PT <= 30 hours)	hhold
HEmploye	HRP: Whether employee/self employed	hhold
HDirctr	HRP: Director of company	hhold
HEmpStat	HRP: Manager/Foreman	hhold
HNEmplee	HRP: Number employed at place of work	hhold
HSNEmple	HRP: Self employed, how many employees	hhold
hrpsoccl	(D) Social Class HRP (RG old scheme)	Derived
schrp	(D) Social Class of HRP - Harmonised	Derived
schrpg7	(D) Social Class of HRP - I,II,IIIN,IIIM,IV,V,Others	Derived
schrpg6	(D) Social Class of HRP - I,II,IIIN,IIIM,IV,V	Derived
schrpg4	(D) Social Class of HRP: I/II,IIINM,IIIM,IV/V	Derived
HRPSEG	(D) HRP Socio-economic Group (old scheme)	Derived
hpnssec8	(D) NS-SEC 8 variable classifcation (HRP)	Derived
hpnssec5	(D) NS-SEC 5 variable classification (HRP)	Derived
hpnssec3	(D) NS-SEC 3 variable classification (HRP)	Derived
HRPOcc	Did HRP answer occupation questions him/herself?	hhold
NActiv	Whether working in last week	indiv
StWork	Paid work in last 7 days	indiv
IWk4Look	Looking for paid work/govt scheme last 4 weeks	indiv
IWk2Strt	Whether would have taked paid work in last 2 weeks	indiv
EverJob	Ever had paid employment or self-employed	indiv
OthPaid	Ever had other employment (waiting to start work)	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	Full-time or part-time	indiv
Employe	Whether employee/self employed	indiv
Dirctr	Director of company	indiv
EmpStat	Manager/Foreman	indiv
NEmplee	Number employed at place of work	indiv
SNEmplee	Self employed, how many employees	indiv
sclass	(D) Social Class Individual (RG old scheme)	Derived
scallx	(D) Social Class of Indiv - Harmonised	Derived
scallxg2	(D) Soc Class of Indiv - Harmonised: Non-Man/Manual	Derived
ISEG	(D) Individual Socio-economic Group (old scheme)	Derived
NSSEC8	(D) NSSEC 8 category classification (individual)	Derived
NSSEC5	(D) NSSEC 5 category classification (individual)	Derived
NSSEC3	(D) NSSEC 3 category classification (individual)	Derived
econac08	(D) Economic status of respondent	Derived

Stress at work

StrWork	(VERA) In general, how do you find your job	indiv
WorkBal	(VERA) How satisfied with balance between time on paid work and time on other aspects of life	indiv
Demand	(VERA) I have unrealistic time pressures at work	indiv
Contrl	(VERA) I have a choice in deciding how I do my work	indiv
Role	(VERA) I am clear what my duties and responsibilities are at work	indiv
Support1	(VERA) My line manager encourages me at work	indiv
Support2	(VERA) I get the help and support I need from colleagues at work	indiv
RelStrai	(VERA) Relationships at work are strained	indiv
Change	(VERA) Staff are consulted about change at work	indiv
StrWork2	(D) (VERA) Stress at work - grouped	Derived

Education

EducEnd	Age finished full time education	indiv
TopQua1	School leaving certif/ NNQ Access Unit	indiv
TopQua2	O grade / Standard grade / GCSE / CSE etc.	indiv
TopQua3	GSVQ found / SVQ level 1 or 2 / Scotvec module etc	indiv
TopQua4	Higher grade / A level / CSYS etc	indiv
TopQua5	GSVQ advanced / SQV lev 3 / ONC, OND etc	indiv
TopQua6	HNC / HND / SQV lev 4 or 5	indiv
TopQua7	First degree / Higher degree	indiv
TopQua8	Professional qualifications	indiv
TopQua9	Other school examinations	indiv
TopQua10	Other post-school but pre Higher education	indiv
TopQua11	Other Higher education qualifications	indiv
TopQua12	No qualifications	indiv
hedqul08	(D) Highest educational qualification - revised 2008	Derived

National identity, ethnicity & religion

NatId091	National identity - Scottish	indiv
NatId092	National identity - English	indiv
NatId093	National identity - Welsh	indiv
NatId094	National identity - Irish	indiv
NatId095	National identity - British	indiv
NatId096	National identity - Other	indiv
Ethnic09	Ethnic group	indiv
ReligioS	Religious affiliation	indiv

Income

totinc	(D) Total Household Income	Derived
SrcInc1	Income: Earnings from employment or self-employment	hhold
SrcInc2	Income: State retirement pension	hhold
SrcInc3	Income: Pension from former employer	hhold
SrcInc4	Income: Personal pension	hhold
SrcInc5	Income: Child benefit	hhold
SrcInc6	Income: Job-Seekers allowance	hhold
SrcInc7	Income: Income Support	hhold
SrcInc8	Income: Working Tax Credit, Child Tax Credit or any other tax credit	hhold
SrcInc9	Income: Housing Benefit	hhold
SrcInc10	Income: Other state benefits	hhold
SrcInc11	Income: Interest from savings and investments (eg stocks & shares)	hhold
SrcInc12	Income: Other kinds of regular allowance from outside your household	hhold
SrcInc13	Income: No source of income	hhold
JntInc	Individual / couple annual income	hhold
OthInc	Whether other income in household	hhold
HHInc	Household annual income	hhold
eqvinc	(D) Equivalised Income	Derived
eqv5	(D) Equivalised Income Quintiles	Derived
mcclem	(D) McClements household score for equivalised income	Derived

Parental social class

FathOcc	Father's occupation when respondent age 14	indiv
FathSup	Father's responsibility for staff in job	indiv
MothOcc	Mother's occupation when respondent age 14	indiv
MothSup	Mother's responsibility for staff in job	indiv
fanssec8	(D) Father's NS-SEC 8 variable classif when resp 14	Derived
fanssec5	(D) Father's NS-SEC 5 variable classif when resp 14	Derived
fanssec3	(D) Father's NS-SEC 3 variable classif when resp 14	Derived
manssec8	(D) Mother's NS-SEC 8 variable classif when resp 14	Derived
manssec5	(D) Mother's NS-SEC 5 variable classif when resp 14	Derived
manssec3	(D) Mother's NS-SEC 3 variable classif when resp 14	Derived
pnssec5	(D) Parental NS-SEC (highest) 5 groups	Derived
pnssec3	(D) Parental NS-SEC (highest) 3 groups	Derived

Nurse admin

Nurse	Agreed to nurse appointment (at individual interview)	indiv
NurseRe1	Refused nurse: Own doctor already has information	indiv
NurseRe2	Refused nurse: Given enough time already to this survey/expecting too much	indiv
NurseRe3	Refused nurse: Too busy, cannot spare the time	indiv
NurseRe4	Refused nurse: Had enough of medical tests/medical profession at present ti	indiv
NurseRe5	Refused nurse: Worried about what nurse may find out/'might tempt fate'	indiv
NurseRe6	Refused nurse: Scared of medical profession/ particular medical procedures	indiv
NurseRe7	Refused nurse: Not interested/Can't be bothered/No particular reason	indiv
NurseRe8	Refused nurse: Other reason	indiv
StadNo	Stadiometer serial number	indiv
SclNo	Scales serial number	indiv
PregNTJ	Whether currently pregnant 16+	nurse
NurOut	Outcome of nurse visit	NRF
DSOut	Demi-Span outcome	NRF
WHOut	Waist Hip outcome	NRF
BSOut	Blood Sample outcome	NRF
BPOut	BP outcome	NRF
LFOut	Lung function outcome	NRF
SSOut	Saliva Sample outcome	NRF
UrOut	Urine Sample outcome	NRF

Anthropometric measurements

Admin – heights & weights

PregNowB	Whether currently pregnant	indiv
RespHts	Response to height measurement	indiv
ResNHi	Refusal of height measurement	indiv
EHtCh	Non proxy: Form in which estimated height given	indiv
NoHitM0	No height: Child away from home during fieldwork	indiv
NoHitM1	No height: Respondent unsteady on feet	indiv
NoHitM2	No height: Respondent cannot stand upright /too stooped	indiv
NoHitM3	No height: Respondent chairbound	indiv
NoHitM4	No height: Child would not stand still	indiv
NoHitM5	No height: Respondent is ill or in pain	indiv
NoHitM6	No height: Stadometer is faulty or not available	indiv
NoHitM7	No height: Other	indiv
RelHiteB	Reliability of height measurement	indiv
HiNRel	Why height unreliable	indiv
RespWts	Response to weight measurement	indiv
ResNWt	Refusal of weight measurement	indiv
NoWaitM0	No weight: Child away from home during fieldwork	indiv

NoWaitM1	No weight: Respondent unsteady on feet	indiv
NoWaitM2	No weight: Respondent cannot stand upright /too stooped	indiv
NoWaitM3	No weight: Respondent chairbound	indiv
NoWaitM4	No weight: Respondent weights more than 130 kg	indiv
NoWaitM5	No weight: Respondent is ill or in pain	indiv
NoWaitM6	No weight: Scales not working	indiv
NoWaitM7	No weight: Parent cannot hold child	indiv
NoWaitM8	No weight: Parent other	indiv
EWtCh	Form in which estimated weight given	indiv
FloorM1	Scales placed on uneven floor	indiv
FloorM2	Scales placed on carpet	indiv
FloorM3	Scales not placed on carpet or on uneven floor	indiv
RelWaitB	Reliability of weight measurement	indiv
htok	(D) Whether height measure is valid	Derived
wtok	(D) Whether weight measure is valid	Derived
bmiok	(D) Whether bmi measure is valid	Derived

Admin - Waist/hip

WHIntro	Consent to waist/hip measurements	nurse
RespWH	Response to waist/hip measurements	nurse
YNoWH	Reason no waist/hip measurements	nurse
WHPNABM1	Respondent is chairbound	nurse
WHPNABM2	Respondent is confined to bed	nurse
WHPNABM3	Respondent is too stooped	nurse
WHPNABM4	Respondent did not understand the procedure	nurse
WHPNABM5	Respondent is embarrassed/sensitive about their size	nurse
WHPNABM6	No time/busy/already spent enough time on this survey	nurse
WHPNABM7	Other	nurse
WJRel	Whether problems with waist measurement	nurse
ProbWJ	Problems likely to increase/decrease waist measurement	nurse
HJRel	Whether problems with hip measurement	nurse
ProbHJ	Problems likely to increase/decrease hip measurement	nurse

Admin - Demi-span (arm length)

spanrel1	Reliability of 1st demi-span measurement	nurse
SpanRel2	Reliability of 2nd demi-span measurement	nurse
SpanRel3	Reliability of 3rd demi-span measurement	nurse
YNoSpan	Why demi-span measurement not obtained	nurse
RespDS	Response to demi-span measurements	nurse
NotAttM1	Cannot straighten arms	nurse
NotAttM2	Respondent confined to bed	nurse
NotAttM3	Respondent too stooped	nurse
NotAttM4	Respondent did not understand the procedure	nurse
NotAttM5	Other	nurse
SpnM1	Demi-span: Standing against the wall	nurse
SpnM2	Demi-span: Standing not against the wall	nurse

SpnM3	Demi-span: Sitting	nurse
SpnM4	Demi-span: Lying down	nurse
SpnM5	Demi-span measured on left arm as unsuitable right arm	nurse

Measurements

Note: A different method for calculating children's BMI was used from 2008 onward. This is explained in the 2008 main report obesity chapter. The method was also applied retrospectively to the 1998 and 2003 data to enable comparisons to be made over time. The 1998 and 2003 variables will be lodged with the Data Archive; affected users can also contact ScotCen directly for more information (shesdata@scotcen.org.uk). Please also note that the variable labels for the adult BMI groups have been changed to reflect the thresholds recommended by the WHO. The trend data are not affected by this.

Height	Height (cm) - inc unreliable measurements	indiv
EHtm	Estimated height in meters	indiv
EHtFt	Estimated height in feet	indiv
EHtIn	Estimated height in inches	indiv
EMHeight	Final measured or Estimated height (cm)	indiv
Weight	Weight (kg) - inc unreliable measurements	indiv
WtAdult	Weight of adult on own	indiv
WtChAd	Weight of adult holding child	indiv
FWeight	Measured weight of child: wtadult-wtchad	indiv
EWtkg	Estimated weight in kilograms	indiv
EWtSt	Estimated weight in stones	indiv
EWtL	Estimated weight in pounds	indiv
estwt	Final measured or estimated weight (kg)	indiv
htval	(D) Valid height (cm)	Derived
wtval	(D) Valid weight (Kg) inc. estimated>130kg	Derived
htagegm	(D) Male age-height group (aged 16-44/45+)	Derived
htgrpm2	(D) Male height group	Derived
htagegw	(D) Female age-height group (aged 16-44/45+)	Derived
htgrpw2	(D) Female height group	Derived
htgrpm	(D) Male height group	Derived
htgrpw	(D) Female height group	Derived
htmengp	(D)Male height grps	Derived
htwomgp	(D) Female height grps	Derived
htage	(D) Height-age children	Derived
tertile	(D) Height-age tertiles children	Derived
wtmengp	(D) Male weight grps	Derived
wtwomgp	(D) Female weight grps	Derived
bmi	(D) BMI - inc unreliable measurements	Derived
bmival	(D) Valid BMI - inc estimated>130kg	Derived
bmivg5	(D) Valid adult BMI (5 groups):	Derived
bmivg4	(D) Valid adult BMI (4 groups)	Derived
bmivg6	(D) BMI 6 groups for RISK variable	Derived
BMI25	(D) Valid BMI (grouped 25 and over)	Derived
BMI30	(D) Valid BMI (grouped 30 and over)	Derived
BMI40	(D) Valid BMI (grouped 40 and over)	Derived

CBMIg5	(D) Childrens BMI - 5 groups	Derived
ChWtHr	(D) Child - weight outwith healthy range	Derived
ChOverWt	(D) Child - overweight, including obese	Derived
cbmigR	(D) Child BMI - within or outwith healthy weight	Derived
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
span1	1st demi-span measurement (cm)	nurse
Span2	2nd demi-span measurement (cm)	nurse
Span3	3rd demi-span measurement (cm)	nurse
spanval	(D) Valid Mean Demispan (cm)	Derived
spanmen	(D) Male demi-span grps	Derived
spanwom	(D) Female demi-span grps	Derived
hipval	(D) Valid Mean Hip (cm)	Derived
wstval	(D) Valid Mean Waist (cm)	Derived
whval	(D) Valid Mean Waist/Hip ratio	Derived
menwhgp	(D) Male waist hip ratio groups	Derived
menwhhi	(D) Male high waist hip ratio	Derived
womwhgp	(D) Female waist hip ratio groups	Derived
womwhhi	(D) Female high waist hip ratio	Derived
menwsthi	(D) Men high waist circumference (greater than 102 cm)	Derived
womwsthi	(D) Women high waist circumference (greater than 88 cm)	Derived
waist	(D) waist circ - for SIGN risk	Derived
risk	(D) SIGN disease risk classification	Derived
Group	(D) BMI and waist circ. group	Derived

Vitamins

VitTake	Taking vitamins/mineral to improve health	nurse
Vitamin1	Taking vitamins/mineral to improve health	nurse
Vitamin2	Taking fish oils to improve health	nurse
Vitamin3	Taking iron supplements to improve health	nurse
Vitamin4	Taking calcium to improve health	nurse
Vitamin5	Taking other minerals to improve health	nurse
Vitamin6	Taking other supplements to improve health	nurse
Folic	Taking any folic acid supplements	nurse
FolPreg	Start taking folic acid supplements before becoming pregnant	nurse
FolPrg12	Taking folic acid supplements for the first 12 weeks of your pregnancy	nurse
FolHelp	Taking folic acid supplements because hope to become pregnant	nurse

Prescribed medicines: general

MedCNJD	Currently taking medication prescribed by doctor	nurse
MedBIA	Whether medicine 1 used in last 7 days	nurse
MedBIA2	Whether medicine 2 used in last 7 days	nurse

MedBIA3	Whether medicine 3 used in last 7 days	nurse
MedBIA4	Whether medicine 4 used in last 7 days	nurse
MedBIA5	Whether medicine 5 used in last 7 days	nurse
MedBIA6	Whether medicine 6 used in last 7 days	nurse
MedBIA7	Whether medicine 7 used in last 7 days	nurse
MedBIA8	Whether medicine 8 used in last 7 days	nurse
MedBIA9	Whether medicine 9 used in last 7 days	nurse
MedBIA10	Whether medicine 10 used in last 7 days	nurse
MedBIA11	Whether medicine 11 used in last 7 days	nurse
MedBIA12	Whether medicine 12 used in last 7 days	nurse
MedBIA13	Whether medicine 13 used in last 7 days	nurse
MedBIA14	Whether medicine 14 used in last 7 days	nurse
MedBIA15	Whether medicine 15 used in last 7 days	nurse
MedBIA16	Whether medicine 16 used in last 7 days	nurse
MedBIA17	Whether medicine 17 used in last 7 days	nurse
MedBIA18	Whether medicine 18 used in last 7 days	nurse
NumMeds	Number of medicines used	nurse
medbi01	1st medicine drug code	nurse
medbi02	2nd medicine drug code	nurse
medbi03	3rd medicine drug code	nurse
medbi04	4th medicine drug code	nurse
medbi05	5th medicine drug code	nurse
medbi06	6th medicine drug code	nurse
medbi07	7th medicine drug code	nurse
medbi08	8th medicine drug code	nurse
medbi09	9th medicine drug code	nurse
medbi10	10th medicine drug code	nurse
medbi11	11th medicine drug code	nurse
medbi12	12th medicine drug code	nurse
medbi13	13th medicine drug code	nurse
medbi14	14th medicine drug code	nurse
medbi15	15th medicine drug code	nurse
medbi16	16th medicine drug code	nurse
medbi17	17th medicine drug code	nurse
medbi18	18th medicine drug code	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

Reasons for taking medication

YTake011	Drug 1 for: Heart problem	nurse
YTake012	Drug 1 for: High blood pressure	nurse
YTake013	Drug 1 for: Other reason	nurse
YTake021	Drug 2 for: Heart problem	nurse
YTake022	Drug 2 for: High blood pressure	nurse
YTake023	Drug 2 for: Other reason	nurse
YTake031	Drug 3 for: Heart problem	nurse
YTake032	Drug 3 for: High blood pressure	nurse
YTake033	Drug 3 for: Other reason	nurse
YTake041	Drug 4 for: Heart problem	nurse
YTake042	Drug 4 for: High blood pressure	nurse
YTake043	Drug 4 for: Other reason	nurse
YTake051	Drug 5 for: Heart problem	nurse
YTake052	Drug 5 for: High blood pressure	nurse
YTake053	Drug 5 for: Other reason	nurse
YTake061	Drug 6 for: Heart problem	nurse
YTake062	Drug 6 for: High blood pressure	nurse
YTake063	Drug 6 for: Other reason	nurse
YTake071	Drug 7 for: Heart problem	nurse
YTake072	Drug 7 for: High blood pressure	nurse
YTake073	Drug 7 for: Other reason	nurse
YTake081	Drug 8 for: Heart problem	nurse
YTake082	Drug 8 for: High blood pressure	nurse
YTake083	Drug 8 for: Other reason	nurse
YTake091	Drug 9 for: Heart problem	nurse
YTake092	Drug 9 for: High blood pressure	nurse
YTake093	Drug 9 for: Other reason	nurse
YTake101	Drug 10 for: Heart problem	nurse
YTake102	Drug 10 for: High blood pressure	nurse
YTake103	Drug 10 for: Other reason	nurse
YTake111	Drug 11 for: Heart problem	nurse
YTake112	Drug 11 for: High blood pressure	nurse
YTake113	Drug 11 for: Other reason	nurse
YTake121	Drug 12 for: Heart problem	nurse
YTake122	Drug 12 for: High blood pressure	nurse
YTake123	Drug 12 for: Other reason	nurse
YTake131	Drug 13 for: Heart problem	nurse
YTake132	Drug 13 for: High blood pressure	nurse
YTake133	Drug 13 for: Other reason	nurse
YTake141	Drug 14 for: Heart problem	nurse
YTake142	Drug 14 for: High blood pressure	nurse
YTake143	Drug 14 for: Other reason	nurse

YTake151	Drug 15 for: Heart problem	nurse
YTake152	Drug 15 for: High blood pressure	nurse
YTake153	Drug 15 for: Other reason	nurse
YTake161	Drug 16 for: Heart problem	nurse
YTake162	Drug 16 for: High blood pressure	nurse
YTake163	Drug 16 for: Other reason	nurse
YTake171	Drug 17 for: Heart problem	nurse
YTake172	Drug 17 for: High blood pressure	nurse
YTake173	Drug 17 for: Other reason	nurse
YTake181	Drug 18 for: Heart problem	nurse
YTake182	Drug 18 for: High blood pressure	nurse
YTake183	Drug 18 for: Other reason	nurse

Drugs affecting blood analytes / blood pressure

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

Smoking, nicotine replacement & smoking cessation therapy

Smoke1	Currently smokes cigarettes - nurse int	nurse
Smoke2	Currently smokes cigars - nurse int	nurse
Smoke3	Currently smokes a pipe - nurse int	nurse
Smoke4	Does not currently smoke - nurse int	nurse
SmokeYr	Smoked in the last 12 months - nurse int	nurse
LastSmok	When last smoked a cigarette/cigar/pipe - nurse int	nurse
UseNRT1	NRT last 7 days: nicotine gum	nurse
UseNRT2	NRT last 7 days: nicotine patches that you stick on your skin	nurse
UseNRT3	NRT last 7 days: nasal spray/nicotine inhaler	nurse
UseNRT4	NRT last 7 days: Other	nurse
UseNRT5	NRT last 7 days: Not used	nurse
NRTSupp1	Smoking cessation support: pharmacy	nurse
NRTSupp2	Smoking cessation support: GP practice nurse	nurse
NRTSupp3	Smoking cessation support: other	nurse
NRTSupp4	Smoking cessation support: none	nurse
nicuseb	(D) Used nicotine products in last 7 days	Derived

Incidents of food poisoning

DIArr	Whether had illness involving diarrhoea in past 6 months	nurse

Vomit	Whether had illness involving vomiting in past 6 months	nurse
NoDiaVom	Number of times had diarrhoea in past 6 months	nurse
YDiaVom	Number of times had vomiting in past 6 months	nurse
ConsGP	Whether consulted GP about diarrhoea/vomiting	nurse
GPDiag	Doctor diagnosed food poisoning/gastroenteritis	nurse
Stool	Whether GP asked for stool sample	nurse
StoolTst	Whether supplied stool sample	nurse
GermB	Whether told what type of germ or bacteria was causing the illness	nurse
IllDay	Effect of illness involving diarrhoea on daily routine	nurse

Blood pressure

Note: In 2003 the survey switched to using Omron blood pressure machines instead of the Dinamaps used in 1998 and 1995. The 2008-11 survey is using Omrons. For the 2003 report the 1995 and 1998 Dinamap readings were converted to Omron equivalent readings but the 2003 dataset also included Dinamap equivalent variables for the 2003 Omron data. Dinamap equivalent variables will not be provided in the dataset from 2008 onwards. Affected users can either apply the equations for converting the data provided in the 2003 adult blood pressure chapter (p324 of Volume 2) or contact ScotCen directly for details of how to create the Dinamap/Omron equivalent variables (shesdata@scotcen.org.uk). However, users carrying out time series analysis that includes data from 2003 onwards are advised to base this on Omron readings rather than continually converting the newer data into Dinamap equivalent readings.

Admin

BPConst	Consent to BP measurement	nurse
ConSubX1	Eaten in last 30 mins	nurse
ConSubX2	Smoked in last 30 mins	nurse
ConSubX3	Drunk alcohol in last 30 mins	nurse
ConSubX4	Done vigorous exercise in last 30 mins	nurse
ConSubX5	Done nothing to affect BP in last 30 mins	nurse
DINNo	Blood pressure equipment serial number	nurse
CufSize	Cuff size used	nurse
AirTemp	Air temperature	nurse
full1om	Reliability of 1st set of BP readings	nurse
full2om	Reliability of 2nd set of BP readings	nurse
full3om	Reliability of 3rd set of BP readings	nurse
YNoBP	Reason no BP measurements taken	nurse
RespBPS	Response to BP measurements	nurse
NAttBPD0	Problems with PC	nurse
NAttBPD1	Respondent upset/anxious/nervous	nurse
NAttBPD2	Error reading	nurse
NAttBPD5	Other reason(s)	nurse
NAttBPD6	Problems with cuff fitting/painful	nurse
NAttBPD7	Problems with equipment (not error reading)	nurse
DifBPC1	No problems taking blood pressure	nurse
DifBPC2	Reading taken on left arm because right arm not suitable	nurse
DifBPC3	Respondent was upset/anxious/nervous	nurse
DifBPC4	Other problems	nurse
DifBPC5	Problems with cuff fitting/painful	nurse

DifBPC6	Problems with equipment	nurse
DifBPC7	Error reading	nurse
GPRegB	Whether registered with a GP	nurse
GPSend	Wants BP readings sent to GP	nurse
GPRefC1	Hardly/Never sees GP	nurse
GPRefC2	GP knows respondent s BP level	nurse
GPRefC3	Does not want to bother GP	nurse
GPRefC4	Other	nurse

Measurements

sys1om	1st Systolic reading (mmHg)	nurse
dias1om	1st Diastolic reading (mmHg)	nurse
pulse1om	1st Pulse reading (bpm)	nurse
map1om	1st MAP reading (mmHg)	nurse
sys2om	2nd Systolic reading (mmHg)	nurse
dias2om	2nd Diastolic reading (mmHg)	nurse
pulse2om	2nd Pulse reading (bpm)	nurse
map2om	2nd MAP reading (mmHg)	nurse
sys3om	3rd Systolic reading (mmHg)	nurse
dias3om	3rd Diastolic reading (mmHg)	nurse
pulse3om	3rd Pulse reading (bpm)	nurse
map3om	3rd MAP reading (mmHg)	nurse
bprespc	(D) Whether BP readings are valid	Derived
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
hyper2om	(D) Hypertensive categories: 160/95: all taking drugs affecting BP (Omron readings)	Derived
hibp2om	(D) Whether hypertensive: 160/95: all taking drugs affecting BP (Omron readings)	Derived
hy140om	(D) Hypertensive categories:140/90: all on drugs prescribed for BP (Omron readings)	Derived
hbp140om	(D) Whether hypertensive:140/90: all on drugs prescribed for BP (Omron 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

Lung function

FVC1	1st FVC reading	nurse
FEV1	1st FEV reading	nurse

PF1	1st PF reading	nurse
Techniq1	Whether 1st LF technique satisfactory	nurse
FVC2	2nd FVC reading	nurse
FEV2	2nd FEV reading	nurse
PF2	2nd PF reading	nurse
Techniq2	Whether 2nd LF technique satisfactory	nurse
FVC3	3rd FVC reading	nurse
FEV3	3rd FEV reading	nurse
PF3	3rd PF reading	nurse
Techniq3	Whether 3rd LF technique satisfactory	nurse
FVC4	4th FVC reading	nurse
FEV4	4th FEV reading	nurse
PF4	4th PF reading	nurse
Techniq4	Whether 4th LF technique satisfactory	nurse
FVC5	5th FVC reading	nurse
FEV5	5th FEV reading	nurse
PF5	5th PF reading	nurse
Techniq5	Whether 5th LF technique satisfactory	nurse
NLSatLF	Satisfactory blows?	nurse
HTFVC	Highest technically satisfactory value for FVC.	nurse
HTFEV	Highest technically satisfactory value for FEV.	nurse
HTPF	Highest technically satisfactory value for PF.	nurse
YNoLF	Why LF measurement not obtained	nurse
HaSurg	Whether had abdominal/chest surgery last 3 weeks	nurse
HaEySurg	Whether had eye surgery past 4 weeks	nurse
HaStro	Whether in hospital with heart complaint last 6 weeks	nurse
ChestInf	Whether had influenza,pneumonia,bronchitis last 3 weeks	nurse
Inhaler	Whether used inhaler past 24hrs	nurse
InHalHrs	Inhaler used: no hours ago	nurse
LFWill	Agreement to lung function measurement	nurse
SpirNo	Spirometer serial number	nurse
LFTemp	Ambient air temperature	nurse
LFStand	LF measurements: Sitting or standing	nurse
LFResp	Response to LF measurements	nurse
ProbLF1	Refused to continue	nurse
ProbLF2	Breathlessness	nurse
ProbLF3	Coughing fit	nurse
ProbLF4	Equipment failure	nurse
ProbLF5	Other	nurse
NoAttLF	No LF: Reason	nurse
NCGPLF	Satisfactory blows?	nurse
LFSam	Whether registered with a GP	nurse
GPSendLF	Permission to send LF measurements to GP	nurse
GPRLFM1	Hardly/Never sees GP	nurse
GPRLFM2	GP knows respondent s LF level	nurse
GPRLFM3	Does not want to bother GP	nurse
GPRLFM4	Other	nurse
lfok03	(D) Whether lung function is valid	Derived

dhtfvc	(D) Edited highest satisfactory FVC	Derived
dhtfev	(D) Edited highest satisfactory FEV	Derived
dhtpf	(D) Edited highest satisfactory PF	Derived

Saliva sample

Admin

SalIntr1	Consent to take saliva sample	nurse
SalObt1	Whether saliva sample obtained	nurse
SalHow	Method used to obtain the saliva sample.	nurse
SalNObt3	Sample not obtained: Respondent not able to produce any saliva	nurse
SalNObt4	Sample not obtained: Other	nurse

Cotinine

cotsal	Saliva Cotinine result - inc invalid	lab
CotQual	Cotinine quality	lab
cotval	(D) Valid cotsal (saliva)	Derived
cot15val	(D) Valid cotsal (saliva): 0<15,15+	Derived

Urine

Admin

UriIntro	Consent to take urine sample	nurse
UriObt1	Whether urine sample obtained	nurse
UriNob03	Sample not obtained: Respondent not able to produce any urine	nurse
UriNob04	Sample not obtained: Other	nurse

Measurements

sodium	Sodium	lab
sodiumq	Sodium quality code	lab
potass	Potassium	lab
potasq	Potassium quality code	lab
creat	Creatinine	lab
creatq	Creatinine quality code	lab

Blood sample

Admin

ClotB	Whether has clotting disorder	nurse
Fit	Whether ever had a fit	nurse
BSWill	Consent to blood sample	nurse
RefBSC1	Previous difficulties with venepuncture	nurse
RefBSC2	Dislike/fear of needles	nurse

RefBSC3	Respondent recently had blood test/health check	nurse
RefBSC4	Refused because of current illness	nurse
RefBSC5	Worried about HIV or AIDS	nurse
RefBSC6	Other	nurse
GPSam	Registered with GP	nurse
SendSam	Permission to send results of blood sample to GP	nurse
SenSam1	Hardly/never sees GP	nurse
SenSam2	GP recently took blood sample	nurse
SenSam3	Does not want to bother GP	nurse
SenSam4	Other	nurse
ConStorB	Consent to store blood for future analysis	nurse
SampF1	Plain red tube filled	nurse
SampF2	EDTA Purple tube filled	nurse
SampF3	Citrate blue tube filled	nurse
SampTak	Outcome of blood sample	nurse
SampArm	Which arm blood sample taken from	nurse
SamDifC1	BS Problems: No problem	nurse
SamDifC2	BS Problems: Incomplete sample	nurse
SamDifC3	BS Problems: Collapsing/poor veins	nurse
SamDifC4	BS Problems: Second attempt necessary	nurse
SamDifC5	BS Problems: Some blood obtained, but respondent felt faint/fainted	nurse
SamDifC6	BS Problems: Unable to use tourniquet	nurse
SamDifC7	BS Problems: Other reason	nurse
NoBSM1	No BS: No suitable or no palpable vein/collapsed veins	nurse
NoBSM2	No BS: Respondent was too anxious/nervous	nurse
NoBSM3	No BS: Respondent felt faint/fainted	nurse
NoBSM4	No BS: Other reason	nurse
SnDrSam	Whether wants results of blood sample	nurse
VpSys	NURSE: Which system did you use to take blood?	nurse
VpHand	NURSE: Was the respondent left handed or right handed?	nurse
VpArm	NURSE: Which arm did you use to take blood?	nurse
VpSkin	NURSE: Code the skin condition of the arm used.	nurse
VpAlco	NURSE: Did you use an alcohol wipe?	nurse
VpSam	NURSE: Code the number of attempts made to take blood.	nurse
VPPress1	NURSE: Code who applied pressure to the puncture site: nurse	nurse
VPPress2	NURSE: Code who applied pressure to the puncture site.: Respondent	nurse
VPPress3	NURSE: Code who applied pressure to the puncture site.: Partner or spouse	nurse
VpSens	NURSE: Was the respondent sensitive to the tape or plaster?	nurse
VpProb1	NURSE:Was there any abnormality noted after 5 minutes? : Sensory deficit	nurse
VpProb2	NURSE:Was there any abnormality noted after 5 minutes?: Haematoma	nurse
VpProb3	NURSE:Was there any abnormality noted after 5 minutes?: Swelling	nurse
VpProb95	NURSE:Was there any abnormality noted after 5 minutes? Other	nurse
VpProb96	NURSE:Was there any abnormality noted after 5 minutes?: None	nurse
VpCheck	NURSE: Did you re-check the puncture site after completion of the blood sample module?	nurse

Measurements

cholest	Total cholesterol result	lab
cholqual	Total cholesterol quality code	lab
hdlchol	HDL cholesterol quality code	lab
hdlqual	C-reactive protein result	lab
crp	C-reactive protein result	lab
crpqual	C-reactive protein quality code	lab
glyhb	Glycated haemoglobin	lab
glyhbqual	Glycated haemoglobin quality code	lab
fibgen	Fibrinogen result	lab
fibqual	Fibrinogen quality code	lab
CONSN	Consent to storage	nurse
SESTOR	Serum sample stored	lab
EDSTOR	EDTA sample stored	lab
cholok	(D) Response to Cholesterol sample	Derived
cholval	(D) Valid Cholesterol Result	Derived
cholval1	(D) Valid Cholesterol Result (including those on lld)	Derived
hdlok	(D) Response to HDL Cholesterol sample	Derived
hdlval	(D) Valid HDL Cholesterol Result	Derived
hdlval1	(D) Valid HDL Cholesterol Result (including those on lld)	Derived
fibokb	(D) Response to Fibrinogen sample	Derived
fibval	(D) Valid Fibrinogen Result	Derived
fibquin	(D) Fibrinogen quintile	Derived
crpokb	(D) Response to C-Reactive Protein sample	Derived
crpval	(D) Valid CRP Result	Derived
crpquin	(D) Valid C-reactive protein sex-specific quintile	Derived
glyhbok	(D) Response to Glycated HB sample	Derived
glyhbval	(D) Valid Glycated HB Result	Derived
glyhbhi	(D) Glycated haemoglobin level greater than or equal to 7%	Derived
glyhbhi	(D) Glycated haemoglobin level greater than or equal to 7%	Derived
glyhbhi2	(D) Glycated haemoglobin level greater than or equal to 6.5%	Derived
glyhbhi3	(D) Glycated haemoglobin level greater than or equal to 6.0%	Derived
cholhi	(D) Cholesterol (including on lld) greater than or equal to 5 mmol/l	Derived
hdllo	(D) HDL cholesterol (including on lld) less than 1 mmol/l	Derived

Attitudes to Health - Knowedge and Modivations (KAM)

Qghin	(KAM) Influence of lifestyle on health	indiv
Qghbe	(KAM) Best description of lifestyle	indiv
Qghan	(KAM) Whether feel can do anything to make own life healthier	indiv
Qghcant	(KAM) Why can't make your own life healthier	indiv
QghcntE1	(KAM) Can't make life healthier - Health reasons	indiv
QghcntE2	(KAM) Can't make life healthier - Mobility issues	indiv
QghcntE3	(KAM) Can't make life healthier - Old age	indiv
QghcntE4	(KAM) Can't make life healthier - Lack of time	indiv

QghcntE5	(KAM) Can't make life healthier - Lack of money	indiv
QghcntE6	(KAM) Can't make life healthier - Lack of will	indiv
QghcntE7	(KAM) Can't make life healthier - Don't feel able to change	indiv
QghcntE8	(KAM) Can't make life healthier - Living environment	indiv
QghcntE9	(KAM) Can't make life healthier - Other people	indiv
Qghcnt10	(KAM) Can't make life healthier - Bereavement	indiv
Qghcnt11	(KAM) Can't make life healthier - Other	indiv
Qghfe_1	(KAM) Could make own life healthier - Cut down smoking	indiv
Qghfe_2	(KAM) Could make own life healthier - Stop smoking	indiv
Qghfe_3	(KAM) Could make own life healthier - Cut down on alcohol	indiv
Qghfe_4	(KAM) Could make own life healthier - Stop drinking alcohol	indiv
Qghfe_5	(KAM) Could make own life healthier - Be more physically active	indiv
Qghfe_6	(KAM) Could make own life healthier - Control weight	indiv
Qghfe_7	(KAM) Could make own life healthier - Eat more healthily	indiv
Qghfe_8	(KAM) Could make own life healthier - Reduce stress	indiv
Qghfe_9	(KAM) Could make own life healthier - None of these	indiv
Qghan2	(KAM) Whether feel can do anything to make child(ren)'s life healthier	indiv
Qghcant2	(KAM) Why can't make child(ren)'s life healthier	indiv
Qghfe21	(KAM) Make child healthier - Cut down or stop my smoking	indiv
Qghfe22	(KAM) Make child healthier - Discourage them from smoking	indiv
Qghfe23	(KAM) Make child healthier - Help them develop sensible attitude to drinking	indiv
Qghfe24	(KAM) Make child healthier - Help them be more physically active	indiv
Qghfe25	(KAM) Make child healthier - Watch their weight	indiv
Qghfe26	(KAM) Make child healthier - Help them eat more healthily	indiv
Qghfe27	(KAM) Make child healthier - Praise and encouragement	indiv
Qghfe28	(KAM) Make child healthier - None of these	indiv
Qghfe29	(KAM) Make child healthier - Other	indiv
Qghpa11	(KAM) Change tried - Cut down smoking	indiv
Qghpa12	(KAM) Change tried - Stop smoking	indiv
Qghpa13	(KAM) Change tried - Cut down the amount of alcohol I drink	indiv
Qghpa14	(KAM) Change tried - Stop drinking alcohol	indiv
Qghpa15	(KAM) Change tried - Increase physical activity	indiv
Qghpa16	(KAM) Change tried - Control weight	indiv
Qghpa17	(KAM) Change tried - Eat more healthily	indiv
Qghpa18	(KAM) Change tried - Reduce level of stress	indiv
Qghpa19	(KAM) Change tried - None of these	indiv
Qghpa1Q	(KAM) Number of changes tried	indiv
Qghma11	(KAM) Change maintained - Cut down smoking	indiv
Qghma12	(KAM) Change maintained - Stop smoking	indiv
Qghma13	(KAM) Change maintained - Cut down the amount of alcohol I drink	indiv
Qghma14	(KAM) Change maintained - Stop drinking alcohol	indiv
Qghma15	(KAM) Change maintained - Increase physical activity	indiv
Qghma16	(KAM) Change maintained - Control weight	indiv
Qghma17	(KAM) Change maintained - Eat more healthily	indiv
Qghma18	(KAM) Change maintained - Reduce level of stress	indiv
Qghma19	(KAM) Change maintained - None of these	indiv
Qghli11	(KAM) Change would like - Cut down smoking	indiv
Qghli12	(KAM) Change would like - Stop smoking	indiv

Qghli13	(KAM) Change would like - Cut down the amount of alcohol I drink	indiv
Qghli14	(KAM) Change would like - Stop drinking alcohol	indiv
Qghli15	(KAM) Change would like - Increase physical activity	indiv
Qghli16	(KAM) Change would like - Control weight	indiv
Qghli17	(KAM) Change would like - Eat more healthily	indiv
Qghli18	(KAM) Change would like - Reduce level of stress	indiv
Qghli19	(KAM) Change would like - None of these	indiv
Qghli1Q	(KAM) Number of changes would like to make	indiv
Qghth11	(KAM) Change intended - Cut down smoking	indiv
Qghth12	(KAM) Change intended - Stop smoking	indiv
Qghth13	(KAM) Change intended - Cut down the amount of alcohol I drink	indiv
Qghth14	(KAM) Change intended - Stop drinking alcohol	indiv
Qghth15	(KAM) Change intended - Increase physical activity	indiv
Qghth16	(KAM) Change intended - Control weight	indiv
Qghth17	(KAM) Change intended - Eat more healthily	indiv
Qghth18	(KAM) Change intended - Reduce level of stress	indiv
Qghth19	(KAM) Change intended - None of these	indiv
Qhge	(KAM) Agreement with statement - It's easy to get information about healthy eating these days	indiv
Qathlim8	(KAM) Most important source of information about how to live healthier life	indiv
Qhereas	(KAM) Main reason decided to eat more healthily/control weight	indiv
Qnuhe	(KAM) Respondent's description of diet	indiv
Qnubar1	(KAM) Barriers to healthy eating - Family discouraging or unsupportive	indiv
Qnubar2	(KAM) Barriers to healthy eating - Friends discouraging or unsupportive	indiv
Qnubar3	(KAM) Barriers to healthy eating - Colleagues discouraging or unsupportive	indiv
Qnubar4	(KAM) Barriers to healthy eating - Not knowing what changes to make	indiv
Qnubar5	(KAM) Barriers to healthy eating - Not knowing how to cook more healthy foods	indiv
Qnubar6	(KAM) Barriers to healthy eating - Lack of choice of healthy foods in canteens and restaurants	indiv
Qnubar7	(KAM) Barriers to healthy eating - Lack of choice of healthy foods where do main shop	indiv
Qnubar8	(KAM) Barriers to healthy eating - Healthy foods are too expensive	indiv
Qnubar9	(KAM) Barriers to healthy eating - Healthy foods take too long to prepare	indiv
Qnubar10	(KAM) Barriers to healthy eating - Healthy foods too boring	indiv
Qnubar11	(KAM) Barriers to healthy eating - Lack of willpower	indiv
Qnubar12	(KAM) Barriers to healthy eating - Don't like the taste/ don't enjoy healthy foods	indiv
Qnubar13	(KAM) Barriers to healthy eating - Nothing prevents from eating more healthily	indiv
Qnubar14	(KAM) Barriers to health eating - Other	indiv
Qnuto8	(KAM) At least how many fruit/veg portions govt. advises to eat EVERY DAY	indiv
Qbrf1	(KAM) Women should be made to feel comfortable breastfeeding their babies in public	indiv
Qbrf2	(KAM) Women should only breastfeed their babies at home or in private	indiv
Qbrf3	(KAM) I would feel embarrassed seeing a woman breastfeeding her	indiv

	baby	
Qpamo8	(KAM) How much time per day government advises people to spend doing moderate physical activity	indiv
Qpamoti	(KAM) How many days a week people are advised to spend doing moderate physical activity	indiv
Qpahe	(KAM) Whether do enough physical activity for your age to stay healthy	indiv
Qpareas	(KAM) Main reason for deciding to be more physically active	indiv
Qpabarr1	(KAM) Barriers to physical activity - Lack of time	indiv
Qpabarr2	(KAM) Barriers to physical activity - Prefer to do other things	indiv
Qpabarr3	(KAM) Barriers to physical activity - Ill health, injury or disability	indiv
Qpabarr4	(KAM) Barriers to physical activity - Feel too fat/overweight	indiv
Qpabarr5	(KAM) Barriers to physical activity - Do not enjoy exercise	indiv
Qpabarr6	(KAM) Barriers to physical activity - Lack of suitable local facilities	indiv
Qpabarr7	(KAM) Barriers to physical activity - Too old	indiv
Qpabarr8	(KAM) Barriers to physical activity - Lack of money	indiv
Qpabarr9	(KAM) Barriers to physical activity - Lack of transport	indiv
Qpabar10	(KAM) Barriers to physical activity - Nobody to go with	indiv
Qpabar11	(KAM) Barriers to physical activity - Traffic/road safety/environment	indiv
Qpabar12	(KAM) Barriers to physical activity - Weather	indiv
Qpabar13	(KAM) Barriers to physical activity - Lack of skills/confidence	indiv
Qpabar14	(KAM) Barriers to physical activity - Nothing prevents	indiv
Qpabar15	(KAM) Barriers to physical activity - Other	indiv
Qpaheal1	(KAM) Less likely if physically active - Heart disease	indiv
Qpaheal2	(KAM) Less likely if physically active - Some cancers	indiv
Qpaheal3	(KAM) Less likely if physically active - Diabetes	indiv
Qpaheal4	(KAM) Less likely if physically active - High blood pressure	indiv
Qpaheal5	(KAM) Less likely if physically active - Overweight and obesity	indiv
Qpaheal6	(KAM) Less likely if physically active - Mental health problems	indiv
Qpaheal7	(KAM) Less likely if physically active - Brittle bones (osteoporosis)	indiv
Qpaheal8	(KAM) Less likely if physically active - Injuries and accidents	indiv
Qpaheal9	(KAM) Less likely if physically active - Stomach ulcer	indiv
Qpahea10	(KAM) Less likely if physically active - (All of these)	indiv
Qpahea11	(KAM) Less likely if physically active - (None of these)	indiv
Qpahea12	(KAM) Less likely if physically active - Other	indiv
Qoasso	(KAM) Best description of own weight at the moment	indiv
Qoassc1	(KAM) Best description of child's weight at the moment (child 1)	indiv
Qoassc2	(KAM) Best description of child's weight at the moment (child 2)	indiv
QoassNo1	(KAM) Child 1 person number	indiv
QoassNo2	(KAM) Child 2 person number	indiv
Qorisk1	(KAM) Risk if overweight - Heart disease	indiv
Qorisk2	(KAM) Risk if overweight - Some cancers	indiv
Qorisk3	(KAM) Risk if overweight - Diabetes	indiv
Qorisk4	(KAM) Risk if overweight - High blood pressure	indiv
Qorisk5	(KAM) Risk if overweight - Stroke	indiv
Qorisk6	(KAM) Risk if overweight - Gallbladder disease	indiv
Qorisk7	(KAM) Risk if overweight - Arthritis (pain / swelling in the joints)	indiv
Qorisk8	(KAM) Risk if overweight - Gout	indiv
Qorisk9	(KAM) Risk if overweight - Stomach ulcer	indiv

Qorisk10	(KAM) Risk if overweight - (All of these)	indiv
Qorisk11	(KAM) Risk if overweight - (None of these)	indiv
Qorisk12	(KAM) Risk if overweight - Other	indiv
Qalal	(KAM) Have you heard about measuring alcohol in units?	indiv
Qalcr8	(KAM) Heard of government advice on units of alcohol a day	indiv
Qalmd	(KAM) Thinks is current recommended max units PER DAY for MEN	indiv
Qalwd	(KAM) Thinks is current recommended max units PER DAY for WOMEN	indiv
Qalbd	(KAM) Heard of advice not to drink more than certain number of units in a single session	indiv
Qalmbd	(KAM) Thinks is the current recommended max of UNITS in SINGLE SESSION for MEN	indiv
Qalwbd	(KAM) Thinks is the current recommended max of UNITS in SINGLE SESSION for WOMEN	indiv
Qalfd	(KAM) Heard of government advice to have certain number of alcohol-free days each week	indiv
Qalfdn	(KAM) How many alcohol-free days thinks adults advised to have each week	indiv
Qalvl	(KAM) Best description of amount of alcohol you drink now	indiv
Qspadul	(KAM) Smoker - what do in a room with adults who don't smoke	indiv
Qapchil	(KAM) Smoker - what do in a room with children	indiv
Qcan	(KAM) Which cancer thinks mainly caused by a virus	indiv
Qcan21	(KAM) Protection from cervical cancer - Vaccination	indiv
Qcan22	(KAM) Protection from cervical cancer - Screening (a smear test)	indiv
Qcan23	(KAM) Protection from cervical cancer - Taking more exercise	indiv
Qcan24	(KAM) Protection from cervical cancer - Losing weight	indiv
Qcan25	(KAM) Protection from cervical cancer - (None of these)	indiv
Qcan26	(KAM) Protection from cervical cancer - Other	indiv
CASIInt	(KAM) Whether agreed to CASI	indiv
SCompNH1	(KAM) No CASI - Eyesight problems	indiv
SCompNH2	(KAM) No CASI - Language problems	indiv
SCompNH3	(KAM) No CASI - Reading/writing/comprehension problems	indiv
SCompNH4	(KAM) No CASI - Doesn t like computers	indiv
SCompNH5	(KAM) No CASI - Respondent bored/fed up/tired	indiv
SCompNH6	(KAM) No CASI - Questions too sensitive/invasion of privacy	indiv
SCompNH7	(KAM) No CASI - Too long/too busy/taken long enough already	indiv
SCompNH8	(KAM) No CASI - Refused to complete self-completion	indiv
SCompNH9	(KAM) No CASI - Other	indiv
Knowl1	(KAM) Know enough/have enough info about - Where a woman should go if needed abortion	indiv
Knowl2	(KAM) Know enough/have enough info about - How to use a condom	indiv
Knowl3	(KAM) Know enough/have enough info about - Safer sex - including vaginal, oral and anal sex	indiv
Atts1	(KAM) Would ask to use condom if sex with new partner	indiv
Atts2	(KAM) Would stop sex with new partner if no condoms	indiv
Atts3	(KAM) Need to use condom with new partner to protect against STIs	indiv
Atts4	(KAM) Regular partner - both get tested for STIs before stop using condoms	indiv
Atts5	(KAM) A woman known to be carrying condoms would not have a good image	indiv
Atts6	(KAM) Man's responsibility to carry condoms	indiv

MornP1	(KAM) Provides morning after pill - GP	indiv
MornP2	(KAM) Provides morning after pill - Pharmacist / chemist	indiv
MornP3	(KAM) Provides morning after pill - Accident and emergency department	indiv
MornP4	(KAM) Provides morning after pill - Sexual Health / Genito-Urinary Medicine clinic	indiv
MornP5	(KAM) Provides morning after pill - Family Planning Clinic	indiv
MornP6	(KAM) Provides morning after pill - Young people's drop in centre	indiv
MornP7	(KAM) Provides morning after pill - All of these	indiv
MornP8	(KAM) Provides morning after pill - None of these	indiv
MornP9	(KAM) Provides morning after pill - Don't know	indiv
Chlam1	(KAM) Chalmydia testing - GP	indiv
Chlam2	(KAM) Chalmydia testing - Accident and emergency department	indiv
Chlam3	(KAM) Chalmydia testing - Sexual Health /Genito-Urinary Medicine clinic	indiv
Chlam4	(KAM) Chalmydia testing - Family Planning Clinic	indiv
Chlam5	(KAM) Chalmydia testing - Young people's drop in centre	indiv
Chlam6	(KAM) Chalmydia testing - All of these	indiv
Chlam7	(KAM) Chalmydia testing - None of these	indiv
Chlam8	(KAM) Chalmydia testing - Don't know	indiv
Vas2	(KAM) Would consider having a vasectomy (male sterilisation)	indiv
Long1	(KAM) GP ever suggested long-acting reversible methods of contraception	indiv
Long3	(KAM) Consider using long-acting reversible contraception	indiv
ownheal	(D) (KAM) Ability to influence own health	Derived
chilheal	(D) (KAM) Ability to influence child health	Derived
dailmen	(D) (KAM) awareness of daily units for men	Derived
dailwom	(D) (KAM) awareness of daily units for women	Derived
dailunit	(D) (KAM) Knowledge of daily units for own sex	Derived
bingmen	(D) (KAM) Awareness of max units in session for men	Derived
bingwom	(D) (KAM) Awareness of max units in session for women	Derived
bingunit	(D) (KAM) Awareness of max units in session for own sex	Derived
alcweek	(D) (KAM) Awareness of non-drinking days per week	Derived
Alcmot	(D) (KAM) Motivation to reduce drinking	Derived
anymot	(D) (KAM) Motivation to change lifestyle	Derived
Smokmot	(D) (KAM) Motivation to reduce smoking	Derived
knowfru	(D) (KAM) Knowledge of fruit and vegetable recommendations	Derived
eatmot	(D) (KAM) Motivation to eat more healthily	Derived
unsup	(D) (KAM) Barriers to healthy eating - family, friends or colleagues unsupportive	Derived
phytarg	(D) (KAM) Knowledge of phys act guidelines (mins & days)	Derived
phymot	(D) (KAM) Motivation to be more physically active	Derived
othpba	(D) (KAM) Barriers to phys activity - transport/traffic/safety/skills/confidence/other	Derived
weimot	(D) (KAM) Motivation to control weight	Derived
larcmeth	(D) (KAM) Longterm contraception - any	Derived
mafpnum	(D) KAM: count of places thinks provide morning after pill	Derived
atts1b	(D) (KAM) Would ask to use condom if sex with new partner - recoded	Derived
atts2b	(D) (KAM) Would stop sex with new partner if no condoms - recoded	Derived
atts3b	(D) (KAM) Need to use condom with new partner to protect against	Derived

	STIs - recoded	
atts4b	(D) (KAM) Regular partner - both get tested for STIs before stop using condoms - recoded	Derived
vas2b	(D) (KAM) Whether would consider a vasectomy - recoded	Derived
chlamnum	(D) (KAM) no. of places thinks provide chlamydia testing	Derived

Scottish Health Survey

'11

Derived variables

A survey carried out on behalf of The Scottish Government Health Directorates and NHS Health Scotland

Scottish Centre for Social Research
Department of Epidemiology and Public Health, University College London
& The MRC Social and Public Health Sciences Unit, Glasgow

HOUSEHOLD

hhdtypb (D) Household Type

```
* in household data file - has everyone in household not just respondents.
* count number of children & adults.

RECODE ageof (16 thru hi=1)(else=0) into ad16.
RECODE ageof (16 thru 59=1)(ELSE=0) INTO ad1659.
RECODE ageof (0 thru 15=1)(ELSE=0) INTO chld015.
RECODE ageof (60 thru hi=1)(ELSE=0) INTO ad60.
AGGREGATE OUTFILE="F:\secure\hhdtypb.sav"
 /break=hhserial
 /adults=SUM(ad16)
 /ch015=SUM(chld015)
 /adyoung=SUM(ad1659)
 /adold=SUM(ad60).

GET FILE="F:\secure\hhdtypb.sav".
missing values all().

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".

* this can then be matched into the datafile.
```

INDIVIDUAL

irndage (D) age at interview rounded to the nearest integer
nrndage (D) age at nurse visit rounded to the nearest integer

```
* age at interview rounded

* interview date .
compute dintb=numbr(subst(intdate,1,2),f2).
compute mintb=numbr(subst(intdate,3,2),f2).
compute yintb=numbr(subst(intdate,5,4),f4).
exe.

* nurse date.
compute visday=numbr(subst(NurDate,1,2),f2).
```

```
compute vismon=numbr(subst(NurDate,3,2),f2).
compute visyr=numbr(subst(NurDate,5,4),f4).
exe.

COMPUTE irndage = -1 .
COMPUTE nrndage = -1 .
COMPUTE idate = DATE.DMY(dintb,mintb,yintb) .
COMPUTE ndate = DATE.DMY(visday,vismon,visyr) .
COMPUTE dobdate = DATE.DMY(DoBDay,DoBMonth,DoBYear) .
exe.

IF (dobdate > 0) irndage = RND((idate-dobdate)/(86400*365.25)) .
IF (dobdate > 0 & ndate > 0) nrndage = RND((ndate-dobdate)/(86400*365.25)) .
VARIABLE LABELS irndage "(D) age at interview rounded to the nearest integer".
VARIABLE LABELS nrndage "(D) age at nurse visit rounded to the nearest integer".
VALUE LABELS irndage nrndage -1 'not applicable' .
```

ag16g10 (D) Age 16+ in ten year bands

```
** ag16g10
RECODE  age  (16 thru 24=1)  (25 thru 34=2)  (35 thru 44=3)
  (45 thru 54=4)  (55 thru 64=5)  (65 thru 74=6) (75 thru Hi=7)
  (0 thru 15=-1)  INTO  ag16g10 .
VALUE LABELS ag16g10
  1 16-24
  2 25-34
  3 35-44
  4 45-54
  5 55-64
  6 65-74
  7 75+.
VARIABLE LABEL ag16g10 “(D) Age 16+ in ten year bands”.
exe.
```

ag16g3 (D) Age 16+ in 3 groups

```
* ag16g3
RECODE age (0 thru 15=-1) (16 thru 44 =1) (45 thru 64=2) (65 thru hi=3) INTO ag16g3.
VALUE LABELS ag16g3
 -1 Item not applicable
1 16-44
2 45-64
3 65+.
VARIABLE LABEL ag16g3 “(D) Age 16+ in 3 groups”.
exe.
```

ag16g4 (D) age 16+ - four groups
smkage (D) Age banded for smoking table (18+)

```
* ag16g4.

RECODE age (0 thru 15=-1) (16 thru 44 =1) (45 thru 64=2) (65 thru 74=3)(75 thru HI=4) (else=-1)
INTO ag16g4.
```

```
VARIABLE LABEL ag16g4 "(D) age 16+ - four groups".
VALUE LABELS ag16g4
1 "16-44"
2 "45-64"
3 "65-74"
4 "75+".
exe.

* age DV.

recode age (0 thru 17=-1)(18 thru 34=1)(35 thru 54=2)(55 thru 74=3)(75 thru hi=4)into smkage.
var label smkage "(D) Age banded for smoking table (18+)".
value labels smkage 1 '18-34' 2 '35-54' 3 '55-74' 4'75+'.
exe.
```

ag015g2 (D) Age 0-15 in two year bands
ag215g3 (D) Age 2-15: Approx 3 year age bands
ag415g3 (D) Age 4-15: 3 year age bands
ag515g3 (D) Age 5-15: Approx 3 year age bands
ag715g3 (D) Age 7-15: 3 year age bands

```
* CHILDREN GROUPED AGE.

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)  (16 thru Hi=-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".
exe.

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".
exe.


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".

missing values ag415g3 (-1).
freq ag415g3.

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".


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".
```

comp95 (D) Adults aged 16-64
comp98 (D) Children 2-15 & Adults 16-74

```
* comp98 and comp95.

recode age (16 thru 64=1) (else=0) into comp95.
variable label comp95 "adults aged 16-64".
value labels comp95
 0 "children/65+"
 1 "adults aged 16-64".
exe.

recode age (16 thru 74=1) (2-15=2) (else=0) into comp98.
variable label comp98 "adults aged 16-74/kids 2-15".
value labels comp98
 0 "children 0-2/75+"
 1 "adults aged 16-74"
 2 "children 2-15".
exe.
```

resptyp (D) respondent category

```
*RESPTYP.

recode age (0 thru 15=1) (16 thru hi=2) into resptyp.
variable label resptyp "(D) respondent category".
value labels resptyp
 1 "children"
 2 "adults".
recode resptyp (sysmis=-1) (else=copy).
```

maritalg (D) Marital status - grouped

```
* new marital status variable created for 2008 regressions.

RECODE marital8 (1=3)(2,3=1)(4,5=4)(6,7=5)(8,9=6)(else=copy) into maritalg.
RECODE couple (1,3=2) INTO maritalg.
VAR LABEL maritalg "(D) Marital status - grouped".
VALUE LABELS maritalg 1 "Married/civil partnership"
                      2 "Living as married"
                      3 "Single"
                      4  "Married/civil partnership - separated"
                      5 " Divorced/dissolved civil partnership"
                      6 "Widowed/surviving civil partner".

missing values maritalg (lo thru -1).
```

BOOKLET ADMIN

booklet (D) Which self-completion

```
** BOOKLET.
RECODE age (0 thru 3=-1)(4 thru 12=1)(13 thru 15=2)(16 thru 17=3)(18 thru hi=4)
  INTO booklet.
IF range(age,18,19) & bookchk=2 booklet=3.
VARIABLE LABELS booklet "(D) Which self-completion".
VALUE LABELS booklet
  1 " 4-12"
  2 "13-15"
  3 "Young Adults"
  4 "Adults".
```

GENERAL HEALTH

SELF-ASSESSED GENERAL HEALTH

genhelf2 (D) Self-assessed general health – grouped
lifesat2 (D) Life satisfaction (grouped)

```
** GENHELF2.

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'.

** LIFESAT2

recode lifesat (0 thru 7=1)(8=2)(9 thru 10=3) (else=copy) into lifesat2.
var label lifesat2 "(D) Life satisfaction (grouped)".
value labels lifesat2
-9 "Refused/not answered"
```

```
-8 "Don't know"
-2 "Schedule not applicable"
1 "below the mode (0 to 7)"
2 "mode (8)"
3 "above the mode (9-10)".
fre lifesat2.
cro lifesat by lifesat2.
```

USE OF SERVICES

talkdoc (D) Talked to doctor in last 2 weeks
numdoc (D) Number of times talked to doctor in last 2 weeks
numdocg2 (D) Number GP 2 weeks (grouped)
numdocg3 (D) Number GP 2 weeks (grouped)
numyear (D) Number of GP consultations per year
numyear2 (D) Number of GP consultations per year - ALL 16+

```
* combining syntax for CVD and non-CVD respondents.

** combine macro.

DEFINE mcomcb (!POS !TOKENS(1)/!POS !TOKENS(1) /!POS !TOKENS(1)).
COMPUTE !3=-1.
RECODE !1 (-9 thru -6=COPY) (0 thru hi=COPY) INTO !3.
RECODE !2 (-9 thru -6=COPY) (0 thru hi=COPY) INTO !3.
!ENDDEFINE.

MCOMCB doctalk doctalkn talkdoc.
VARIABLE LABELS talkdoc "(D) Talked to doctor in last 2 weeks".
VALUE LABELS talkdoc 1 "Yes" 2 "No".

* doctalk for tables (16+ only).

freq doctalk doctalkN talkdoc.
MCOMCB docnum docnumn numdoc.
VARIABLE LABELS numdoc "(D) Number of times talked to doctor in last 2 weeks".
freq docnum docnumn numdoc.

RECODE numdoc (1=1) (2=2) (3 thru hi=3) (else=copy) INTO numdocg2.
VARIABLE LABEL numdocg2 "(D) number GP 2 weeks (grouped)".
VALUE LABELS numdocg2
1 "once"
2 "twice"
3 "3 or more times".
freq numdocg2.

* DV for table for ALL 16+.
* if did not talk to doctor then set to 0.

RECODE numdoc (1=1) (2=2) (3 thru hi=3) (else=copy) INTO numdocg3.
IF talkdoc=2 numdocg3=0.
IF age lt 16 numdocg3=-2.
VARIABLE LABEL numdocg3 "(D) number GP 2 weeks - ALL 16+".
VALUE LABELS numdocg3
0 "did not talk to doctor in last  2 weeks"
```

```
1 "once"
2 "twice"
3 "3 or more times".

* whether talked to doctor - AGE 16+.

compute talkdoc2=talkdoc.
IF age lt 16 talkdoc2=-2.
VARIABLE LABELS talkdoc2 "(D) Talked to doctor in last 2 weeks - ALL 16+".
VALUE LABELS talkdoc 1 "Yes" 2 "No".
cro talkdoc by talkdoc2.

* estimated number of visits in year.

COMPUTE numyear=-1.
IF talkdoc=2 numyear=0.
DO IF talkdoc=1.
COMPUTE numyear=numdoc*26.
END IF.
if (talkdoc<1) numyear=talkdoc.
VARIABLE LABELS numyear "(D) Number of GP consultations per year - ALL".
freq numyear.
cro numyear by talkdoc.

* numyear version for adults table.

compute numyear2=numyear.
if age lt 16 numyear2=-2.
VARIABLE LABELS numyear2 "(D) Number of GP consultations per year - ALL 16+".
```

```
** HOSPITAL UTILISATION FOR ALL.

* combining macro.

DEFINE mcomcb (!POS !TOKENS(1)/!POS !TOKENS(1) /!POS !TOKENS(1)).
COMPUTE !3=-1.
RECODE !1 (-9 thru -6=COPY) (0 thru hi=COPY) INTO !3.
RECODE !2 (-9 thru -6=COPY) (0 thru hi=COPY) INTO !3.
!ENDDEFINE.

** combine in-patient variables.

MCOMCB inpat inpatn inpatnt.
VARIABLE LABELS inpatnt "(D) In-patient in hospital in last 12 months - ALL".
VALUE LABELS inpatnt 1 "Yes" 2 "No".
missing values inpatnt (lo thru -1).

* combine outpatient variables

MCOMCB outpat outpatn outpatnt.
VARIABLE LABELS outpatnt "(D) Out-patient in hospital in last 12 months - ALL".
VALUE LABELS outpatnt 1 "Yes" 2 "No".
missing values outpatnt (lo thru -1).
```

LONGSTANDING ILLNESS

limitill (D) Limiting longstanding illness

```
* LIMITILL.

RECODE longill (1=2) (2=3) (ELSE=COPY) INTO limitill.
IF any(1,limitac1,limitac2,limitac3,limitac4,limitac5,limitac6) limitill=1.
VARIABLE LABEL limitill '(D) Limiting longstanding illness'.
VALUE LABLES limitill
  1 'Limiting LI'
  2 'Non limiting LI'
  3 'No LI'.
```

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

```
** COMPM series.
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.
cro compm1 compm2 compm3 compm4 compm5 compm6 compm7 compm8
 compm9 compm10 compm11 compm12 compm13 compm14 compm15 compm17 compm18 by
longill.

DO REPEAT xill=illcode1 illcode2 illcode3 illcode4 illcode5 illcode6.
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(illcode1,41,42,-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'.
```

condcnt (D) Number of grouped condition categories
condcnt2 (D) Number of grouped conditions - 4 plus
condcnt4 (D) Number of grouped conditions (all those with illness)
condcnt3 (D) Number of grouped conditions - 2 plus

```
** condcnt.

IF (longill = 2) condcnt = 0 .
DO IF (longill = 1).
COUNT condcnt = compm1 TO compm15 (1) .
END IF .
IF (longill = 1 & (any(illcode1,41,42,97,99) | illcode1<0)) condcnt = 1 .
IF (longill<0) condcnt = -9.
VARIABLE LABEL condcnt "(D) Number of grouped condition categories" .
VALUE LABELS condcnt
   0 'no LS illness'.

RECODE condcnt (4 thru hi=4)(ELSE=COPY) INTO condcnt2.
VARIABLE LABEL condcnt2 "(D) Number of grouped conditions - 4 plus" .
VALUE LABELS condcnt2
```

```
  0 'no LS illness'
  4 '4 or more'.

** condcnt4.

COMPUTE condcnt4=condcnt.
IF (longill = 2) condcnt4 = -1.
VARIABLE LABEL condcnt4 "(D) Number of grouped conditions (all those with illness)" .
cro condcnt by condcnt4.


** FOR 2008 re-grouped to 3 categories 0,1,2 or more.

RECODE condcnt (2 thru hi=2)(ELSE=COPY) INTO condcnt3.
VARIABLE LABEL condcnt3 "(D) Number of grouped conditions - 2 plus" .
VALUE LABELS condcnt3
  0 'no LS illness'
  1 'One LS illness'
   2'2 or more LS illnesses'.
```

WELLBEING AND MENTAL HEALTH

GHQ12

ghq12scr (D) GHQ Score - 12 point scale
ghqg2 (D) GHQ Score - grouped (0,1-3,4+)

```
** GHQ12SCR GHQG2.

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

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+'.
```

WEMWBS

wemwbs (D) WEMWBS score
wemgp (D) mental wellbeing (3 groups)

```
* WEMWBS score for 2008.

* asked in adult and young adult Self-completions.
* set to -9 is any item not answered, -1 if other type of SC or SC -1.

COMPUTE wemwbs = 0 .
DO REPEAT Wtemp=OPTIM to CHEER.
   if (WTEMP >=1) wemwbs=wemwbs+wtemp.
END REPEAT.
IF (ANY(-9,OPTIM to CHEER)) wemwbs=-9 .
IF NOT ANY(typesc,1,2 ) wemwbs=-1.
VARIABLE LABEL wemwbs "(D) WEMWBS score".
EXE.

creating wemwbs 3 group classification.

weight off.

* first get mean & SD for adult population.

temp.
select if age ge 16.
DESCRIPTIVES
  VARIABLES=wemwbs
  /STATISTICS=MEAN STDDEV MIN MAX .

temp.
select if age ge 16.
MEANS
  TABLES=wemwbs  BY Sex
  /CELLS MEAN MIN MAX COUNT STDDEV  .

temp.
select if age ge 16.
MEANS
  TABLES=wemwbs  BY ag16g10
  /CELLS MEAN MIN MAX COUNT STDDEV  .

* then use the mean & sd for all adults to create the groups boundaries.

* for the 2008 data the mean was 49.95 and the SD was 8.48.

compute wemhi=49.95+8.48.
compute wemlo=49.95-8.48.

* then set group for individuals.

if (wemwbs gt wemhi)wemgp=1.
if (wemwbs le wemhi and wemwbs ge wemlo)wemgp=2.
if (wemwbs lt wemlo)wemgp=3.
```

```
END IF.
VAR LABEL wemgp "mental wellbeing (3 groups)".
VALUE LABELS wemgp 1"good mental wellbeing"
                   2"average mental wellbeing
                   3"low mental wellbeing"

recode wemwbs(lo thru -1=copy) into wemgp.

missing values wemwbs wemgp (lo thru -1).
```

STRENGTH AND DIFFICULTIES QUESTIONNAIRE

sdq_pro (D) SDQ Prosocial Dimension Score
sdq_hyp (D) SDQ Hyperactivity Dimension Score
sdq_emo (D) SDQ Emotional Symptoms Dimension Score
sdq_con (D) SDQ Conduct Disorder Dimension Score
sdq_pee (D) SDQ Peer Problems Dimension Score
sdq_tot (D) SDQ Total Dimension Score (excl. Prosocial).

```
*** SDQ calculations.

* set macros.
DEFINE mposx (!POS !CMDEND).
!LET !vin=!CONCAT("sdq",!1).
!LET !vout=!CONCAT("xdq",!1).
RECODE !vin (1=0) (2=1) (3=2) (ELSE=0) INTO !vout.
!ENDDEFINE.
DEFINE mnegx (!POS !CMDEND).
!LET !vin=!CONCAT("sdq",!1).
!LET !vout=!CONCAT("xdq",!1).
RECODE !vin (1=2) (2=1) (3=0) (ELSE=0) INTO !vout.
!ENDDEFINE.

** SDQ scores.
* Count current missings.

COUNT xpro= sdqfeel sdqshare sdqhelp sdqkind sdqvols (-9).
COUNT xhyp= sdqhyper sdqfidgt sdqdaze sdqthink sdqtend (-9).
COUNT xemo= sdqaches sdqworry sdqsad sdqcling sdqfears (-9).
COUNT xcon= sdqtempr sdqobeys sdqfight sdqlies sdqsteal (-9).
COUNT xpee= sdqalone sdqpal sdqliked sdqbulld sdqadult (-9).
exe.
* Copy and recode scales using macros.
MPOSX feel.
MPOSX share.
MPOSX help.
MPOSX kind.
MPOSX vols.
MPOSX hyper.
MPOSX fidgt.
MPOSX daze.
MPOSX aches.
MPOSX worry.
```

```
MPOSX sad.
MPOSX cling.
MPOSX fears.
MPOSX tempr.
MPOSX fight.
MPOSX lies.
MPOSX steal.
MPOSX alone.
MPOSX bulld.
MPOSX adult.
MNEGX obeys.
MNEGX pal.
MNEGX liked.
MNEGX think.
MNEGX tend.
exe.
* Compute dimension scores.
COMPUTE sdq_pro= xdqfeel + xdqshare + xdqhelp + xdqkind + xdqvols.
COMPUTE sdq_hyp= xdqhyper + xdqfidgt + xdqdaze + xdqthink + xdqtend.
COMPUTE sdq_emo= xdqaches + xdqworry + xdqsad + xdqcling + xdqfears.
COMPUTE sdq_con= xdqtempr + xdqobeys + xdqfight + xdqlies + xdqsteal.
COMPUTE sdq_pee= xdqalone + xdqpal + xdqliked + xdqbulld + xdqadult.
exe.
* Check missing data.
IF (xpro<=2) sdq_pro=sdq_pro*5/(5-xpro).
IF (xpro>2) sdq_pro=-9.
IF (xhyp<=2) sdq_hyp=sdq_hyp*5/(5-xhyp).
IF (xhyp>2) sdq_hyp=-9.
IF (xemo<=2) sdq_emo=sdq_emo*5/(5-xemo).
IF (xemo>2) sdq_emo=-9.
IF (xcon<=2) sdq_con=sdq_con*5/(5-xcon).
IF (xcon>2) sdq_con=-9.
IF (xpee<=2) sdq_pee=sdq_pee*5/(5-xpee).
IF (xpee>2) sdq_pee=-9.
COMPUTE sdq_tot= sdq_hyp + sdq_emo + sdq_con + sdq_pee.
IF (ANY(-9,sdq_pro,sdq_hyp,sdq_emo,sdq_con,sdq_pee)) sdq_tot=-9.
exe.

* Reset missing values for dimensions & total.
DO IF (RANGE(sdqfeel,-6,-1)).
COMPUTE sdq_pro=sdqfeel.
COMPUTE sdq_hyp=sdqfeel.
COMPUTE sdq_emo=sdqfeel.
COMPUTE sdq_con=sdqfeel.
COMPUTE sdq_pee=sdqfeel.
COMPUTE sdq_tot=sdqfeel.
END IF.
DO IF ~RANGE(age,4,15).
COMPUTE sdq_pro=-2.
COMPUTE sdq_hyp=-2.
COMPUTE sdq_emo=-2.
COMPUTE sdq_con=-2.
COMPUTE sdq_pee=-2.
COMPUTE sdq_tot=-2.
END IF.
VARIABLE LABELS sdq_pro "(D) SDQ Prosocial Dimension Score"
```

```
  /sdq_hyp "(D) SDQ Hyperactivity Dimension Score"
  /sdq_emo "(D) SDQ Emotional Symptoms Dimension Score"
  /sdq_con "(D) SDQ Conduct Disorder Dimension Score"
  /sdq_pee "(D) SDQ Peer Problems Dimension Score"
  /sdq_tot "(D) SDQ Total Dimension Score (excl. Prosocial)".
```

sdq_prog (D) SDQ Prosocial behaviour dimension (grouped 6-10,5,0-4)
sdq_hypg (D) SDQ Hyperactivity dimension (grouped 0-5,6,7-10)
sdq_emog (D) SDQ Emotional Symptoms dimension (grouped 0-3,4,5-10)
sdq_cong (D) SDQ Conduct Disorder dimension (grouped 0-2,3,4-10)
sdq_peeg (D) SDQ Peer problems dimension (grouped 0-2,3,4-10)
sdq_totg (D) SDQ Total dimension (grouped 0-13,14-16,17-40)

```
** grouped SDQ dimensions.

RECODE sdq_pro (5.5 THRU 10=1)(4.5 thru 5.5=2)(0 THRU 4.5=3)(-9 thru -1=COPY)
 INTO sdq_prog.
RECODE sdq_hyp (6.5 THRU 10=3)(5.5 thru 6.5=2)(0 THRU 5.5=1)(-9 thru -1=COPY)
INTO sdq_hypg.
RECODE sdq_emo (4.5 THRU 10=3)(3.5 thru 4.5=2)(0 THRU 3.5=1)(-9 thru -1=COPY)
 INTO sdq_emog.
RECODE sdq_con (3.5 THRU 10=3)(2.5 thru 3.5=2)(0 THRU 2.5=1)(-9 thru -1=COPY)
 INTO sdq_cong.
RECODE sdq_pee (3.5 THRU 10=3)(2.5 thru 3.5=2)(0 THRU 2.5=1)(-9 thru -1=COPY)
 INTO sdq_peeg.
RECODE sdq_tot (16.5 THRU 40=3)(13.5 THRU 16.5=2)(0 THRU 13.5=1)(-9 thru -1=COPY)
 INTO sdq_totg.
VARIABLE LABELS
        sdq_prog '(D) SDQ Prosocial behaviour dimension (grouped 6-10,5,0-4)'
       /sdq_hypg '(D) SDQ Hyperactivity dimension (grouped 0-5,6,7-10)'
       /sdq_emog '(D) SDQ Emotional Symptoms dimension (grouped 0-3,4,5-10)'
       /sdq_cong '(D) SDQ Conduct Disorder dimension (grouped 0-2,3,4-10)'
       /sdq_peeg '(D) SDQ Peer problems dimension (grouped 0-2,3,4-10)'
       /sdq_totg '(D) SDQ Total dimension (grouped 0-13,14-16,17-40)'.
VALUE LABELS
        sdq_prog 1 '6-10' 2 '5' 3 '0-4'
       /sdq_hypg 1 '0-5' 2 '6' 3 '7-10'
       /sdq_emog 1 '0-3' 2 '4' 3 '5-10'
       /sdq_cong 1 '0-2' 2 '3' 3 '4-10'
       /sdq_peeg 1 '0-2' 2 '3' 3 '4-10'
        /sdq_totg 1 '0-13' 2 '14-16' 3 '17-40' .
```

CLINICAL INTERVIEW SCHEDULE REVISED (DEPRESSION, ANXIETY, DELIBERATE SELF-HARM)

depsymp (D) Number of depression symptoms
depany (D) Any depression symptoms
depany2 (D) One or more depression symptoms
anxsymp (D) Number of anxiety symptoms
anxany (D) Any anxiety symptoms
anxany2 (D) One or more anxiety symptoms
suicide (D) Attempted to take own life
suicide2 (D) Suicide recoded
suicide3 (D) Suicide2 recoded - 2 categories

```
* Depression
* count of symptoms.

compute depsymp=0.
IF G5=2 depsymp=depsymp+1.
IF G6=1 depsymp=depsymp+1.
IF G7=1 depsymp=depsymp+1.
IF G9=2 depsymp=depsymp+1.
IF nurind=0 or age lt 16 depsymp=-2.
IF ANY (-9, G1,G2,G4,G5 to G9)depsymp=-9.
IF ANY (-8, G1,G2,G4,G5 to G9)depsymp=-8.
IF (nurout =800 or nurout gt 810 or nurse=2 or iout=21) depsymp=-1.
var label depsymp "(D) Number of depression symptoms".

* whether has any symptoms.

recode depsymp (0=0)(1 thru hi=1)(else=copy)into depany.
var label depany "(D) Any depression symptoms".
value labels depany 0 "No depression symptoms"
                            1"One or more depression symptoms".

recode depsymp (0=0)(1=1)(2 thru hi=2) (else=copy) into depany2.
var label depany2 (D) "One or more depression symptoms".
value labels depany2
0 "No depression symptoms"
1 "1 depression symptom"
2 "2 or more depression symptoms".


* Anxiety.
compute anxsymp=0.
IF J6=1 anxsymp=anxsymp+1.
IF J7=1 anxsymp=anxsymp+1.
IF J8=1 anxsymp=anxsymp+1.
IF J9=1 anxsymp=anxsymp+1.
IF J10=1 anxsymp=anxsymp+1.
IF nurind=0 or age lt 16 anxsymp=-2.
IF ANY (-9, J1,J3,J5,J6,J7,J8,J9,J10)anxsymp=-9.
IF ANY (-8, J1,J3,J5,J6,J7,J8,J9,J10)anxsymp=-8.
IF (nurout =800 or nurout gt 810 or nurse=2 or iout=21) anxsymp=-1.
var label anxsymp "(D) Number of anxiety symptoms".

* whether has any symptoms.
```

```
recode anxsymp (0=0)(1 thru hi=1)(else=copy)into anxany.
var label anxany "(D) Any anxiety symptoms".
value labels anxany 0 "No anxiety symptoms"
                    1"One or more anxiety symptoms".

recode anxsymp (0=0)(1=1)(2 thru hi=2) (else=copy) into anxany2.
var label anxsymp (D) "One or more anxiety symptoms".
value labels anxany2
0 "No anxiety symptoms"
1 "1 anxiety symptom"
2 "2 or more anxiety symptoms".

* Suicide.
Compute suicide =-5.
IF DSH4=1 and DSH4a=1 suicide=1.
IF DSH4=1 and DSH4a=2 suicide=2.
IF DSH4=1 and DSH4a=3 suicide=3.
IF DSH4=2 suicide=4.
IF nurind=0 or age lt 16 suicide=-2.
IF ANY (-9, DSH4, DSH4a)suicide=-9.
IF ANY (-8, DSH4, DSH4a)anxsymp=-8.
IF (nurout =800 or nurout gt 810 or nurse=2 or iout=21) suicide=-1.
var label suicide "(D) Attempted to take own life".
value labels suicide 1"Yes, in last week"
                     2 "Yes, in last year"
                     3 "Yes, at some other time"
                     4 "No".

* suicide2.
recode suicide (1,2=1)(3=2)(4=3)(else=copy) into suicide2.
var lab suicide2 'suicide recoded'.
val lab suicide2 1'Yes in last year (inc last week)' 2'Yes longer than year' 3'No'.

missing values suicide2 (lo thru -1).

*Suicide3.

recode suicide2 (1,2=1)(3=2)(else=copy) into suicide3.
var lab suicide3 'suicide2 recoded'.
val labs suicide3 1'yes ever' 2'no-never'.
```

CVD

CVD CONDITIONS

cvddef (D) Had cardiovascular condition

```
** cvddef.
IF (ANY(2,murmur1,diabete2,bp1,angidef,heartdef,iregdef,ohtdef,
  strodef)) cvddef=2.
IF (ANY(1,murmur1,diabete2,bp1,angidef,heartdef,iregdef,ohtdef,
  strodef)) cvddef=1.
```

```
IF (ANY(-9,murmur1,diabete2,bp1,angidef,heartdef,iregdef,ohtdef,
  strodef)) cvddef=-9.
IF (ANY(-8,murmur1,diabete2,bp1,angidef,heartdef,iregdef,ohtdef,
  strodef)) cvddef=-8.
IF (age lt 16)cvddef=-2.
VARIABLE LABELS cvddef "(D) Had cardiovascular condition".
VALUE LABELS cvddef 1 Yes 2 No.
```

cvddef1 (D) Had cardiovascular condition (excluding diabetes/high BP)

```
**cvddef1 CVD excluding diabetes/high BP.
IF (ANY(2,murmur1,angidef,heartdef,iregdef,ohtdef,
  strodef)) cvddef1=2.
IF (ANY(1,murmur1,angidef,heartdef,iregdef,ohtdef,
  strodef)) cvddef1=1.
IF (ANY(-9,murmur1,angidef,heartdef,iregdef,ohtdef,
  strodef)) cvddef1=-9.
IF (ANY(-8,murmur1,angidef,heartdef,iregdef,ohtdef,
  strodef)) cvddef1=-8.
IF (AGE lt 16) cvddef1=-2.
VARIABLE LABELS cvddef1 "(D) Had cardiovascular condition (excluding diabetes/high BP)".
VALUE LABELS cvddef1 1 Yes 2 No -2 Children, 0-15.
execute.
```

cvddef2 (D) Had cardiovascular condition (incl diabetes/excl. high BP)

```
** cvddef2 CVD including diabetes, excluding high blook pressure.
IF (ANY(2,murmur1,angidef,heartdef,iregdef,ohtdef,
  strodef,diabete2)) cvddef2=2.
IF (ANY(1,murmur1,angidef,heartdef,iregdef,ohtdef,
  strodef,diabete2)) cvddef2=1.
IF (ANY(-9,murmur1,angidef,heartdef,iregdef,ohtdef,
  strodef,diabete2)) cvddef2=-9.
IF (ANY(-8,murmur1,angidef,heartdef,iregdef,ohtdef,
  strodef,diabete2)) cvddef2=-8.
IF (AGE lt 16) cvddef2=-2.
VARIABLE LABELS cvddef2 "(D) Had cardiovascular condition (incl diabetes/excl. high BP)".
VALUE LABELS cvddef2 1 Yes 2 No.
execute.
```

ihdis (D) Had IHD (Angina or Heart Attack)

```
** ihdis.
IF (ANY(2,angidef,heartdef)) ihdis=2.
IF (ANY(1,angidef,heartdef)) ihdis=1.
IF (ANY(-9,angidef,heartdef)) ihdis=-9.
IF (ANY(-8,angidef,heartdef)) ihdis=-8.
IF (age lt 16)ihdis=-2.
VARIABLE LABELS ihdis "(D) Had IHD (Angina or Heart Attack)".
VALUE LABELS ihdis 1 Yes 2 No.
```

cvdis (D) Had CVD (Angina, Heart Attack or Stroke)

```
*** cvdis.
IF (ANY(2,angidef,heartdef,strodef)) cvdis=2.
```

```
IF (ANY(1,angidef,heartdef,strodef)) cvdis=1.
IF (ANY(-9,angidef,heartdef,strodef)) cvdis=-9.
IF (ANY(-8,angidef,heartdef,strodef)) cvdis=-8.
IF (age lt 16) cvdis=-2.
VARIABLE LABELS cvdis “(D) Had CVD (Angina, Heart Attack or Stroke)”.
VALUE LABELS cvdis 1 Yes 2 No.
```

INTERMITTTENT CLAUDICATION

claudi (D) With intermittent claudication

```
**Claudi*.

missing values legpain stansit walkup still wherep1 wherep2 wherep3 ().

DO IF (legpain=1 & stansit=2 & walkup=1 & still=2 &
      (wherep1=1 | wherep2=1)).
COMPUTE claudi=1.
ELSE IF (legpain=2 | stansit=1 | walkup=2 | still=1 |
       wherep3=1).
COMPUTE claudi=2.
ELSE IF (stansit=-8 | walkup=-8 | walkup=3 | still=-8 | wherep1=-8).
COMPUTE claudi=3.
ELSE IF (legpain=3).
COMPUTE claudi=4.
ELSE.
COMPUTE claudi=-1.
END IF.
VAR LAB claudi '(D) With intermittent claudication'.
VAL LAB claudi  1 'Yes'
             2 'No'
             3 'Incomplete answer'
             4 'Not applicable-cannot walk'.
execute.
```

clautype (D) Type of intermittent claudication

```
** claudtype.
missing values claudi ().
DO IF (claudi=1).
 if wherep1=1 clautype=1.
 if wherep2=1 and  wherep1 ne 1 clautype=2.
ELSE.
COMPUTE clautype=-1.
END IF.
VAR LAB clautype '(D) Type of intermittent claudication'.
VAL LAB clautype  1 'Definite claudication'
               2 'Atypical claudication'
              -1 'Not applicable'.
execute.
```

claugrad (D) Claudication grade

```
COMPUTE claugrad=-1.
```

```
DO IF claudi=1.
IF (levelord=2) claugrad=1.
IF (levelord=1) claugrad=2.
IF (levelord=3) claugrad=3.
END IF.
VAR LAB claugrad '(D) Claudication grade'.
VAL LAB claugrad
            -1 ' not applicable'
            1 'Grade 1'
            2 'Grade 2'
            3 'Never walks at ordinary pace on the level'.
execute.
```

intclaud (D) Claudication grade

```
COMPUTE intclaud=-1.
IF (claugrad = 1) intclaud= 1 .
IF (claugrad = 2) intclaud = 2 .
IF (claudi=2) intclaud=3.
IF (claudi=3) intclaud=-8.
EXECUTE .
VAL LABELS intclaud
1 'Grade 1'
2 'Grade 2'
3 'No'
-1 ' not applicable'
-8 ' incomplete answer'.
VAR LAB intclaud '(D) Claudication grade'.
```

BLOOD PRESSURE

bp1 (D) Doctor diagnosed high blood pressure (excluding pregnant)
currbp (D) Currently has high bp

```
** bp1.
RECODE docnurbp (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO bp1.
IF (sex=2 & nopregbp=2) bp1=2.
IF (ANY(-9,docnurbp,pregbp,nopregbp)) bp1=-9.
IF (ANY(-8,docnurbp,pregbp,nopregbp)) bp1=-8.
IF (age lt 16)bp1=-2.
VARIABLE LABEL bp1 “(D) Doctor diagnosed high blood pressure (excluding pregnant)”.
VALUE LABELS bp1
  1 Yes
  2 No.
exe.

*CURRENT BP.

compute currbp = -1.
do if (bp1 eq 1 and (medcinbp eq 1 or stillbp eq 1)).
compute currbp = 1.
else if ((bp1 eq 1 and medcinbp eq 2 and stillbp eq 2) or bp1 eq 2).
compute currbp = 2.
```

```
else if (bp1 eq 1 and (medcinbp eq -8 or stillbp eq -8)).
compute currbp = -8.
else if (bp1 eq -9 or medcinbp eq -9 or stillbp eq -9).
compute currbp = -9.
end if.
if ischild=1 currbp=-2.

VAR LAB currbp '(D) Currently has high bp'.
VAL LAB currbp 1'Yes'  2 'No'.
```

CHD/STROKE

heartdef (D) Doctor diagnosed heart attack
recheart2 (D) Heart attack in last 12 months

```
RECODE docheart (-1=2)(else=copy) into heartdef.
IF (AGE lt 16) heartdef=2.
VARIABLE LABELS heartdef “(D) Doctor diagnosed heart attack”.
VALUE LABELS heartdef 1 Yes 2 No.

RECODE recheart (-1=2)(else=copy) into recheart2.
IF (AGE lt 16) recheart2=-2.
VARIABLE LABELS recheart2 "(D) Heart attack in last 12 months".
VALUE LABELS recheart2 1 "Yes" 2 "No".
```

strodef (D) Doctor diagnosed stroke
recstro2 (D) Stroke in last 12 months.

```
RECODE docstro (-1=2)(else=copy) into strodef.
IF (AGE lt 16) strodef =-2.
VARIABLE LABELS strodef “(D) Doctor diagnosed stroke”.
VALUE LABELS strodef  1 Yes 2 No.
**
RECODE recstro (-1=2)(else=copy) into recstro2.
IF (AGE lt 16) recstro2=-2.
VARIABLE LABELS recstro2 "(D) Stroke in last 12 months".
VALUE LABELS recstro2 1 "Yes" 2 "No".
```

ANGINA

angidef (D) Doctor diagnosed angina
recangi2 (D) Angina in last 12 months

```
RECODE docangi (-1=2)(else=copy) into angidef.
IF (AGE lt 16) angidef=-2.
VARIABLE LABELS angidef "(D) Doctor diagnosed angina".
VALUE LABELS angidef 1 "Yes" 2 "No".

** CVD in last 12 months - for all 16+.

RECODE recangi (-1=2)(else=copy) into recangi2.
IF (AGE lt 16) recangi2=-2.
VARIABLE LABELS recangi2 "(D) Angina in last 12 months".
VALUE LABELS recangi2 1 "Yes" 2 "No".
```

DIABETES

diabete2 (D) Doctor diagnosed diabetes (excluding pregnant)

```
** diabete2.
RECODE docinfo1 (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO diabete2.
IF (sex=2 & nopregdi=2) diabete2=2.
IF (ANY(-9,docinfo1,pregdi,nopregdi)) diabete2=-9.
IF (ANY(-8,docinfo1,pregdi,nopregdi)) diabete2=-8.
IF (age lt 16)diabete2=-2.
VARIABLE LABEL diabete2 “(D) Doctor diagnosed diabetes (excluding pregnant)”.
VALUE LABELS diabete2
  1 Yes
  2 No.
```

HEART MURMUR

murmur1 (D) Doctor diagnosed heart murmur (excluding pregnant)
murmur2 (D) Heart murmur in last year (excluding pregnant)

```
** murmur1.
RECODE murdoc (-9 thru -2=COPY) (1=1) (2=2) (-1=2) INTO murmur1.
IF (sex=2 & pregmur1=2) murmur1=2.
IF (ANY(-9,murdoc,pregmur,pregmur1)) murmur1=-9.
IF (ANY(-8,murdoc,pregmur,pregmur1)) murmur1=-8.
IF (age lt 16)murmur1=-2.
VARIABLE LABEL murmur1 “(D) Doctor diagnosed heart murmur (excluding pregnant)”.
VALUE LABELS murmur1
  1 Yes
  2 No.

* murmur in the past year.

COMPUTE murmur2= murrec .
IF( murmur1=2 ) murmur2=2.
IF (age lt 16)murmur2=-2.
VARIABLE LABEL murmur2 "(D) Heart murmur in last year (excluding pregnant)".
VALUE LABELS murmur1
  1 "Yes"
  2 "No".
```

OTHER CVD

iregdef (D) Doctor diagnosed irregular heart rhythym
recireg2 (D) Irregular heart rhythym in last 12 months

```
** iregdef.
RECODE docireg (-1=2)(else=copy) into iregdef.
IF (AGE lt 16) iregdef=-2.
VARIABLE LABELS iregdef “(D) Doctor diagnosed irregular heart rhythym”.
VALUE LABELS iregdef 1 Yes 2 No.
```

```
RECODE recireg (-1=2)(else=copy) into recireg2.
IF (AGE lt 16) recireg2=-2.
VARIABLE LABELS recireg2 "(D) Irregular heart rhythym in last 12 months".
VALUE LABELS recireg2 1 "Yes" 2 "No".
```

ohtdef (D) Doctor diagnosed other heart condition.
recoht2 (D) Other heart condition in last 12 months

```
** othdef.
RECODE docoht (-1=2)(else=copy) into ohtdef.
IF (AGE lt 16) ohtdef =-2.
VARIABLE LABELS ohtdef “(D) Doctor diagnosed other heart condition”.
VALUE LABELS ohtdef 1 Yes 2 No.

RECODE recoht (-1=2)(else=copy) into recoht2.
IF (AGE lt 16) recoht2=-2.
VARIABLE LABELS recoht2 "(D) Other heart condition in last 12 months".
VALUE LABELS recoht2 1 "Yes" 2 "No".
```

COPD

copddef (D) Doctor diagnosed COPD
CPDOth1A (D) CODP - Regular check up
CPDOth2A (D) COPD - Taking medication
CPDOth3A (D) COPD - Advice or treatement to stop smoking
CPDOth4A (D) CODP - Using oxygen
CPDOth5A (D) COPD - Immunisation against flu/pneumonococcus
CPDOth6A (D) COPD - Exercise/physical activity
CPDOth7A (D) COPD - Advice or treatement to lose weight
CPDOth8A (D) COPD - Other

```
** copddef.

RECODE copddoct (-1=2)(else=copy) into copddef.
IF AGE lt 16 copddef=-2.
VARIABLE LABELS copddef (D) Doctor diagnosed COPD.
VALUE LABELS copddef  1 Yes 2 No.

* COPD treatement - with base of ALL WITH COPD.

freq copddef.

DO REPEAT x=COPDOth1 COPDOth2 COPDOth3 COPDOth4 COPDOth5 COPDOth6
COPDOth7 COPDOth8
/ y=CPDOth1A CPDOth2A CPDOth3A CPDOth4A CPDOth5A CPDOth6A CPDOth7A
CPDOth8A.
RECODE x (-1=0)(else=copy) into y.
RECODE copddef (lo thru -1=copy) (2=-1) into y.
IF AGE lt 16 y=-2.
END repeat.

freq COPDOth1 CPDOth1A copddef.
cro CPDOth1A by copddef.
freq COPDOth2 CPDOth2A copddef.
```

```
var labels
CPDOth1A  "(D) CODP - Regular check up"
CPDOth2A "(D) COPD - Taking medication"
CPDOth3A  "(D) COPD - Advice or treatement to stop smoking"
CPDOth4A "(D) CODP - Using oxygen"
CPDOth5A "(D) COPD - Immunisation against flu/pneumonococcus"
CPDOth6A "(D) COPD - Exercise/physical activity"
CPDOth7A "(D) COPD - Advice or treatement to lose weight"
CPDOth8A "(D) COPD - Other".

missing values CPDOth1A CPDOth2A CPDOth3A CPDOth4A CPDOth5A CPDOth6A CPDOth7A
CPDOth8A (lo thru -1).
```

PARENTAL HISTORY

pacvdth (D) Father – CVD cause of death
macvdth (D) Mother – CVD cause of death
famcvd (D) One or both parents died of CVD by age 64

```
***CVDEATH - SYNTAX UPDATED FOR 2008.

COMPUTE Macvdth=-8.
IF ( LivemaB=2 AND (consmab ge 1 and consmab le 6) AND AgeMaB le 64) Macvdth=1.
IF ( LivemaB=2 AND (consmab ge 1 and consmab le 6) AND AgemaB gt 64) Macvdth=2.
IF (LiveMaB=2 AND consmab =7) Macvdth=3.
IF (LiveMaB=1) Macvdth=4.
IF age le 15 Macvdth=-2.

value labels Macvdth   1 “Mother died of CVD by age 64"
                        2 "Mother died of CVD age 65+"
                        3 "Mother died of something else"
                        4 "Mother still alive"
                       -2 "Schedule not applicable"
                       -8 "not enough information".

COMPUTE Pacvdth=-8.
IF ( LivepaB=2 AND (conspab ge 1 and conspab le 6) AND AgePaB le 64) Pacvdth=1.
IF ( LivepaB=2 AND (conspab ge 1 and conspab le 6) AND AgePaB gt 64) Pacvdth=2.
IF (LivePaB=2 AND conspab =7) Pacvdth=3.
IF (LivePaB=1) Pacvdth=4.
IF age le 15 Pacvdth=-2.

value labels Pacvdth    1 "Father died of CVD by age 64"
                        2 "Father died of CVD age 65+"
                        3 "Father died of something else"
                        4 "Father still alive"
                          -2 "Schedule not applicable"
                       -8 "not enough information".
exe.

var label Pacvdth "(D) Father - cause of death".
var label Macvdth "(D) Mother - cause of death".

** MA & PA COMBINED.
```

```
COMPUTE famcvd=2.
IF (Pacvdth =1 OR Macvdth =1) famcvd=1.
IF age le 15 famcvd=-2.
IF (Pacvdth=-8 AND Macvdth=-8) famcvd=-8.
VAR LAB famcvd '(D) One or both parents died of CVD before age 65'.

value labels famcvd 1"Yes"
                     2 "No"
                    -2 "Schedule not applicable"
                     -8 "not enough information".
exe.
```

USE OF SERVICES

numdocg2 (D) number GP 2 weeks (grouped)

```
** numdocg2.
RECODE numdoc (1=1) (2=2) (3 thru hi=3) (else=copy) INTO numdocg2.
VARIABLE LABEL numdocg2 "(D) number GP 2 weeks (grouped)".
VALUE LABELS numdocg2
1 "once"
2 "twice"
3 "3 or more times".
```

numyear (D) Number of GP consultations per year

```
** numyear.
COMPUTE numyear=-1.
IF talkdoc=2 numyear=0.
DO IF talkdoc=1.
COMPUTE numyear=numdoc*26.
END IF.
if (talkdoc<1) numyear=talkdoc.
VARIABLE LABELS numyear "(D) Number of GP consultations per year - ALL".
```

PHYSICAL ACTIVITY

ADULTS activity days

ad10hwk (D) Adults: Days 10+min heavy housework
ad10hwk2 (D) Adults: Days 10+min heavy housework (grouped)
ad10man (D) Adults: Days 10+min heavy manual/DIY
ad10man2 (D) Adults: Days 10+min heavy manual/DIY (grouped)
ad10wlk (D) Adults: Days 10+min brisk walk
ad10wlk2 (D) Adults: Days 10+min brisk walk (grouped)
ad10spt (D) Adults: Occasions 10+min sport
ad10spt2 (D) Adults: Occasions 10+min sport (grouped)

```
Compute ad10hwk=0.
IF (housewrk=2 or hwrklist=2 or hevyhwrk=2)ad10hwk=0.
IF (range(heavyday,1,28) AND range(hwtim,10,800)) ad10hwk=heavyday.
```

```
IF range (hwtim,0,9) ad10hwk=0.
IF any(-9,HrsHhw,Minhhw)|any(-8,HrsHhw,Minhhw) ad10hwk=-8.
IF any(-9,housewrk, hwrklist, hevyhwrk, heavyday, hwtim) ad10hwk=-9.
IF any(-8,housewrk, hwrklist, hevyhwrk, heavyday, hwtim) ad10hwk=-8.
IF range(age,0,15) ad10hwk=-2.
Recode ad10hwk (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy)
  INTO ad10hwk2.
variable label ad10hwk '(D) Adults: Days 10+min heavy housework'.
variable label ad10hwk2 '(D) Adults: Days 10+min heavy housework (grouped)'.
value labels ad10hwk -8 "don't know"
                          -9"not answered"
                          -2"schedule not applicable"
                          -1"item not applicable".
value labels ad10hwk2
                           -8 "don't know"
                          -9"not answered"
                            -2 "schedule not applicable"
                          -1"item not applicable"
                           0 'None'
                          1 '1 to 3 days'
                          2 '4 to 11 days'
                          3 '12 to 19 days'
                          4 '20 days or more'.

freq ad10hwk2 ad10hwk.

missing values HrsHhw Minhhw housewrk hwrklist hevyhwrk heavyday  hwtim ad10hwk
ad10hwk2 (lo thru -1).

* number of days heavy manual 10 mins +.

missing values garden gardlist manwork DIYTim HrsDIY MinDIY ().

Compute ad10man=0.
IF (garden=2 or gardlist=2 or manwork=2)ad10man=0.
IF any(-9,HrsDIY,MinDIY)|any(-8,HrsDIY,MinDIY) ad10man=-8.
IF any(-9,garden, gardlist,manwork, DIYTim) ad10man=-9.
IF any(-8,garden, gardlist,manwork, DIYTim) ad10man=-8.
IF (range(mandays,1,28) AND range(DIYTim,10,720)) ad10man=mandays.
IF range (DIYTim,0,9) ad10man=0.
IF range(age,0,15) ad10man=-2.
Recode ad10man (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy)
  INTO ad10man2.
variable label ad10man '(D) Adults: Days 10+min heavy manual/DIY'.
variable label ad10man2 '(D) Adults: Days 10+min heavy manual/DIY (grouped)'.
value labels ad10man2
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'
 4 '20 days or more'.

freq ad10man ad10man2.

missing values garden gardlist manwork DIYTim HrsDIY MinDIY ad10man  ad10man2 (lo thru -
1).
```

```
freq ad10man ad10man2.

* number of days walking 10 mins +.
* takes walkpace into account too.

missing values wlk5int Wlk10M DayWlk10 tottim Hrswlk minwlk ().
compute ad10wlk=0.
IF any(-9,Hrswlk,minwlk)|any(-8,Hrswlk,minwlk) ad10wlk=-8.
IF any(-9,wlk5int, Wlk10M,daywlk,tottim) ad10wlk=-9.
IF any(-8,wlk5int, Wlk10M,daywlk,tottim) ad10wlk=-8.
IF range(age,0,15) ad10wlk=-2.
IF (wlk5int=2 or wlk5int=3 or Wlk10M=2)ad10wlk=0.
IF (any(walkpace,1,2,5) OR range(tottim,0,9)) ad10wlk=0.
IF range(walkpace,3,4) & range(tottim,10,765) & range(daywlk,1,28)
   ad10wlk=daywlk.
Recode ad10wlk (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy)
 INTO ad10wlk2.
variable label ad10wlk '(D) Adults: Days 10+min brisk walk'.
variable label ad10wlk2 '(D) Adults: Days 10+min brisk walk (grouped)'.
value labels ad10wlk2
 0 'None'
 1 '1 to 3 days'
 2 '4 to 11 days'
 3 '12 to 19 days'
 4 '20 days or more'.

missing values wlk5int Wlk10M  tottim Hrswlk minwlk ad10wlk ad10wlk2 (lo thru -1).
freq ad10wlk ad10wlk2.

*****************************************************************.
* Sports - 10 minute version.

COMPUTE ad10spt=0.
IF (Whtact01=1 AND range(swimocc,1,28) AND SwimTim ge 10)
  ad10spt=ad10spt+swimocc.
IF (whtact02=1 AND range(cycleocc,1,28) AND cycletim ge 10)
  ad10spt=ad10spt+cycleocc.
IF (WhtAct03=1 AND range(weighocc,1,28) AND WeighTim ge 10)
  ad10spt=ad10spt+weighocc.
IF ( WhtAct04=1 AND range(aeroocc,1,28) AND AeroTim ge 10)
  ad10spt=ad10spt+aeroocc.
IF (WhtAct05=1 AND range(danceocc,1,28) AND DanceTim ge 10)
  ad10spt=ad10spt+danceocc.
IF (WhtAct06=1 AND range(runocc,1,28) AND RunTim ge 10)
 ad10spt=ad10spt+runocc.
IF (WhtAct07=1 AND range(ftbllocc,1,28) AND FtBllTim ge 10)
  ad10spt=ad10spt+ftbllocc.
IF (WhtAct08=1 AND range(tennocc,1,28) AND TennTim ge 10)
  ad10spt=ad10spt+tennocc.
IF (WhtAct09=1 AND range(squasocc,1,28) AND SquasTim ge 10)
  ad10spt=ad10spt+squasocc.
IF (WhtAct10=1 AND range(exocc,1,28) AND ExTim ge 10 ) ad10spt=ad10spt+exocc.
IF (range(actaocc,1,28) AND actatim ge 10) ad10spt=ad10spt+actaocc.
IF (range(actbocc,1,28) AND actbtim ge 10) ad10spt=ad10spt+actbocc.
IF (range(actcocc,1,28) AND actctim ge 10) ad10spt=ad10spt+actcocc.
```

```
IF (range(actdocc,1,28) AND actdtim ge 10) ad10spt=ad10spt+actdocc.
recode ad10spt (28 thru hi=28).
IF range(age,0,15) ad10spt=-2.
Recode ad10spt (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy)
  INTO ad10spt2.
variable label ad10spt '(D) Adults: Occasions 10+min sport'.
variable label ad10spt2 '(D) Adults: Occasions 10+min sport (grouped)'.
value labels ad10spt2
 0 'None'
 1 '1 to 3 times'
 2 '4 to 11 times'
 3 '12 to 19 times'
 4 '20 times or more'.
exe.

* setting missings if actphy was missing.
recode actphy (-9,-8,-1=copy) into ad10spt.
recode actphy (-9,-8,-1=copy) into ad10spt2.
exe.
```

Workact (D) Job activity level
Workactg (D) Job activity level (grouped)

```
* occupation.
* IN 2008 RESPONDENT'S SOC IS SOC91.

missing values work active ().

compute workact=0.
If range(age,0,15) workact=-2.
IF ANY(-8,work,active)|ANY(-9,work,active) workact=-8.
IF (work=2 OR RANGE(Active,3,4)) workact=1.
IF (Active=2 AND NOT((ANY(soc91,509, 530, 597,611,830,832,834,898,903,904,933)) OR
 RANGE(soc91,501,505) OR RANGE(soc91,533,536) OR
 RANGE(soc91,922,924) OR RANGE(soc91,929,931)))
 workact=2.
IF ((Active=2 AND ((ANY(soc91,509, 530, 597,611,830,832,834,898,903,904,933)) OR
 RANGE(soc91,501,505) OR RANGE(soc91,533,536) OR
 RANGE(soc91,922,924) OR RANGE(soc91,929,931))) OR
  (Active=1 AND NOT (ANY(soc91,530,597,830,832,898,903,904,929))))
 workact=3.
IF (Active=1 AND ANY(soc91,530,597,830,832,898,903,904,929))
 workact=4.
variable label workact '(D) Job activity level'.
value labels workact
 1 'Inactive'
 2 'light activity'
 3 'moderate active'
 4 'vigorous active'.
recode workact (1,2=1) (3,4=2) (else=copy) INTO workactg.
variable label workactg '(D) Job activity level (grouped)'.
value labels workactg
 1 'Not active or light'
 2 'Active moderate plus'.
exe.
```

ad10tot (D) Adults: Occasions 10+min any activities
ad10tot2 (D) Adults: Occasions 10+min any activities (grouped)

```
******** NUMBER OF DAYS ALL ACTIVITIES 10 minute version.

missing values ad10spt ad10wlk ad10man ad10hwk workactg ().

COMPUTE ad10tot=0.
IF range(age,0,15) ad10tot=-2.
IF range(ad10spt,1,28) ad10tot=ad10tot+ad10spt.
IF range(ad10wlk,1,28) ad10tot=ad10tot+ad10wlk.
IF range(ad10man,1,28) ad10tot=ad10tot+ad10man.
IF range(ad10hwk,1,28) ad10tot=ad10tot+ad10hwk.
IF (workactg=2 AND ftptime=1) ad10tot=ad10tot+20.
IF (workactg=2 AND (ftptime=2 OR ftptime=-8 OR ftptime=-9)) ad10tot=ad10tot+12.
IF any(-8,ad10spt,ad10wlk,ad10man,ad10hwk,workactg) ad10tot=-8.
IF any(-9,ad10spt,ad10wlk,ad10man,ad10hwk,workactg) ad10tot=-9.
recode ad10tot (28 thru hi=28).
Recode ad10tot (1 thru 3 =1) (4 thru 11=2) (12 thru 19=3) (20 thru hi=4) (else=copy)
 INTO ad10tot2.
variable label ad10tot '(D) Adults: Occasions 10+min any activities'.
variable label ad10tot2
  '(D) Adults: Occasions 10+min any activities (grouped)'.
value labels ad10tot2
 0 'None'
 1 '1 to 3 times'
 2 '4 to 11 times'
 3 '12 to 19 times'
 4 '20 times or more'.
```

hwkany10 (D) Housework - any or none
manany10 (D) Heavy manual - any or none
wlkany10 (D) Walking - any or none
sptany10 (D) Sports - any or none
totany10 (D) All activities - any or none

```
** Any/None days.

Recode ad10hwk2 (1 thru hi=1) (else=copy) INTO hwkany10.
variable label hwkany10 '(D) Housework 10+ min  - any or none'.
Recode ad10man2 (1 thru hi=1) (else=copy) INTO manany10.
variable label manany10  '(D) Heavy manual 10+ min - any or none'.
Recode ad10wlk2 (1 thru hi=1) (else=copy) INTO wlkany10.
variable label wlkany10  '(D) Walking 10+ min - any or none'.
Recode ad10spt2 (1 thru hi=1) (else=copy) INTO sptany10.
variable label sptany10  '(D) Sports 10+ min  - any or none'.
Recode ad10tot2 (1 thru hi=1) (else=copy) INTO totany10.
variable label totany10 '(D) All activities 10+ min  - any or none'.
value lables hwkany10 manany10 wlkany10 sptany10 totany10
 0 'None'
 1 'Any'.
exe.
```

workd (D) Occupational activity – days in 4 weeks
workdc (D) Occupational activity

```
** days/time in occupational activity.
** NOT AFFECTED BY 10 MIN CHANGE.

* compute workd=-3.
* execute.

missing values workactg ftptime ().

COMPUTE workd=-1.
IF workactg=2 and ftptime=1 workd=20.
IF workactg=2 and (ftptime=2 OR ftptime=-8 OR ftptime=-9) workd=12.
IF workactg=1 workd=0.
IF workactg=-8 workd=-8.
recode workd (-1=-8).
IF range(age,0,15) workd=-2.
variable label workd '(D) Occupational activity - days in 4 weeks'.
recode workd (12,20=1) (else=copy) (missing=copy) INTO workdc.
variable label workdc '(D) Occupational activity'.
value labels workdc
 0 'None'
 1 'Any'.
```

ADULTS activity hours

hrshwk10 (D) Average hours doing heavy housework per week
hrshwkg10 (D) Average hours doing heavy housework per week (grouped)
hrsman10 (D) Average hours doing heavy manual per week
hrsmang10 (D) Average hours doing heavy manual per week (grouped)
WalkNo10 (D) Number of walks of 10 mins+ in last 4 weeks
hrwalk10 (D) Average hours walking per week brisk or fast
hrswlkg10 (D) Average hours walking per week brisk or fast (grouped)
hrsspt10 (D) Average hours doing sport per week
hrssptg10 (D) Average hours doing sports per week (grouped)

```
* Time spent heavy housework*.
* divided by 240 (60*4 because time is in minutes and days are over 4 weeks).

missing values housewrk hwrklist hevyhwrk heavyday hwtim ().

recode hwtim (0 thru 9=0) (else=copy) into hwtimT.
compute hrshwk10=0.
compute hrshwk10=(hwtimT*heavyday)/240.
IF (housewrk=2 OR hevyhwrk=2) hrshwk10=0.
IF hwtim=0 hrshwk10=0.
IF any(-9,housewrk, hwrklist, hevyhwrk, heavyday, hwtim) hrshwk10=-9.
IF any(-8,housewrk, hwrklist, hevyhwrk, heavyday, hwtim) hrshwk10=-8.
IF range (age,0,15) hrshwk10=-2.
variable label hrshwk10  '(D) Average hours doing heavy housework per week (10+ min)'.
recode hrshwk10  (0=0) (0.01 thru 0.99=1) (1 thru 2.99=2) (3 thru 4.99=3) (5 thru 6.99=4)
 (7 thru hi=5) (else=copy) INTO hrhwkg10.
```

```
variable label hrhwkg10 '(D) Average hours doing heavy housework per week 10+ min
(grouped)'.
value labels hrhwkg10
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
missing values housewrk hwrklist hevyhwrk heavyday hwtim hrhwkg10  hrshwk10 (lo thru -1).

* Time spent heavy manual/DIY*.

missing values garden gardlist manwork mandays diytim ().
recode diytim (0 thru 9=0) (else=copy) into diytimT.
compute hrsman10=0.
compute hrsman10=(diytimT*mandays)/240.
IF (garden=2 OR manwork=2) hrsman10=0.
IF diytim=0 hrsman10=0.
IF any(-9, garden, gardlist, manwork, mandays, diytim) hrsman10=-9.
IF any(-8, garden, gardlist, manwork, mandays, diytim) hrsman10=-8.
IF range (age,0,15) hrsman10=-2.
variable label hrsman10 '(D) Average hours doing heavy manual per week 10+ min'.
recode hrsman10 (0=0) (0.01 thru 0.99=1) (1 thru 2.99=2) (3 thru 4.99=3) (5 thru 6.99=4)
            (7 thru hi=5) (else=copy) INTO hrmang10.
variable label hrmang10 '(D) Average hours doing heavy manual per week 10+ min (grouped)'.
value labels hrmang10  0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
exe.
missing values garden gardlist manwork mandays diytim hrsman10 hrmang10  (lo thru -1).

* Time spent walking*.
* If more than one walk, count as 2*.
* count walks at brisk/fast pace only*.

missing values wlk5int Wlk10M DayWlk10 Day1Wlk10 Day2Wlk10  tottim ().
compute days = daywlk10-day2wlk10.
IF daywlk=-8 days=-8.
IF daywlk=-1 days=-1.
IF day1wlk10=-8 days=-8.
IF day1wlk10=-1 days=-1.
IF day2wlk10=-8 days=-8.
IF day2wlk10=-1 days=-1.
Compute WalkNo10=0.
IF (Wlk5Int=2) OR (Wlk5Int=3) WalkNo10=0.
IF Wlk10M=2 WalkNo10=0.
IF (Day1Wlk10=2) WalkNo10=DayWlk.
IF (Day1Wlk10=1 and DayWlk=1) Walkno10=(Day1Wlk10*2).
IF (Day1Wlk10=1 and DayWlk>1) WalkNo10=((Day2Wlk10*2)+(days)).
IF any (-8,wlk5int,Wlk10M,daywlk,day1wlk,day2wlk) walkno10=-8.
IF any (-9,wlk5int,Wlk10M,daywlk,day1wlk,day2wlk) walkno10=-9.
IF range (age,0,15) walkno10=-2.
```

```
IF walkpace=1 walkno10=0.
IF walkpace=2 walkno10=0.
IF walkpace=5 walkno10=0.
variable label walkno10 '(D) Number of walks of 10 mins+ in last 4 weeks'.
freq walkno10.


* time walking*.
Recode tottim (0 thru 9=0) (else=copy) into tottimT .
compute hrwalk10=0.
compute hrwalk10=(tottimT*walkno10)/240.
IF tottim=0 hrwalk10=-8.
IF walkno10=-8 hrwalk10=-8.
IF walkno10=-9 hrwalk10=-8.
IF walkno10=-1 hrwalk10=-1.
IF range (age,0,15) hrwalk10=-2.
variable label hrwalk10 '(D) Average hours walking per week brisk or fast 10+ min'.
recode hrwalk10 (0=0) (0.01 thru 0.99=1) (1 thru 2.99=2) (3 thru 4.99=3) (5 thru 6.99=4)
        (7 thru hi=5) (else=copy) INTO hrwlkg10.
variable label hrwlkg10 '(D) Average hours walking per week brisk or fast 10+ min (grouped)'.
value labels hrwlkg10
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.

missing values wlk5int Wlk10M DayWlk10 Day1Wlk10 Day2Wlk10  tottim walkno10  hrwalk10
hrwlkg10 (lo thru -1).

* time doing sports/exercise*.

missing values swimocc swimtim cycleocc cycletim weighocc weightim aeroocc aerotim
        danceocc dancetim danceeff runocc runtim ftbllocc ftblltim tennocc tenntim,
        squasocc squastim exocc extim exeff actaocc actatim actaeff actbocc actbtim
        actbeff actcocc actctim actceff actdtim actdeff actdocc ().

compute hrsspt10=0.
IF (WhtAct01=1 AND range(swimocc,1,28)) hrsspt10=hrsspt10 + ((swimocc*swimtim)/240).
IF (WhtAct02=1 AND range(cycleocc,1,28)) hrsspt10=hrsspt10 + ((cycleocc*cycletim)/240).
IF (WhtAct03=1 AND range(weighocc,1,28)) hrsspt10=hrsspt10 + ((weighocc*weightim)/240).
IF (WhtAct04=1 AND range(aeroocc,1,28)) hrsspt10=hrsspt10 + ((aeroocc*aerotim)/240).
IF (WhtAct05=1 AND range(danceocc,1,28)) hrsspt10=hrsspt10 + ((danceocc*dancetim)/240).
IF (WhtAct06=1 AND range(runocc,1,28)) hrsspt10=hrsspt10 + ((runocc*runtim)/240).
IF (WhtAct07=1 AND range(ftbllocc,1,28)) hrsspt10=hrsspt10 + ((ftbllocc*ftblltim)/240).
IF (WhtAct08=1 AND range(tennocc,1,28)) hrsspt10=hrsspt10 + ((tennocc*tenntim)/240).
IF (WhtAct09=1 AND range(squasocc,1,28)) hrsspt10 =hrsspt10 + ((squasocc*squastim)/240).
IF (WhtAct10=1 AND range(exocc,1,28)) hrsspt10 =hrsspt10  + ((exocc*extim)/240).
IF range(actaocc,1,28) hrsspt10 =hrsspt10 + ((actaocc*actatim)/240).
IF range(actbocc,1,28) hrsspt10 =hrsspt10 + ((actbocc*actbtim)/240).
IF range(actcocc,1,28) hrsspt10 =hrsspt10 + ((actcocc*actctim)/240).
IF range(actdocc,1,28) hrsspt10 =hrsspt10 + ((actdocc*actdtim)/240).
IF range (age,0,15) hrsspt10=-2.
IF any(-9, swimocc, swimtim, cycleocc, cycletim, weighocc, weightim, aeroocc, aerotim,
        danceocc, dancetim, danceeff, runocc, runtim, ftbllocc, ftblltim, tennocc, tenntim,
```

```
        squasocc, squastim, exocc, extim, exeff, actaocc, actatim, actaeff, actbocc, actbtim,
        actbeff, actcocc, actctim, actceff, actdtim, actdeff, actdocc) hrsspt10=-9.
if any(-8, swimocc, swimtim, cycleocc, cycletim, weighocc, weightim, aeroocc, aerotim,
        danceocc, dancetim, danceeff, runocc, runtim, ftbllocc, ftblltim, tennocc, tenntim,
        squasocc, squastim, exocc, extim, exeff, actaocc, actatim, actaeff, actbocc, actbtim,
        actbeff, actcocc, actctim, actceff, actdtim, actdeff, actdocc) hrsspt10=-8.
recode hrsspt10 (40 thru hi=40).
recode hrsspt10 (0=0) (0.01 thru 0.99=1) (1 thru 2.99=2) (3 thru 4.99=3) (5 thru 6.99=4)
        (7 thru hi=5) (else=copy) INTO hrsptg10.
variable label hrsspt10 '(D) Average hours doing sport per week'.
variable label hrsptg10 '(D) Average hours doing sports per week (grouped)'.
value labels hrsptg10
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
freq hrsptg10.

missing values swimocc swimtim cycleocc cycletim weighocc weightim aeroocc aerotim
        danceocc dancetim danceeff runocc runtim ftbllocc ftblltim tennocc tenntim,
        squasocc squastim exocc extim exeff actaocc actatim actaeff actbocc actbtim
        actbeff actcocc actctim actceff actdtim actdeff actdocc hrsspt10 hrsptg10 (lo thru -1).
```

hrstot10 (D) Average hours doing all physical activities per week
hrtotg10 (D) Average hours doing all physical activities per week (grouped)

```
compute hrstot10=0.
if hrshwk10 gt 0 hrstot10=hrstot10+hrshwk10.
if hrsman10 gt 0 hrstot10=hrstot10+hrsman10.
if hrwalk10 gt 0 hrstot10=hrstot10+hrwalk10.
if hrsspt10 gt 0 hrstot10=hrstot10+hrsspt10.
IF (workactg=2 AND ftptime=1) hrstot10=hrstot10+10.
IF (workactg=2 AND (ftptime=2 OR ftptime=-8 OR ftptime=-9)) hrstot10=hrstot10+6.
IF any(-8,hrshwk10,hrsman10,hrwalk10,hrsspt10) hrstot10=-8.
if any(-9,hrshwk10,hrsman10,hrwalk10,hrsspt10) hrstot10=-9.
IF range (age,0,15) hrstot10=-2.
recode hrstot10 (60 thru hi=60).
recode hrstot10 (0=0) (0.01 thru 0.99=1) (0.995 thru 2.99=2) (3 thru 4.99=3) (5 thru 6.99=4)
        (7 thru hi=5) (else=copy) INTO hrtotg10.
variable label hrstot10 "(D) Average hours doing all physical activities per week 10+ min".
variable label hrtotg10 '(D) Average hours doing all physical activities per week 10+ min
(grouped)'.
value labels hrtotg10
 0 'No time'
 1 'Less than 1 hour'
 2 '1, less than 3 hours'
 3 '3, less than 5 hours'
 4 '5, less than 7 hours'
 5 '7 hours or more'.
```

lftwrkgb (D) Lifting at work (group)
countwb (D) Number of work activities
workac2b (D) Activities involved in job

```
* physical activity at work*
* IN 2008 these variables were for sample A only.

recode liftwrk2 (1,2=1) (else=copy) INTO lftwrkgb.
variable label lftwrkgb '(D) Lifting at work (group)'.
value labels lftwrkgb
 1 'Lift and/or carry heavy loads'
 3 'No'.
exe.

compute countwb=0.
IF lftwrkgb=1 countwb=countwb+1.
IF climb2=1 countwb=countwb+1.
IF MainSit2=3 countwb=countwb+1.
IF any (-8, lftwrkgb,climb2,MainSit2)countwb=-8.
IF any (-9, lftwrkgb,climb2,MainSit2)countwb=-9.
IF lftwrkgb=-1 countwb=-1.
IF sample gt 1 or age lt 16 countwb=-2.
variable label countwb '(D) Number of work activities'.
exe.

compute workac2b=0.
recode countwb (2,3=2) (else=copy) INTO workac2b.
variable label workac2b '(D) Activities involved in job'.
value labels workac2b
 0 "None of these"
 1 "One of these"
 2 "At least two of these".

add value labels lftwrkgb countwb workac2b
-1 "Item not applicable"
-2 "Schedule not applicable"
-8 "Don't know"
-9 "Refused".
```

Acta (D) Other sports intensity - other sport 1
Actb (D) Other sports intensity - other sport 2
Actc (D) Other sports intensity - other sport 3
Actd (D) Other sports intensity - other sport 4

```
*This creates the physical activity summary variable based on other activities.

Recode WhtAct11 (11,12,15,18,21,23,27,28,29,30,31,32,34,37,39,47,48,
   53,57,58,60,61,63,65,66,67,68,72,73,74,75,77,78,79,81,84,89,90,98=1)
  (13,16,17,19,20,24,25,26,33,35,36,38,41,42,43,44,45,46,
   50,51,54,55,56,59,62,64,69,71,76,80,83,85,87,91,98=2)
  (14,22,40,49,52,70,82,86,88,92,93=3)
  (5,10=2)(1,2,3,4,7,8=4)(6,9=5)
  (ELSE=COPY) INTO acta.
Recode WhtAct12 (11,12,15,18,21,23,27,28,29,30,31,32,34,37,39,47,48,
   53,57,58,60,61,63,65,66,67,68,72,73,74,75,77,78,79,81,84,89,90,98=1)
```

```
  (13,16,17,19,20,24,25,26,33,35,36,38,41,42,43,44,45,46,
   50,51,54,55,56,59,62,64,69,71,76,80,83,85,87,91=2)
  (14,22,40,49,52,70,82,86,88,92,93=3)
  (5,10=2)(1,2,3,4,7,8=4)(6,9=5)
  (ELSE=COPY) INTO actb.
Recode WhtAct13 (11,12,15,18,21,23,27,28,29,30,31,32,34,37,39,47,48,
   53,57,58,60,61,63,65,66,67,68,72,73,74,75,77,78,79,81,84,89,90,98=1)
  (13,16,17,19,20,24,25,26,33,35,36,38,41,42,43,44,45,46,
   50,51,54,55,56,59,62,64,69,71,76,80,83,85,87,91=2)
  (14,22,40,49,52,70,82,86,88,92,93=3)
  (5,10=2)(1,2,3,4,7,8=4)(6,9=5)
  (ELSE=COPY) INTO actc.
Recode WhtAct14 (11,12,15,18,21,23,27,28,29,30,31,32,34,37,39,47,48,
   53,57,58,60,61,63,65,66,67,68,72,73,74,75,77,78,79,81,84,89,90,98=1)
  (13,16,17,19,20,24,25,26,33,35,36,38,41,42,43,44,45,46,
   50,51,54,55,56,59,62,64,69,71,76,80,83,85,87,91=2)
  (14,22,40,49,52,70,82,86,88,92,93=3)
  (5,10=2)(1,2,3,4,7,8=4)(6,9=5)
  (ELSE=COPY) INTO actd.
variable label acta '(D) Other sports intensity'.
variable label actb '(D) Other sports intensity'.
variable label actc '(D) Other sports intensity'.
variable label actd '(D) Other sports intensity'.
value labels acta actb actc actd
 1 'light type'
 2 'moderate type'
 3 'vigorous type'
 4 'vigorous type (swim,cycle,weights,aerobic,football,tennis)'
 5 'very vigorous type (running, squash)'.

*The moderate plus classification for new guidelines = 3, 4, 5.
**Only code 2 needs to be checked for effort status.
```

ADULTS summary variables 30+ mins (including 10-29 mins)

adhse10b (D) Number of days heavy housework 30 mins +, including 10-29 min bouts
adman10b (D) Number of days per week heavy manual 30 mins including 10-29 min bouts
adwlk10b (D) Number of days walking 30 mins + fast or brisk, including 10-29 min bouts
adsp10b (D) Number of occasions sports 30 mins + , including 10-29 min sessions
adtot10b (D) Total number of days active 30 mins +, 10-29 min sessions included
adtot10c (D) Number of days per week any activities 30 mins +, 10-29 min sessions included
adt10gp (D) Summary activity level, 10-29 min sessions included

```
**2008 phys act summary vars 10+ mins.sps.

**Summary activity variable 10+ effort of activity included and other activities.

missing values HrsHhw Minhhw hwtim ().
```

```
Compute adhse10b=0.
IF Housewrk=2 Adhse10b=adhse10b+0.
IF Hwrklist=2 Adhse10b=adhse10b+0.
IF (RANGE(heavyday,1,28) AND RANGE (hwtim,30,800)) Adhse10b=adhse10b+Heavyday.
IF RANGE(hwtim,0,9) adhse10b=adhse10b+0.
IF RANGE(heavyday,1,28)  & hwtim=10  adhse10b=adhse10b+( Heavyday/3.000).
IF RANGE(heavyday,1,28)  & hwtim=11  adhse10b=adhse10b+( Heavyday/2.727).
IF RANGE(heavyday,1,28)  & hwtim=12  adhse10b=adhse10b+( Heavyday/2.500).
IF RANGE(heavyday,1,28)  & hwtim=13  adhse10b=adhse10b+( Heavyday/2.308).
IF RANGE(heavyday,1,28)  & hwtim=14  adhse10b=adhse10b+( Heavyday/2.143).
IF RANGE(heavyday,1,28)  & hwtim=15  adhse10b=adhse10b+( Heavyday/2).
IF RANGE(heavyday,1,28)  &  hwtim=16 adhse10b=adhse10b+( Heavyday/1.875).
IF RANGE(heavyday,1,28)  &  hwtim=17 adhse10b=adhse10b+( Heavyday/1.764).
IF RANGE(heavyday,1,28)  &  hwtim=18 adhse10b=adhse10b+( Heavyday/1.666).
IF RANGE(heavyday,1,28)  &  hwtim=19 adhse10b=adhse10b+( Heavyday/1.578).
IF RANGE(heavyday,1,28)  &  hwtim=20 adhse10b=adhse10b+( Heavyday/1.5).
IF RANGE(heavyday,1,28)  &  hwtim=21 adhse10b=adhse10b+( Heavyday/1.428).
IF RANGE(heavyday,1,28)  &  hwtim=22 adhse10b=adhse10b+( Heavyday/1.363).
IF RANGE(heavyday,1,28)  &  hwtim=23adhse10b=adhse10b+( Heavyday/1.304).
IF RANGE(heavyday,1,28)  &  hwtim=24 adhse10b=adhse10b+( Heavyday/1.25).
IF RANGE(heavyday,1,28)  &  hwtim=25 adhse10b=adhse10b+( Heavyday/1.2).
IF RANGE(heavyday,1,28)  &  hwtim=26 adhse10b=adhse10b+( Heavyday/1.15).
IF RANGE(heavyday,1,28)  &  hwtim=27 adhse10b=adhse10b+( Heavyday/1.111).
IF RANGE(heavyday,1,28)  &  hwtim=28 adhse10b=adhse10b+( Heavyday/1.071).
IF RANGE(heavyday,1,28)  &  hwtim=29 adhse10b=adhse10b+( Heavyday/1.034).

IF any(-9,HrsHhw,Minhhw, hwtim)|any(-8,HrsHhw,Minhhw, hwtim) adhse10b=-8.
IF RANGE(age,0,15) adhse10b=-2.

variable label adhse10b 'Number of days heavy housework 30 mins +, including 10-29 min
bouts'.
execute.
missing values HrsHhw Minhhw hwtim adhse10b (lo thru -1).
fre adhse10b .

* NUMBER OF DAYS HEAVY MANUAL 30 MINS +.

missing values HrsDIY MinDIY DIYTim ().
Compute adman10b=0.
IF Garden=2 adman10b=adman10b+0.
IF Gardlist=2 adman10b=adman10b+0.
IF manwork=2 adman10b=adman10b+0.
IF (RANGE(mandays,1,28) AND RANGE(DIYTim,30,800)) adman10b=adman10b+mandays.
IF RANGE(DIYTim,0,9) Adman10b=adman10b+0.
IF RANGE(mandays,1,28)  &  DIYTim=10 adman10b=adman10b+( Mandays/3.000).
IF RANGE(mandays,1,28)  &  DIYTim=11 adman10b=adman10b+( Mandays/2.727).
IF RANGE(mandays,1,28)  &  DIYTim=12 adman10b=adman10b+( Mandays/2.500).
IF RANGE(mandays,1,28)  &  DIYTim=13 adman10b=adman10b+( Mandays/2.308).
IF RANGE(mandays,1,28)  &  DIYTim=14 adman10b=adman10b+( Mandays/2.143).
IF RANGE(mandays,1,28)  &  DIYTim=15 adman10b=adman10b+( Mandays/2).
IF RANGE(mandays,1,28)  &  DIYTim=16 adman10b=adman10b+( Mandays/1.875).
IF RANGE(mandays,1,28)  &  DIYTim=17 adman10b=adman10b+( Mandays/1.764).
IF RANGE(mandays,1,28)  &  DIYTim=18 adman10b=adman10b+( Mandays/1.666).
IF RANGE(mandays,1,28)  &  DIYTim=19 adman10b=adman10b+( Mandays/1.578).
IF RANGE(mandays,1,28)  &  DIYTim=20 adman10b=adman10b+( Mandays/1.5).
```

```
IF RANGE(mandays,1,28)  &  DIYTim=21 adman10b=adman10b+( Mandays/1.428).
IF RANGE(mandays,1,28)  &  DIYTim=22 adman10b=adman10b+( Mandays/1.363).
IF RANGE(mandays,1,28)  &  DIYTim=23 adman10b=adman10b+( Mandays/1.304).
IF RANGE(mandays,1,28)  &  DIYTim=24 adman10b=adman10b+( Mandays/1.25).
IF RANGE(mandays,1,28)  &  DIYTim=25 adman10b=adman10b+( Mandays/1.2).
IF RANGE(mandays,1,28)  &  DIYTim=26 adman10b=adman10b+( Mandays/1.15).
IF RANGE(mandays,1,28)  &  DIYTim=27 adman10b=adman10b+( Mandays/1.111).
IF RANGE(mandays,1,28)  &  DIYTim=28 adman10b=adman10b+( Mandays/1.071).
IF RANGE(mandays,1,28)  &  DIYTim=29 adman10b=adman10b+( Mandays/1.034).
IF any(-9,HrsDIY,MinDIY, DIYTim) | any(-8,HrsDIY,MinDIY, DIYTim) adman10b=-8.
IF RANGE(age,0,15) adman10b=-2.

variable label adman10b 'Number of days per week heavy manual 30 mins including 10-29 min
bouts'.
execute.
missing values HrsDIY MinDIY DIYTim adman10b (lo thru -1).
fre adman10b.

* NUMBER OF DAYS WALKING 30 MINS +.

compute adwlk10b=0.
IF (wlk5int=2) OR (wlk5int=3) adwlk10b=adwlk10b+0.
IF Wlk10M=2 adwlk10b=adwlk10b+0.
IF RANGE(walkpace, 1, 2) adwlk10b=adwlk10b+0.
DO IF RANGE(walkpace,3,4).
IF RANGE(walkpace,3,4) &  (RANGE(tottim,30,800) AND RANGE(daywlk,1,28))
adwlk10b=adwlk10b+daywlk.

IF RANGE(walkpace,3,4) &   (RANGE(tottim, 10, 29) AND Day1Wlk10=1 AND
RANGE(day2wlk,1,28)) adwlk10b=adwlk10b+day2wlk.
IF RANGE(walkpace,3,4) &   ((tottim=10) AND Day1Wlk10=2)
adwlk10b=adwlk10b+(daywlk/3.000).
IF RANGE(walkpace,3,4) &   ((tottim=11) AND Day1Wlk10=2)
adwlk10b=adwlk10b+(daywlk/2.727).
IF RANGE(walkpace,3,4) &   ((tottim=12) AND Day1Wlk10=2)
adwlk10b=adwlk10b+(daywlk/2.500).
IF RANGE(walkpace,3,4) &   ((tottim=13) AND Day1Wlk10=2)
adwlk10b=adwlk10b+(daywlk/2.308).
IF RANGE(walkpace,3,4) &   ((tottim=14) AND Day1Wlk10=2)
adwlk10b=adwlk10b+(daywlk/2.143).
IF RANGE(walkpace,3,4) &   ((tottim=15) AND Day1Wlk10=2)
adwlk10b=adwlk10b+(daywlk/2).
IF RANGE(walkpace,3,4) &   ((tottim=16) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.875).
IF RANGE(walkpace,3,4) &   ((tottim=17) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.764).
IF RANGE(walkpace,3,4) &   ((tottim=18) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.666).
IF RANGE(walkpace,3,4) &   ((tottim=19) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.578).
IF RANGE(walkpace,3,4) &   ((tottim=20) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.5).
IF RANGE(walkpace,3,4) &   ((tottim=21) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.428).
IF RANGE(walkpace,3,4) &   ((tottim=22) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.363).
```

```
IF RANGE(walkpace,3,4) &   ((tottim=23) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.304).
IF RANGE(walkpace,3,4) &   ((tottim=24) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.25).
IF RANGE(walkpace,3,4) &   ((tottim=25) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.2).
IF RANGE(walkpace,3,4) &   ((tottim=26) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.15).
IF RANGE(walkpace,3,4) &   ((tottim=27) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.111).
IF RANGE(walkpace,3,4) &   ((tottim=28) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.071).
IF RANGE(walkpace,3,4) &   ((tottim=29) AND Day1Wlk10=2 )
adwlk10b=adwlk10b+(daywlk/1.034).

ELSE IF RANGE(walkpace,1,2).
COMPUTE adwlk10b=adwlk10b+0.
END IF.

IF RANGE(tottim,0,9) adwlk10b=adwlk10b+0.
IF RANGE(age,0,15) adwlk10b=-2.

variable label adwlk10b 'Number of days walking 30 mins + fast or brisk, including 10-29 min
bouts'.
execute.
missing values adwlk10b (lo thru -1).
fre adwlk10b.

**This is the sport 30 mins+ var.

COMPUTE Adsp10b=0.
IF (Whtact01=1 AND RANGE(swimocc,1,28) AND SwimTim ge 30) Adsp10b=Adsp10b+swimocc.
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=10
Adsp10b=Adsp10b+(swimocc/3.000).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=11
Adsp10b=Adsp10b+(swimocc/2.727).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=12
Adsp10b=Adsp10b+(swimocc/2.500).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=13
Adsp10b=Adsp10b+(swimocc/2.308).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=14
Adsp10b=Adsp10b+(swimocc/2.143).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=15
Adsp10b=Adsp10b+(swimocc/2).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=16
Adsp10b=Adsp10b+(swimocc/1.875).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=17
Adsp10b=Adsp10b+(swimocc/1.764).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=18
Adsp10b=Adsp10b+(swimocc/1.666).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=19
Adsp10b=Adsp10b+(swimocc/1.578).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=20
Adsp10b=Adsp10b+(swimocc/1.5).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=21
Adsp10b=Adsp10b+(swimocc/1.428).
```

```
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=22
Adsp10b=Adsp10b+(swimocc/1.363).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=23
Adsp10b=Adsp10b+(swimocc/1.304).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=24
Adsp10b=Adsp10b+(swimocc/1.25).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=25
Adsp10b=Adsp10b+(swimocc/1.2).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=26
Adsp10b=Adsp10b+(swimocc/1.15).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=27
Adsp10b=Adsp10b+(swimocc/1.111).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=28
Adsp10b=Adsp10b+(swimocc/1.071).
IF (Whtact01=1 AND RANGE(swimocc,1,28)) AND SwimTim=29
Adsp10b=Adsp10b+(swimocc/1.034).


IF (whtact02=1 AND RANGE(cycleocc,1,28) AND cycletim ge 30) Adsp10b=Adsp10b+cycleocc.
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=10
Adsp10b=Adsp10b+(cycleocc/3.000).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=11
Adsp10b=Adsp10b+(cycleocc/2.727).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=12
Adsp10b=Adsp10b+(cycleocc/2.500).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=13
Adsp10b=Adsp10b+(cycleocc/2.308).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=14
Adsp10b=Adsp10b+(cycleocc/2.143).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=15
Adsp10b=Adsp10b+(cycleocc/2).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=16
Adsp10b=Adsp10b+(cycleocc/1.875).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=17
Adsp10b=Adsp10b+(cycleocc/1.764).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=18
Adsp10b=Adsp10b+(cycleocc/1.666).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=19
Adsp10b=Adsp10b+(cycleocc/1.578).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=20
Adsp10b=Adsp10b+(cycleocc/1.5).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=21
Adsp10b=Adsp10b+(cycleocc/1.428).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=22
Adsp10b=Adsp10b+(cycleocc/1.363).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=23
Adsp10b=Adsp10b+(cycleocc/1.304).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=24
Adsp10b=Adsp10b+(cycleocc/1.25).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=25
Adsp10b=Adsp10b+(cycleocc/1.2).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=26
Adsp10b=Adsp10b+(cycleocc/1.15).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=27
Adsp10b=Adsp10b+(cycleocc/1.111).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=28
```

```
Adsp10b=Adsp10b+(cycleocc/1.071).
IF (Whtact02=1 AND RANGE(cycleocc,1,28)) AND Cycletim=29
Adsp10b=Adsp10b+(cycleocc/1.034).


IF (WhtAct03=1 AND RANGE(weighocc,1,28) AND WeighTim ge 30)
Adsp10b=Adsp10b+weighocc.
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=10
Adsp10b=Adsp10b+(weighocc/3.000).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=11
Adsp10b=Adsp10b+(weighocc/2.727).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=12
Adsp10b=Adsp10b+(weighocc/2.500).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=13
Adsp10b=Adsp10b+(weighocc/2.308).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=14
Adsp10b=Adsp10b+(weighocc/2.143).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=15
Adsp10b=Adsp10b+(weighocc/2).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=16
Adsp10b=Adsp10b+(weighocc/1.875).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=17
Adsp10b=Adsp10b+(weighocc/1.764).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=18
Adsp10b=Adsp10b+(weighocc/1.666).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=19
Adsp10b=Adsp10b+(weighocc/1.578).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=20
Adsp10b=Adsp10b+(weighocc/1.5).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=21
Adsp10b=Adsp10b+(weighocc/1.428).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=22
Adsp10b=Adsp10b+(weighocc/1.363).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=23
Adsp10b=Adsp10b+(weighocc/1.304).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=24
Adsp10b=Adsp10b+(weighocc/1.25).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=25
Adsp10b=Adsp10b+(weighocc/1.2).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=26
Adsp10b=Adsp10b+(weighocc/1.15).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=27
Adsp10b=Adsp10b+(weighocc/1.111).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=28
Adsp10b=Adsp10b+(weighocc/1.071).
IF (Whtact03=1 AND RANGE(weighocc,1,28)) AND WeighTim=29
Adsp10b=Adsp10b+(weighocc/1.034).


IF (WhtAct04=1 AND RANGE(aeroocc,1,28) AND AeroTim ge 30)
Adsp10b=Adsp10b+aeroocc.
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=10
Adsp10b=Adsp10b+(aeroocc/3.000).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=11
Adsp10b=Adsp10b+(aeroocc/2.727).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=12
```

```
Adsp10b=Adsp10b+(aeroocc/2.500).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=13
Adsp10b=Adsp10b+(aeroocc/2.308).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=14
Adsp10b=Adsp10b+(aeroocc/2.143).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=15
Adsp10b=Adsp10b+(aeroocc/2).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=16
Adsp10b=Adsp10b+(aeroocc/1.875).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=17
Adsp10b=Adsp10b+(aeroocc/1.764).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=18
Adsp10b=Adsp10b+(aeroocc/1.666).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=19
Adsp10b=Adsp10b+(aeroocc/1.578).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=20
Adsp10b=Adsp10b+(aeroocc/1.5).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=21
Adsp10b=Adsp10b+(aeroocc/1.428).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=22
Adsp10b=Adsp10b+(aeroocc/1.363).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=23
Adsp10b=Adsp10b+(aeroocc/1.304).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=24
Adsp10b=Adsp10b+(aeroocc/1.25).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=25
Adsp10b=Adsp10b+(aeroocc/1.2).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=26
Adsp10b=Adsp10b+(aeroocc/1.15).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=27
Adsp10b=Adsp10b+(aeroocc/1.111).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=28
Adsp10b=Adsp10b+(aeroocc/1.071).
IF (Whtact04=1 AND RANGE(aeroocc,1,28)) AND AeroTim=29
Adsp10b=Adsp10b+(aeroocc/1.034).


IF (WhtAct05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim ge 30
Adsp10b=Adsp10b+danceocc.
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=10
Adsp10b=Adsp10b+(danceocc/3.000).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=11
Adsp10b=Adsp10b+(danceocc/2.727).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=12
Adsp10b=Adsp10b+(danceocc/2.500).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=13
Adsp10b=Adsp10b+(danceocc/2.308).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=14
Adsp10b=Adsp10b+(danceocc/2.143).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=15
Adsp10b=Adsp10b+(danceocc/2).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=16
Adsp10b=Adsp10b+(danceocc/1.875).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=17
Adsp10b=Adsp10b+(danceocc/1.764).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=18
```

```
Adsp10b=Adsp10b+(danceocc/1.666).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=19
Adsp10b=Adsp10b+(danceocc/1.578).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=20
Adsp10b=Adsp10b+(danceocc/1.5).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=21
Adsp10b=Adsp10b+(danceocc/1.428).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=22
Adsp10b=Adsp10b+(danceocc/1.363).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=23
Adsp10b=Adsp10b+(danceocc/1.304).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=24
Adsp10b=Adsp10b+(danceocc/1.25).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=25
Adsp10b=Adsp10b+(danceocc/1.2).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=26
Adsp10b=Adsp10b+(danceocc/1.15).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=27
Adsp10b=Adsp10b+(danceocc/1.111).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=28
Adsp10b=Adsp10b+(danceocc/1.071).
IF (Whtact05=1 AND RANGE(danceocc,1,28)) AND danceeff=1 AND DanceTim=29
Adsp10b=Adsp10b+(danceocc/1.034).


IF (WhtAct06=1 AND RANGE(runocc,1,28) AND RunTim ge 30)
Adsp10b=Adsp10b+runocc.
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=10
Adsp10b=Adsp10b+(runocc/3.000).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=11
Adsp10b=Adsp10b+(runocc/2.727).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=12
Adsp10b=Adsp10b+(runocc/2.500).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=13
Adsp10b=Adsp10b+(runocc/2.308).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=14
Adsp10b=Adsp10b+(runocc/2.143).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=15
Adsp10b=Adsp10b+(runocc/2).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=16
Adsp10b=Adsp10b+(runocc/1.875).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=17
Adsp10b=Adsp10b+(runocc/1.764).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=18
Adsp10b=Adsp10b+(runocc/1.666).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=19
Adsp10b=Adsp10b+(runocc/1.578).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=20
Adsp10b=Adsp10b+(runocc/1.5).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=21
Adsp10b=Adsp10b+(runocc/1.428).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=22
Adsp10b=Adsp10b+(runocc/1.363).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=23
Adsp10b=Adsp10b+(runocc/1.304).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=24
```

```
Adsp10b=Adsp10b+(runocc/1.25).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=25
Adsp10b=Adsp10b+(runocc/1.2).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=26
Adsp10b=Adsp10b+(runocc/1.15).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=27
Adsp10b=Adsp10b+(runocc/1.111).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=28
Adsp10b=Adsp10b+(runocc/1.071).
IF (Whtact06=1 AND RANGE(runocc,1,28)) AND RunTim=29
Adsp10b=Adsp10b+(runocc/1.034).


IF (WhtAct07=1 AND RANGE(ftbllocc,1,28) AND FtBllTim ge 30)
 Adsp10b=Adsp10b+ftbllocc.
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=10
Adsp10b=Adsp10b+(ftbllocc/3.000).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=11
Adsp10b=Adsp10b+(ftbllocc/2.727).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=12
Adsp10b=Adsp10b+(ftbllocc/2.500).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=13
Adsp10b=Adsp10b+(ftbllocc/2.308).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=14
Adsp10b=Adsp10b+(ftbllocc/2.143).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=15
Adsp10b=Adsp10b+(ftbllocc/2).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=16
Adsp10b=Adsp10b+(ftbllocc/1.875).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=17
Adsp10b=Adsp10b+(ftbllocc/1.764).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=18
Adsp10b=Adsp10b+(ftbllocc/1.666).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=19
Adsp10b=Adsp10b+(ftbllocc/1.578).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=20
Adsp10b=Adsp10b+(ftbllocc/1.5).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=21
Adsp10b=Adsp10b+(ftbllocc/1.428).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=22
Adsp10b=Adsp10b+(ftbllocc/1.363).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=23
Adsp10b=Adsp10b+(ftbllocc/1.304).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=24
Adsp10b=Adsp10b+(ftbllocc/1.25).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=25
Adsp10b=Adsp10b+(ftbllocc/1.2).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=26
Adsp10b=Adsp10b+(ftbllocc/1.15).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=27
Adsp10b=Adsp10b+(ftbllocc/1.111).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=28
Adsp10b=Adsp10b+(ftbllocc/1.071).
IF (Whtact07=1 AND RANGE(ftbllocc,1,28)) AND FtBllTim=29
Adsp10b=Adsp10b+(ftbllocc/1.034).
```

```
IF (WhtAct08=1 AND RANGE(tennocc,1,28) AND TennTim ge 30)
Adsp10b=Adsp10b+tennocc.
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=10
Adsp10b=Adsp10b+(tennocc/3.000).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=11
Adsp10b=Adsp10b+(tennocc/2.727).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=12
Adsp10b=Adsp10b+(tennocc/2.500).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=13
Adsp10b=Adsp10b+(tennocc/2.308).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=14
Adsp10b=Adsp10b+(tennocc/2.143).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=15 Adsp10b=Adsp10b+(tennocc/2).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=16
Adsp10b=Adsp10b+(tennocc/1.875).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=17
Adsp10b=Adsp10b+(tennocc/1.764).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=18
Adsp10b=Adsp10b+(tennocc/1.666).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=19
Adsp10b=Adsp10b+(tennocc/1.578).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=20
Adsp10b=Adsp10b+(tennocc/1.5).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=21
Adsp10b=Adsp10b+(tennocc/1.428).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=22
Adsp10b=Adsp10b+(tennocc/1.363).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=23
Adsp10b=Adsp10b+(tennocc/1.304).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=24
Adsp10b=Adsp10b+(tennocc/1.25).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=25
Adsp10b=Adsp10b+(tennocc/1.2).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=26
Adsp10b=Adsp10b+(tennocc/1.15).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=27
Adsp10b=Adsp10b+(tennocc/1.111).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=28
Adsp10b=Adsp10b+(tennocc/1.071).
IF (Whtact08=1 AND RANGE(tennocc,1,28)) AND TennTim=29
Adsp10b=Adsp10b+(tennocc/1.034).


IF (WhtAct09=1 AND RANGE(squasocc,1,28) AND SquasTim ge 30)
Adsp10b=Adsp10b+squasocc.
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=10
Adsp10b=Adsp10b+(squasocc/3.000).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=11
Adsp10b=Adsp10b+(squasocc/2.727).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=12
Adsp10b=Adsp10b+(squasocc/2.500).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=13
Adsp10b=Adsp10b+(squasocc/2.308).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=14
Adsp10b=Adsp10b+(squasocc/2.143).
```

```
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=15
Adsp10b=Adsp10b+(squasocc/2).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=16
Adsp10b=Adsp10b+(squasocc/1.875).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=17
Adsp10b=Adsp10b+(squasocc/1.764).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=18
Adsp10b=Adsp10b+(squasocc/1.666).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=19
Adsp10b=Adsp10b+(squasocc/1.578).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=20
Adsp10b=Adsp10b+(squasocc/1.5).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=21
Adsp10b=Adsp10b+(squasocc/1.428).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=22
Adsp10b=Adsp10b+(squasocc/1.363).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=23
Adsp10b=Adsp10b+(squasocc/1.304).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=24
Adsp10b=Adsp10b+(squasocc/1.25).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=25
Adsp10b=Adsp10b+(squasocc/1.2).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=26
Adsp10b=Adsp10b+(squasocc/1.15).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=27
Adsp10b=Adsp10b+(squasocc/1.111).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=28
Adsp10b=Adsp10b+(squasocc/1.071).
IF (Whtact09=1 AND RANGE(squasocc,1,28)) AND SquasTim=29
Adsp10b=Adsp10b+(squasocc/1.034).

IF (WhtAct10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim ge 30
Adsp10b=Adsp10b+exocc.
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=10
Adsp10b=Adsp10b+(exocc/3.000).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=11
Adsp10b=Adsp10b+(exocc/2.727).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=12
Adsp10b=Adsp10b+(exocc/2.500).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=13
Adsp10b=Adsp10b+(exocc/2.308).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=14
Adsp10b=Adsp10b+(exocc/2.143).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=15
Adsp10b=Adsp10b+(exocc/2).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=16
Adsp10b=Adsp10b+(exocc/1.875).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=17
Adsp10b=Adsp10b+(exocc/1.764).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=18
Adsp10b=Adsp10b+(exocc/1.666).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=19
Adsp10b=Adsp10b+(exocc/1.578).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=20
Adsp10b=Adsp10b+(exocc/1.5).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=21
```

```
Adsp10b=Adsp10b+(exocc/1.428).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=22
Adsp10b=Adsp10b+(exocc/1.363).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=23
Adsp10b=Adsp10b+(exocc/1.304).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=24
Adsp10b=Adsp10b+(exocc/1.25).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=25
Adsp10b=Adsp10b+(exocc/1.2).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=26
Adsp10b=Adsp10b+(exocc/1.15).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=27
Adsp10b=Adsp10b+(exocc/1.111).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=28
Adsp10b=Adsp10b+(exocc/1.071).
IF (Whtact10=1 AND RANGE(exocc,1,28)) AND Exeff=1 AND ExTim=29
Adsp10b=Adsp10b+(exocc/1.034).


IF (acta=2 AND range(actaocc,1,28) AND actatim ge 30 AND actaeff=1) Adsp10b=
Adsp10b+actaocc.
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =10 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/3.000).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =11 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/2.727).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =12 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/2.500).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =13 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/2.308).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =14 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/2.143).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =15 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/2).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =16 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.875).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =17 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.764).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =18 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.666).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =19 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.578).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =20 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.5).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =21 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.428).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =22 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.363).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =23 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.304).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =24 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.25).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =25 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.2).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =26 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.15).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =27 AND actaeff=1)
```

```
Adsp10b=Adsp10b+(actaocc/1.111).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =28 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.071).
IF (acta=2 AND RANGE(actaocc,1,28) AND Actatim =29 AND actaeff=1)
Adsp10b=Adsp10b+(actaocc/1.034).

IF (any(acta,3,4,5) AND range(actaocc,1,28) AND actatim ge 30)
Adsp10b= Adsp10b+actaocc.
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =10)
Adsp10b=Adsp10b+(actaocc/3.000).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =11)
Adsp10b=Adsp10b+(actaocc/2.727).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =12)
Adsp10b=Adsp10b+(actaocc/2.500).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =13)
Adsp10b=Adsp10b+(actaocc/2.308).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =14)
Adsp10b=Adsp10b+(actaocc/2.143).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =15)
Adsp10b=Adsp10b+(actaocc/2).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =16)
Adsp10b=Adsp10b+(actaocc/1.875).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =17)
Adsp10b=Adsp10b+(actaocc/1.764).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =18)
Adsp10b=Adsp10b+(actaocc/1.666).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =19)
Adsp10b=Adsp10b+(actaocc/1.578).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =20)
Adsp10b=Adsp10b+(actaocc/1.5).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =21)
Adsp10b=Adsp10b+(actaocc/1.428).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =22)
Adsp10b=Adsp10b+(actaocc/1.363).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =23)
Adsp10b=Adsp10b+(actaocc/1.304).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =24)
Adsp10b=Adsp10b+(actaocc/1.25).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =25)
Adsp10b=Adsp10b+(actaocc/1.2).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =26)
Adsp10b=Adsp10b+(actaocc/1.15).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =27)
Adsp10b=Adsp10b+(actaocc/1.111).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =28)
Adsp10b=Adsp10b+(actaocc/1.071).
IF (any(acta,3,4,5) AND RANGE(actaocc,1,28) AND Actatim =29)
Adsp10b=Adsp10b+(actaocc/1.034).

IF (actb=2 AND RANGE(actbocc,1,28) AND actbtim ge 30 AND actBeff=1)
Adsp10b= Adsp10b+actBocc.
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =10 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/3.000).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =11 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/2.727).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =12 AND actBeff=1)
```

```
Adsp10b=Adsp10b+(actBocc/2.500).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =13 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/2.308).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =14 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/2.143).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =15 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/2).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =16 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.875).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =17 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.764).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =18 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.666).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =19 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.578).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =20 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.5).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =21 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.428).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =22 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.363).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =23 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.304).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =24 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.25).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =25 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.2).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =26 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.15).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =27 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.111).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =28 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.071).
IF (actb=2 AND RANGE(actbocc,1,28) AND Actbtim =29 AND actBeff=1)
Adsp10b=Adsp10b+(actBocc/1.034).

IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND actbtim ge 30)
 Adsp10b= Adsp10b+actbocc.
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =10)
Adsp10b=Adsp10b+(actBocc/3.000).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =11)
Adsp10b=Adsp10b+(actBocc/2.727).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =12)
Adsp10b=Adsp10b+(actBocc/2.500).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =13)
Adsp10b=Adsp10b+(actBocc/2.308).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =14)
Adsp10b=Adsp10b+(actBocc/2.143).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =15)
Adsp10b=Adsp10b+(actBocc/2).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =16)
Adsp10b=Adsp10b+(actBocc/1.875).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =17)
Adsp10b=Adsp10b+(actBocc/1.764).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =18)
Adsp10b=Adsp10b+(actBocc/1.666).
```

```
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =19)
Adsp10b=Adsp10b+(actBocc/1.578).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =20)
Adsp10b=Adsp10b+(actBocc/1.5).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =21)
Adsp10b=Adsp10b+(actBocc/1.428).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =22)
Adsp10b=Adsp10b+(actBocc/1.363).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =23)
Adsp10b=Adsp10b+(actBocc/1.304).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =24)
Adsp10b=Adsp10b+(actBocc/1.25).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =25)
Adsp10b=Adsp10b+(actBocc/1.2).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =26)
Adsp10b=Adsp10b+(actBocc/1.15).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =27)
Adsp10b=Adsp10b+(actBocc/1.111).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =28)
Adsp10b=Adsp10b+(actBocc/1.071).
IF (any(actb,3,4,5) AND RANGE(actbocc,1,28) AND Actbtim =29)
Adsp10b=Adsp10b+(actBocc/1.034).

IF (actC=2 AND RANGE(actCocc,1,28) AND actCtim ge 30 AND actCeff=1)
Adsp10b= Adsp10b+actCocc.
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =10 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/3.000).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =11 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/2.727).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =12 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/2.500).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =13 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/2.308).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =14 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/2.143).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =15 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/2).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =16 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.875).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =17 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.764).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =18 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.666).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =19 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.578).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =20 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.5).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =21 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.428).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =22 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.363).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =23 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.304).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =24 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.25).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =25 AND actCeff=1)
```

```
Adsp10b=Adsp10b+(actCocc/1.2).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =26 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.15).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =27 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.111).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =28 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.071).
IF (actC=2 AND RANGE(actCocc,1,28) AND ActCtim =29 AND actCeff=1)
Adsp10b=Adsp10b+(actCocc/1.034).

IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND actCtim ge 30)
Adsp10b= Adsp10b+actCocc.
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =10)
Adsp10b=Adsp10b+(actCocc/3.000).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =11)
Adsp10b=Adsp10b+(actCocc/2.727).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =12)
Adsp10b=Adsp10b+(actCocc/2.500).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =13)
Adsp10b=Adsp10b+(actCocc/2.308).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =14)
Adsp10b=Adsp10b+(actCocc/2.143).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =15)
Adsp10b=Adsp10b+(actCocc/2).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =16)
Adsp10b=Adsp10b+(actCocc/1.875).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =17)
Adsp10b=Adsp10b+(actCocc/1.764).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =18)
Adsp10b=Adsp10b+(actCocc/1.666).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =19)
Adsp10b=Adsp10b+(actCocc/1.578).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =20)
Adsp10b=Adsp10b+(actCocc/1.5).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =21)
Adsp10b=Adsp10b+(actCocc/1.428).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =22)
Adsp10b=Adsp10b+(actCocc/1.363).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =23)
Adsp10b=Adsp10b+(actCocc/1.304).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =24)
Adsp10b=Adsp10b+(actCocc/1.25).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =25)
Adsp10b=Adsp10b+(actCocc/1.2).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =26)
Adsp10b=Adsp10b+(actCocc/1.15).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =27)
Adsp10b=Adsp10b+(actCocc/1.111).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =28)
Adsp10b=Adsp10b+(actCocc/1.071).
IF (any(actC,3,4,5) AND RANGE(actCocc,1,28) AND ActCtim =29)
Adsp10b=Adsp10b+(actCocc/1.034).

IF (actD=2 AND RANGE(actDocc,1,28) AND actDtim ge 30 AND actDeff=1)
 Adsp10b= Adsp10b+actDocc.
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =10 AND actDeff=1)
```

```
Adsp10b=Adsp10b+(actDocc/3.000).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =11 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/2.727).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =12 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/2.500).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =13 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/2.308).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =14 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/2.143).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =15 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/2).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =16 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.875).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =17 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.764).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =18 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.666).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =19 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.578).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =20 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.5).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =21 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.428).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =22 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.363).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =23 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.304).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =24 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.25).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =25 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.2).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =26 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.15).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =27 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.111).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =28 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.071).
IF (actD=2 AND RANGE(actDocc,1,28) AND ActDtim =29 AND actDeff=1)
Adsp10b=Adsp10b+(actDocc/1.034).

IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND actDtim ge 30) Adsp10b=
Adsp10b+actDocc.
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =10)
Adsp10b=Adsp10b+(actDocc/3.000).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =11)
Adsp10b=Adsp10b+(actDocc/2.727).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =12)
Adsp10b=Adsp10b+(actDocc/2.500).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =13)
Adsp10b=Adsp10b+(actDocc/2.308).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =14)
Adsp10b=Adsp10b+(actDocc/2.143).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =15)
Adsp10b=Adsp10b+(actDocc/2).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =16)
Adsp10b=Adsp10b+(actDocc/1.875).
```

```
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =17)
Adsp10b=Adsp10b+(actDocc/1.764).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =18)
Adsp10b=Adsp10b+(actDocc/1.666).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =19)
Adsp10b=Adsp10b+(actDocc/1.578).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =20)
Adsp10b=Adsp10b+(actDocc/1.5).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =21)
Adsp10b=Adsp10b+(actDocc/1.428).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =22)
Adsp10b=Adsp10b+(actDocc/1.363).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =23)
Adsp10b=Adsp10b+(actDocc/1.304).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =24)
Adsp10b=Adsp10b+(actDocc/1.25).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =25)
Adsp10b=Adsp10b+(actDocc/1.2).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =26)
Adsp10b=Adsp10b+(actDocc/1.15).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =27)
Adsp10b=Adsp10b+(actDocc/1.111).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =28)
Adsp10b=Adsp10b+(actDocc/1.071).
IF (any(actD,3,4,5) AND RANGE(actDocc,1,28) AND ActDtim =29)
Adsp10b=Adsp10b+(actDocc/1.034).

IF RANGE(age,0,15) Adsp10b=-2.

VAR LAB Adsp10b 'Number of occasions sports 30 mins + , including 10-29 min sessions'.
execute.
missing values Adsp10b (lo thru -1).
fre Adsp10b .

* NUMBER OF DAYS ALL ACTIVITIES - ADULTS.

missing values housewrk, hwrklist, heavyday, hwtim, garden, gardlist, manwork,
        mandays, diytim,wlk5int, Wlk10M, tottim, DayWlk10 ().

COMPUTE adtot10b=0.
IF RANGE(Adsp10b,1,300) adtot10b = adtot10b +Adsp10b.
IF RANGE(adwlk10b,1,28) adtot10b = adtot10b +adwlk10b.
IF RANGE(adman10b,1,28) adtot10b = adtot10b +adman10b.
IF RANGE(adhse10b,1,28) adtot10b = adtot10b+adhse10b.
IF workactg=2 AND ftptime=1 adtot10b = adtot10b +20.
IF workactg=2 AND ftptime ne 1 adtot10b = adtot10b +12.
RECODE adtot10b (28 thru hi=28).

IF any(-9,housewrk, hwrklist, heavyday, hwtim, garden, gardlist, manwork,
        mandays, diytim,wlk5int, Wlk10M, tottim, daywlk) adtot10b =-9.

IF any (-8, housewrk, hwrklist, heavyday, hwtim, garden, gardlist, manwork,
        mandays, diytim,wlk5int, Wlk10M, tottim, daywlk) adtot10b =-8.

IF RANGE(age,0,15) adtot10b=-2.
```

```
VAR LAB adtot10b 'Total number of days active 30 mins +, 10-29 min sessions included'.
execute.

missing values housewrk, hwrklist, heavyday, hwtim, garden, gardlist, manwork,
            mandays, diytim,wlk5int, Wlk10M, tottim, daywlk, adtot10b (lo thru -1).

fre adtot10b.

*NUMBER OF DAYS PER WEEK (GROUPED).

recode adtot10b  (1 thru 3.5=1) (3.5001 thru 11.5=2) (11.5001 thru 19.5=3) (19.501 thru hi=4)
 (else=copy) INTO adtot10c.

variable label adtot10c 'Number of days per week any activities 30 mins +, 10-29 min sessions
included'.
value labels adtot10c
 0 'None'
 1 'Less than 1'
 2 '1 or 2 a week'
 3 '3 or 4 a week'
 4 '5 or more a week'.
execute.
missing values adtot10c (lo thru -1).
fre adtot10c.

*SUMMARY ACTIVITY LEVEL.

RECODE adtot10c (0,1=1) (2,3=2) (4=3) (else=copy) INTO adt10gp.
variable label adt10gp 'Summary activity level, 10-29 min sessions included'.
value labels adt10gp
 1 'Low'
 2 'Medium'
 3 'High'.
```

CHILD PHYSICAL ACTIVITY

ch15wlkb (D) Children: Days last week 15+min brisk walk
ch15wlkg (D) Children: Days last week 15+min brisk walk (grouped)
ch15hwk (D) Children: Days last week 15+min housewk/gardening
ch15hwkg (D) Children: Days last week 15+min housewk/gardening (grouped)
ch15ply (D) Children: Days last week 15+min active play
ch15plyg (D) Children: Days last week 15+min active play (grouped)
ch30ply (D) Children: Days last week 30+min active play
ch30plyg (D) Children: Days last week 30+min active play (grouped)
ch15spt (D) Children: Days last week 15+min sport
ch15sptg (D) Children: Days last week 15+min sport (grouped)
ch30spt (D) Children: Days last week 30+min sport
ch30sptg (D) Children: Days last week 30+min sport (grouped)
ch15act (D) Children: Days last week 15+min sport+active play
ch15actg (D) Children: Days last week 15+min sport+active play (grouped)
ch30act (D) Children: Days last week 30+min sport+active play
ch30actg (D) Children: Days last week 30+min sport+active play (grouped)
ch00tot (D) Children: Days last week all activities - no time limits

```
**no. of days walked for at least 15 minutes at a time.

missing values wlk5ch daywlkt dwlkchb ().

compute ch15wlkb=-1.
IF AGE>=16 | AGE LT 2 ch15wlkb=-2.
IF wlk5ch=2 ch15wlkb=0.
IF (RANGE(daywlkt,3,11) AND RANGE(dwlkchb,1,7)) ch15wlkb=dwlkchb.
IF (RANGE(daywlkt,1,2) AND RANGE(dwlkchb,1,7)) ch15wlkb=0.
IF ANY(-9,wlk5ch,dwlkchb,daywlkt)|ANY(-8,wlk5ch,dwlkchb,daywlkt) ch15wlkb=-8.
recode ch15wlkb (1,2=1) (3,4=3) (5,6,7=5) (else=copy) INTO ch15wlkg.
variable label ch15wlkb '(D) Children: Days last week 15+min brisk walk'.
variable label ch15wlkg
   '(D) Children: Days last week 15+min brisk walk (grouped)'.
value labels ch15wlkg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.

cro daywlkt dwlkchb by ch15wlkb.


missing values wlk5ch daywlkt dwlkchb ch15wlkb ch15wlkg (lo thru -1).

** no. of days housework/gardening for at least 15 minutes a time.
** asked of 8-15 only!

missing values hwkch dhwkch ().

compute ch15hwk=-1.
IF AGE>=16 | AGE LT 8  ch15hwk=-2.
IF hwkch=2 ch15hwk=0.
IF (RANGE(dhwkch,1,7)) ch15hwk=dhwkch.
IF ANY(-9,hwkch,dhwkch)|ANY(-8,hwkch,dhwkch) ch15hwk=-8.
```

```
recode ch15hwk (1,2=1) (3,4=3) (5,6,7=5) (else=copy) INTO ch15hwkg.
variable label ch15hwk '(D) Children: Days last week 15+min housewk/gardening'.
variable label ch15hwkg
  '(D) Children: Days last week 15+min housewk/gardening (grouped)'.
value labels ch15hwkg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.

missing values hwkch dhwkch ch15hwk ch15hwkg (lo thru -1).


** no. of days did active play for at least 15 minutes a time.

missing values weactch lweact dweactch wkactch lwkact ().

compute ch15ply=0.
IF AGE>=16 | AGE lt 2 ch15ply=-2.
IF weactch=2 AND wkactch=0 ch15ply=0.
IF RANGE(lweact,3,11) AND ANY(dweactch,1,2) ch15ply=1.
IF RANGE(lweact,4,11) AND dweactch=3 ch15ply=2.
IF RANGE(lwkact,3,11) AND RANGE(wkactch,1,5) ch15ply=ch15ply + wkactch.
IF ANY(-8,weactch,lweact,dweactch,wkactch,lwkact)
   |ANY(-9,weactch,lweact,dweactch,wkactch,lwkact) ch15ply=-8.
recode ch15ply (1,2=1) (3,4=3) (5,6,7=5) (else=copy) INTO ch15plyg.
variable label ch15ply '(D) Children: Days last week 15+min active play'.
variable label ch15plyg
  '(D) Children: Days last week 15+min active play (grouped)'.
value labels ch15plyg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.

missing values weactch lweact dweactch wkactch lwkact ch15ply ch15plyg (lo thru -1).

** no. of days did active play for at least 30 minutes a time.

missing values weactch lweact dweactch wkactch lwkact ().

compute ch30ply=0.
IF AGE>=16 | AGE lt 2 ch30ply=-2.
IF weactch=2 AND wkactch=0 ch30ply=0.
IF RANGE(lweact,4,11) AND ANY(dweactch,1,2) ch30ply=1.
IF RANGE(lweact,5,11) AND dweactch=3 ch30ply=2.
IF RANGE(lwkact,4,11) AND RANGE(wkactch,1,5) ch30ply=ch30ply + wkactch.
IF ANY(-8,weactch,lweact,dweactch,wkactch,lwkact)
   |ANY(-9,weactch,lweact,dweactch,wkactch,lwkact) ch30ply=-8.
recode ch30ply (1,2=1) (3,4=3) (5,6,7=5) (else=copy) INTO ch30plyg.
variable label ch30ply '(D) Children: Days last week 30+min active play'.
variable label ch30plyg
  '(D) Children: Days last week 30+min active play (grouped)'.
value labels ch30plyg
 0 'None'
 1 '1 or 2'
```

```
 3 '3 or 4'
 5 '5 or more'.

missing values weactch lweact dweactch wkactch lwkact ch30ply ch30plyg (lo thru -1).



** no. of days did sport for at least 15 minutes a time.

missing values spt1ch lwesp dwespch lwksp dayspch ().

compute ch15spt=0.
IF AGE>=16 | AGE lt 2 ch15spt=-2.
IF spt1ch=2 ch15spt=0.
IF RANGE(lwesp,3,11) AND ANY(dwespch,1,2) ch15spt=1.
IF RANGE(lwesp,4,11) AND dwespch=3 ch15spt=2.
IF RANGE(lwksp,3,11) AND RANGE(dayspch,1,5) ch15spt=ch15spt + dayspch.
IF ANY(-8,spt1ch,lwesp,dwespch,lwksp,dayspch)
   |ANY(-9,spt1ch,lwesp,dwespch,lwksp,dayspch) ch15spt=-8.
recode ch15spt (1,2=1) (3,4=3) (5,6,7=5) (else=copy) INTO ch15sptg.
variable label ch15spt '(D) Children: Days last week 15+min sport'.
variable label ch15sptg
  '(D) Children: Days last week 15+min sport (grouped)'.
value labels ch15sptg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.

missing values spt1ch lwesp dwespch lwksp dayspch ch15spt ch15sptg (lo thru -1).


** no. of days did sport for at least 30 minutes a time.

missing values spt1ch lwesp dwespch lwksp dayspch ().

compute ch30spt=0.
IF AGE>=16 | AGE lt 2 ch30spt=-2.
IF spt1ch=2 ch30spt=0.
IF RANGE(lwesp,4,11) AND ANY(dwespch,1,2) ch30spt=1.
IF RANGE(lwesp,5,11) AND dwespch=3 ch30spt=2.
IF RANGE(lwksp,4,11) AND RANGE(dayspch,1,5) ch30spt=ch30spt + dayspch.
IF ANY(-8,spt1ch,lwesp,dwespch,lwksp,dayspch)
   |ANY(-9,spt1ch,lwesp,dwespch,lwksp,dayspch) ch30spt=-8.
recode ch30spt (1,2=1) (3,4=3) (5,6,7=5) (else=copy) INTO ch30sptg.
variable label ch30spt '(D) Children: Days last week 30+min sport'.
variable label ch30sptg
  '(D) Children: Days last week 30+min sport (grouped)'.
value labels ch30sptg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.


missing values spt1ch lwesp dwespch lwksp dayspch ch30spt ch30sptg (lo thru -1).
```

```
* no. of days sports plus active play - 15 mins +.

missing values ch15spt ch15ply ().

COMPUTE ch15act=0.
IF (RANGE(ch15spt,0,7)) ch15act=ch15spt.
IF (RANGE(ch15ply,0,7)) ch15act=ch15act + ch15ply.
IF ANY(-8,ch15spt,ch15ply) ch15act=-8.
IF ANY(-1,ch15spt,ch15ply) ch15act=-1.
IF ANY(-2,ch15spt,ch15ply) ch15act=-2.
recode ch15act (1,2=1) (3,4=3) (5,6,7,8,9,10,11,12,13,14=5)
  (else=copy) into ch15actg.
variable label ch15act
  '(D) Children: Days last week 15+min sport+active play'.
variable label ch15actg
  '(D) Children: Days last week 15+min sport+active play (grouped)'.
value labels ch15actg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.

missing values ch15spt ch15ply ch15act ch15actg (lo thru -1).

* no. of days sports plus active play - 30 mins +.

missing values ch30spt ch30ply ().

COMPUTE ch30act=0.
IF (RANGE(ch30spt,0,7)) ch30act=ch30spt.
IF (RANGE(ch30ply,0,7)) ch30act=ch30act + ch30ply.
IF ANY(-8,ch30spt,ch30ply) ch30act=-8.
IF ANY(-1,ch30spt,ch30ply) ch30act=-1.
IF ANY(-2,ch30spt,ch30ply) ch30act=-2.
recode ch30act (1,2=1) (3,4=3) (5,6,7,8,9,10,11,12,13,14=5)
  (else=copy) into ch30actg.
variable label ch30act
  '(D) Children: Days last week 30+min sport+active play'.
variable label ch30actg
  '(D) Children: Days last week 30+min sport+active play (grouped)'.
value labels ch30actg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.

freq ch30act.

missing values ch30spt ch30ply ch30act ch30actg (lo thru -1).



** no of days any phys activities - no limit on time.
```

```
missing values wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,
  weactch,dweactch,wkactch ().

compute ch00tot = 0.
IF (range(dwlkchb,1,7)) ch00tot=dwlkchb.
IF (range(dhwkch,1,7)) ch00tot = ch00tot + dhwkch.
IF (range(dwespch,1,2)) ch00tot = ch00tot + 1.
IF dwespch = 3 ch00tot = ch00tot + 2.
IF (range(dayspch,1,5)) ch00tot = ch00tot+dayspch.
IF (range(dweactch,1,2)) ch00tot=ch00tot+1.
IF dweactch=3 ch00tot=ch00tot+2.
IF (range(wkactch,1,5)) ch00tot=ch00tot+wkactch.
IF ANY(-8,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,
  weactch,dweactch,wkactch) |
  ANY(-9,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,
  weactch,dweactch,wkactch) ch00tot=-8.
IF AGE>=16 | AGE lt 2 ch00tot=-2.
recode ch00tot (7 thru hi=7).
variable label ch00tot
   '(D) Children: Days last week all activities - no time limits'.

freq ch00tot.

missing values wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,
  weactch,dweactch,wkactch ch00tot (lo thru -1).
```

ch00tim (D) Children: Time last week total activities - no lower limit
ch00mpd (D) Children min/day all activities - no lower limit
ch00mpdg (D) Children min/day all activities - no lower limit (grouped)
ch15tot (D) Children: Days last week 15+min total activities
ch15totg (D) Children: Days last week 15+min total activities (grouped)
ch15tim (D) Children: Time last week 15+min total activities

```
** total time doing any activities - no time limit.

RECODE lwesp (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO wesp.
RECODE lwksp (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO wksp.
RECODE lweact (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO weac.
RECODE lwkact (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO wkac.

missing values wlk5ch dwlkchb hwkch dhwkch spt1ch dwespch dayspch weactch,
   dweactch wkactch lwesp lwksp lweact lwkact ().

compute ch00tim =0.
IF (range(dwlkchb,1,7)) ch00tim=dwlkchb*15.
IF (range(dhwkch,1,7)) ch00tim=ch00tim + (dhwkch*15).
IF (range(dwespch,1,2)) & (range(wesp,2.5,240))
   ch00tim=ch00tim + wesp.
IF (dwespch=3) & (range(wesp,2.5,240))
   ch00tim=ch00tim + ( wesp).
```

```
IF (range(dayspch,1,5)) & (range(wksp,2.5,240))
   ch00tim=ch00tim + (dayspch* wksp).
IF (range(dweactch,1,2)) & (range(weac,2.5,240))
   ch00tim=ch00tim + weac.
IF (dweactch=3) & (range(weac,2.5,240))
   ch00tim=ch00tim + ( weac).
IF (range(wkactch,1,5)) & (range(wkac,2.5,240))
   ch00tim=ch00tim + (wkactch* wkac).
IF ANY(-8,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,weactch,
   dweactch,wkactch,lwesp,lwksp,lweact,lwkact) |
   ANY(-9,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,weactch,
   dweactch,wkactch,lwesp,lwksp,lweact,lwkact) ch00tim=-8.
IF age>=16 or age lt 2 ch00tim=-2.
variable label ch00tim
  '(D) Children: Time last week total activities - no lower limit'.

missing values wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,weactch,
   dweactch,wkactch,lwesp,lwksp,lweact,lwkact ch00tim  (lo thru -1).


** time per day any activities no time limit.

missing values ch00tim ch00tot ().

IF (range(ch00tot,1,7)) ch00mpd = ch00tim/ch00tot.
IF ch00tim=0 ch00mpd=0.
IF age>=16 or age lt 2 ch00mpd=-2.
IF ANY(-8,ch00tim,ch00tot) ch00mpd=-8.
recode ch00mpd (1 thru 29.99=1) (30 thru 59.99=2) (60 thru hi=3)
 (else=copy) INTO ch00mpdg.
variable label ch00mpd '(D) Children min/day all activities - no lower limit'.
variable label ch00mpdg
   '(D) Children min/day all activities - no lower limit (grouped)'.
value labels ch00mpdg
 0 'No time'
 1 '1-29 minutes'
 2 '30 -59 minutes'
 3  '60 minutes or more'.

missing values ch00tim ch00tot ch00mpd ch00mpdg (lo thru -1).

** no of days any phys activities.

missing values ch15act ch15wlkb ch15hwk ().

compute ch15tot=0.
IF (RANGE(ch15act,0,14)) ch15tot=ch15act.
IF (RANGE(ch15wlkb,0,7)) ch15tot=ch15tot + ch15wlkb.
IF (RANGE(ch15hwk,0,7)) ch15tot=ch15tot + ch15hwk.
IF ANY(-8,ch15act,ch15wlkb,ch15hwk) ch15tot=-8.
IF age>=16 OR age lt 2 ch15tot=-2.
recode ch15tot(7 thru hi=7).
recode ch15tot (1,2=1) (3,4=3) (5 thru 7=5) (else=copy) into ch15totg.
variable label ch15tot
  '(D) Children: Days last week 15+min total activities'.
variable label ch15totg
```

```
  '(D) Children: Days last week 15+min total activities (grouped)'.
value labels ch15totg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.

missing values ch15act ch15wlkb ch15hwk ch15tot ch15totg (lo thru -1).

* total time doing any activities - at least 15 mins.

Missing values wlk5ch dwlkchb hwkch dhwkch spt1ch dwespch dayspch weactch
   dweactch wkactch lwesp lwksp lweact lwkact ().

RECODE lwesp (1,2=0)  (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240) (ELSE=0) INTO wesp.
RECODE lwksp (1,2=0)  (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240) (ELSE=0) INTO wksp.
RECODE lweact (1,2=0)  (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240) (ELSE=0)  INTO weac.
RECODE lwkact (1,2=0)  (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240) (ELSE=0)  INTO wkac.
compute ch15tim =0.
IF (range(dwlkchb,1,7)) ch15tim=dwlkchb*5.
IF (range(dhwkch,1,7)) ch15tim=ch15tim + (dhwkch*15).
IF (range(dwespch,1,2)) & (range(wesp,22.5,240))
   ch15tim=ch15tim + wesp.
IF (dwespch=3) & (range(wesp,45,240))
   ch15tim=ch15tim + (wesp).
IF (range(dayspch,1,5)) & (range(wksp,22.5,240))
   ch15tim=ch15tim + (dayspch* wksp).
IF (range(dweactch,1,2)) & (range(weac,22.5,240))
   ch15tim=ch15tim + weac.
IF (dweactch=3) & (range(weac,45,240))
   ch15tim=ch15tim + (weac).
IF (range(wkactch,1,5)) & (range(wkac,22.5,240))
   ch15tim=ch15tim + (wkactch* wkac).
IF ANY(-8,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,weactch,
   dweactch,wkactch,lwesp,lwksp,lweact,lwkact) |
   ANY(-9,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,weactch,
   dweactch,wkactch,lwesp,lwksp,lweact,lwkact) ch15tim=-8.
IF age>=16 Or age lt 2 ch15tim=-2.
variable label ch15tim
  '(D) Children: Time last week 15+min total activities'.

freq ch15tim.

Missing values wlk5ch dwlkchb hwkch dhwkch spt1ch dwespch dayspch weactch
   dweactch wkactch lwesp lwksp lweact lwkact ch15tim (lo thru -1).

** time per day any activities 15 mins plus.

missing values ch15tim ch15tot ().
```

ch15mpd (D) Children min/day all activities - 15+min
ch15mpdg (D) Children min/day all activities - 15+min (grouped)
ch15sum (D) Children: Summary classification 15+min activity levels
ch15sumg (D) Children: Summary classification 15+min activity levels (grouped)
ch00sum7 (D) Children: Summary classification activity levels - All activities, no lower limits (all 7 days X 60+mins)

```
IF (range(ch15tot,1,7)) ch15mpd = ch15tim/ch15tot.
IF ch15tim=0 ch15mpd=0.
IF ANY(-8,ch15tim,ch15tot) ch15mpd=-8.
IF age>=16 Or age lt 2 ch15mpd=-2.
recode ch15mpd (1 thru 29.99=1) (30 thru 59.99=2) (60 thru 119.99=3)
 (120 thru hi=4) (else=copy) INTO ch15mpdg.
variable label ch15mpd '(D) Children min/day all activities - 15+min'.
variable label ch15mpdg
   '(D) Children min/day all activities - 15+min (grouped)'.
value labels ch15mpdg
 0 'No time'
 1 '1-29 minutes'
 2 '30-59 minutes'
 3 '60-119 minutes'
 4 '120 minutes+'.

** overall classification.
IF ((RANGE(ch15tot,5,7)) & ch15mpdg=4) ch15sum=1.
IF ((RANGE(ch15tot,5,7)) & ch15mpdg=3) ch15sum=2.
IF ((RANGE(ch15tot,5,7)) & ch15mpdg=2) ch15sum=3.
IF ((RANGE(ch15tot,5,7)) & ch15mpdg=1) ch15sum=4.
IF ((RANGE(ch15tot,1,4)) & (RANGE(ch15mpdg,2,4))) ch15sum=5.
IF ((RANGE(ch15tot,0,4)) & (RANGE(ch15mpdg,0,1))) ch15sum=6.
IF age>=16 OR age LT 2 ch15sum=-2.
RECODE ch15sum (SYSMIS=-8).
variable label ch15sum
   '(D) Children: Summary classification 15+min activity levels'.
value labels ch15sum 1 '120 mins + 5-7 days'
  2 '60-119 mins 5-7 days a wk'
  3 '30-59 mins 5+ days'
  4 '1-29 mins 5+ days'
  5 '30 mins + 1-4 days a wk'
  6 '<30 mins <5 days'.

recode ch15sum (1,2=1) (3=2) (4,5,6=3) (else=copy) INTO ch15sumg.
variable label ch15sumg
   '(D) Children: Summary classification 15+min activity levels (grouped)'.
value labels ch15sumg
  1 'Group 1:60+min on at least 5 days'
  2 'Group 2:30-59min on at least 5 days'
  3 'Group 3:Lower level of activity'.

missing values ch15tim ch15mpd ch15mpdg ch15sum ch15sumg (lo thru -1).

COMPUTE ch00sum7=-8.
IF (ch00tot=7 & ch00mpdg=3) ch00sum7=1.
IF (ch00tot=7 & ch00mpdg=2) ch00sum7=2.
IF ((RANGE(ch00tot,1,7)) & (RANGE(ch00mpdg, 0,1))) ch00sum7=3.
```

```
IF ((RANGE(ch00tot,1,6)) & (RANGE(ch00mpdg, 2,3))) ch00sum7=3.
IF AGE ge 16 ch00sum7=-2.
IF age LT 2 ch00sum7=-1.
variable label ch00sum7
   '(D) Children: Summary classification activity levels - All activities, no lower limits (all 7 days X
60+mins)'.
VAL LAB ch00sum7
-1 'Age 0-1'
-2 'Age 16+'
  1 'Group 1:60+min on all 7 days'
  2 'Group 2:30-59min on all 7 days'
  3 'Group 3:Lower level of activity'.

missing values ch00sum7 (lo thru -1).
```

sprtdays (D) Number of days sports/exercise (no lower limit)
ch00sptg (D) Days last week (no lower limit) sports&exercise (grouped)
actdays (D) Number of days active playing (no lower limits)
ch00plyg (D) Days last week (no lower limit) active playing (grouped)
wlkdays (D) Number of days walking 5mins+
ch00wlkg (D) Days last week (5+) mins walking (grouped)
gardays (D) Number of days housework/gardening (15+)
ch00hswg (D) Days last week (15+) mins housework/gardening (grouped)
ch00totg (D) Children: Days last week any physical activties (grouped)

```
**********days sports**********.

missing values dwespch dayspch spt1ch ().

freq dwespch dayspch spt1ch .

COMPUTE sprtdays=0.
IF  (range(dwespch,1,2)) sprtdays= sprtdays + 1.
IF dwespch=3 sprtdays=sprtdays+ 2.
IF (range(dayspch,1,5)) sprtdays= sprtdays+dayspch.
IF ANY (-8, dwespch,dayspch, spt1ch) |  ANY (-9, dwespch,dayspch, spt1ch) sprtdays=-8.
IF (spt1ch=2)sprtdays=0.
IF age ge 16 or age lt 2 sprtdays=-2.
VAR LAB sprtdays '(D) Number of days sports/exercise (no lower limit)'.

RECODE sprtdays (0=0) (1 thru 2=1) (3 thru 4=2) (5 thru highest=3) (else=copy) INTO ch00sptg.
VAR LAB ch00sptg ' (D) Days last week (no lower limit) sports&exercise (grouped)'.
VAL LAB ch00sptg
0 'None'
1 '1-2 days'
2 '3-4 days'
3 '5 or more days'.

missing values dwespch dayspch spt1ch sprtdays ch00sptg (lo thru -1).

freq sprtdays ch00sptg.


**********days active playing**********.

missing values  dweactch wkactch weactch ().
```

```
COMPUTE actdays =0.
IF (range(dweactch,1,2)) actdays=actdays+1.
IF dweactch=3 actdays=actdays+2.
IF (range(wkactch,1,5)) actdays=actdays+wkactch.
IF ANY (-8, dweactch, wkactch, weactch) | ANY (-8, dweactch, wkactch, weactch)  actdays=-8.
IF age ge 16 or age lt 2 actdays=-2.
VAR LAB actdays '(D) Number  of days active playing (no lower limits)'.

RECODE actdays (0=0) (1 thru 2=1) (3 thru 4=2) (5 thru highest=3) (else=copy) INTO ch00plyg.
VAR LAB ch00plyg ' (D) Days last week (no lower limit) active playing (grouped)'.
VAL LAB ch00plyg
0 'None'
1 '1-2 days'
2 '3-4 days'
3 '5 or more days'.


missing values dweactch wkactch weactch actdays ch00plyg  (lo thru -1).

freq actdays ch00plyg.

*******wALKING DAYS************

missing values dwlkchb wlk5ch ().

COMPUTE wlkdays =0.
IF (wlk5ch=1 & RANGE(dwlkchb, -9, -1))  or range(wlk5ch,-9,-1) wlkdays=-8.
IF (range(dwlkchb,1,7)) wlkdays=dwlkchb.
IF age ge 16 or age lt 2 wlkdays=-2.
VAR LAB wlkdays '(D) Number of days walking 5mins+'.
MISS VAL wlkdays wlk5ch (-99 thru -1).


RECODE wlkdays (0=0) (1 thru 2=1) (3 thru 4=2) (5 thru highest=3) (else=copy) INTO ch00wlkg.
VAR LAB ch00wlkg ' (D) Days last week (5+) mins walking (grouped)'.
VAL LAB ch00wlkg
0 'None'
1 '1-2 days'
2 '3-4 days'
3 '5 or more days'.


missing values dwlkchb wlk5ch wlkdays ch00wlkg  ().


freq wlkdays ch00wlkg .


***************days housework/gardening*****************************.

missing values dhwkch hwkch ().

COMPUTE gardays=0.
IF (hwkch=1 & RANGE(dhwkch, -9, -1)) or range(hwkch,-9,-1) gardays=-8.
IF (range(dhwkch,1,7)) gardays= gardays + dhwkch.
```

```
IF age ge 16 or age lt 2 gardays=-2.

VAR LAB gardays '(D) Number of days housework/gardening (15+)'.


RECODE gardays (0=0) (1 thru 2=1) (3 thru 4=2) (5 thru highest=3) (else=copy) INTO ch00hswg.
VAR LAB ch00hswg ' (D) Days last week (15+) mins housework/gardening (grouped)'.
VAL LAB ch00hswg
0 'None'
1 '1-2 days'
2 '3-4 days'
3 '5 or more days'.


missing values dhwkch hwkch gardays ch00hswg (-99 thru -1).


RECODE ch00tot (1,2=1) (3,4=3) (5 thru 7=5) (else=copy) into ch00totg.
variable label ch00tot
  '(D) Children: Days last week (no lower limit) total activities'.
variable label ch00totg
  '(D) Children: Days last week any physical activties (grouped)'.
value labels ch00totg
 0 'None'
 1 '1 or 2'
 3 '3 or 4'
 5 '5 or more'.
```

ch00totS (D) Children: Days last week all activities INC SCHOOL - no time limits
ch00timS (D) Children: Time last week total activities INC SCHOOL - no lower limit
ch00mpdS (D) Children min/day all activities INC SCHOOL - no lower limit
ch00mpgS (D) Children min/day all activities - INC SCHOOL no lower limit (grouped)
c00sum7S (D) Children: Summary classification activity levels - All activities, INC SCHOOL no lower limits (all 7 days X 60+mins)

```
**Creating a summary activity variable including school activities.

** no of days any phys activities INCLUDING SCHOOL ACTIVITIES - no limit on time.

missing values wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,
  weactch,dweactch,wkactch, SchDays SchTime SchTmH SchTmM SChact ().

fcompute ch00totS = 0.
IF (range(dwlkchb,1,7)) ch00totS=dwlkchb.
IF (range(dhwkch,1,7)) ch00totS= ch00totS+ dhwkch.
IF (range(dwespch,1,2)) ch00totS = ch00totS + 1.
IF dwespch = 3 ch00totS = ch00totS + 2.
IF (range(dayspch,1,5)) ch00totS= ch00totS+dayspch.
IF (range(dweactch,1,2)) ch00totS=ch00totS+1.
IF dweactch=3 ch00totS=ch00totS+2.
IF (range(wkactch,1,5)) ch00totS=ch00totS+wkactch.
IF (range(SchDays,1,7)) ch00totS=ch00totS+SchDays.
IF ANY(-8,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,
```

```
  weactch,dweactch,wkactch) |
  ANY(-9,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,
  weactch,dweactch,wkactch) ch00totS=-8.
IF AGE>=16 | AGE lt 2 ch00totS=-2.
recode ch00totS(7 thru hi=7).
variable label ch00totS
   '(D) Children: Days last week all activities INC SCHOOL - no time limits'.

freq ch00totS.

missing values wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,
  weactch,dweactch,wkactch ch00tots (lo thru -1).

RECODE lwesp (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO wesp.
RECODE lwksp (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO wksp.
RECODE lweact (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO weac.
RECODE lwkact (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO wkac.
RECODE SchTime (1=2.5) (2=10) (3=22.5) (4=45) (5=75) (6=105) (7=135) (8=165)
 (9=195) (10=225) (11=240)(ELSE=0) INTO scac.

missing values wlk5ch dwlkchb hwkch dhwkch spt1ch dwespch dayspch weactch,
   dweactch wkactch lwesp lwksp lweact lwkact Schtime schdays ().

compute ch00timS =0.
IF (range(dwlkchb,1,7)) ch00timS=dwlkchb*15.
IF (range(dhwkch,1,7)) ch00timS=ch00timS+ (dhwkch*15).
IF (range(dwespch,1,2)) & (range(wesp,2.5,240))
   ch00timS=ch00timS+ wesp.
IF (dwespch=3) & (range(wesp,2.5,240))
   ch00timS=ch00timS+ ( wesp).
IF (range(dayspch,1,5)) & (range(wksp,2.5,240))
   ch00timS=ch00timS+ (dayspch* wksp).
IF (range(dweactch,1,2)) & (range(weac,2.5,240))
   ch00timS=ch00timS+ weac.
IF (dweactch=3) & (range(weac,2.5,240))
   ch00timS=ch00timS+ ( weac).
IF (range(wkactch,1,5)) & (range(wkac,2.5,240))
   ch00timS=ch00timS+ (wkactch* wkac).
IF (range(schdays,1,7)) & (range(scac,2.5,240))
   ch00timS=ch00timS+ (schdays* scac).
IF ANY(-8,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,weactch,
   dweactch,wkactch,lwesp,lwksp,lweact,lwkact) |
   ANY(-9,wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,weactch,
   dweactch,wkactch,lwesp,lwksp,lweact,lwkact) ch00timS=-8.
IF age>=16 or age lt 2 ch00timS=-2.
variable label ch00timS
  '(D) Children: Time last week total activities INC SCHOOL - no lower limit'.

freq ch00tim ch00tims.

missing values wlk5ch,dwlkchb,hwkch,dhwkch,spt1ch,dwespch,dayspch,weactch,
   dweactch,wkactch,lwesp,lwksp,lweact,lwkact ch00tim  (lo thru -1).
```

```
missing values ch00timS ch00totS ().

IF (range(ch00totS,1,7)) ch00mpdS = ch00timS/ch00totS.
IF ch00timS=0 ch00mpdS=0.
IF age>=16 or age lt 2 ch00mpdS=-2.
IF ANY(-8,ch00timS,ch00totS) ch00mpdS=-8.
recode ch00mpdS (1 thru 29.99=1) (30 thru 59.99=2) (60 thru hi=3)
 (else=copy) INTO ch00mpgS.
variable label ch00mpdS '(D) Children min/day all activities INC SCHOOL - no lower limit'.
variable label ch00mpgS
   '(D) Children min/day all activities - INC SCHOOL no lower limit (grouped)'.
value labels ch00mpgS
 0 'No time'
 1 '1-29 minutes'
 2 '30 -59 minutes'
 3  '60 minutes or more'.

freq ch00mpdg ch00mpgS.

COMPUTE c00sum7S=-8.
IF (ch00totS=7 & ch00mpgS=3) c00sum7S=1.
IF (ch00totS=7 & ch00mpgS=2) c00sum7S=2.
IF ((RANGE(ch00totS,1,7)) & (RANGE(ch00mpgS, 0,1))) c00sum7S=3.
IF ((RANGE(ch00totS,1,6)) & (RANGE(ch00mpgS, 2,3))) c00sum7S=3.
IF AGE ge 16 c00sum7S=-2.
IF age LT 2 c00sum7S=-1.
variable label c00sum7S
   '(D) Children: Summary classification activity levels - All activities, INC SCHOOL no lower limits
(all 7 days X 60+mins)'.
VAL LAB c00sum7S
-1 'Age 0-1'
-2 'Age 16+'
  1 'Group 1:60+min on all 7 days'
  2 'Group 2:30-59min on all 7 days'
  3 'Group 3:Lower level of activity'.

exe.
```

Parental physical activity DVs

Fadt10gp (D) Father\male guardian summary physical activity
Madt10gp (D) Mother\female guardian summary physical activity

These exist only if the child's mother and/or father are also respondents. Adults physical activity summary variables are written out and matched into child's data where the adult is the parent of the child - separately for male adults and female adults. This is done in stages and the syntax has not been included but can be supplied if required.

Padt10gp (D) Parental summary physical activity

```
* Parental version of variable.

missing values Madt10gp Fadt10gp ().

compute Padt10gp=0.
```

```
IF Madt10gp=3 AND Fadt10gp=3 Padt10gp=1.
IF ANY (Madt10gp,1,2) AND ANY (Fadt10gp,1,2)Padt10gp=2.
IF Madt10gp=3 AND ANY (Fadt10gp,1,2)Padt10gp=3.
IF Fadt10gp=3 AND ANY (Madt10gp,1,2)Padt10gp=4.
IF Madt10gp=3 AND ANY (Fadt10gp,-1,-8)Padt10gp=5.
IF Fadt10gp=3 AND ANY (Madt10gp,-1,-8)Padt10gp=6.
IF ANY (Madt10gp,1,2)  AND ANY (Fadt10gp,-1,-8)Padt10gp=7.
IF ANY (Fadt10gp,1,2)  AND ANY (Madt10gp,-1,-8)Padt10gp=8.
IF ANY (Fadt10gp,-1,-8) AND ANY (Madt10gp,-1,-8)Padt10gp=-1.
IF AGE GE 16 Padt10gp=-2.


var labels Padt10gp "(D) Parental summary physical activity".

value labels Padt10gp
1 "Both parents high"
2  "Both parents low/medium"
3  "Mother high, father low/medium"
4  "Father high/mother low/medium"
5 "Mother high, no data for father"
6 "Father high, no data for mother"
7 "Mother low/medium, no data for father"
8 "Father low/medium, no data for mother"

missing values Madt10gp Fadt10gp Padt10gp  (lo thru -1).
```

EATING HABITS

breadt08 (D) Bread type: high fibre / white
breadall (D) Combined bread type & volume eaten
breadV (D) Volume of bread eaten inc. those who don't eat bread (grouped)

```
recode usbred08 (2,3,4=1) (1=2) (5=3) (6=4) (else=copy) into breadt08.
variable label breadt08 "(D) Bread type: high fibre / white".
val labs breadt08
1 'High fibre'
2 'White'
3 'No usual type'
4 'Does not eat bread'
-8 'Don"t know'
7 'Other type: unknown'.
execute.
cro usbred08 by breadt08.

*breadall.
missing values breadt08 ().
compute breadall=-3.
If (range(brslice,1,3) and breadt08 =1) breadall=1.
If (range(brslice,1,3) and breadt08 =2) breadall=2.
If (range(brslice,1,3) and breadt08 =3) breadall=3.
If (range(brslice,1,3) and breadt08 =7) breadall=4.
If (range(brslice,4,5) and breadt08 =1) breadall=5.
If (range(brslice,4,5) and breadt08 =2) breadall=6.
If (range(brslice,4,5) and breadt08 =3) breadall=7.
If (range(brslice,4,5) and breadt08 =7) breadall=8.
If (breadt08 =4) breadall=9.
If ((brslice=-8) | (brslice=-9)) breadall=-8.
If ((breadt08 =-8) | (breadt08 =-9)) breadall=-8.
```

```
If (breadt08 =-1) breadall=-1.
If (breadt08 =-2) breadall=-2.
variable labels breadall "(D) Combined bread type & volume eaten".
val labs breadall
1 'High fibre: at least 2 slices a day'
2 'White: at least 2 slices a day'
3 'No usual type: at least 2 slices a day'
4 'Type unknown: at least 2 slices a day'
5 'High fibre: <2 slices a day'
6 'White: <2 slices a day'
7 'No usual type: <2 slices a day'
8 'Type unknown: <2 slices a day'
9 'Does not eat bread'
-1 'Item not applicable'
-2 'Schedule not applicable'
-8 'Don"t know / not answered'.
execute.

cro breadall by breadt08 .
cro breadall by brslice .

*breadV.
missing values breadall ().
recode breadall (1 thru 4=1) (5 thru 8=2) (else=copy) into breadV.
var lab breadV "(D) Volume of bread eaten inc. those who don't eat bread (grouped)".
val labs breadV
1 'At least 2 slices a day'
2 '1 slice or less a day'
9 'Does not eat bread'
-1 'Item not applicable'
-2 'Schedule not applicable'
-8 'Don"t know / not answered'.
execute.
cro breadall by breadV.

missing values breadt08 breadall breadV usbred08 brslice (lo thru -1).
```

FRUIT AND VEGETABLE CONSUMPTION

porftvg (D) Grouped portions of fruit (inc.fruit juice) & veg yesterday
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
porftvg5 (D) Grouped portions of fruit (inc. fruit juice) & veg yesterday 5-a-day
porftvg3 (D) Grouped portions of fruit (inc.fruit juice) & veg (5/less than 5/none)

```
**Fruit and veg portions.

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.
exe.

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.
exe.

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.
exe.

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.
exe.

compute porfrt=porlge+porsml+poroth.

compute pordry=0.
if (frtdry=1 & frtdryq>0) pordry=frtdryq.
if pordry>1 pordry=1.
exe.

compute porfroz=0.
if (frtfroz=1 & frtfrozq>0) porfroz=frtfrozq/3.
exe.

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.
exe.

**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".

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.fruit 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".
exe.

freq porfv.

RECODE porfv (0=0) (5 thru hi=6) (4 thru 5=5) (3 thru 4=4)
```

```
(2 thru 3=3) (1 thru 2=2) (0 thru 1=1)into porftvg5.
VARIABLE LABELS  porftvg5 "(D) Grouped portions of fruit (inc. fruit juice) & veg yesterday 5-a-day" .
VALUE LABELS porftvg5
  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".
exe.

freq porftvg5.

* new DVs for 2008 tables.

RECODE porfv (0=0) (5 thru hi=2) (0 thru 5=1) into porftvg3.
VARIABLE LABELS  porftvg3 "(D) Grouped portions of fruit (inc.fruit juice) & veg (5/less than 5/none)" .
VALUE LABELS porftvg3
  0 "None"
  1 "Less than 5 portions"
  2 "5 portions or more".
exe.
```

frtpor2 (D) Portions of fruit (excl. fruit juice)
frtany (D) Any fruit (excl. fruit juice)
vegany (D) Any veg (incl salad)

```
* any fruit.


compute frtpor2=porfrt+pordry+porfroz+porfdish.
VARIABLE LABELS  frtpor2 "(D) Portions of fruit (excl. fruit juice)" .

compute frtany=0.
if frtpor2 gt 0 frtany=1.
VARIABLE LABELS  frtany "(D) Any fruit (excl. fruit  juice)" .
VALUE LABELS frtany
  0 "No"
  1 "Yes".
exe.

compute vegany=0.
if vegpor gt 0 vegany=1.
VARIABLE LABELS  vegany "(D) Any veg (incl salad)" .
VALUE LABELS vegany
  0 "No"
  1 "Yes".
exe.

** missing values.
```

```
missing values VegSal VegPul VegVeg VegDish frtdrnk frt frtdry frtfroz frtdish ().
count nofvg=VegSal VegPul VegVeg VegDish frtdrnk frt frtdry frtfroz frtdish (-9, -8, -1).
fre nofvg.

do if nofvg=9.
do repeat xxx=porpul to vegany.
compute xxx=-9.
```

porfrt2 (D) Whether ate any all sized fruit
porveg2 (D) Whether ate any veg (not salad)
porjuic2 (D) Whether had any fruit juice
porpul2 (D) Whether had any pulses
porsal2 (D) Whether had any salad
porfroz2 (D) Whether had any frozen or tinned fruit
porvdis2 (D) Whether had any veg in composites
porfdis2 (D) Whether had any fruit in composites
pordry2 (D) Whether had any dried fruit
vegpor2 (D) Whether had any veg incl salad
frtpor3 (D) Whether had any fruit incl fruit juice

```
* fruit & veg summary variables.
****ADDITIONAL FRUIT & VEG DVs REQUIRED FOR TABLES****

**To binary variables indicating whether or not respondent had eaten a particular type of fruit or veg.

Recode porfrt (0 = 0) (0.0001 thru hi = 1) (else = copy) into porfrt2.
var labs porfrt2 '(D) Whether ate any all sized fruit'.
val labs porfrt2
0 'No'
1 'Yes'.
Missing values porfrt2 (-1, -9).

fre porfrt porfrt2.

TEMPORARY.
select if porfrt2=-2.
freq age.

Recode porveg (0 = 0) (0.0001 thru hi = 1) (else = copy) into porveg2.
var labs porveg2 '(D) Whether ate any veg (not salad)'.
val labs porveg2
0 'No'
1 'Yes'.
Missing values porveg2(-1, -9).

fre porveg porveg2.


Recode porjuice (0 = 0) (0.0001 thru hi = 1) (else = copy) into porjuic2.
var labs porjuic2 '(D) Whether had any fruit juice'.
val labs porjuic2
0 'No'
1 'Yes'.
```

```
Missing values porjuic2(-1, -9).

fre porjuice porjuic2.


Recode porpul (0 = 0) (0.0001 thru hi = 1) (else = copy) into porpul2.
var labs porpul2 '(D) Whether had any pulses'.
val labs porpul2
0 'No'
1 'Yes'.
Missing values porpul2(-1, -9).

fre porpul porpul2.


Recode porsal (0 = 0) (0.0001 thru hi = 1) (else = copy) into porsal2.
var labs porsal2 '(D) Whether had any salad'.
val labs porsal2
0 'No'
1 'Yes'.
Missing values porsal2(-1, -9).

fre porsal porsal2.


Recode porfroz (0 = 0) (0.0001 thru hi = 1) (else = copy) into porfroz2.
var labs porfroz2 '(D) Whether had any frozen or tinned fruit'.
val labs porfroz2
0 'No'
1 'Yes'.
Missing values porfroz2 (-1, -9).

fre porfroz porfroz2.


Recode porvdish (0 = 0) (0.0001 thru hi = 1) (else = copy) into porvdis2.
var labs porvdis2 '(D) Whether had any veg in composites'.
val labs porvdis2
0 'No'
1 'Yes'.
Missing values porvdis2 (-1, -9).

fre porvdish porvdis2.

Recode porfdish (0 = 0) (0.0001 thru hi = 1) (else = copy) into porfdis2.
var labs porfdis2 '(D) Whether had any fruit in composites'.
val labs porfdis2
0 'No'
1 'Yes'.
Missing values porfdis2 (-1, -9).

fre porfdish porfdis2.


Recode pordry (0 = 0) (0.0001 thru hi = 1) (else = copy) into pordry2.
var labs pordry2 '(D) Whether had any dried fruit'.
```

```
val labs pordry2
0 'No'
1 'Yes'.
Missing values pordry2 (-1, -9).

fre pordry pordry2.

Recode vegpor (0 = 0) (0.0001 thru hi = 1) (else = copy) into vegpor2.
var labs vegpor2 '(D) Whether had any veg incl salad'.
val labs vegpor2
0 'No'
1 'Yes'.
Missing values vegpor2 (-1, -9).

fre vegpor vegpor2.


Recode frtpor (0 = 0) (0.0001 thru hi = 1) (else = copy) into frtpor3.
var labs frtpor3 '(D) Whether had any fruit incl fruit juice'.
val labs frtpor3
0 'No'
1 'Yes'.
Missing values frtpor3 (-1, -9).

freq  frtpor  frtpor3.
```

SMOKING

cigst1 (D) Cigarette Smoking Status - Never/Ex-reg/Ex-occ/Current
cigst2 (D) Cigarette Smoking Status - Banded current smokers
cigdyal (D) Number of cigarettes smoke a day - inc. non-smokers
cigst3 (D) Cigarette smoking status - 3 categories
rcigst1 (D) Cigarette Smoking Status - Never &Ex-occ/Ex-reg/Current
psmkhm (D) Ever exposed to passive smoke in own or others home
psmkpp (D) Exposed to smoke in public place
whensadv (D) When advice given - includes received no advice
longstop (D) How long since stopped smoking - grouped
whstop (D) Length of time since stopped regular smoking

```
** cigdyal.

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 ANY(-6,cigwday,cigwend) cigdyal=-6.
IF ANY(-1,cigwday,cigwend) cigdyal=-1.
IF age<16 cigdyal=-1.
RECODE cignow(-9,-8=COPY)(2=0) INTO cigdyal.
RECODE smkevr(-9,-8=COPY)(2=0) INTO cigdyal.
VARIABLE LABELS cigdyal "(D) Number of cigarettes smoke a day - inc. non-smokers".
execute.
fre  cigdyal.
```

```
** overall cig smoking status.


IF any(2,cigevr,smkevr) cigst1=1.
RECODE cigregs (3=1)(2=2)(1=3)(-6=-6) INTO cigst1.
IF cignow=1 cigst1=4.
IF ANY(-9,smkevr,cignow,cigevr,cigregs) cigst1=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigregs) cigst1=-8.
IF age<16 cigst1=-2.
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".
execute.
fre cigst1.
.

** current cigarette smokers status.

RECODE cigdyal (-8=4)(20 thru hi=3)(10 thru 20=2)(0 thru 10=1)(-1=-1)(-9=-9) INTO cigst2.
RECODE cignow (-9=-9)(-8=-8)(2=5) INTO cigst2.
RECODE smkevr (-9=-9)(-8=-8)(2=5) INTO cigst2.
IF smkevr=-1 and iout=210 cigst2=-1.
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".
execute.
* missing values cigst2 (-1, -8, -9).
fre cigst2 .



*** NEW DVs FOR 2008 REPORT.

RECODE cigst1 (4=1)(2,3=2)(1=3) (ELSE=COPY) INTO cigst3.
VARIABLE LABEL cigst3 "(D) Cigarette smoking status - 3 categories".
VALUE LABELS cigst3
 1"Current cigarette smoker"
 2 "Ex-smoker"
 3"Never smoked".

cro cigst3 by cigst1.

**To recode 'cigst1' in order to collapse the first two categories

Recode cigst1 (1=copy) (2=1) (3=2) (4=3) (else = copy) into rcigst1.
var labs rcigst1 '(D) Cigarette Smoking Status - Never &Ex-occ/Ex-reg/Current'.
val labs rcigst1
1  'Never smoked or used to smoke cigarettes occasionally'
```

```
2  'Used to smoke cigarettes regularly'
3  'Current cigarette smoker'.
Missing values rcigst1 (-1, -2, -9).
exe.

missing values passmk1 to passmk6 ().

cro  passmk1 by passmk3.


recode passmk1 (1=1)(else=copy) into psmkhm.
If (passmk3 = 1) psmkhm = 1.
var labs psmkhm '(D) Ever exposed to passive smoke in own or others home'.
val labs psmkhm
0 "Never exposed"
1 "Exposed"
-1"Item not applicable"
-2 "Schedule not applicable"
-6 "Schedule not obtained"
-8 "Don't know"
-9 "Refused".
Missing values psmkhm (lo thru -1).


recode passmk4 (1=1) (else=copy) into psmkpp.
If (passmk5 = 1 or passmk6 = 1) psmkpp = 1.
var labs psmkpp '(D) Ever exposed to passive smoke in any public place'.
val labs psmkpp
0 'Never exposed'
1 'Exposed'.
Missing values psmkpp (-1).
0 "Never exposed"
1 "Exposed"
-1"Item not applicable"
-2 "Schedule not applicable"
-6 "Schedule not obtained"
-8 "Don't know"
-9 "Refused".
Missing values psmkpp (lo thru -1).

* when advice given - including 'no advice received'.

missing values drsmoke1 drsmoke ().
compute whensadv = drsmoke1.
RECODE drsmoke (2=3) (-8,-1=COPY) INTO whensadv.
VARIABLE LABEL whensadv  "(D) When advice given - includes received no advice".
VALUE LABELS whensadv
 1 "In last 12 months"
 2"Over 12 months ago"
 3 "No advice received".
exe.

cro whensadv by drsmoke1.

missing values drsmoke1 drsmoke whensadv (lo thru -1).
```

```
* how long since stopped smoking.

RECODE endsmoke (1=3)(2 thru 4=4)(5 thru 9=5)(10 thru 19=6)(20 thru hi=7) (else=copy) into
longstop.
if (longend=1)longstop=1.
if (longend=2)longstop=2.
VARIABLE LABEL longstop  "(D) How long since stopped smoking - grouped".
VALUE LABELS longstop
 1 "In past 6 months"
 2 "6 month<1 year"
 3 "1<2 years"
4 "2<5 years"
5 "5<10 years"
6 "10<20 years"
7 "20 or more years".
exe.
```

DRINKING

ADULTS GENERAL

cagetot (D) CAGE: Number of drinking problems experienced
probdrnk (D) CAGE: Problem Drinker
probdrk2 (D) CAGE: Problem Drinker
phys (D) CAGE: Number of physical dependency problems experienced
phys2 (D) CAGE: 1 or more physical dependency problems
cage2pr (D) CAGE Banded
drunken (D) Drunkenness in last 3 months
drunkt (D) Drunk at least once a week in last 3 months

```
************************************************.
*
*  Other alcohol derived variables
************************************************.

missing values DCUT DGUILT DCRITIC DSHAKES DNERVES DUNABLE ().

** CAGETOT.

COUNT cagetot= DCUT to DUNABLE (1).
IF (ANY(-9,dcut,dguilt,dcritic,dshakes,dnerves,dunable)) cagetot=-9.
IF (ANY(-8,dcut,dguilt,dcritic,dshakes,dnerves,dunable)) cagetot=-8.
IF (ANY(-1,dcut,dguilt,dcritic,dshakes,dnerves,dunable)) cagetot=-1.
IF (ANY(-6,dcut,dguilt,dcritic,dshakes,dnerves,dunable)) cagetot=-6.
IF age lt 16 cagetot=-2.
VARIABLE LABEL cagetot "(D) CAGE: Number of drinking problems experienced".
VALUE LABELS cagetot -1 "Item not applicable"
-2 "Schedule not applicable"
-6 "Schedule not obtained"
-8 "Don't know"
-9 "Refused".
```

```
** probdrnk.


RECODE cagetot (2 thru 6=1)(0 thru 2=0)(ELSE=COPY) INTO probdrnk.
VARIABLE LABEL probdrnk "(D) CAGE: Problem Drinker".
VALUE LABELS probdrnk
   0 'Current drinker, but not problem drinker'
   1 'Problem drinker (2 or more indicators)'
-1 "Item not applicable"
-2 "Schedule not applicable"
-6 "Schedule not obtained"
-8 "Don't know"
-9 "Refused".

exe.

** PHYS.

COUNT phys = dunable dnerves dshakes (1).
IF (ANY(-8,dunable,dnerves,dshakes)) phys=-8.
IF (ANY(-9,dunable,dnerves,dshakes)) phys=-9.
if age le 15 phys=-2.
VARIABLE LABEL phys "(D) CAGE: Number of physical dependency problems experienced".
exe.
VALUE LABELS phys  -1 "Item not applicable"
                   -2 "Schedule not applicable"
                   -6 "Schedule not obtained"
                   -8 "Don't know"
                   -9 "Refused".


RECODE phys (1 thru hi=1)(0=0)(else=copy) INTO phys2.
VARIABLE LABEL phys2 "(D) CAGE: 1 or more physical dependency problems".
VALUE LABELS phys2 0"No physical delendance problems"
                    1 "One or more physical dependency problem"
                   -1 "Item not applicable"
                   -2 "Schedule not applicable"
                   -6 "Schedule not obtained"
                   -8 "Don't know"
                   -9 "Refused".
.

missing values DCUT DGUILT DCRITIC DSHAKES DNERVES DUNABLE cagetot probdrnk
phys phys2 (lo thru -1).


**To create a variable which indicates whether respondent has two or more problem drinking
indicators

missing values cagetot ().

recode cagetot (0 thru 1 = copy) (2 thru hi = 2) (else = copy) into cage2pr.
var labs cage2pr '(D) CAGE Banded '.
val labs cage2pr
0 "No problems"
```

```
1 "One"
2 "2 or more"
-1 "Item not applicable"
-2 "Schedule not applicable"
-6 "Schedule not obtained"
-8 "Don't know"
-9 "Refused".

missing values cagetot cage2pr (lo thru -1).


** probdrnk with non-drinkers as a category and missings tidied.

missing values cagetot typesc ().


RECODE cagetot (2 thru 6=1)(0 thru 2=0)(ELSE=COPY) INTO probdrk2.
* self-completion not returned.
IF (typesc=-1) probdrk2=-6.
* children.
IF (age lt 16) probdrk2=-2.
* definite non-drinkers.
IF (dnnow = 2 AND dnany = 2) probdrk2=2.
* not enough information to say whether respondent drinks.
RECODE dnnow (-8,-9=-8) into probdrk2.
RECODE dnany (-8,-9=-8) into probdrk2.
IF (dnnow = -1 AND dnany = -1) probdrk2=-8.
* labels.
VARIABLE LABEL probdrk2 "(D) CAGE: Problem Drinker".
VALUE LABELS probdrk2
   0 'Current drinker, but not problem drinker'
   1 'Problem drinker (2 or more indicators)'
   2 'Non-drinker'
  -8 'dk whether drinks'
  -6 'drinker but self-completion not returned'
 -2 'schedule not applicable - under 16'
 -9 'not answered'.


Missing values cagetot typesc probdrk2 (lo thru -1).

missing values drunk1 drunk2 dtimes dnnow dnany dnoft  dtimes  ().

* drunk1 is drunk at least once a week in last 3 weeks (yes/no)
* drunk2 is drunk slightly (Or very) drunk in the last 3 months (yes/no)
* dtimes is number of times drunk in last 3 months (if drunk2=yes).

freq drunk1 drunk2.

missing values drunk1 drunk2 dtimes dnnow dnany dnoft  dtimes ().

** DRUNKEN.
compute drunken=-1.
IF (drunk1=1) drunken=1.
RECODE dtimes (4=2) (3=3) (2=4) (1=5) INTO drunken.
IF (drunk2=2) drunken=6.
```

```
IF ANY(dnoft,7,8) drunken=7.
IF dnany=2 drunken=8.
IF ANY(-9,dnnow,dnany,dnoft,drunk1, drunk2, dtimes ) drunken=-9.
IF ANY(-8,dnnow,dnany,dnoft,drunk1,drunk2,dtimes ) drunken=-8.
IF AGE lt 16 drunken=-2.
VARIABLE LABEL drunken "(D) Drunkenness in last 3 months".
VALUE LABELS drunken
   1 'Been drunk at least once a week in last 3 weeks'
   2 'Been drunk 4+ times in last 3 months'
   3 'Been drunk 3 times in last 3 months'
   4 'Been drunk twice in last 3 months'
   5 'Been drunk once in last 3 months'
   6 'Not been drunk in last 3 months'
   7 'Drinks less than once every 2 months'
   8 'Never drinks'
-1 "Item not applicable"
-2 "Schedule not applicable"
-6 "Schedule not obtained"
-8 "Don't know"
-9 "Refused".

exe.

cro drunken by drunk1 drunk2 .

* dvs for table.
* for current drinker.

RECODE drunken (6,7=2)(1 thru 5=1)( 8=-1)(else=copy)into drunkt.
VARIABLE LABEL drunkt "(D) Drunk at least once a week in last 3 months".
VALUE LABELS drunkt 1"Yes"
                    2 "No".
exe.


cro drunkt by drunken.

missing values dnnow dnany dnoft drunk1 drunk2 dtimes drunkt (lo thru -1).
```

ADULTS 12 MONTHS

nberwu (D) Units of normal beer/week
sberwu (D) Units of strong beer/week
spirwu (D) Units of spirits/week
sherwu (D) Units of sherry/week
winewu (D) Units of wine/week
popswu (D) Units of alcopops/week
drating (D) Total Units of alcohol/week
alcbase (D) Alcohol consumption rating units/week
alcbsmt (D) Alcohol consumption: men
alcbswt (D) Alcohol consumption: women
alcbsmt2 (D) Alcohol consumption:men ver2
alcbswt2 (D) Alcohol consumption:women ver2
overlim (D) Drinking in relation to weekly limits (includes non-drinkers)
drnkoft1 (D) Frequency of drinking alcohol (ALL 16+)
drkcat (D) weekly drinking category
drkcat_200 (D) weekly drinking category - excluding all over 200

```
*** weekly units.

RECODE nberf (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xnber.
RECODE sberf (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xsber.
RECODE spirf (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xspir.
RECODE sherf (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xsher.
RECODE winef (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xwine.
RECODE popsf (1=7)(2=5.5)(3=3.5)(4=1.5)(5=0.375)(6=0.115)(7=0.029)(ELSE=0)
  INTO xpops.
exe.

** calculate weekly units of alcohol for each drink type.
* starts off each type by setting to 0 for all respondents
* missings accounted for at the end.

* conversion for named bottled beers.

COMPUTE norbot=ncodeeq*2.5.
COMPUTE strbot=scodeeq*4.
exe.

* normal beer.

COMPUTE nberwu=0.
if (nberqhp > 0) nberwu=nberwu+(xnber*nberqhp).
if (nberqsm > 0) nberwu=nberwu+(xnber*nberqsm*1.5).
if (nberqlg > 0) nberwu=nberwu+(xnber*nberqlg*2).
if (nberqbt > 0) nberwu=nberwu+(xnber*nberqbt*norbot).

exe.
```

```
* strong beer.

COMPUTE sberwu=0.
if (sberqhp > 0) sberwu=sberwu+(xsber*sberqhp*2).
if (sberqsm > 0) sberwu=sberwu+(xsber*sberqsm*2).
if (sberqlg > 0) sberwu=sberwu+(xsber*sberqlg*3).
if (sberqbt > 0) sberwu=sberwu+(xsber*sberqbt*strbot).
exe.

* spirits - no new conversion factor.

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

* sherry etc - no new conversion factor.

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


* wine - 3 glass sizes + bottles (as 125ml glasses).

COMPUTE winewu=0.
if (win125g>0) winewu=winewu+(xwine*win125g*1.5).
if (win175g>0) winewu=winewu+(xwine*win175g*2).
if (win250g>0) winewu=winewu+(xwine*win250g*3).
if (win125b>0) winewu=winewu+(xwine*win125b*1.5).
exe.


* alcopops - now 2 sizes of bottle with differeent conversion factors.

COMPUTE popswu=0.
if (popsqsc>0)popswu=popswu+(xpops*popsqsc*1.5).
if (popsqsb>0)popswu=popswu+(xpops*popsqsb*1.5).
if (popsqlb>0)popswu=popswu+(xpops*popsqlb*3.5).
exe.


* set to missings if dnnow OR dnany missing.

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

DO IF dnnow=-8 | dnany=-8.
DO REPEAT xmiss=nberwu sberwu spirwu sherwu winewu popswu.
COMPUTE xmiss=-8.
END REPEAT.
END IF.
```

```
exe.



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

IF ANY (-9,nberf,nberqhp,nberqbt,nberqsm,nberqlg) nberwu=-9.
IF ANY(-8,nberf,nberqhp,nberqbt,nberqsm,nberqlg) nberwu=-8.
IF ANY(-9,sberf,sberqhp,sberqbt,sberqsm,sberqlg) sberwu=-9.
IF ANY(-8,sberf,sberqhp,sberqbt,sberqsm,sberqlg) sberwu=-8.
IF ANY(-9,spirf,spirqme) spirwu=-9.
IF ANY(-8,spirf,spirqme) spirwu=-8.
IF ANY(-9,sherf,sherqgs) sherwu=-9.
IF ANY(-8,sherf,sherqgs) sherwu=-8.
IF ANY(-9,winef,win250g,win175g,win125g,win125b) winewu=-9.
IF ANY(-8,winef,win250g,win175g,win125g,win125b) winewu=-8.
IF ANY(-9,popsf,popsqsc,popsqsb,popsqlb)popswu=-9.
IF ANY(-8,popsf,popsqsc,popsqsb,popsqlb) popswu=-8.
exe.


* set to not applicable for under 16s.

DO IF age<16.
DO REPEAT xmiss=nberwu sberwu spirwu sherwu winewu popswu.
COMPUTE xmiss=-2.
END REPEAT.
END IF.
exe.


VARIABLE LABELS
   nberwu "(D) Units of normal beer/week"
   sberwu "(D) Units of strong beer/week"
   spirwu "(D) Units of spirits/week"
   sherwu "(D) Units of sherry/week"
   winewu "(D) Units of wine/week"
   popswu "(D) Units of alcopops/week".


exe.

f** DRATING - total alcohol units.

COMPUTE drating=0.
IF (nberwu>0) drating=drating+nberwu.
IF (sberwu>0) drating=drating+sberwu.
IF (spirwu>0) drating=drating+spirwu.
IF (sherwu>0) drating=drating+sherwu.
IF (winewu>0) drating=drating+winewu.
IF (popswu>0) drating=drating+popswu.
IF ANY(-9,nberwu,sberwu,spirwu,sherwu,winewu,popswu) drating=-9.
IF ANY(-8,nberwu,sberwu,spirwu,sherwu,winewu,popswu) drating=-8.
IF ANY(-1,nberwu,sberwu,spirwu,sherwu,winewu,popswu) drating=-1.
IF age lt 16 drating=-2.
VARIABLE LABEL drating "(D) Total Units of alcohol/week".
```

```
* note: drating of 0 includes people who drank occasionally but had not drunk in the last 12
months.

RECODE drating (0=3) (0 thru 0.5=4)(0.5 thru 7=5) (7 thru 10=6) (10 thru 14=7) (14 thru 21=8)
 (21 thru 28=9)( 28 thru 35=9) (35 thru 50=11)(50 thru hi=12).
INTO alcbase.
exe.
RECODE dnevr(1=1)(2=2) INTO alcbase.
IF ANY(-9,drating,dnnow,dnany,dnevr) alcbase=-9.
IF ANY(-8,drating,dnnow,dnany,dnevr) alcbase=-8.
IF ANY(-1,drating,dnnow) alcbase=-1.
IF age lt 16 alcbase=-2.
VARIABLE LABELS alcbase "(D) Alcohol consumption rating units/week".
VALUE LABELS alcbase
  1 "Never drank"
  2 "Ex-drinker"
  3 "Trivial drinker"
  4 "Non-zero, but under 1"
  5 "1-7"
  6 "Over 7-10"
  7 "Over 10-14"
  8 "Over 14-21"
  9 "Over 21-28"
  10 "Over 28-35"
  11 "Over 35-50"
  12 "Over 50".


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

```
  5 'Over 7-14'
  6 'Over 14-21'
  7 "Over 21-35"
  8 'Over 35'.

f** OVERLIM.
RECODE drating (-9=COPY)(-8=COPY)(-1=COPY)(0 thru hi=0) INTO overlim.
IF sex=1 & drating gt 21 overlim=1.
IF sex=2 & drating gt 14 overlim=1.
VARIABLE LABELS overlim "(D) Drinking in relation to weekly limits (includes non-drinkers)".
VALUE LABELS overlim
 0 "From 0 up to and including weekly limit M21,F14"
 1 "Over weekly limits: M21,F14".

freq overlim.

* table variable for 2008 web tables - frequency of drinking - to include non drinkers.

missing values drnkoft ().

compute drnkoft1=drnkoft.

IF (dnnow=2 and dnany=2) drnkoft1=9.
IF age lt 16 drnkoft1=-2.

VAR LABEL drnkoft1 "(D) Frequency of drinking alcohol (ALL 16+)".
VALUE LABELS drnkoft1
1  'almost every day'
2  '5 or 6 days a week'
3  '3 or 4 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 in last 12 months'
8  'not at all in last 12 months'
9 'does not drink'.

*******************************************************************************.
*
*  New moderate/hazardous/harmful drinking DV for report table 3.5:
*
* men
* up to and including 21 = moderate
* over 21 up to and including 50=hazardous
* over 50 = harmful

* women
* up to and including 14=moderate
* over 14 up to and including 35=hazardous
* over 35=harmful



missing values drating dnnow dnany ().
```

```
* men.
DO IF sex=1.
if (drating le 21) drkcat=2.
if (drating gt 21 and drating le 50) drkcat=3.
if (drating gt 50) drkcat=4.
END IF.

* women.
DO IF sex=2.
if (drating le 14) drkcat=2.
if (drating gt 14 and drating le 35) drkcat=3.
if (drating gt 35) drkcat=4.
END IF.

* non-drinkers.

IF (dnnow=2 and dnany=2) drkcat=1.

* copy missings over.

RECODE drating (lo thru -1=copy) into drkcat.

* missing for children.

if age lt 16 drkcat=-2.

missing values drating dnnow dnany drkcat (lo thru -1).


var labels drkcat "(D) weekly drinking category".
value labels drkcat 1'Non-drinker'
                    2"moderate (men up to and including 21 /women up to and including 14)"
                    3"hazardous (men over 21 up to and including 50/women over 14 up to and
including 35)"
                    4"harmful (men over 50/ women over 35)".

**** drkcat_200.
* creating a version with 'outliers left out' - for report tables.

missing values drkcat drkcat_200 ().

compute drkcat_200=drkcat.
if drating gt 200 drkcat_200=-5.
var labels drkcat_200 "(D) weekly drinking category - excluding all over 200".
value labels drkcat_200 1'Non-drinker'
                    2"moderate (men up to and including 21 /women up to and including 14)"
                    3"hazardous (men over 21 up to and including 50/women over 14 up to and
including 35)"
                    4"harmful (men over 50/ women over 35 - excluding all men/women above
200)".


missing values drkcat drkcat_200 (lo thru -1).
```

ADULTS LAST 7 DAYS

d7ut08 (D) Units drunk on heaviest day in last 7
d7ut08g (D) ADJUSTED FOR WINE BEER AND ALCOPOPS - units drunk on heaviest day in last 7 (grouped)
d7ut08_2 (D) Units drunk on heaviest day (ALL 16+)
d7ut08g_2 (D) units drunk on heaviest day in last 7 (grouped) ALL 16+
dlimtm4 (D) Heaviest day - over daily limit - men - More than 4 units
dlimtw3 (D) Heaviest day - over daily limit - women - More than 3 units
dlimtw6 (D) Heaviest day - over daily limit - women - More than 6 units
dlimtw8 (D) Heaviest day - over daily limit - men - More than 8 units
dlimt4v2 (D) Heaviest day - over daily limit - men - More than 4 units - ALL 16+
dlimt3v2 (D) Heaviest day - over daily limit - women - More than 3 units - ALL 16+
dlimt6v2 (D) Heaviest day - over daily limit - women - More than 6 units - ALL 16+
dlimt8v2 (D) Heaviest day - over daily limit - men - More than 8 units - ALL 16+
drevunit3 (D) Units drunk on heaviest day (ALL 16+)
drevutg3 (D) units drunk on heaviest day in last 7 (ALL 16+ grouped) including non-drinkers

```
************************************************************.
*** syntax for heaviest day drinking DVs     **.
************************************************ ********.
missing values all ().

* bottled beers - pint equivalents.

COMPUTE norbot=L7NCodEq*2.5.
IF L7NCodEq lt 0 norbot=0.
exe.
COMPUTE strbot=L7SCodEq*4.
IF L7SCodEq lt 0 strbot=0.
exe.

** total units consumed on heaviest drinking day.

COMPUTE d7ut08=0.
exe.

*normal strength beer.

IF (nberqhp7>0) d7ut08=d7ut08+nberqhp7.
IF (nberqsm7>0) d7ut08=d7ut08+(nberqsm7*1.5).
IF (nberqlg7>0) d7ut08=d7ut08+(nberqlg7*2).
IF (nberqbt7>0) d7ut08=d7ut08+(nberqbt7*norbot).
exe.

*strong beer.
IF (sberqhp7>0) d7ut08=d7ut08+(sberqhp7*2).
IF (sberqsm7>0) d7ut08=d7ut08+(sberqsm7*2).
IF (sberqlg7>0) d7ut08=d7ut08+(sberqlg7*3).
IF (sberqbt7>0) d7ut08=d7ut08+(sberqbt7*strbot).
exe.

*spirits, sherry - no change.
IF (spirqme7>0) d7ut08=d7ut08+spirqme7.
IF (sherqgs7>0) d7ut08=d7ut08+sherqgs7.
```

```
exe.

*wine, 3 glass sizes.
if (w125gl7>0) d7ut08=d7ut08+(w125gl7*1.5).
if (w175gl7>0) d7ut08=d7ut08+(w175gl7*2).
if (w250gl7>0) d7ut08=d7ut08+(w250gl7*3).
if (w125bl7>0) d7ut08=d7ut08+(w125bl7*1.5).
exe.

*alcopops, 3 bottle/can sizes.

IF (popscl7>0) d7ut08=d7ut08+(popscl7*1.5).
IF (popsbl7>0) d7ut08=d7ut08+(popsbl7*1.5).
IF (poplbl7>0) d7ut08=d7ut08+(poplbl7*3.5).
exe.

* setting missings for total units if ANY individual drink types are missing.

IF ANY(-9,nberqhp7,nberqsm7,nberqlg7, nberqbt7, sberqhp7,sberqsm7,
sberqlg7, sberqbt7, spirqme7,sherqgs7,w125gl7,w175gl7,w250gl7,w125bl7,
popscl7,popsbl7,poplbl7) d7ut08=-9.
exe.
IF ANY(-8,nberqhp7,nberqsm7,nberqlg7, nberqbt7, sberqhp7,sberqsm7,
sberqlg7, sberqbt7, spirqme7,sherqgs7,w125gl7,w175gl7,w250gl7,w125bl7,
popscl7,popsbl7,poplbl7) d7ut08=-8.
exe.

fre d7ut08.

* bases for the alcohol report tables are 'Age 16 and over who drank alcohol in past week';.
* so more not applicables have to be set based on response to d7day.

IF d7day=2 d7ut08=-1.
IF d7day=-1 d7ut08=-1.
IF d7day=-9 d7ut08=-9.
IF d7day=-8 d7ut08=-8.
exe.


* if not age 16+ set to scehule not applicable.

IF age lt 16 d7ut08=-2.
exe.

fre d7ut08.

cro d7ut08 by d7day.

VARIABLE LABEL d7ut08 "(D) Units drunk on heaviest day in last 7".
exe.


recode d7ut08 (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 d7ut08g.
variable label d7ut08g "(D) ADJUSTED FOR WINE BEER AND ALCOPOPS - units drunk on
heaviest day in last 7 (grouped)".
```

```
value labels d7ut08g
 1 "Up to and including 2"
 2 "Over 2 and up to (& including) 3"
 3 "Over 3 and up to (& including) 4"
 4 "Over 4 and up to (& including) 5"
 5 "Over 5 and up to (& including) 6"
 6 "Over 6 and up to (& including) 8"
 7 "Over 8".
exe.

f

**To create a recode of banded alcohol consumption on HEAVIEST DRINKING DAY amongst
men & women - d7ut08g

Recode d7ut08g (1 thru 3 = 1) (4 thru 8 =2) (else=copy) into dlimtm4.
var labs dlimtm4 '(D) Heaviest day - over daily limit - men - More than 4 units'.
val labs dlimtm4
1 '0-4 units'
2 'Over 4 units'.
Missing values dlimtm4 (-1, -8, -9).
exe.

cro d7ut08g by dlimtm4.

Recode d7ut08g (1 thru 2 = 1) (3 thru 8 =2) (else=copy) into dlimtw3.
var labs dlimtw3 '(D) Heaviest day - over daily limit - women - More than 3 units'.
val labs dlimtw3
1 '0-3 units'
2 'Over 3 units'.
Missing values dlimtw3 (-1, -8, -9).
exe.

cro d7ut08g by dlimtw3.

Recode d7ut08g (1 thru 5 = 1) (6 thru 8 =2) (else=copy) into dlimtw6.
var labs dlimtw6 '(D) Heaviest day - over daily limit - women - More than 6 units'.
val labs dlimtw6
1 '0-6 units'
2 'More than 6 units'.
Missing values dlimtw6 (-1, -8, -9).
exe.

cro d7ut08g by dlimtw6.

Recode d7ut08g (1 thru 6 = 1) (7 =2) (else=copy) into dlimtm8.
var labs dlimtm8 '(D) Heaviest day - over daily limit - men - More than 8 units'.
val labs dlimtm8
1 '0-8 units''
2 'More than 8 units'.
Missing values dlimtm8 (-1, -8, -9).
exe.

** To create the same DVs with the base of all adults for d7ut08 and d7ut08g
** The variables are quite heavily filtered (by dnnow dnany dnoft d7day).
** To get correct base of 'all 16+' the cases have to be included as having had 'zero' units in the
```

```
last 7 days. Thus:
** - Those who have not drank in last 7 days are coded as '0'.
** - Those who do not drink nowadays are coded as '0'.
** - Those who do not drink nowadays (but drink occassionally) and who said they had drank in
the last 7 days are reset to = d7ut08
** - Those who do drink nowadays, but who have not drank in the last year are set to zero (these
cases were filtered past d7day).
** The -8s and -9s are kept as they are, remaining -1s are partial cases

** revised in 2008 report tables dataset for final 2008 report tables.
** so that a separate row could be shown for all who did not drink in last week.

missing values d7ut08  ().
freq d7ut08.
fre d7ut08_2 .

compute d7ut08_2=d7ut08.
If d7day=2 d7ut08_2 = 0.
If dnnow = 2 d7ut08_2  = 0.
If dnnow = 2 and d7day = 1 d7ut08_2 =d7ut08.
If dnnow = 1 and dnoft = 8 d7ut08_2 = 0.
variable label d7ut08_2 "(D) Units drunk on heaviest day (ALL 16+)".

fre d7ut08_2.

recode d7ut08_2 (0=0)(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 d7ut08g_2.
variable label d7ut08g_2 "(D) Units drunk on heaviest day in last 7 (ALL 16+ grouped)".
value labels d7ut08g_2
  0 "Did not drink in last week"
 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"
-1 "Item not applicable"
-2 "Schedule not applicable"
-9 "Refused"
-8 "Don't know".
exe.

fre d7ut08g_2.
missing values d7ut08g_2 dmint4v2 ().
cro d7ut08g_2 by dlimt4v2.


** The base for this variable is 6380 - 5 more than the weekly drinking variable.  Note that it will
not be possible to
** completely align these two summary variables as they are based on different sets of
constituent variables all of
** which have different response patterns (i.e. someone may not have completed all the weekly
drinking information
** correctly but may have supplied all of the daily drinking info - they will therefore have a daily
```

```
drinking summary but
** not a weekly drinking summary.

Recode d7ut08g_2  (1 thru 3 = 0) (4 thru 8 =1) (else=copy) into dlimt4v2.
var labs dlimt4v2 '(D) Heaviest day - over daily limit - men - More than 4 units - ALL 16+'.
val labs dlimt4v2
0 '4 or less units'
1 'Over 4 units'.
If sex = 2 dlimt4v2 = -1.
exe.

Recode d7ut08g_2  (0 thru 2 = 0) (3 thru 8 =1) (else=copy) into dlimt3v2.
var labs dlimt3v2 '(D) Heaviest day - over daily limit - women - More than 3 units - ALL 16+'.
val labs dlimt3v2
0 '3 or less units'
1 'Over 3 units'.
If sex = 1 dlimt3v2 = -1.
exe.

Recode d7ut08g_2 (0 thru 5 = 0) (6 thru 8 =1) (else=copy) into dlimt6v2 .
var labs dlimt6v2  '(D) Heaviest day - over daily limit - women - More than 6 units - ALL 16+'.
val labs dlimt6v2
0 '6 or less units'
1 'More than 6 units'.
If sex = 1 dlimt6v2 = -1.
exe.

Recode d7ut08g_2  (0 thru 6 = 0) (7 =1) (else=copy) into dlimt8v2.
var labs dlimt8v2 '(D) Heaviest day - over daily limit - men - More than 8 units - ALL 16+'.
val labs dlimt8v2
0 '8 or less units'
1 'Over 8 units'.
If sex = 2 dlimt8v2 = -1.
exe.

Missing values all (lo thru -1).

** revised in 2008 report tables dataset for final 2008 report tables.
** SG requested that a separate row be shown for all who did not drink in last week.

missing values drevunit drevunit2 ().

compute drevunit3=drevunit.
If d7day=2 drevunit3=0.
If dnnow = 2 drevunit3 = 0.
If dnnow = 2 and d7day = 1 drevunit3=drevunit.
If dnnow = 1 and dnoft = 8 drevunit3 = 0.
variable label drevunit3 "(D) Units drunk on heaviest day (ALL 16+)".

recode drevunit3 (0=0)(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 drevutg3.
variable label drevutg3 "(D)  units drunk on heaviest day in last 7 (ALL 16+ grouped) including
non-drinkers".
value labels drevutg3
  0 "Did not drink in last week"
 1 "Up to and including 2"
```

```
 2 "Over 2 and up to (& including) 3"
 3 "Over 3 and up to (& including) 4"
 4 "Over 4 and up to (& including) 5"
 5 "Over 5 and up to (& including) 6"
 6 "Over 6 and up to (& including) 8"
 7 "Over 8".
exe.
```

Multiple risk factors

mrfcig (D) Binary cig smoking var for multiple risk factor analysis
mrfalc (D) Binary alcohol consumption var for multiple risk factor analysis (weekly/daily drinking)
mrfdiet (D) Binary fruit/veg consumption var for multiple risk factor analysis
mrfphys (D) Binary physical activty var for multiple risk factor analysis
mrfbmi (D) Binary BMI var for multiple risk factor analysis
mrfmis (D) Number of missing data items across 5 risk factors
multrisk (D) Number of multiple risk factors (0-5)

```
***Cigarette smoking.
miss vals cigst3 ().
 recode cigst3 (1=1) (2,3=0) (else=copy) into mrfcig.
variable labels mrfcig "Binary cig smoking var for multiple risk factor analysis".
VALUE LABELS mrfcig
1 "Cigarette smoker"
0 "Ex or never smoker".
miss vals cigst3 mrfcig (lo thru -1).

***Alcohol consumption.
miss vals alclim ().
recode alclim (1,2,4=0) (3=1) (else=copy) into mrfalc.
VARIABLE LABELS mrfalc "Binary alcohol consumption var for multiple risk factor analysis
(weekly/daily drinking)".
VALUE LABELS mrfalc
1 "Drinks outwith Govt limits"
0 "Non drinker or within limits".
miss vals alclim mrfalc (low thru -1).

***Fruit and veg consumption.
miss vals porftvg3 ().
recode porftvg3 (0=1) (2=0) (else=copy) into mrfdiet.
if age<16 mrfdiet=-2.
VARIABLE LABELS mrfdiet "Binary fruit/veg consumption var for multiple risk factor analysis".
VALUE LABELS mrfdiet
1 "Eats <5 portions of fruit/veg a day"
0 "Eats 5 or more portions".
miss vals porftvg3 mrfdiet (lo thru -1).

***Activity level.
miss vals adt10gp ().
recode adt10gp (2=1) (3=0) (else=copy) into mrfphys.
VARIABLE LABELS mrfphys "Binary physical activty var for multiple risk factor analysis".
VALUE LABELS mrfphys
```

```
1 "Not active at recommended level"
0 "Active at recommended level".
MISSING VALUES mrfphys adt10gp (lo thru -1).

***Obesity.
miss vals BMI25 ().
recode BMI25 (1=0) (2=1) (else=copy) into mrfbmi.
VARIABLE LABELS mrfbmi "Binary BMI var for multiple risk factor analysis".
VALUE LABELS mrfbmi
1 "BMI 25 or over"
0 "BMI less than 25".
miss vals bmi25 mrfbmi (lo thru -1).

*** DV BASED ON ALL 5 BINARY VARIABLES.
**THIS CAN ONLY BE BASED ON THE SUB-SET OF RESPONDENTS FOR WHOM WE HAVE
MEASURED ALL FIVE RISK FACTORS.

fre mrfbmi mrfphys mrfdiet mrfalc mrfcig.

count mrfmis=mrfbmi mrfphys mrfdiet mrfalc mrfcig (missing).
if age<16 mrfmis=-2.
EXECUTE.
VARIABLE LABELS mrfmis "Number of missing data items across 5 risk factors".
value labels mrfmis -2 "Aged under 16".
mis vals mrfmis (lo thru -1).

count multrisk=mrfbmi mrfphys mrfdiet mrfalc mrfcig (1).
if mrfmis ne 0 multrisk=-1.
if age<16 multrisk=-2.
execute.

VARIABLE Labels multrisk "Number of multiple risk factors (0-5)".
value labels multrisk -1 "Missing data" -2 "Aged under 16".
miss vals multrisk (lo thru -1).
fre multrisk.
```

DENTAL HEALTH

Tthpain1 (D) Toothache/mouth pain in last month (all 16+)
tthapp1 (D) Happy with teeth (all 16+)
GumBld1 (D) Gum bleeding (all 16+)
TthProb1 (D) Problem biting/chewing food (all 16+)
DenTreat1 (D) Thinks would need dental treatment (all 16+)
natthg (D) Number of natural teeth (grouped)
TeethTyp (D) Natural teeth vs denture
tthapp1 (D) Happy with teeth (all 16+)

```
* toothache in last month with base of 'all adults'.

missing values Tthpain ().
compute Tthpain1=Tthpain.
RECODE natteeth (1=3) into Tthpain1.
var label Tthpain1 "(D) Toothache/mouth pain in last month (all 16+)".
value labels Tthpain1
1"yes"
2"no"
3"no natural teeth".
missing values Tthpain Tthpain1 (lo thru -1).

* gum bleeding - base of all adults.

missing values Gumbld  ().
freq natteeth.
compute GumBld1=GumBld.
RECODE natteeth (1=4) into GumBld1.
var label GumBld1 "(D) Gum bleeding (all 16+)".
value labels GumBld1
1"yes, often"
2"yes,occasionally"
3 "no"
4"no natural teeth".
cro GumBld1 by GumBld.
missing values GumBld GumBld1 (lo thru -1).
freq TthProb.
missing values TthProb  ().

compute TthProb1=TthProb.
RECODE natteeth (1=4) into TthProb1.
var label TthProb1  "(D) Problem biting/chewing food (all 16+)".
value labels TthProb1
1"yes, often"
2"yes,occasionally"
3 "no"
4"no natural teeth".
cro TthProb1 by TthProb.
missing values TthProb TthProb1 (lo thru -1).

* need dental treatment with base of 'all adults.
```

```
missing values dentreat ().
compute DenTreat1=DenTreat.
RECODE natteeth (1=3) into DenTreat1.
var label DenTreat1 "(D) Thinks would need dental treatment (all 16+)".
value labels DenTreat1
1"yes"
2"no"
3"no natural teeth".
cro dentreat1 by ag16g10.
missing values dentreat dentreat1 (lo thru -1).
freq dentreat dentreat Tthpain Tthpain1 .

* happy with teeth with base of  'all adults'.
missing values tthapp ().
compute tthapp1=tthapp.
RECODE natteeth (1=5) into tthapp1.
var label tthapp1 "(D) Happy with teeth  (all 16+)".
value labels tthapp1
1  'Very happy'
2  'Fairly happy'
3 ' Fairly unhappy'
4  'Very unhappy'
5 'No natural teeth'.

cro tthapp by Tthapp1.

missing values Tthapp Tthapp1(lo thru -1).

freq tthapp1.

recode natteeth (1=1)(2,3=2)(4=3) (else=copy) into natthg.
var label natthg "(D) Number of natural teeth (grouped)".
value labels natthg 1 "No natutal teeth"
                    2 "1-19 natural teeth"
                    3 "20 or more natural teeth".

RECODE Denture (1 thru 2=0) (-9=0) (-8=0) (else=copy) INTO TeethTyp.
Exe.
MISSING VALUES  NatTeeth Denture ().

RECODE Denture (1 thru 2=0) (-9=0) (-8=0) (else=copy) INTO TeethTyp.
Exe.
RECODE TeethTyp (else=copy) INTO TEMP1.
Exe.
IF (NatTeeth=1) AND (TEMP1=0) TeethTyp=3.
IF (NatTeeth>1) AND (Denture=1) TeethTyp=2.
IF (NatTeeth>1) AND (Denture=2) TeethTyp=1.
Exe.
IF (NatTeeth=-8) AND (Denture=-8) TeethTyp=-8.
IF (NatTeeth=-9) AND (Denture=-9) TeethTyp=-9.
Exe.
IF (NatTeeth=-9) OR (Denture=-9) AND (NatTeeth<>1) TeethTyp=-9.
Exe.
VAR LABS TeethTyp '(D) (VERA) Proportion with natural teeth vs denture'.
VAL LABS TeethTyp
 1 'natural teeth only'
```

```
 2 'natural teeth and dentures'
 3 'no natural teeth'
-9 'Refusal'
-8 'Don t know'
-2 'Schedule not applicable'
-1 'Item not applicable'.
MISSING VALUES TeethTyp (-9 thru -1).

* happy with teeth with base of  'all adults' - used in web tables.
freq tthapp.
missing values tthapp ().

compute tthapp1=tthapp.
RECODE natteeth (1=5) into tthapp1.
var label tthapp1 "(D) Happy with teeth  (all 16+)".
value labels tthapp1
1  'Very happy'
2  'Fairly happy'
3 ' Fairly unhappy'
4  'Very unhappy'
5 'No natural teeth'.

cro tthapp by Tthapp1.
missing values Tthapp Tthapp1(lo thru -1).
```

denptot (D) (VERA) Number of problems with dentist visits mentioned
denptotg (D) (VERA) Number of problems with dentist visits mentioned (grouped)
denhtot (D) (VERA) Number of dental health improvements mentioned
denhtotg (D) (VERA) Number of dental health improvements mentioned (grouped)

```
* dental problems.

count denptot = dentprob to dentpro8 (1).
if dentprob lt 0 denptot=dentprob.
var label denptot "(D) number of problems with dentist visits mentioned".
freq denptot.

recode denptot (0=1)(1=2)(2 thru hi=3) (else=copy) into denptotg.
var label denptotg "(D) number of problems with dentist visits mentioned (grouped)".
val labels denptotg 1"No problems mentioned"
                    2"1 problem mentioned"
                    3 "More than one problem mentioned".

* dental health improvement.

count denhtot = denthlt1 to denthlt6 (1).
if denthlt1 lt 0 denhtot =denthlt1.
var label denhtot "(D) Number of dental health improvements mentioned".
freq denptot.

recode denhtot (0=1)(1=2)(2 thru hi=3) (else=copy) into denhtotg.
var label denhtotg "(D) Number of dental health improvements mentioned (grouped)".
val labels denhtotg 1"No improvements mentioned"
                    2"1 improvement mentioned"
                    3 "More than one improvement mentioned".
```

DISCRIMINATION AND HARASSMENT

DiscHar1 (D) (VERA) Discrim/Harrass: Accent
DiscHar2 (D) (VERA) Discrim/Harrass: Ethnicity
DiscHar3 (D) (VERA) Discrim/Harrass: Age
DiscHar4 (D) (VERA) Discrim/Harrass: Language
DiscHar5 (D) (VERA) Discrim/Harrass: Colour
DiscHar6 (D) (VERA) Discrim/Harrass: Nationality
DiscHar7 (D) (VERA) Discrim/Harrass: Mental Ill-health
DiscHar8 (D) (VERA) Discrim/Harrass: Other health prob/disability
DiscHar9 (D) (VERA) Discrim/Harrass: Sex
DiscHar10 (D) (VERA) Discrim/Harrass: Religious beliefs/faith
DiscHar11 (D) (VERA) Discrim/Harrass: Sexual orientation
DiscHar12 (D) (VERA) Discrim/Harrass: Where live
DiscHar13 (D) (VERA) Discrim/Harrass: Other
DiscHar14 (D) (VERA) Neither discriminated nor harassed in last 12 months
DiscAny (D) (VERA) Unfairly treated/discriminated against in last 12 months for any of reasons listed
HarasAny (D) (VERA) Harassed in last 12 months for any of reasons listed
DiscHarAny (D) (VERA) Discriminated or harassed in last 12 months for any reason

```
DO REPEAT x=DiscHar1 to DiscHar13.
compute x=0.
IF disc1=-2 x=-2.
IF any (-9, disc1, harass1)x=-9.
IF any (-8, disc1,harass1)x=-8.
IF any (-8, disc1,harass1)x=-8.
IF any (-1, disc1,harass1)x=-8.
END REPEAT.

IF (Disc1=1 OR Harass1 =1)DiscHar1 =1.
IF (Disc2=1 OR Harass2 =1) DiscHar2 =1.
IF (Disc3=1 OR Harass3 =1) DiscHar3 =1.
IF (Disc4=1 OR Harass4 =1) DiscHar4 =1.
IF (Disc5=1 OR Harass5 =1) DiscHar5 =1.
IF (Disc6=1 OR Harass6 =1) DiscHar6 =1.
IF (Disc7=1 OR Harass7 =1) DiscHar7 =1.
IF (Disc8=1 OR Harass8 =1) DiscHar8 =1.
IF (Disc9=1 OR Harass9 =1) DiscHar9 =1.
IF (Disc10=1 OR Harass10 =1) DiscHar10 =1.
IF (Disc11=1 OR Harass11 =1) DiscHar11=1.
IF (Disc12=1 OR Harass12 =1) DiscHar12=1.
IF (Disc13=1 OR Harass13 =1) DiscHar13=1.

var labels DiscHar1 "(D) (VERA) Discrim/Harrass: Accident"
DiscHar2 "(D) (VERA) Discrim/Harrass: Ethnicity"
DiscHar3 "(D) (VERA) Discrim/Harrass: Age"
DiscHar4 "(D) (VERA) Discrim/Harrass: Language"
DiscHar5 "(D) (VERA) Discrim/Harrass: Colour"
DiscHar6 "(D) (VERA) Discrim/Harrass: Nationality"
DiscHar7 "(D) (VERA) Discrim/Harrass: Mental Ill-health"
DiscHar8 "(D) (VERA) Discrim/Harrass: Other health prob/disability"
```

```
DiscHar9 "(D) (VERA) Discrim/Harrass: Sex"
DiscHar10 "(D) (VERA) Discrim/Harrass: Religious beliefs/faith"
DiscHar11 "(D) (VERA) Discrim/Harrass: Sexual orientation"
DiscHar12 "(D) (VERA) Discrim/Harrass: Where live"
DiscHar13 "(D) (VERA) Discrim/Harrass: Other health prob/disability".

** New DV DiscAny = 1 (mentioned) if any of the Disc1 to 13 mentioned
* (using Recode command below to keep the REF/NK etc as per original vars)

RECODE Disc1 (0 thru 1=0) (else=copy) INTO DiscAny.
IF ANY(1,Disc1,Disc2,Disc3,Disc4,Disc5,Disc6,Disc7,Disc8,Disc9,Disc10,Disc11,Disc12,Disc13)
DiscAny=1.

VAR LABS DiscAny '(D) (VERA) Unfairly treated/discriminated against in last 12 months for any of
reasons listed'.
VAL LABS DiscAny
 0 'not mentioned'
 1 'mentioned'
-9 'Refusal'
-8 'Don t know'
-2 'Schedule not applicable'
-1 'Item not applicable'.
MISSING VALUES DiscAny (-9 thru -1).

RECODE Harass1 (0 thru 1=0) (else=copy) INTO HarasAny.
Exe.
IF
ANY(1,Harass1,Harass2,Harass3,Harass4,Harass5,Harass6,Harass7,Harass8,Harass9,Harass10
,Harass11,Harass12,Harass13) HarasAny=1.
Exe.

VAR LABS HarasAny '(D) (VERA) Harassed in last 12 months for any of reasons listed'.
VAL LABS HarasAny
 0 'not mentioned'
 1 'mentioned'
-9 'Refusal'
-8 'Don t know'
-2 'Schedule not applicable'
-1 'Item not applicable'.
MISSING VALUES HarasAny (-9 thru -1).

*** new DV 'DiscHarAny' 'Discriminated or harassed for any reason in past 12 months'

RECODE Disc1 (-2=copy) (-1=copy) (else=0) INTO DiscHarAny.
IF ANY(1,Disc1,Disc2,Disc3,Disc4,Disc5,Disc6,Disc7,Disc8,Disc9,Disc10,Disc11,Disc12,Disc13,

Harass1,Harass2,Harass3,Harass4,Harass5,Harass6,Harass7,Harass8,Harass9,Harass10,Haras
s11,
 Harass12,Harass13) DiscHarAny=1.
IF (DiscAny=-8) AND (HarasAny=-8) DiscHarAny=-8.
Exe.
IF (DiscAny=-8) AND (HarasAny=0) DiscHarAny=-8.
Exe.
IF (DiscAny=-9) AND (HarasAny=-9) DiscHarAny=-9.
Exe.
```

```
VAR LABS DiscHarAny '(D) (VERA) Discriminated or harassed in last 12 months for any reason'.

VAL LABS DiscHarAny
 0 'not mentioned'
 1 'mentioned'
-9 'Refusal'
-8 'Don t know'
-2 'Schedule not applicable'
-1 'Item not applicable'.
MISSING VALUES DiscAny HarasAny DiscHarAny (-9 thru -1).
```

EMPLOYMENT STATUS

hpnssec8 (D) NS-SEC 8 variable classification (hrp)
hpnssec5 (D) NS-SEC 5 variable classification (hrp)
hpnssec3 (D) NS-SEC 3 variable classification (hrp)

```
***HRP NS-SEC.

** hpnssec8.
missing values HRPNSSEC ().

RECODE hrpnssec (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 hrpnssec (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 hrpnssec (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".
```

hrpsoccl (D) Social Class HRP (RG old scheme)
schrp (D) Social Class of HRP - Harmonised
schrpg7 (D) Social Class of HRP - I,II,IIIN,IIIM,IV,V,Others
schrpg6 (D) Social Class of HRP - I,II,IIIN,IIIM,IV,V
schrpg4 (D) Social Class of HRP: I/II,IIINM,IIIM,IV/V
HRPSEG (D) HRP Socio-economic Group (old scheme)

sclass (D) Social Class Individual (RG old scheme)
scallx (D) Social Class of Indiv - Harmonised
scallxg2 (D) Soc Class of Indiv - Harmonised: Non-Man/Manual
SEG (D) Individual Socio-economic Group (old scheme)

```
**recode sc into hrpsoccl sc2 into sclass etc (code 6=armed forces but check seg by SC first).

missing values sc  ().
recode sc (0=-9) (1=1) (2=2) (3.1=3) (3.2=4) (4=5) (5=6) (6=7) (else=copy) into hrpsoccl.
variable labels hrpsoccl "Social Class HRP (RG old scheme)".
val labs hrpsoccl
1 "I - Professional"
2 "II- Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual"
7 "Armed forces".
cro sc by hrpsoccl.
missing values sc hrpsoccl (lo thru -1).

missing values sc2  ().
recode sc2 (0=-9) (1=1) (2=2) (3.1=3) (3.2=4) (4=5) (5=6) (6=7) (else=copy) into sclass.
variable labels sclass "Social Class Individual (RG old scheme)".
val labs sclass
1 "I - Professional"
2 "II- Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual"
7 "Armed forces".
cro sc2 by sclass.
missing values sc2 sclass (lo thru -1).

delete variables sc sc2.
execute.

rename variable HEVERJob = hrpeverj .

rename variable NHACTIV = hrpactiv.


**HRP and individual RG social class vars.

missing values hrpsoccl HRPEVERJ HRPACTIV ().

COMPUTE schrp=hrpsoccl.
```

```
IF (HRPEVERJ=2) schrp=10.
IF (HRPACTIV=1 & HRPEVERJ=2) schrp=9.
IF (ANY(HRPACTIV,-8,-9)) schrp=HRPACTIV.
IF (ANY(HRPEVERJ,-8,-9)) schrp=HRPEVERJ.
VARIABLE LABEL schrp "(D) Social Class of HRP - Harmonised".
VALUE LABELS schrp
1 "I - Professional"
2 "II- Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual"
7 "Armed forces"
8 "Insufficient information"
9 "FT Students (if never worked)"
10 "All other never worked".
execute.
fre schrp.


RECODE schrp (7 thru 10=7) (ELSE=COPY) INTO schrpg7.
VARIABLE LABEL schrpg7 "(D) Social Class of HRP - I,II,IIIN,IIIM,IV,V,Others".
VALUE LABELS schrpg7
1 "I - Professional"
2 "II- Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual"
7 "Others".
execute.

RECODE schrp (7 thru 10=-1) (ELSE=COPY) INTO schrpg6.
VARIABLE LABEL schrpg6 "(D) Social Class of HRP - I,II,IIIN,IIIM,IV,V".
VALUE LABELS schrpg6
1 "I - Professional"
2 "II- Managerial technical"
3 "IIIN - Skilled non-manual"
4 "IIIM - Skilled manual"
5 "IV - Semi-skilled manual"
6 "V - Unskilled manual".
execute.

RECODE schrp (1 thru 2=1) (3=2)(4=3)(5 thru 6=4)(-9 thru -1=COPY)(ELSE=-1)
INTO schrpg4.
VARIABLE LABELS schrpg4 "(D) Social Class of HRP: I/II,IIINM,IIIM,IV/V".
VALUE LABELS schrpg4
1 "I & II"
2 "IIINM"
3 "IIIM"
4 "IV & V".
execute.

missing values sc sc2 hrpsoccl HRPEVERJ HRPACTIV  schrp schrpg7 schrpg6 schrpg4 (lo thru -
1).
```

```
*Individual social class*.

missing values sclass nactiv everjob ().

COMPUTE scallx=sclass.
IF (everjob=2)  scallx=10.
IF (nactiv=1 & everjob=2) scallx=9.
IF (ANY(nactiv,-8,-9)) scallx=hrpactiv.
IF (age<16) scallx=-1.
VARIABLE LABEL scallx "(D) Social Class of Indiv - Harmonised".
VALUE LABELS scallx
  1 "I - Professional"
  2 "II- Managerial technical"
  3 "IIIN - Skilled non-manual"
  4 "IIIM - Skilled manual"
  5 "IV - Semi-skilled manual"
  6 "V - Unskilled manual"
  7 "Armed forces"
  8 "Insufficient information"
  9 "FT Students (if never worked)"
  10 "All other never worked".
execute.
cro sclass by scallx.

RECODE scallx (1 thru 3=1) (4 thru 6=2)(-9 thru -1=COPY)(ELSE=-1)
  INTO scallxg2.
VARIABLE LABELS scallxg2 "(D) Soc Class of Indiv - Harmonised: Non-Man/Manual".
VALUE LABELS scallxg2
  1 "Non-Manual "
  2 "Manual".
execute.
missing values sclass scallx scallxg2 (lo thru -1).
fre sclass scallx scallxg2.

**SEG.

recode seg (.0=-9) (else=copy) into HRPSEG.
variable label HRPSEG "HRP Socio-economic Group (old scheme)".
missing values hrpseg (lo thru -1).
fre hrpseg.
delete variables seg.
execute.


recode seg2 (.0=-9) (else=copy) into SEG.
variable label SEG "Individual Socio-economic Group (old scheme)".
missing values seg (lo thru -1).
fre seg.

delete variables seg2.
execute.
```

nssec8 (D) NSSEC 8 category classification (individual)
nssec5 (D) NSSEC 5 category classification (individual)
nssec3 (D) NSSEC 3 category classification (individual)

```
** RESPONDENT'S NSSEC.

freq NSSEC2.

* individual NSSEC.


RECODE NSSEC2 (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.
 IF AGE LT 16 nssec8=-2.
VARIABLE LABEL NSSEC8 "(D) NS-SEC 8 category classification (individual)".
VALUE LABEL NSSEC8
  -2 "Schedule not applicable"
  -1 "Item not applicable"
  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".
execute.

fre NSSEC8.

RECODE NSSEC2  (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.
 IF AGE LT 16 nssec5=-2.
VARIABLE LABEL NSSEC5 "(D) NS-SEC 5 category classification (individual)".
VALUE LABEL NSSEC5
  -2 "Schedule not applicable"
  -1 "Item not applicable"
  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".
execute.


fre NSSEC5.


RECODE NSSEC2  (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 category classification (individual)".
 IF AGE LT 16 nssec3=-2.
VALUE LABEL nssec3
  -2 "Schedule not applicable"
```

```
  -1 "Item not applicable"
  1 "Managerial and professional occupations"
  2 "Intermediate occupations"
  3 "Routine and manual occupations"
  99 "Other".
execute.


freq nssec3.

missing values nssec8 nssec5 nssec3 (lo thru -1).
```

econac08 Economic status of respondent

```
* ECONAC08.

missing values nactiv  ().

RECODE nactiv (1,2=1)(3=2)(8=3)(6,7=4)(9=5)
                    (10=6)(4,5,11,97=7)(else=copy) into econac08.
VAR LABEL econac08 "Economic status of respondent".
VALUE LABELS econac08
1 "In education"
2 "In paid employment, self-employed or on gov't training"
3 "Perm unable to work"
4 "Looking for/intending to look for paid work"
5 "Retired"
6 "Looking after home/family"
7 "Doing something else".

cro nactiv by econac08.

missing values nactiv econac08 (lo thru -1).
```

Stress at Work

StrWork2 (D) Highest educational qualification - revised 2008

```
RECODE strwork (1,2=1)(3=2)(4,5=3) (else=copy) into StrWork2.
VARIABLE LABELS StrWork2 '(D) (VERA) Stress at work - grouped'.
value labels StrWork2
1 'not at all/mildly stressful'
2 'moderately stressful'
3 'very/extremely stressful'
-2 "Schedule not applicable"
-1 "Item not applicable".
```

EDUCATION

hedqul08 (D) Highest educational qualification - revised 2008

```
* qualification question (changed between 2003 and 2008).

missing values TopQua1 TopQua2 TopQua3 TopQua4 TopQua5 TopQua6 TopQua7 TopQua8
TopQua9 TopQua10 TopQua11 TopQua12 ().

if TopQua12=1 hedqul08=6.
if Topqua9 =1 OR TopQua1=1 hedqul08=5.
if TopQua2  = 1 or TopQua3 = 1 hedqul08 = 4 .
if TopQua4 = 1 or TopQua5 = 1  hedqul08 = 3 .
if TopQua6 = 1 or TopQua10=1 hedqul08 = 2 .
if TopQua7 = 1 or TopQua8 = 1 or TopQua11=1 hedqul08 = 1 .
if TopQua1 = -9 hedqul08=-9.
if TopQua1 = -8 hedqul08=-8.
if TopQua1 = -1 hedqul08=-1.
if (age lt 16) hedqul08 =-2.
variable labels hedqul08 "(D) Highest educational qualification - revised 2008" .
val lab hedqul08 1 "Degree or higher" 2 "HNC/D or equiv" 3 "Higher grade or equiv" 4 "Standard
grade or equiv" 5 "Other school level" 6"No qualifications"  -9 "Not answered" -8 "Don't know"
 -2 "Schedule not applicable" -1 "Item not applicable".

execute.
```

INCOME

totinc (D) Total Household Income

```
* household income.

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'.
exe.
```

mcclem (D) McClements household score for equivalised income
eqvinc (D) Equivalised Income
eqv5 (D) Equivalised Income Quintiles

```
** get individual respondent data.

get file="F:\Secure\SHeS08.sav"
  /KEEP Serial_N  jntinc hhinc.
SORT CASES BY Serial_N.
EXECUTE.
AGGREGATE OUTFILE="F:\Secure\hh08.sav"
  /BREAK= Serial_N
  /jointinc hholdinc = MEAN(jntinc hhinc).


** Use HHP data file to get data for each person in household (including people who were not
respondents).

**HOUSEHOLD FILE**.

dataset close all.

GET FILE='F:\Secure\hhp08.sav'
  /KEEP CaseID Serial_N hrpid nofad nofinf person R to R12 ageof.

** create new variable for relationship.
* 2008 added civil partner.

SORT CASES CaseID (A).
COUNT pmarry=R to R12(1).
COUNT pcivpart=R to R12(2).
COUNT ppart=R to R12(3).
```

```
compute relnship=pmarry+pcivpart+ppart.
freq relnship.

rename variables (ageof=age).

SAVE OUTFILE='F:\Secure\mcxx08.sav'
  /KEEP CaseID Serial_N hrpid nofad nofinf person relnship age.

**INDIVIDUAL FILE AGAIN**.

get file="F:\Secure\SHeS08.sav"
  /KEEP CASEID nactiv.
SORT CASES CaseID (A).
SAVE OUTFILE='F:\Secure\activ08.sav'.

MATCH FILES FILE='F:\secure\mcxx08.sav'
  /TABLE='F:\Secure\activ08.sav'
  /BY CaseID.
SAVE OUTFILE='F:\Secure\mcchhp08.sav'.


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

** Create all variables, default to 0 .

GET FILE='F:\Secure\mcchhp08.sav'.
MISSING VALUES age ().
VECTOR mccage(12).
VECTOR mcactv(12).
LOOP xxi=1 TO 12.
DO IF (person=xxi).
COMPUTE mccage(xxi)=age.
COMPUTE mcactv(xxi)=nactiv.
END IF.
END LOOP.
EXECUTE.

** Save HH file with appropriate vars .
SORT CASES BY Serial_N.
SAVE OUTFILE='F:\Secure\mchhp08x.sav'.

** Create Hrp file, save & merge .

GET FILE='F:\Secure\mchhp08x.sav'.
SELECT IF (hrpid=1).
SAVE OUTFILE='F:\Secure\mcchoh08.sav'
  /KEEP= Serial_N nofad relnship nofinf.

** 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\p",!J,".sav")).
GET FILE='F:\Secure\mchhp08x.sav'.
SELECT IF (!vselect=-9 | !vselect>=0).
```

```
SAVE OUTFILE=!vfile /KEEP=Serial_N !vselect !vvar.
!DOEND.
!ENDDEFINE.
MINCFILE.

** Merge all files together by Serial_N & save .

MATCH FILES FILE='f:\secure\hh08.sav'
  /table='f:\secure\mcchoh08.sav'
  /table='f:\secure\p1.sav'
  /table='f:\secure\p2.sav'
  /table='f:\secure\p3.sav'
  /table='f:\secure\p4.sav'
  /table='f:\secure\p5.sav'
  /table='f:\secure\p6.sav'
  /table='f:\secure\p7.sav'
  /table='f:\secure\p8.sav'
  /table='f:\secure\p9.sav'
  /table='f:\secure\p10.sav'
  /table='f:\secure\p11.sav'
  /table='f:\secure\p12.sav'
  /BY Serial_N.
EXECUTE.
SAVE OUTFILE='f:\secure\income08.sav'
 /KEEP Serial_N hholdinc jointinc nofad relnship nofinf
 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\income08.sav'.
COMPUTE mcclem=0.
** Add scores for 16-18s, remove from nofad .
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 (nofad>1) nofad=nofad-1.
END IF.
END IF.
END LOOP.
EXE.

** Add scores for adults .
** Non-married 2nd person adds 7/100 to score .

IF (nofad=1) mcclem=mcclem+(61/100).
IF (nofad=2) mcclem=mcclem+1.
IF (nofad=3) mcclem=mcclem+(142/100).
IF (nofad>=4) mcclem=mcclem+((142+(36*(nofad-3)))/100).
IF (relnship=0&nofad>1) mcclem=mcclem+(7/100).
EXE.
```

```
** 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.
exe.

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

freq mcclem.

freq mccage1 to mccage12.

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

freq mcclem.

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

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.

*** THESE ARE THE CORRECT RANGES FOR 2008 (SEE QUNTILES SECTION BELOW).

RECODE eqvinc (39520 thru hi=1)(25591 thru 39520=2)
  (16918 thru 25591=3)(10672 thru 16918=4)(0 thru 10672=5)
  (ELSE=-1) INTO eqv5.
EXECUTE.
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'
 1 'Top Quintile (>=£39520)'
   2 '2nd Quintile (>=£25591< £39520)'
   3 '3rd Quintile (>=£16918 < £25591)'
   4 '4th Quintile (>=£10672< £16918 )'
   5 'Bottom Quintile (<£10672)'.

cro eqvinc by eqv5.

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

freq eqvinc.

SAVE OUTFILE='f:\secure\mcclem08.sav'
 /KEEP Serial_N mcclem hholdinc jointinc midinc eqvinc mid5 eqv5
 nofad relnship nofinf
 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.
SORT CASES Serial_N (A).
SAVE OUTFILE='f:\secure\eqv08h.sav'
 /KEEP Serial_N  eqvinc eqv5 mcclem.


** QUINTILE SYNTAX – TO GET QUINTILE RANGES**.

GET
  FILE='F:\secure\mcclem08.sav'.


select if eqvinc>0.
RANK
  VARIABLES = eqvinc
  /NTILES(5)
  /PRINT = NO
  /TIES = MEAN .
```

```
SORT CASES BY neqvinc .
SPLIT FILE
  SEPARATE BY neqvinc .
DESCRIPTIVES
  VARIABLES=eqvinc
  /STATISTICS=MEAN STDDEV MIN MAX .

 ***********************************************************************************************.

** Merge back onto individual records.
MATCH FILES FILE="F:\secure\SHeS08.sav"
 /TABLE='f:\secure\eqv08h.sav'
 /BY hserial.
EXECUTE.

SAVE OUTFILE="f:\secure\class1.sav".
```

PARENTAL SOCIAL CLASS

fanssec8 (D) Father's NS-SEC 8 variable classif when resp 14
fanssec5 (D) Father's NS-SEC 5 variable classif when resp 14
fanssec3 (D) Father's NS-SEC 3 variable classif when resp 14
manssec8 (D) Mother's NS-SEC 8 variable classif when resp 14
manssec5 (D) Mother's NS-SEC 5 variable classif when resp 14
manssec3 (D) Mother's NS-SEC 3 variable classif when resp 14
pnssec5 (D) Parental NS-SEC (highest) 5 groups
pnssec3 (D) Parental NS-SEC (highest) 3 groups

```
**Parental social class.
*FATHERS.

* NB: FOR 2008 THE VARIABLE NAMES ARE NOT THE SAME AS IN 2003.

* FathOcc FathSup SOCNow3 SOC20003 XSOC2002 IndexNo3 ES2002 NSSEC3 SECFlag3
SEG3 SC3 SOC92 SOCStat3


rename variables (NSSEC3=fanssec).
rename variables (SOC20003=fasoc200).
rename variables (ES2002=faes2000).
rename variables (SOC92=fasoc90).
rename variables (SEG3=faseg).
rename variables (SC3=fasc).

variable labels fanssec "Father's NSSEC when respondent 14".
variable labels fasoc200 "Father's SOC2000 when respondent 14".
variable labels faes2000 "Father's Employment Status when respondent 14".
variable labels fasoc90 "Father's SOC90 when respondent 14".
variable labels faseg "Father's SEG (old scheme) when respondent 14".
variable labels fasc "Father's Social Class (old scheme) when respondent 14".

RECODE fanssec (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 fanssec8.
```

```
VARIABLE LABEL fanssec8 "(D) Father's NS-SEC 8 variable classif when resp 14".
VALUE LABEL fanssec8
  -1 "Schedule not applicable"
  -2 "Item not applicable"
  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".
execute.

fre fanssec8.

RECODE fanssec (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 fanssec5.
VARIABLE LABEL fanssec5 "(D) Father's NS-SEC 5 variable classif when resp 14".
VALUE LABEL fanssec5
  -1 "Schedule not applicable"
  -2 "Item not applicable"
  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".
execute.
* missing values fanssec5 (-1, -2).
fre fanssec5.

freq fanssec8.

RECODE fanssec (1 thru 6=1) (7 thru 9.2=2) (10 thru 13.5=3) (14 thru 17=99) (else=copy) INTO
fanssec3.
VARIABLE LABEL fanssec3 "(D) Father's NS-SEC 3 variable classif when resp 14".
VALUE LABEL fanssec3
  -1 "Schedule not applicable"
  -2 "Item not applicable"
  1 "Managerial and professional occupations"
  2 "Intermediate occupations"
  3 "Routine and manual occupations"
  99 "Other".
execute.

missing values fanssec3 (l thru -1).
fre fanssec3.


*MOTHERS.

* 2008 VARIABLES.
* MothOcc MothSup SOCNow4 SOC20004 XSOC2003 IndexNo4 ES2003          NSSEC4
SECFlag4 SEG4 SC4 SOC93 SOCStat4.
```

```
rename variables (NSSEC4=manssec).
rename variables (SOC20004 =masoc200).
rename variables (ES2003=maes2000).
rename variables (SOC93 =masoc90).
rename variables (SEG4 =maseg).
rename variables (SC4=masc).

variable labels manssec "Mother's NSSEC when respondent 14".
variable labels masoc200 "Mother's SOC2000 when respondent 14".
variable labels maes2000 "Mother's Employment Status when respondent 14".
variable labels masoc90 "Mother's SOC90 when respondent 14".
variable labels maseg "Mother's SEG (old scheme) when respondent 14".
variable labels masc "Mother's Social Class (old scheme) when respondent 14".

RECODE manssec (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 manssec8.
VARIABLE LABEL manssec8 "(D) Mother's NS-SEC 8 variable classif when resp 14".
VALUE LABEL manssec8
  -1 "Schedule not applicable"
  -2 "Item not applicable"
  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".
execute.
* missing values manssec8 (-1, -2).
fre manssec8.

RECODE manssec (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 manssec5.
VARIABLE LABEL manssec5 "(D) Mother's NS-SEC 5 variable classif when resp 14".
VALUE LABEL manssec5
  -1 "Schedule not applicable"
  -2 "Item not applicable"
  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".
execute.
* missing values manssec5 (-1, -2).
fre manssec5.

RECODE manssec (1 thru 6=1) (7 thru 9.2=2) (10 thru 13.5=3) (14 thru 17=99) (else=copy) INTO
manssec3.
VARIABLE LABEL manssec3 "(D) Mother's NS-SEC 3 variable classif when resp 14".
VALUE LABEL manssec3
  -1 "Schedule not applicable"
  -2 "Item not applicable"
```

```
  1 "Managerial and professional occupations"
  2 "Intermediate occupations"
  3 "Routine and manual occupations"
  99 "Other".
execute.
missing values manssec3 (lo thru -1).
fre manssec3.


** parental nssec.

missing values fanssec3 manssec3 fanssec5 manssec5  ().

compute pnssec5=0.
if (fanssec5=-2) pnssec5=-2.
if (fanssec5=-1 and manssec5=-1) pnssec5=-1.
if (fanssec5<manssec5) pnssec5=fanssec5.
if (fanssec5=manssec5) pnssec5=fanssec5.
if (fanssec5>manssec5) pnssec5=manssec5.
if (((range(fanssec5,1,5)) and manssec5=-1)) pnssec5=fanssec5.
if (((range(manssec5,1,5)) and fanssec5=-1)) pnssec5=manssec5.
Variable label pnssec5 "(D) Parental NS-SEC (highest) 5 groups".
val labs pnssec5
1 'Managerial and professional'
2 'Intermediate'
3 'Small employers / own account'
4 'Lower supervisory / techincal'
5 'Semi-routine'.
execute.

freq pnssec5.


missing values fanssec3 manssec3 ().

compute pnssec3=0.
if (fanssec3=-2) pnssec3=-2.
if (fanssec3=-1 and manssec3=-1) pnssec3=-1.
if (fanssec3<manssec3) pnssec3=fanssec3.
if (fanssec3=manssec3) pnssec3=fanssec3.
if (fanssec3>manssec3) pnssec3=manssec3.
if (((range(fanssec3,1,5)) and manssec3=-1)) pnssec3=fanssec3.
if (((range(manssec3,1,5)) and fanssec3=-1)) pnssec3=manssec3.
Variable label pnssec3 "(D) Parental NS-SEC (highest) 3 groups".
val labs pnssec3
1 'Managerial and professional'
2 'Intermediate & Small employers / own account"
3 'Routine and manual'.
execute.

freq fanssec3 manssec3 pnssec3.

missing values fanssec3 manssec3 pnssec3 (lo thru -1).
```

ANTHROPOMETRIC MEASUREMENTS

HEIGHT/WEIGHT ADMIN

htok (D) Whether height measure is valid

```
** htok
RECODE resphts (1=1)(2=3)(3=4)(4=5) (-1=-1) (-2=-2) 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.
Exe.
```

wtok (D) Whether weight measure is valid

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

bmiok (D) Whether bmi measure is valid

```
** bmiok.
IF htok=1 & 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 ANY(-1,htok,wtok) bmiok=-1.
IF ANY(-2,htok,wtok) bmiok=-2.
IF wtok=-90 bmiok=-90.
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.
```

WAIST HIP ADMIN

wstokb (D) Whether waist measurements are valid
hipokb (D) Whether hip measurements are valid
whokb (D) Whether waist/hip measure is valid

```
** wstokb.
RECODE respwh (1=1)(2=7)(3=8)(4=9)(else=COPY) INTO wstokb.
COMPUTE #wst12=abs(waist1-waist2).
COMPUTE #wst13=abs(waist1-waist3).
COMPUTE #wst23=abs(waist2-waist3).
IF respwh=1 & #wst12<=3 & any(wjrel,1,2,3) wstokb=1.
DO IF respwh=1 & #wst12>3.
COMPUTE wstokb=6.
IF #wst13<=3 wstokb=2.
IF #wst23<=3 wstokb=3.
IF #wst13<=3 & #wst23<=3 wstokb=4.
END IF.
IF ANY(wjrel,4,-9) wstokb=5.
IF pregntj=1 wstokb=-90.
IF nursint=0 wstokb=-2.
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'
-2 "Schedule not applicable".

** hipokb.
RECODE respwh (1=1)(2=7)(3=8)(4=9)(else=COPY) INTO hipokb.
COMPUTE #hip12=abs(hip1-hip2).
COMPUTE #hip13=abs(hip1-hip3).
COMPUTE #hip23=abs(hip2-hip3).
IF respwh=1 & #hip12<=3 & any(hjrel,1,2,3) hipokb=1.
DO IF respwh=1 & #hip12>3.
COMPUTE hipokb=6.
IF #hip13<=3 hipokb=2.
IF #hip23<=3 hipokb=3.
IF #hip13<=3 & #hip23<=3 hipokb=4.
END IF.
IF ANY(hjrel,4,-9) hipokb=5.
IF pregntj=1 hipokb=-90.
IF nursint=0 hipokb=-2.
VARIABLE LABELS hipokb "(D) Whether hip measurements are valid".
VALUE LABELS hipokb
 1 'Usable 1st & 2nd measurements'
 2 'Usable 1st & 3rd measurements'
 3 'Usable 2nd & 3rd measurements'
 4 'Usable 1st & 2nd & 3rd measurements'
```

```
 5 'Not useable: unreliable'
 6 'Not useable: difference > 3cm'
 7 'Partial response'
 8 'Refused'
 9 'Not attempted'
 -90 "Pregnant".

* whokb.
RECODE wstokb(lo thru -1=COPY) into whokb.
IF RANGE(wstokb,1,4) & RANGE(hipokb,1,4) whokb=1.
IF ANY(5,wstokb,hipokb) | ANY(6,wstokb,hipokb) whokb=2.
IF ANY(7,wstokb,hipokb) whokb=3.
IF ANY(8,wstokb,hipokb) whokb=4.
IF ANY(9,wstokb,hipokb) whokb=5.
IF hipokb=-90 whokb=-90.
IF nursint=0 whokb=-2.
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"
-2 "Schedule not applicable"
 -90 "Pregnant".
```

DEMISPAN ADMIN

spanokb (D) Whether Demispan is valid

```
* spanokb.
COMPUTE #span12=abs(span1-span2).
COMPUTE #span13=abs(span1-span3).
COMPUTE #span23=abs(span2-span3).
DO IF (respds=1 & #span12<=3).
IF (spanrel1=1 & spanrel2=1) spanokb=1.
IF ANY(spanrel1,2,-9) | ANY(spanrel2,2,-9) spanokb=5.
END IF.
DO IF (respds=1 & #span12>3).
COMPUTE spanokb=6.
IF #span13<=3 & ANY(spanrel1,2,-9) & ANY(spanrel3,2,-9) spanokb=5.
IF #span23<=3 & ANY(spanrel2,2,-9) & ANY(spanrel3,2,-9) spanokb=5.
IF #span13<=3 & spanrel1=1 & spanrel3=1 spanokb=2.
IF #span23<=3 & spanrel2=1 & spanrel3=1 spanokb=3.
IF #span13<=3 & #span23<=3 & spanrel1=1 & spanrel2=1 & spanrel3=1 spanokb=4.
END IF.
IF age lt 65 spanokb=-1.
IF (nursint=0)spanokb=-2.
IF (respds=5) spanokb=9.
VARIABLE LABEL spanokb "(D) Whether Demispan is valid" .
VALUE LABELS spanokb
-1 'Item not applicable'
-2 'Schedule not applicable'
 1 'Usable 1st & 2nd measurements'
 2 'Usable 1st & 3rd measurements'
```

```
 3 'Usable 2nd & 3rd measurements'
 4 'Usable 1st & 2nd & 3rd measurements'
 5 'Not useable: difference <= 3cm but unreliable'
 6 'Not useable: difference > 3cm'
 7 'Partial response'
 8 'Refused'
 9 'Not attempted'.
```

MEASUREMENTS

bmi (D) BMI - inc unreliable measurements

```
** BMI.
COMPUTE bmi=-1.
IF height>0 & weight>0 bmi=(weight*100*100)/(height*height).
VARIABLE LABELS bmi "(D) BMI - inc unreliable measurements".
```

bmival (D) BMI - inc estimated >130kg

```
** BMIVAL.
COMPUTE bmival=-1.
IF (bmiok=1) bmival=bmi.
IF (range(estwt,130,500) & ANY(wtok,3,4,5) & htok=1)
  bmival=(estwt * 100 * 100)/(height * height).
VARIABLE LABELS bmival "(D) BMI - inc estimated >130kg".
```

bmivg5 (D) Valid BMI (5 groups)

(grouped (1) < 18.5 (2) >=.18.5 - > 25 (3) >=25 - <30 (4) >=30 - <40, (5) >=40)

```
** bmivg5.
compute bmivg5=-1.
RECODE bmival (40 thru hi=5) (30 thru 40=4) (25 thru 30=3) (18.5 thru 25=2) (0 thru 18.5=1)(lo
thru -1=COPY) INTO bmivg5.
if range(age,0,15) bmivg5=-2.
VARIABLE LABELS bmivg5 "(D) Valid BMI (5 groups)".
VALUE LABELS bmivg5
1 Under 18.5
2 18.5 to less than 25
3 25 to less than 30
4 30 to less than 40
5 40 and over.
exe.
```

bmivg4 (D) Valid BMI (4 groups)

(grouped (1) < 18.5, (2) >=18.5 - <25, (3) >= 25- <30) (4) >=30)

```
** bmivg4.
compute bmivg4=-1.
RECODE bmival (30 thru hi=4) (25 thru 30=3) (18.5 thru 25=2) (0 thru 18.5=1)(lo thru -1=COPY)
INTO bmivg4.
if range(age,0,15) bmivg4=-2.
VARIABLE LABELS bmivg4 "(D) Valid BMI (4 groups)".
VALUE LABELS bmivg4
1 Under 18.5
2 18.5 to less than 25
```

```
3 25 to less than 30
4 30 and over.
```

bmi25 (D) Valid BMI (grouped under 25/25 and over)

```
** bmi25.
compute BMI25=-1.
RECODE bmival (25 thru hi=2) (0 thru 25=1) (lo thru -1=COPY)  INTO bmi25.
VARIABLE LABELS bmi25 “(D) Valid BMI (grouped 25 and over)”.
VALUE LABELS bmi25
1 Under 25
2 25 and over .
if range(age,0,15) bmi25=-2.
exe.
```

bmi30 (D) Valid BMI (grouped under 30/30 and over)

```
** bmi30.
compute BMI30=-1.
RECODE bmival (30 thru hi=2) (0 thru 30=1) (lo thru -1=COPY) INTO bmi30.
VARIABLE LABELS bmi30 “(D) Valid BMI (grouped 30 and over)”.
VALUE LABELS bmi30
1 Under 30
2 30 and over .
if range(age,0,15) bmi30=-2.
exe.
```

bmi40 (D) Valid BMI (grouped under 40/40 and over)

```
** bmi40.
compute BMI40=-1.
RECODE bmival (40 thru hi=2) (0 thru 40=1) (lo thru -1=COPY) INTO bmi40.
VARIABLE LABELS bmi40 “(D) Valid BMI (grouped 40 and over)”.
VALUE LABELS bmi40
1 Under 40
2 40 and over .
if range(age,0,15) bmi40=-2.
exe.
```

htval (D) Valid height (cm)

```
** htval.
COMPUTE htval=-1.
IF htok=1 htval=height.
VARIABLE LABEL htval “(D) Valid height (cm)”.
exe.
```

htgrpm (D) Male height group (3 groups)
htgrpw (D) Female height group (3 groups)

```
COMPUTE htgrpm=-1.
DO IF (sex=1 & htok=1 & age>=16).
RECODE height (180 thru Hi=3) (170 thru 180=2) (1 thru 170=1) (else=copy) INTO  htgrpm.
END IF.
EXECUTE .
```

```
VAR LABEL htgrpm "(D) Male height group ".
VALUE LABELS  htgrpm 1 "<170cm" 2 "170-180cm" 3 ">=180cm".

cro height by htgrpm.

COMPUTE htgrpw=-1.
IF height =-6 htgrpm=-6.
DO IF (sex=2 & htok=1& age>=16).
RECODE  height (170 thru hi=3)  (160 thru 170=2) (1 thru 160=1) (else=copy) INTO  htgrpw.
END IF.
EXECUTE .

VAR LABEL htgrpw "(D) Female height group".
VALUE LABELS   htgrpw 1 "<160cm" 2 "160-170cm" 3 ">=170cm".
```

htagegm (D) Male age-height group (aged 16 to 74 yrs)
htgrpm2 (D) Male height group
htagegw (D) Female age-height group (aged 16 to 74 yrs)
htgrpw2 (D) Femal height group
htmengp (D) Male height grps
htwomgp (D) Female height grps

```
* Height groups.
freq height.

COMPUTE htagegm=-1.
DO IF sex=1 & age>=16.
  RECODE  height (175 THRU HI=2) (0 THRU 175=1) (else=copy) INTO htgrpm2.
  DO IF RANGE (age,16,44).
    IF (htgrpm2=1) htagegm=1.
    IF (htgrpm2=2) htagegm=2.
  ELSE IF age>=45.
    IF (htgrpm2=1) htagegm=3.
    IF (htgrpm2=2) htagegm=4.
  END IF.
END IF.
EXECUTE.
VAR LAB htagegm "(D) Male age-height group (aged 16-44/45+)".
VAR LAB htgrpm2 "(D) Male height group".
VAL LAB htagegm 1 '16-44,<175' 2 '16-44,175+'
              3 '45+,<175' 4 '45+,175+'.
VAL LAB htgrpm2  1 '<175cm' 2 '175cm+'.
missing values htagegm htgrpm2 (-1).
fre htagegm htgrpm2 .

COMPUTE htagegw=-1.
DO IF sex=2 & age>=16.
  RECODE height (165 THRU HI =2) (0 THRU 165 =1) (else=copy) INTO htgrpw2.
  DO IF RANGE (age,16,44).
    IF (htgrpw2=1) htagegw=1.
    IF (htgrpw2=2) htagegw=2.
  ELSE IF age>=45.
    IF (htgrpw2=1) htagegw=3.
    IF (htgrpw2=2) htagegw=4.
  END IF.
```

```
END IF.
EXECUTE.

VAR LAB htagegw "(D) Female age-height group (aged 16-44/45+)".
VAR LAB htgrpw2 "(D) Female height group".
VAL LAB htagegw 1 '16-44,<165' 2 '16-44,165+'
            3 '45+,<165' 4 '45+,165+'.
VAL LAB htgrpw2 1 '<165cm' 2 '165cm+'.


recode htgrpm2 (sysmis=-1)(else=copy).
recode htgrpw2 (sysmis=-1)(else=copy).


fre htagegm htgrpm2 htagegw htgrpw2.

missing values htagegw htgrpw2 (lo thru -1).

**********.

COMPUTE htgrpm=-1.
DO IF (sex=1 & htok=1 & age>=16).
RECODE height (180 thru Hi=3) (170 thru 180=2) (1 thru 170=1) (else=copy) INTO  htgrpm.
END IF.
EXECUTE .
VAR LABEL htgrpm "(D) Male height group".
VALUE LABELS  htgrpm 1 "<170cm" 2 "170-180cm" 3 ">=180cm".

cro height by htgrpm.

COMPUTE htgrpw=-1.
IF height =-6 htgrpm=-6.
DO IF (sex=2 & htok=1& age>=16).
RECODE  height (170 thru hi=3)  (160 thru 170=2) (1 thru 160=1) (else=copy) INTO  htgrpw.
END IF.
EXECUTE .

VAR LABEL htgrpw "(D) Female height group".
VALUE LABELS   htgrpw 1 "<160cm" 2 "160-170cm" 3 ">=170cm".

*** HTMENGP/HTWOMGP.
missing values htgrpm htgrpw htagegm htagegw ().

COMPUTE htmengp=-1.
DO IF age>=16.
IF (sex=1 and htval<165) htmengp=1.
IF (sex=1 and htval ge 165 and htval<170) htmengp=2.
IF (sex=1 and htval ge 170 and htval<175) htmengp=3.
IF (sex=1 and htval ge 175 and htval<180) htmengp=4.
IF (sex=1 and htval ge 180) htmengp=5.
END IF.
VAR LAB htmengp '(D)Male height grps'.
VAL LAB htmengp 1 '<165' 2 '165-169' 3 '170-174' 4 '175-179'  5 '180+'.


COMPUTE htwomgp=-1.
```

```
IF htval=-6 htwomgp=-6.
DO IF age>=16.
IF (sex=2 and htval<155) htwomgp=1.
IF (sex=2 and htval ge 155 and htval<160) htwomgp=2.
IF (sex=2 and htval ge 160 and htval<165) htwomgp=3.
IF (sex=2 and htval ge 165 and htval<170) htwomgp=4.
IF (sex=2 and htval ge 170) htwomgp=5.
END IF.
VAR LAB htwomgp '(D) Female height grps'.
VAL LAB htwomgp 1 '<155' 2 '155-159' 3 '160-164' 4 '165-169' 5 '170+'.
exe.


missing values htgrpm htgrpw htmengp htwomgp htagegm htagegw (lo thru -1).
```

wtval (D) Valid weight (kg) inc. estimated>130kg

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

wtmengp (D) Male weight grps
wtwomgp (D) Female weight grps

```
* wtmwngp.
COMPUTE wtmengp=-1.
DO IF age>=16.
IF (sex=1 and wtval<60) wtmengp=1.
IF (sex=1 and wtval ge 60 and wtval<70) wtmengp=2.
IF (sex=1 and wtval ge 70 and wtval<80) wtmengp=3.
IF (sex=1 and wtval ge 80 and wtval<90) wtmengp=4.
IF (sex=1 and wtval ge 90) wtmengp=5.
END IF.
VAR LAB wtmengp '(D) Male weight grps'.
VAL LAB wtmengp 1 '<60' 2 '60-69' 3 '70-79' 4 '80-89' 5 '90+'.
exe.

* wtwomgp.
COMPUTE wtwomgp=-1.
DO IF age>=16.
IF (sex=2 and wtval<50) wtwomgp=1.
IF (sex=2 and wtval ge 50 and wtval<60) wtwomgp=2.
IF (sex=2 and wtval ge 60 and wtval<70) wtwomgp=3.
IF (sex=2 and wtval ge 70 and wtval<80) wtwomgp=4.
IF (sex=2 and wtval ge 80) wtwomgp=5.
END IF.
VAR LAB wtwomgp '(D) Female weight grps'.
VAL LAB wtwomgp 1 '<50' 2 '50-59' 3 '60-69' 4 '70-79' 5 '80+'.
exe.
```

htage (D) Height-age children
tertile (D) Height-age tertiles children

```
* htage/tertile.
COMPUTE htage=-1.
COMPUTE tertile=-1.
DO IF (htok=1).
DO IF (sex=1).
  DO IF (age=7).
    COMPUTE htage=7.
    DO IF (height<=121.4).
      COMPUTE tertile=1.
    ELSE IF (height>121.4 & height<126.5).
      COMPUTE tertile=2.
    ELSE IF (height>=126.5).
      COMPUTE tertile=3.
    END IF.
  ELSE IF (age=8).
    COMPUTE htage=8.
    DO IF (height<=128.1).
      COMPUTE tertile=1.
    ELSE IF (height>128.1 & height<133.2).
      COMPUTE tertile=2.
    ELSE IF (height>=133.2).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=9).
    COMPUTE htage=9.
    DO IF (height<=133.1).
      COMPUTE tertile=1.
    ELSE IF (height>133.1 & height<139.2).
      COMPUTE tertile=2.
    ELSE IF (height>=139.2).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=10).
    COMPUTE htage=10.
    DO IF (height<=140.5).
      COMPUTE tertile=1.
    ELSE IF (height>140.5 & height<145).
      COMPUTE tertile=2.
    ELSE IF (height>=145).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=11).
    COMPUTE htage=11.
    DO IF (height<=142.8).
      COMPUTE tertile=1.
    ELSE IF (height>142.8 & height<149.4).
      COMPUTE tertile=2.
    ELSE IF (height>=149.4).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=12).
    COMPUTE htage=12.
    DO IF (height<=150).
      COMPUTE tertile=1.
```

```
    ELSE IF (height>150 & height<156.3).
      COMPUTE tertile=2.
    ELSE IF (height>=156.3).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=13).
    COMPUTE htage=13.
    DO IF (height<=156).
      COMPUTE tertile=1.
    ELSE IF (height>156 & height<164).
      COMPUTE tertile=2.
    ELSE IF (height>=164).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=14).
    COMPUTE htage=14.
    DO IF (height<=163.2).
      COMPUTE tertile=1.
    ELSE IF (height>163.2 & height<169.8).
      COMPUTE tertile=2.
    ELSE IF (height>=169.8).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=15).
    COMPUTE htage=15.
    DO IF (height<=169.2).
      COMPUTE tertile=1.
    ELSE IF (height>169.2 & height<175.4).
      COMPUTE tertile=2.
    ELSE IF (height>=175.4).
      COMPUTE tertile=3.
    END IF.
END IF.
ELSE IF (sex=2).
  DO IF (age=7).
    COMPUTE htage=7.
    DO IF (height<=121).
      COMPUTE tertile=1.
    ELSE IF (height>121 & height<126.9).
      COMPUTE tertile=2.
    ELSE IF (height>=126.9).
      COMPUTE tertile=3.
    END IF.
  ELSE IF (age=8).
    COMPUTE htage=8.
    DO IF (height<=127.4).
      COMPUTE tertile=1.
    ELSE IF (height>127.4 & height<132.8).
      COMPUTE tertile=2.
    ELSE IF (height>=132.8).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=9).
    COMPUTE htage=9.
    DO IF (height<=133.1).
      COMPUTE tertile=1.
```

```
    ELSE IF (height>133.1 & height<138.2).
      COMPUTE tertile=2.
    ELSE IF (height>=138.2).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=10).
    COMPUTE htage=10.
    DO IF (height<=138).
      COMPUTE tertile=1.
    ELSE IF (height>138 & height<143.3).
      COMPUTE tertile=2.
    ELSE IF (height>=143.3).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=11).
    COMPUTE htage=11.
    DO IF (height<=144.6).
      COMPUTE tertile=1.
    ELSE IF (height>144.6 & height<151.5).
      COMPUTE tertile=2.
    ELSE IF (height>=151.5).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=12).
    COMPUTE htage=12.
    DO IF (height<=151).
      COMPUTE tertile=1.
    ELSE IF (height>151 & height<157).
      COMPUTE tertile=2.
    ELSE IF (height>=157).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=13).
    COMPUTE htage=13.
    DO IF (height<=157.1).
      COMPUTE tertile=1.
    ELSE IF (height>157.1 & height<161.3).
      COMPUTE tertile=2.
    ELSE IF (height>=161.3).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=14).
    COMPUTE htage=14.
    DO IF (height<=158).
      COMPUTE tertile=1.
    ELSE IF (height>158 & height<163.1).
      COMPUTE tertile=2.
    ELSE IF (height>=163.1).
      COMPUTE tertile=3.
    END IF.
ELSE IF (age=15).
    COMPUTE htage=15.
    DO IF (height<=159.3).
      COMPUTE tertile=1.
    ELSE IF (height>159.3 & height<165.1).
      COMPUTE tertile=2.
```

```
    ELSE IF (height>=165.1).
      COMPUTE tertile=3.
    END IF.
END IF.
END IF.
END IF.

IF age ge 16 tertile=-2.
IF age ge 16 htage=-2.

VAR LAB htage ' (D) Height-age children'
/tertile ' (D) Height-age tertiles children'.
VAL LAB tertile 1 'Shortest tertile' 2 'Middle tertile' 3 'Tallest tertile'.
```

wstval (D) Valid Mean Waist (cm)

```
* wstval.
COMPUTE wstval=-1.
IF wstokb=1 wstval=(waist1+waist2)/2.
IF wstokb=2 wstval=(waist1+waist3)/2.
IF wstokb=3 wstval=(waist2+waist3)/2.
IF wstokb=4 wstval=(waist1+waist2+waist3)/3.
IF nursint=0 wstval=-2.
VARIABLE LABEL wstval "(D) Valid Mean Waist (cm)".
```

hipval (D) Valid Mean Hip (cm)

```
* hipval.
COMPUTE hipval=-1.
IF hipokb=1 hipval=(hip1+hip2)/2.
IF hipokb=2 hipval=(hip1+hip3)/2.
IF hipokb=3 hipval=(hip2+hip3)/2.
IF hipokb=4 hipval=(hip1+hip2+hip3)/3.
IF nursint=0 hipval=-2.
VARIABLE LABEL hipval "(D) Valid Mean Hip (cm)".
```

menwhgp (D) Male waist hip ratio groups
menwhhi (D) Male high waist hip ratio

```
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 nursint=0 menwhgp=-2.
if nursint=0 menwhhi=-2.
```

womwhgp (D) Female waist hip ratio groups
womwhhi (D) Female high waist hip ratio

```
do if sex=2.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into womwhgp.
RECODE whval (0.90 THRU hi=6)(0.85 THRU 0.90=5)(0.80 THRU 0.85=4)(0.75 THRU 0.80=3)
  (0.70 thru 0.75=2)(0.01 thru 0.70=1) into womwhgp.
recode womwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into womwhhi.
VAR LAB womwhgp '(D) Female waist hip ratio groups'.
VAL LAB womwhgp
    1 'Less than 0.70'
    2 '0.70, less than 0.75'
    3 '0.75, less than 0.80'
    4 '0.80, less than 0.85'
    5 '0.85, less than 0.90'
    6 '0.90 or more'
   -90 'Pregnant'.
VAR LAB womwhhi '(D) Female high waist hip ratio'.
VAL LAB womwhhi
  1 'Less than 0.85'
  2 '0.85 or more'
  -90 'Pregnant'.
end if.
if sex=1 womwhgp=-1.
if sex=1 womwhhi=-1.
if nursint=0 womwhgp=-2.
if nursint=0 womwhhi=-2.
```

spanval (D) Valid mean demispan (cm)
spanmen (D) Male demi-span grps
spanwom (D) Female demi-span grps

```
*valid demispan.

IF (spanokb=1) spanval=(span1+span2)/2.
IF (spanokb=2) spanval=(span1+span3)/2.
IF (spanokb=3) spanval=(span2+span3)/2.
IF (spanokb=4) spanval=(span1+span2+span3)/3.
IF age lt 65 spanval=-1.
IF (nursint=0)spanval=-2.
IF (spanokb ge 5)spanval=-8.
VARIABLE LABEL spanval "(D) Valid Mean Demispan (cm)".
missing values spanval (lo thru -1).
freq spanval.

***** men*****.

COMPUTE spanmen=-1.
```

```
DO IF age>=16.
IF (sex=1 and spanval<75) spanmen=1.
IF (sex=1 and spanval ge 75 and spanval<80) spanmen =2.
IF (sex=1 and spanval ge 80 and spanval<85) spanmen =3.
IF (sex=1 and spanval ge 85 and spanval<90) spanmen =4.
IF (sex=1 and spanval ge 90) spanmen =5.
END IF.
IF (nursint=0)spanmen=-2.
VAR LAB spanmen '(D) Male demi-span grps'.
VAL LAB spanmen 1 '<75'  2 '75-79' 3 '80-84' 4 '85-89'  5 '90+'.

freq spanmen.

cro spanokb by spanmen.

*** women *****.
COMPUTE spanwom=-1.
DO IF age>=16.
IF (sex=2 and spanval<70) spanwom=1.
IF (sex=2 and spanval ge 70 and spanval<75) spanwom =2.
IF (sex=2 and spanval ge 75 and spanval<80) spanwom =3.
IF (sex=2 and spanval ge 80) spanwom =4.
END IF.
IF (nursint=0)spanwom=-2.
VAR LAB spanwom '(D) Female demi-span grps'.
VAL LAB spanwom 1 '<70' 2 '70-74' 3 '75-79' 4 '80+'.
```

PRESCRIBED MEDICINES:GENERAL

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 ?
numed2 (D) Number of prescribed medicines taken
numed (D) Number of prescribed medicines taken (grouped 4+)

```
* N.B. names in archive dataset for drug code variables were chabged  to match 2003 dataset
after  this syntax was run
* drcd was renamed to medbi01, drcd2 to medbi02 and so on (see variable list)

** medicine variables.
COMPUTE medcnj = medcnjd .
```

```
IF (sex = 2 & medcnjd = 1) & (RANGE(drcd,70301,70302)
  & drcd2<0 & drcd3<0 & drcd4<0 & drcd5<0 & drcd6<0 & drcd7<0 &
    drcd8<0 & drcd9<0 & drcd10<0 & drcd11<0 & drcd12<0 & drcd13<0 &
    drcd14<0 & drcd15<0 & drcd16<0 & drcd17<0 &drcd18<0 )  medcnj = 2.
If nursint=0 medcnj=-2.
VARIABLE LABEL medcnj "(D) Whether taking medication - excluding contraceptives only" .
VALUE LABELS medcnj 1 'Yes'
                    2 'No'.
freq medcnj .


DO REPEAT xtyp = medtyp1 TO medtyp13.
COMPUTE xtyp=0.
RECODE medcnj (2=-1)(-9 thru -2=COPY) INTO xtyp.
END REPEAT.
DO REPEAT xxmed=drcd drcd2 drcd3 drcd4 drcd5 drcd6 drcd7 drcd8 drcd9 drcd10 drcd11
drcd12 drcd13 drcd14 drcd15 drcd16 drcd17 drcd18.
IF (RANGE(xxmed,20101,21300)) medtyp1 = 1.
IF (RANGE(xxmed,10101,10904)) medtyp2 = 1.
IF (RANGE(xxmed,30101,31000)) medtyp3 = 1.
IF (RANGE(xxmed,40101,41000)) medtyp4 = 1.
IF (RANGE(xxmed,50101,50508)) medtyp5 = 1.
IF (RANGE(xxmed,60101,60703)) medtyp6 = 1.
IF (RANGE(xxmed,70201,70202,70401,70500)) medtyp7 = 1.
IF (RANGE(xxmed,80101,80304)) medtyp8 = 1.
IF (RANGE(xxmed,90101,90802)) medtyp9 = 1.
IF (RANGE(xxmed,100101,100302)) medtyp10 = 1.
IF (RANGE(xxmed,110101,110802,120101,120304)) medtyp11 = 1.
IF (RANGE(xxmed,130100,131400)) medtyp12 = 1.
IF (xxmed=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'.
exe.


COMPUTE numed2 = -9 .
RECODE medcnj (lo thru -2=COPY)(2=0) INTO numed2.
DO IF (medcnj = 1) .
COUNT numed2 = drcd drcd2 drcd3 drcd4 drcd5 drcd6 drcd7 drcd8 drcd9 drcd10 drcd11 drcd12
drcd13 drcd14 drcd15 drcd16 drcd17 drcd18 drcd19 drcd20 drcd21 drcd22 (-9 -8 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'.
```

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

```
* N.B. names in archive dataset for drug code variables were chabged  to match 2003 dataset
after  this syntax was run
* drcd was renamed to medbi01, drcd2 to medbi02 and so on (see variable list)

* prescribed medicines.
do repeat xxx= drcd drcd2 drcd3 drcd4 drcd5 drcd6 drcd7 drcd8 drcd9 drcd10 drcd11 drcd12
drcd13 drcd14 drcd15 drcd16 drcd17 drcd18 drcd19 drcd20 drcd21 drcd22.
recode xxx (sysmis=-1).
end repeat.
DO REPEAT xxdrug=diur beta aceinh calciumb obpdrug lipid iron bpmedc bpmedd.
COMPUTE xxdrug=0.
RECODE drcd (-9 thru -1=COPY) INTO xxdrug.
END REPEAT.
DO REPEAT xxcode=drcd drcd2 drcd3 drcd4 drcd5 drcd6 drcd7 drcd8 drcd9 drcd10 drcd11
drcd12 drcd13 drcd14 drcd15 drcd16 drcd17 drcd18 drcd19 drcd20 drcd21 drcd22.
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=drcd drcd2 drcd3 drcd4 drcd5 drcd6 drcd7 drcd8 drcd9 drcd10 drcd11
drcd12 drcd13 drcd14 drcd15 drcd16 drcd17 drcd18 drcd19 drcd20 drcd21 drcd22.
IF RANGE(xxcode,20201,20208) diur=1.
IF xxcode=20400 beta=1.
IF xxcode=20505 aceinh=1.
IF xxcode=20602 calciumb=1.
```

```
IF ANY(xxcode,20501,20502,20503,20504,20506) obpdrug=1.
IF xxcode=21200 lipid=1.
IF xxcode=90101 iron=1.
END REPEAT.
IF ANY(1,diur,beta,aceinh,calciumb,obpdrug) bpmedc=1.
COUNT #bpdrug=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) & #bpdrug>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'.
```

BLOOD PRESSURE

ADMIN

bprespc (D) Whether BP readings are valid

```
* BPRESPC.
RECODE respbps (1=1)(2,3=4)(4,5,6=6)(-9 thru -1=COPY) into bprespc.
IF ANY(full1om,2,-8,-9) | ANY(full2om,2,-8,-9) | ANY(full3om,2,-8,-9) bprespc=4.
IF (respbps = 1 & any(1,consubx1,consubx2,consubx3,consubx4)) bprespc= 2.
IF (respbps = 1 & ANY(-9,consubx1,consubx2,consubx3,consubx4)) bprespc= 3.
IF (pregntj = 1) bprespc = 5.
VARIABLE LABEL bprespc "(D) Whether BP readings are valid".
VALUE LABELS bprespc value labels bprespc 1 "Valid blood pressure measurement"
                          2"Ate, drank, smoked or exercised in prev 30 min"
                          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"
                          -1"item not applicable"
                         -2"schedule not applicable"
                          -8"don't know"
                          -9"refused".
```

MEASUREMENTS

omdiast (D) Omron Diastolic BP (mean 2nd/3rd) inc. invalid
omsyst (D) Omron Systolic BP (mean 2nd/3rd) inc. invalid
ommap (D) Omron Mean arterial pressure (mean 2nd/3rd) inc. invalid
ompuls (D) Omron Pulse pressure, systolic-diastolic inc. invalid

```
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.
exe.

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

omdiaval (D) Omron Valid Mean Diastolic BP
omsysval (D) Omron Valid Mean Systolic BP
ommapval (D) Omron Valid Mean Arterial Pressure
ompulval (D) Omron Valid Pulse Pressure

```
* DiaVal SysVal MapVal PulVal.
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" .
exe.
```

hyper2om (D) Hypertensive categories: 160/95: all taking BP drugs (Omron readings)
hibp2om (D) Whether hypertensive: 160/95: all taking BP drugs (Omron readings)
hy140om (D) Hypertensive categories:140/90: all prescribed drugs for BP (Omron readings)
hbp140om (D) Whether hypertensive:140/90: all prescribed drugs for BP (Omron readings)
hyper1om (D) Hypertensive categories: 160/95: all prescribed drugs for BP (Omron readings)
hibp1om (D) Whether hypertensive: 160/95: all prescribed drugs for BP (Omron readings)
hy140all (D) Whether hypertensive:140/90: excluding treated hypertension

```
** HYPER2, highbp2 for omron readings.

RECODE bprespc (2 thru 5,-1=-1)(-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 .
RECODE hyper2om (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp2om.
VARIABLE LABELS hyper2om  "(D) Hypertensive categories: all taking BP drugs (Omron
readings)" .
VALUE LABELS hyper2om
                        1 "Normotensive"
                        2 "Hypertensive controlled"
                        3 "Hypertensive uncontrolled"
                        4 "Hypertensive untreated"
                        -1"item not applicable"
                       -7 'Refused, attempted but not obtained, not attempted'.
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'.

freq hyper2om hibp2om.

missing values bprespc bpmedc bpmedd ().

** hyper140 hibp140 for Omron readings.

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"
                        2 "Hypertensive controlled"
                        3 "Hypertensive uncontrolled"
                        4 "Hypertensive untreated"
                        -1"item not applicable"
                       -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'.

** HYPER1, highbp1 for Omron readings.

freq hyper1om hibp1om.

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 .
value labels hyper1om  1 "Normotensive"
                        2 "Hypertensive controlled"
                        3 "Hypertensive uncontrolled"
                        4 "Hypertensive untreated"
                        -1"item not applicable"
                       -7 'Refused, attempted but not obtained, not attempted'.
RECODE hyper1om (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp1om.
VARIABLE LABELS hyper1om "(D) Hypertensive categories: 160/95: all prescribed drugs for BP
(Omron readings)"
 hibp1om "(D) Whether hypertensive: 160/95: all prescribed drugs for BP (Omron readings)"
 hyper2om "(D) Hypertensive categories: 160/95: all taking BP drugs (Omron readings)"
 hibp2om "(D) Whether hypertensive: 160/95: all taking BP drugs (Omron readings)".
VALUE LABELS hibp1om
  0 'Not high BP'
  1 'High BP'
  -7 'Refused, attempted but not obtained, not attempted'.

* EXTRA DV  hy140all.
recode hy140om (1,2=0)(3,4=1) (else=copy) into hy140all.

var label hy140all "(D) Whether hypertensive:140/90: excluding treated hypertension".
value labels hy140all 0"not hypertensive" 1"hypertensive".
```

LUNG FUNCTION

lfok03 (D) Whether lung function is valid
dhtfvc (D) Edited highest satisfactory FVC
dhtfev "(D) Edited highest satisfactory FEV
dhtpf "(D) Edited highest satisfactory PF

```
************************.
* lung function
************************.

missing values LFResp techniq1 techniq2 techniq3 techniq4 techniq5 ().
COMPUTE lfok03 = -1 .
IF ANY(1,techniq1,techniq2,techniq3,techniq4,techniq5) lfok03=1.
IF ANY(lfresp,1,2) & ~ANY(1,techniq1,techniq2,techniq3,techniq4,techniq5) lfok03=2.
IF ANY(hasurg,1,-9,-8) | ANY(haeysurg,1,-9,-8) | ANY(hastro,1,-9,-8) lfok03=4.
RECODE lfresp (3=2) (4,5=5)(-6,-2=COPY) INTO lfok03.
IF (pregntj = 1 & sex=2) & age>=7 lfok03 = 3 .
IF (lfresp = -1 & age < 7) lfok03 = -1 .
If nursint=0 lfok03=-2.
VARIABLE LABEL lfok03 "(D) Whether lung function is valid" .
VALUE LABELS lfok03  1 'Valid lung function measurement'
                2 'Invalid lung function measurement'
                3 'Pregnant'
                4 'Other ineligible'
                5 'Refused, not attempted'
                        -1 'Item not applicable'
                        -2 'Schedule not applicable'.

cro lfok by lfok03.

DO IF lfok03 ~= 1.
DO REPEAT xmax = dhtfvc dhtfev dhtpf.
RECODE lfok03 (2=-8) (3=-1) (4=-1) (-1=-1) (5=-9)(-2=-2) INTO xmax.
END REPEAT.
END IF .
DO IF lfok03 = 1.
COMPUTE dhtfvc=0.
COMPUTE dhtfev=0.
COMPUTE dhtpf=0.
DO IF (TECHNIQ1 = 1).
IF (fvc1 > dhtfvc) dhtfvc = fvc1.
IF (fev1 > dhtfev) dhtfev = fev1.
IF (pf1 > dhtpf) dhtpf = pf1.
END IF.
DO IF (TECHNIQ2 = 1).
IF (fvc2 > dhtfvc) dhtfvc = fvc2.
IF (fev2 > dhtfev) dhtfev = fev2.
IF (pf2 > dhtpf) dhtpf = pf2.
END IF.
DO IF (TECHNIQ3 = 1).
IF (fvc3 > dhtfvc) dhtfvc = fvc3.
IF (fev3 > dhtfev) dhtfev = fev3.
```

```
IF (pf3 > dhtpf) dhtpf = pf3.
END IF.
DO IF (TECHNIQ4 = 1).
IF (fvc4 > dhtfvc) dhtfvc = fvc4.
IF (fev4 > dhtfev) dhtfev = fev4.
IF (pf4 > dhtpf) dhtpf = pf4.
END IF.
DO IF (TECHNIQ5 = 1).
IF (fvc5 > dhtfvc) dhtfvc = fvc5.
IF (fev5 > dhtfev) dhtfev = fev5.
IF (pf5 > dhtpf) dhtpf = pf5.
END IF.
END IF .
VARIABLE LABELS dhtfvc "(D) Edited highest satisfactory FVC"
            /dhtfev "(D) Edited highest satisfactory FEV"
            /dhtpf "(D) Edited highest satisfactory PF" .
```

BLOOD SAMPLE

ADMIN

epildrug (D) Whether on anti-epileptic drugs
epilepsy (D) Whether has epilepsy AND taking anti-epileptic drugs

```
** epildrug.

COMPUTE epildrug=0.
RECODE drcd (-9 thru -1=COPY) INTO epildrug.
DO REPEAT xxcode = drcd drcd2 drcd3 drcd4 drcd5 drcd6 drcd7 drcd8 drcd9 drcd10 drcd11
drcd12 drcd13 drcd14 drcd15 drcd16 drcd17 drcd18 drcd19 drcd20 drcd21 drcd22.
IF xxcode=0 epildrug=-9.
END REPEAT.
DO REPEAT xxcode = drcd drcd2 drcd3 drcd4 drcd5 drcd6 drcd7 drcd8 drcd9 drcd10 drcd11
drcd12 drcd13 drcd14 drcd15 drcd16 drcd17 drcd18 drcd19 drcd20 drcd21 drcd22.
IF ANY(xxcode,40801,40802, 40803) epildrug=1.
END REPEAT.
VARIABLE LABELS epildrug "(D) Whether on anti-epileptic drugs".
VALUE LABELS epildrug
 0 "not taking drug"
 1 "taking drug".

** epilepsy

COMPUTE epilepsy=0.
RECODE epildrug (-9 thru -1=COPY) INTO epilepsy.
IF longill=1 & any(6, illcode1,illcode2,illcode3,illcode4,illcode5,illcode6) & epildrug=1 epilepsy=1.
VARIABLE LABEL epilepsy "(D) Whether has epilepsy AND taking anti-epileptic drugs".
VALUE LABELS epilepsy
           0 "no epilepsy"
           1 "has epilepsy AND taking anti-epileptic drugs".
```

MEASUREMENTS

crpokb (D) Response to C-Reactive Protein sample
crpval (D) Valid CRP Result
crpquin (D) Valid C-reactive protein sex-specific quintile

```
** c-reactive protein.

recode samptak(-2=-2)  (-1=4)(1,2=3) into crpokb.
if bswill=2 crpokb=5.
if crp>0 & crpqual<0 crpokb=1.
variable labels crpokb "(D) Response to C-Reactive Protein sample".
value labels crpokb
 1 "Valid sample"
 3 "Sample not obtained, not usable"
 4 "Ineligible"
 5 "Refused".

compute crpval=-1.
if crpokb=1 crpval=crp.
if nursint=0 crpval=-2.
variable labels crpval "(D) Valid CRP Result".

DO IF sex=1.
RECODE crpval (0 thru 0.5=1) (0.5 thru 1.0=2) (1.0 thru 1.9=3) (1.9 thru 3.7=4)
 (3.7 thru hi=5)(Else=copy)  INTO crpquin.
ELSE IF sex=2.
RECODE crpval (0 thru 0.5=1) (0.5 thru 1.2=2) (1.2 thru 2.4=3) (2.4 thru 4.9=4)
 (4.9 thru hi=5)(Else=copy)  INTO crpquin.
END IF.
VAR LAB crpquin '(D) Valid C-reactive protein sex-specific quintile'.
VAL LAB crpquin
 1 'Bottom'
 2 'Second'
 3 'Middle'
 4 'Fourth'
 5 'Top'.
```

cholok (D) Response to Cholesterol sample
cholval (D) Valid Cholesterol Result
cholval1(D) Valid Cholesterol Result (including those on lld)
cholhi (D) Cholesterol (including on lld) greater than or equal to 5 mmol/l

```
** cholesterol.

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 Cholesterol sample".
value labels cholok
 1 "Valid sample"
 2 "Takes drugs affecting sample"
 3 "Sample not obtained, not usable"
```

```
 4 "Ineligible"
 5 "Refused".

** valid cholesterol results.

compute cholval=-1.
if cholok=1 cholval=cholest.
if nursint=0 cholval=-2.
variable labels cholval "(D) Valid Cholesterol Result".

** valid cholesterol results.

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

recode cholval1 (5 thru hi=1)(0 thru 5=0) (else=copy) into cholhi.
var labels cholhi "(D) Cholesterol (including on lld) greater than or equal to 5 mmol/l".
value labels cholhi 0"less than 5 mmol/l"
                    1"greater than or equal to 5 mmol/l".
```

hdlok (D) Response to HDL Cholesterol sample
hdlval (D) Valid HDL Cholesterol Result
hdlval1 (D) Valid HDL Cholesterol Result (including those on lld)
hdllo (D) HDL cholesterol (including on lld) less than 1 mmol/l

```
*** hdl cholesterol.

recode samptak (-1=4)(-2=-2) (1=1) (2=3) into hdlok.
if (bswill=2) hdlok=5.
if samptak=1 & hdlqual<0 hdlok=1.
if samptak=1  & lipid=1 hdlok=2.
if hdlqual>0 hdlok=3.
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".

* valid HDL cholesterol result.
compute hdlval=-1.
if hdlok=1 hdlval=hdlchol.
if nursint=0 hdlval=-2.
variable labels hdlval "(D) Valid HDL Cholesterol Result".

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

* hdl cholesterol less than 1.0 mmol/l

recode hdlval1 (1 thru hi=1)(0 thru 1=0) (else=copy) into hdllo.
var labels hdllo "(D) HDL cholesterol (including on lld) less than 1 mmol/l".
```

```
value labels hdllo 0"less than 1 mmol/l"
                1"greater than or equal to 1 mmol/l".
```

glyhbok (D) Response to Glycated HB sample
glyhbval (D) Valid Glycated HB Result
glyhbhi (D) Glycated haemoglobin level greater than or equal to 7%
glyhbhi2 (D) Glycated haemoglobin level greater than or equal to 6.5%
glyhbhi3 (D) Glycated haemoglobin level greater than or equal to 6.0%

```
* glycated HB.

missing values ghbqual ().

freq glyhbqual.

recode samptak (-2=-2)(-1=4)(1,2=3) into glyhbok.
if bswill=2 glyhbok=5.
if glyhb>0 & ghbqual<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".
exe.

freq glyhbok.

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

missing values all (lo thru -1).

* glycated haemoglobin level above/below 7% threshold.


recode glyhbval (7 thru hi=1)(0 thru 7=0)(else=copy) into glyhbhi.
var labels glyhbhi "(D) Glycated haemoglobin level greater than or equal to 7%".
value labels glyhbhi 0"less than 7%"
                1"greater than or equal to 7%".

cro glyhbval by glyhbhi.


* glycated haemoglobin level above/below 6.5 % threshold.


recode glyhbval (6.5 thru hi=1)(0 thru 6.5=0)(else=copy) into glyhbhi2.
var labels glyhbhi2 "(D) Glycated haemoglobin level greater than or equal to 6.5%".
value labels glyhbhi2 0"less than 6.5%"
                1"greater than or equal to 6.5%".

cro glyhbval by glyhbhi2.
```

```
* glycated haemoglobin level above/below 6.0 % threshold.


recode glyhbval (6.0 thru hi=1)(0 thru 6.0=0)(else=copy) into glyhbhi3.
var labels glyhbhi3 "(D) Glycated haemoglobin level greater than or equal to 6.0%".
value labels glyhbhi3 0"less than 6.0%"
                      1"greater than or equal to 6.0%".

.
```

fibokb (D) Response to Fibrinogen sample
fibval (D) Valid Fibrinogen Result
fibquin (D) fibrinogen quintile

```
*** fibrinogen.

* drugs affecting sample are beta and lipid.

recode samptak (-2=-2)  (-1=4)(1,2=3) into fibokb.
if bswill=2 fibokb=5.
if fibgen>0 & fibqual<0 fibokb=1.
if fibgen>0 & any(1,beta,lipid) fibokb=2.
if fibokb=3 & age<16 fibokb=4.
variable labels fibokb "(D) Response to Fibrinogen sample".
value labels fibokb
 1 "Valid sample"
 2 "Takes drugs affecting sample"
 3 "Sample not obtained, not usable"
 4 "Ineligible"
 5 "Refused".


compute fibval=-1.
if fibokb=1 fibval=fibgen.
if nursint=0 fibval=-2.
variable labels fibval "(D) Valid Fibrinogen Result".

COMPUTE fibquin=-1.
DO IF sex=1.
        RECODE fibval (0 thru 2.00=1) (2.01 thru 2.30=2) (2.31 thru 2.70=3) (2.71 thru 3.10=4)
        (3.11 thru hi=5) (else=copy) INTO fibquin.
  ELSE IF sex=2.
        RECODE fibval (0 thru 2.20=1) (2.21 thru 2.50=2) (2.51 thru 2.90=3) (2.91 thru 3.30=4)
        (3.31 thru hi=5) (else=copy) INTO fibquin.
END IF.
VAR LAB fibquin '(D) fibrinogen quintile'.
VAL LAB fibquin 1 'Bottom'  2  'Second' 3 'Middle' 4 'Fourth' 5 'Top'.
```

SALIVA

nicuseb (D) Used nicotine products in last 7 days
cotval (D) Valid cotsal (saliva)
cot15val (D) Valid cotsal (saliva): 0<15,15+

```
* nicuseb

compute nursint=1.
if missing (nurs11wt)nursint=0.
freq nursint.

missing values useNRT1 useNRT2 UseNRT3 useNRT4 Smoke1 Smoke2 Smoke3 Smoke4
smokeyr ().

freq useNRT1 smoke1.

COMPUTE nicuseb=2.
RECODE useNRT1 (lo thru -1=COPY) INTO nicuseb.
IF ANY (1, useNRT1, useNRT2, UseNRT3, useNRT4)nicuseb=1.
IF ANY (-9, useNRT1, useNRT2, UseNRT3, useNRT4)nicuseb=1.
IF (nursint=0) nicuseb=-2.
VARIABLE LABEL nicuseb "(D) Used nicotine products in last 7 days".
VALUE LABELS nicuseb
  1 "Uses nicotine products"
  2 "Doesn't use nicotine products".

cro nicuseb by smoke4 by smokeyr.

missing values useNRT1  useNRT2 UseNRT3 useNRT4 Smoke1 Smoke2 Smoke3 Smoke4
smokeyr nicuseb (lo thru -1).

freq nicuseb.

missing values nicuseb ().

temp.
select if nicuseb=-1.
freq smoke4 smokeyr.
missing values cotsal ().

COMPUTE cotval=cotsal.
IF nicuseb=1 cotval=-90.
IF (nurind=0 or age lt 16) cotval=-2.
RECODE cotsal (998, 999=-8) into cotval.
VARIABLE LABEL cotval "(D) Valid cotsal (saliva)".
VALUE LABELS cotval
  -90 "Use nicotine products"
  -8 "insufficient sample/no sample received".
RECODE cotval (lo thru -1=COPY)(15 thru hi=2)(0 thru 15=1) INTO cot15val.
VARIABLE LABEL cot15val "(D) Valid cotsal (saliva): 0<15,15+".
VALUE LABELS cot15val
    1 "0<15 ng/ml"
    2 "15+ ng/ml"
   -1 "item not applicable"
   -2 "schedule not applicable"
   -8 "insufficient sample/no sample received"
```

```
  -90 "Use nicotine products".

missing values cotsal cotval cot15val (lo thru -1).
```

KNOWLEDGE ATTITUDES AND MOTIVATIONS TO HEALTH (KAM)

INFLUENCING HEALTH BEHAVIOUR

ownheal (D) (KAM) Ability to influence own health
chilheal (D) (KAM) Ability to influence child health

```
*************************************************************************************************************.
DV - Anything can do to make own life healthier.
*************************************************************************************************************.

missing vals qghan qghcant ().
fre qghan qghcant.

compute ownheal=0.
if kamresp ne 1 ownheal=-2.
if kage1675=-1 ownheal=-1.
if qghan=1 ownheal=1.
if qghcant=1 ownheal=2.
if qghcant=2 ownheal=3.
if qghcant=3 ownheal=4.
if qghan=-8 or qghcant=-8 ownheal=-8.
if qghan=-9 or qghcant=-9 ownheal=-9.
var lab ownheal 'Ability to influence own health'.
val lab ownheal 1'Yes' 2'No already lead healthy life' 3'No dont want to make changes to life'
   4'No too difficult to do anything' -8'DK'.
fre ownheal.

cro ownheal by qghan qghcant.
missing values qghan qghcant ownheal (lo thru -1).


*************************************************************************************************************.
DV - Anything can do to make child/ren's life healthier.
*************************************************************************************************************.

missing vals qghan2 qghcant2 ().
fre qghan2 qghcant2.

compute chilheal=0.
if kamresp ne 1 chilheal=-2.
if kage1675=-1 chilheal=-1.
if qghan2=-1 and qghcant2=-1 chilheal=-3.
if qghan2=1 chilheal=1.
if qghcant2=1 chilheal=2.
if qghcant2=2 chilheal=3.
if qghcant2=3 chilheal=4.
if qghan2=-8 or qghcant2=-8 chilheal=-8.
if qghan2=-9 or qghcant2=-9 chilheal=-9.
var lab chilheal 'Ability to influence child health'.
```

```
val lab chilheal 1'Yes' 2'No child already healthy' 3'No dont want to changes child life'
   4'No too diff to do any for child' -8'DK' -3'not applic'.
fre chilheal.

cro chilheal by qghan2 qghcant2.

temp.
sel if qghan2 =-1.
list qghan2 age kamresp.

missing vals chilheal (lo thru -1).
```

ALCOHOL

dailmen (D) (KAM) Awareness of daily units for men
dailwom (D) (KAM) Awareness of daily units for women
dailunit (D) (KAM) Knowledge of daily units for own sex
bingmen (D) (KAM) Awareness of max units in session for men
bingwom (D) (KAM) Awareness of max units in session for women
bingunit (D) (KAM) Awareness of max units in session for own sex
alcweek (D) (KAM) Awareness of non-drinking days per week
alclimLW (D) Whether exceded daily government recommendations on alcohol consumption last week
alclim (D) Whether exceeding government recommendations on alcohol consumption
Alcmot (D) (KAM) Motivation to reduce drinking

```
*****************************************.
dailmen-Awareness of daily units for men.
*****************************************.

fre QalMd qalcr Qalal.
missing values QalMd qalcr Qalal ().

compute dailmen=0.
if kamresp ne 1 dailmen=-2.
if kage1675=-1 dailmen=-2.
if (range(QalMd,0,3)) dailmen=1.
if QalMd=4 dailmen=2.
if (range(qalmd,5,28)) dailmen=3.
if qalmd=-8 dailmen=4.
if qalcr=2 dailmen=5.
if qalcr=-8 dailmen=5.
if Qalal=2 dailmen=6.
if Qalal=-8 dailmen=6.
if Qalal=-9 dailmen=-9.
if Qalal=-1 dailmen=-2.
var lab dailmen 'awareness of daily units for men'.
val labs dailmen 1'Below daily recomm' 2'daily recomm' 3'above daily recomm' 4'dk daily recomm'
5'not heard or DK daily adv' 6'not heard of or dk units'.
exe.
fre dailmen.

cro dailmen by Qalal QalMd qalcr.
missing values dailmen Qalal QalMd qalcr (lo thru -1).
```

```
*****************************************.
dailmen-Awareness of daily units for women.
*****************************************.
fre Qalwd qalcr Qalal.
missing values Qalwd qalcr Qalal ().

compute dailwom=0.
if kamresp ne 1 dailwom=-2.
if kage1675=-1 dailwom=-2.
if (range(Qalwd,0,2)) dailwom=1.
if Qalwd=3 dailwom=2.
if (range(qalwd,4,21)) dailwom=3.
if qalwd=-8 dailwom=4.
if qalcr=2 dailwom=5.
if qalcr=-8 dailwom=5.
if Qalal=2 dailwom=6.
if Qalal=-8 dailwom=6.
if Qalal=-9 dailwom=-9.
if Qalal=-1 dailwom=-2.
var lab dailwom 'awareness of daily units for women'.
val labs dailwom 1'Below daily recomm' 2'daily recomm' 3'above daily recomm' 4'dk daily
recomm'
5'not heard or DK daily adv' 6'not heard of or dk units'.
exe.
fre dailwom.

cro dailwom by Qalal Qalwd qalcr.
missing values dailwom Qalal Qalwd qalcr (lo thru -1).

*****************************************.
Dailunit - Awareness of daily units (of own sex).
*****************************************.
missing values dailmen dailwom ().
cro dailmen by dailwom/cells=count column.

compute dailunit=0.
if (sex=1 and dailmen=1) dailunit=1.
if (sex=2 and dailwom=1) dailunit=1.
if (sex=1 and dailmen=2) dailunit=2.
if (sex=2 and dailwom=2) dailunit=2.
if (sex=1 and dailmen=3) dailunit=3.
if (sex=2 and dailwom=3) dailunit=3.
if (sex=1 and dailmen=4) dailunit=4.
if (sex=2 and dailwom=4) dailunit=4.
if (dailmen=5 and dailwom=5) dailunit=5.
if (dailmen=6 and dailwom=6) dailunit=6.
if (dailmen=-9 and dailwom=-9) dailunit=-9.
if (dailmen=-2 and dailwom=-2) dailunit=-2.
exe.
fre dailunit.
cro dailunit by dailmen.

missing values dailmen dailwom dailunit (lo thru -1).
var labs dailunit "(D) Knowledge of daily units for own sex".
val labs dailunit 1'Below daily recomm' 2'daily recomm' 3'above daily recomm' 4'dk daily recomm'
```

```
5'not heard or DK daily adv' 6'not heard of or dk units'.
fre dailunit dailmen dailwom.

*****************************************.
Bingmen-Awareness of maximum number of units in a single session for men.
*****************************************.

fre qalal qalbd qalmbd.
missing values QalMbd qalbd Qalal ().

compute bingmen=0.
if kamresp ne 1 bingmen=-2.
if kage1675=-1 bingmen=-2.
if (range(QalMbd,0,7)) bingmen=1.
if QalMbd=8 bingmen=2.
if (range(qalmbd,9,30)) bingmen=3.
if qalmbd=-8 bingmen=4.
if qalmbd=-9 bingmen=-9.
if qalbd=2 bingmen=5.
if qalbd=-8 bingmen=5.
if Qalal=2 bingmen=6.
if Qalal=-8 bingmen=6.
if Qalal=-9 bingmen=-9.
if Qalal=-1 bingmen=-2.
var lab bingmen '(D) Awareness of max units in session for men'.
val labs bingmen 1'Below session recomm' 2'session recomm' 3'above session recomm' 4'dk
session recomm'
5'not heard or dk session adv' 6'not heard or dk of units'.
exe.
fre bingmen.
cro bingmen by Qalal QalMbd qalbd.
missing values bingmen Qalal QalMbd qalbd (lo thru -1).

*****************************************.
Bingwom-Awareness of maximum number of units in a single session for women.
*****************************************.

fre qalal qalbd qalwbd.
missing values Qalwbd qalbd Qalal ().

compute bingwom=0.
if kamresp ne 1 bingwom=-2.
if kage1675=-1 bingwom=-2.
if (range(Qalwbd,0,5)) bingwom=1.
if Qalwbd=6 bingwom=2.
if (range(qalwbd,7,25)) bingwom=3.
if qalwbd=-8 bingwom=4.
if qalwbd=-9 bingwom=-9.
if qalbd=2 bingwom=5.
if qalbd=-8 bingwom=5.
if Qalal=2 bingwom=6.
if Qalal=-8 bingwom=6.
if Qalal=-9 bingwom=-9.
if Qalal=-1 bingwom=-2.
var lab bingwom '(D) Awareness of max units in session for women'.
val labs bingwom 1'Below session recomm' 2'session recomm' 3'above session recomm' 4'dk
```

```
session recomm'
5'not heard or dk session adv' 6'not heard or dk of units'.
exe.
fre bingwom.

cro bingwom by Qalal Qalwbd qalbd.
missing values bingwom Qalal Qalwbd qalbd (lo thru -1).

*****************************************.
Bingunit -Awareness of maximum number of units in a single session for own sex.
*****************************************.

missing values bingmen bingwom ().
cro bingmen by bingwom.

compute bingunit=0.
if (sex=1 and bingmen=1) bingunit=1.
if (sex=2 and bingwom=1) bingunit=1.
if (sex=1 and bingmen=2) bingunit=2.
if (sex=2 and bingwom=2) bingunit=2.
if (sex=1 and bingmen=3) bingunit=3.
if (sex=2 and bingwom=3) bingunit=3.
if (sex=1 and bingmen=4) bingunit=4.
if (sex=2 and bingwom=4) bingunit=4.
if (bingmen=5 and bingwom=5) bingunit=5.
if (dailmen=6 and bingwom=6) bingunit=6.
if (bingmen=-9 and bingwom=-9) bingunit=-9.
if (bingmen=-2 and bingwom=-2) bingunit=-2.
exe.
var lab bingunit '(D) Awareness of max units in session for own sex'.
val labs bingunit 1'Below session recomm' 2'session recomm' 3'above session recomm' 4'dk
session recomm'
5'not heard or dk session adv' 6'not heard or dk of units'.
fre bingunit.
missing values bingunit bingmen bingwom (lo thru -1).


*****************************************.
AlcWeek-Awareness of government advice on alcohol free days per week..
*****************************************.

fre qalfd qalfdn .
missing values qalfd qalfdn ().

compute alcweek=0.
if kamresp ne 1 alcweek=-2.
if kage1675=-1 alcweek=-2.
if Qalfd=2 alcweek=1.
if Qalfd=-8 alcweek=1.
if Qalfd=-9 alcweek=-9.
if Qalfd=-1 alcweek=-2.
if qalfd=1 and qalfdn=-8 alcweek=2.
if qalfdn=1 alcweek=3.
if qalfdn=2 alcweek=4.
if qalfdn=3 alcweek=5.
if qalfdn=4 alcweek=6.
```

```
if qalfdn=5 alcweek=7.
if qalfdn=6 alcweek=8.
if qalfdn=7 alcweek=9.
exe.

var lab alcweek '(D) Awareness of non-drinking days per week'.
val labs alcweek 1'Not heard of non-drinking days adv' 2'Heard but dk no alc free days' 3'0-1
days' 4'1-2 days' 5'2-3 days' 6'3-4 days' 7'4-5 days' 8'5-6 days' 9'6-7 days'.
fre alcweek.
cro alcweek by qalfd qalfdn.

missing values alcweek qalfd qalfdn dnevr (lo thru -1).
fre alcweek.

missing values alcbsmt alcbswt d7day overlim dlimt4v2 dlimt3v2 ().
compute alclim=-1.

* MEN.
DO IF SEX=1.
if (dlimt4v2=1 OR overlim=1)alclim=3.
if (dlimt4v2=0) AND (overlim=0) alclim=4.
if d7day=2 AND overlim=0 alclim=4.
if (alcbsmt=1) alclim=1.
if (alcbsmt=2) alclim=2.
if any (-9,alcbsmt,d7day,overlim,dlimt4v2 )alclim=-9.
if any (-8,alcbsmt,d7day,overlim,dlimt4v2 )alclim=-8.
END IF.

* WOMEN.

DO IF SEX=2.
if (dlimt3v2=1 OR overlim=1)alclim=3.
if (dlimt3v2=0 AND overlim=0) alclim=4.
if d7day=2 AND overlim=0 alclim=4.
if (alcbswt=1) alclim=1.
if (alcbswt=2) alclim=2.
if any (-9,alcbswt,d7day,overlim,dlimt3v2 )alclim=-9.
if any (-8,alcbswt,d7day,overlim,dlimt3v2 )alclim=-8.
END IF.


if age lt 16 alclim=-2.
exe.

var label alclim "Whether exceeding government recommendations on alcohol consumption".
value labels alclim 1 "Never drunk alcohol"
            2 "Ex drinker"
            3 "Drinks outwith government guidelines"
            4 "Drinks within government guidelines"
           -1 "Item not applicable"
           -2 "Schedule not applicable"
           -8 " Don't know"
           -9 "Refused".

missing values d7day  d7ut08_2 d7ut08g_2 alclimlw ().
```

```
compute alclimLW=-5.

* MEN.
DO IF SEX=1.
if (d7ut08g_2 gt 3)alclimLW=4.
if (d7ut08g_2 gt 0 and d7ut08g_2 le 3)alclimLW=5.
if (d7ut08g_2=0) alclimLW=3.
if (dnevr=1) alclimLW=1.
if (dnevr=2) alclimLW=2.
if (d7ut08g_2 lt 0)alclimLW=d7ut08g_2.
if age lt 16 alclimLW=-2.
END IF.

temp.
select if sex=1.
cro d7ut08g_2 by alclimLW.


* WOMEN.

DO IF SEX=2.
if (d7ut08g_2 gt 2)alclimLW=4.
if (d7ut08g_2 gt 0 and d7ut08g_2 le 2)alclimLW=5.
if (d7ut08g_2=0) alclimLW=3.
if (dnevr=1) alclimLW=1.
if (dnevr=2) alclimLW=2.
if (d7ut08g_2 lt 0)alclimLW=d7ut08g_2.
if age lt 16 alclimLW=-2.
END IF.


temp.
select if sex=2.
cro alclimLW by d7ut08g_2.

if
var label alclimLW "Proportion exceeding daily government recommendations on alcohol
consumption".
value labels alclimLW 1 "Never drunk alcohol"
            2 "Ex drinker"
                3 "Did not drink last week"
            4 "Drank outwith daily government guidelines last week"
            5 "Drank within daily government guidelines last week"
           -1 "Item not applicable"
          -2 "Schedule not applicable"
          -6"Schedule not obtained"
          -8 " Don't know"
          -9 "Refused".

******* REDUCE DRINKING ********************************

** creating intermediary DVs x_Alc... = combinations of
* Qgh..13 'Cut down drinking' and Qgh..14 'Stop drinking':
* If any of those 2 is mentioned then x_Alc.. is mentioned.
* if none mentioned then x_Alc.. = 0
* using COMPUTE below to keep same base as KAM respondents
```

```
COMPUTE x_AlcCont=0.
COMPUTE x_AlcPrep=0.
COMPUTE x_AlcAct=0.
COMPUTE x_AlcMain=0.
Exe.
IF (KAMresp=0) x_AlcCont=-1.
IF (KAMresp=0) x_AlcPrep=-1.
IF (KAMresp=0) x_AlcAct=-1.
IF (KAMresp=0) x_AlcMain=-1.
Exe.

FREQ x_Alccont x_AlcPrep x_AlcAct x_AlcMain.

IF ANY(1,Qghli13,Qghli14) x_AlcCont=1.
IF ANY(1,Qghth13,Qghth14) x_AlcPrep=1.
IF ANY(1,Qghpa13,Qghpa14) x_AlcAct=1.
IF ANY(1,Qghma13,Qghma14) x_AlcMain=1.
Exe.

FREQ x_Alccont x_AlcPrep x_AlcAct x_AlcMain.

* Checking these intermediary vars via X-tabs with their constituent variables:

MISSING VALUES Qghli13 Qghli14 ().
CRO x_AlcCont by Qghli13 by Qghli14.
MISSING VALUES Qghli13 Qghli14 (-9 thru -1).

MISSING VALUES Qghth13 Qghth14 ().
CRO x_AlcPrep by Qghth13 by Qghth14.
MISSING VALUES Qghth13 Qghth14 (-9 thru -1).

MISSING VALUES Qghpa13 Qghpa14 ().
CRO x_AlcAct by Qghpa13 by Qghpa14.
MISSING VALUES Qghpa13 Qghpa14 (-9 thru -1).

MISSING VALUES Qghma13 Qghma14 ().
CRO x_AlcMain by Qghma13 by Qghma14.
MISSING VALUES Qghma13 Qghma14 (-9 thru -1).

* computing Drinking Reduction DV Alcmot:

compute Alcmot=0.
Exe.
IF (KAMresp=0) Alcmot=-1.
if (x_AlcCont=1) and (x_AlcPrep=1) and (x_AlcAct=1) and (x_AlcMain=1) Alcmot=5.
if (x_AlcCont=1) and (x_AlcPrep=1) and (x_AlcAct=1) and (x_AlcMain=0) Alcmot=4.
if (x_AlcCont=1) and (x_AlcPrep=1) and (x_AlcAct=0) Alcmot=3.
if (x_AlcCont=1) and (x_AlcPrep=0) and (x_AlcAct=1) and (x_AlcMain=1) Alcmot=5.
if (x_AlcCont=1) and (x_AlcPrep=0) and (x_AlcAct=1) and (x_AlcMain=0) Alcmot=4.
if (x_AlcCont=1) and (x_AlcPrep=0) and (x_AlcAct=0) Alcmot=2.
if (x_AlcCont=0) and (x_AlcAct=1) and (x_AlcMain=1) Alcmot=5.
if (x_AlcCont=0) and (x_AlcAct=1) and (x_AlcMain=0) Alcmot=4.
if (x_AlcCont=0) and (x_AlcAct=0) Alcmot=1.
Exe.
```

```
freq alcbase.

RECODE Alcmot (1=1) (else=-1) INTO Temp.
IF (Temp=1) AND (overlim=0) AND ((dlimt4v2=0) OR (dlimt3v2=0)) Alcmot=6.
Exe.

freq alcmot.

missing values alcmot dlimt4v2 dlimt3v2 overlim ().

temp.
select if sex=1 and kamresp=1.
cro alcmot by dlimt4v2 by overlim.

temp.
select if sex=2 and kamresp=1.
cro alcmot by dlimt3v2 by overlim.


var lab Alcmot '(D) Motivation to reduce drinking'.
val labs Alcmot
1 'Pre-contemplation'
2 'Contemplation'
3 'Preparation'
4 'Action'
5 'Maintenance'
6 'Long-term maintenance'
-1 'Not applicable'.
FORMATS Alcmot (F2.0).
MISSING VALUES Alcmot (-9 thru -1).

fre alcmot.

miss vals x_AlcCont x_AlcPrep x_AlcAct x_AlcMain (-9 thru -1).
```

SMOKING

Smokmot (D) Motivation to reduce smoking

```
******* REDUCE SMOKING ********************************

** creating intermediary DVs x_Smok... = combinations of
* Qgh..11 'Cut down smoking' and Qgh..12 'Stop smoking':
* If any of those 2 is mentioned then x_SmokRe1/2/3/4 is mentioned.
* if none mentioned then x_SmokRe1/2/3/4 = 0
* using COMPUTE below to keep same base as KAM respondents

COMPUTE x_SmokCont=0.
COMPUTE x_SmokPrep=0.
COMPUTE x_SmokAct=0.
COMPUTE x_SmokMain=0.
Exe.
IF (KAMresp=0) x_SmokCont=-1.
IF (KAMresp=0) x_SmokPrep=-1.
```

```
IF (KAMresp=0) x_SmokAct=-1.
IF (KAMresp=0) x_SmokMain=-1.
Exe.

FREQ x_Smokcont x_SmokPrep x_SmokAct x_SmokMain.
* all valid counts 3869 OK

IF ANY(1,Qghli11,Qghli12) x_SmokCont=1.
IF ANY(1,Qghth11,Qghth12) x_SmokPrep=1.
IF ANY(1,Qghpa11,Qghpa12) x_SmokAct=1.
IF ANY(1,Qghma11,Qghma12) x_SmokMain=1.
Exe.

FREQ x_Smokcont x_SmokPrep x_SmokAct x_SmokMain.
* 689 mentioned at Cont / 472 at Prep / 589 at Action / 205 at Maint

** computing Smoking Reduction DV Smokmot:

compute Smokmot=0.
Exe.
IF (KAMresp=0) Smokmot=-1.
if (x_SmokCont=1) and (x_SmokPrep=1) and (x_SmokAct=1) and (x_SmokMain=1) Smokmot=5.
if (x_SmokCont=1) and (x_SmokPrep=1) and (x_SmokAct=1) and (x_SmokMain=0) Smokmot=4.
if (x_SmokCont=1) and (x_SmokPrep=1) and (x_SmokAct=0) Smokmot=3.
if (x_SmokCont=1) and (x_SmokPrep=0) and (x_SmokAct=1) and (x_SmokMain=1) Smokmot=5.
if (x_SmokCont=1) and (x_SmokPrep=0) and (x_SmokAct=1) and (x_SmokMain=0) Smokmot=4.
if (x_SmokCont=1) and (x_SmokPrep=0) and (x_SmokAct=0) Smokmot=2.
if (x_SmokCont=0) and (x_SmokAct=1) and (x_SmokMain=1) Smokmot=5.
if (x_SmokCont=0) and (x_SmokAct=1) and (x_SmokMain=0) Smokmot=4.
if (x_SmokCont=0) and (x_SmokAct=0) Smokmot=1.
Exe.

RECODE Smokmot (1=1) (else=-1) INTO Temp.
IF (Temp=1) AND ((cigst1=1) OR (cigst1=2) OR (cigst1=3)) Smokmot=6.
Exe.

var lab Smokmot '(D) Motivation to reduce smoking'.
val labs Smokmot
1 'Pre-contemplation'
2 'Contemplation'
3 'Preparation'
4 'Action'
5 'Maintenance'
6 'Long-term maintenance (non-smokers)'
-1 'Not applicable'.
FORMATS Smokmot (F2.0).
MISSING VALUES Smokmot (-9 thru -1).
fre Smokmot.
```

DIET

KNOWFRU (D) (KAM) Knowledge of fruit and vegetable recommendations
eatmot (D) (KAM) Motivation to eat more healthily
UNSUP (D) (KAM) Barriers to healthy eating - family, friends or colleagues unsupportive

```
*****************************************.
KNOWLEDGE OF 5 A DAY.
*****************************************.

missing values Qnuto ().

COMPUTE KNOWFRU=0.
IF (KAMresp=0) KNOWFRU=-1.
if (RANGE(Qnuto,0,4)) knowfru=2.
if Qnuto=5 Knowfru=1.
if (RANGE(Qnuto,6,56)) knowfru=3.
if Qnuto=-8 knowfru=-8.
if Qnuto=-9 knowfru=-9.
EXE.
var lab knowfru '(D) Knowledge of fruit and vegetable recommendations'.
val labs knowfru 2 'Underestimate (0-4 portions)' 1 'Correct (5 portions)' 3 'Overestimate (>=6
portions)' -8 'DK' -9 'Ref'.
missing values knowfru (LO THRU -1).
FORMATS knowfru (F2.0).
fre knowfru.

*****************************************.
MERGED FIRST THREE CATEGORIES OF BARRIERS TO HEALTHY EATING VAR.
*****************************************.

FRE qnubar1 qnubar2 qnubar3 .

MISSING VALUES qnubar1 TO qnubar3 ().

COMPUTE UNSUP=0.
IF ANY (1,qnubar1, qnubar2, qnubar3) UNSUP=1.
IF qnubar1=-8 UNSUP=-8.
IF qnubar1=-9 UNSUP=-9.
IF qnubar1=-1 UNSUP=-1.
IF qnubar1=-2 UNSUP=-2.
EXE.
VAR LAB UNSUP '(D) Barriers to healthy eating - family, friends or colleagues unsupportive'.
VAL LABS UNSUP 1 'Mentioned' 0 'Not mentioned'.
formats unsup (f2.0).

MISS VALS UNSUP qnubar1 qnubar2 qnubar3 (LO THRU -1).
FRE UNSUP qnubar3 .

CRO UNSUP BY qnubar1 qnubar2 qnubar3 .

******* EATING MORE HEALTHILY *********************************
miss vals qghli17 qghth17 qghpa17 qghma17 ().
compute eatmot=0.
Exe.
IF (KAMresp=0) eatmot=-1.
```

```
if (qghli17=1) and (qghth17=1) and (qghpa17=1) and (qghma17=1) eatmot=5.
if (qghli17=1) and (qghth17=1) and (qghpa17=1) and (qghma17=0) eatmot=4.
if (qghli17=1) and (qghth17=1) and (qghpa17=0) eatmot=3.
if (qghli17=1) and (qghth17=0) and (qghpa17=1) and (qghma17=1) eatmot=5.
if (qghli17=1) and (qghth17=0) and (qghpa17=1) and (qghma17=0) eatmot=4.
if (qghli17=1) and (qghth17=0) and (qghpa17=0) eatmot=2.
if (qghli17=0) and (qghpa17=1) and (qghma17=1) eatmot=5.
if (qghli17=0) and (qghpa17=1) and (qghma17=0) eatmot=4.
if (qghli17=0) and (qghpa17=0) eatmot=1.
Exe.
IF (qghli17=0) and (qghpa17=-8) eatmot=1.
IF (qghli17=1) and (qghth17=-8) and (qghpa17=0) eatmot=2.
IF (qghli17=-8) and (qghpa17=0) eatmot=1.
IF (qghli17=1) and (qghth17=-8) and (qghpa17=1) and (qghma17=0) eatmot=4.
IF (qghli17=-9) eatmot=-1.
Exe.

RECODE eatmot (1=1) (else=-1) INTO Temp.
IF (Temp=1) AND (porftvg3=2) eatmot=6.
Exe.

var lab eatmot '(D) Motivation to eat more healthily'.
val labs eatmot
1 'Pre-contemplation'
2 'Contemplation'
3 'Preparation'
4 'Action'
5 'Maintenance'
6 'Long-term maintenance (eats 5 a day)'
-1 'Not applicable'.
FORMATS eatmot (F2.0).
MISSING VALUES eatmot (-9 thru -1).
fre eatmot.

miss vals qghli17 qghth17 qghpa17 qghma17 (-9 thru -1).
```

PHYSICAL ACTIVITY

phytarg (D) (KAM) Knowledge of phys act guidelines (mins & days)
phymot (D) (KAM) Motivation to be more physically active
OTHPBA (D) (KAM) Barriers to phys activity - transport/traffic/safety/skills/confidence/other

```
*CREATING NEW PHYTARG FOR 2009.

FRE qpamo .

MISSING VALUES qpamo ().
RECODE qpamo (-1, -2=0) (ELSE=1) INTO KAMRESP.
FRE KAMRESP.

*recode of mins per day.

missing values qpamo ().
fre qpamo.
```

```
compute phymins=-99.
IF KAMRESP=0 PHYMINS=-1.
if (RANGE(qpamo,0,29)) phymins=1.
if qpamo=30 phymins=2.
if (RANGE(qpamo,31,360)) phymins=3.
missing values qpamo ().
if qpamo=-8 phymins=-8.
if qpamo=-9 phymins=-9.
fre phymins.
var lab phymins '(D) Knowledge of recommended mins exercise per day'.
val labs phymins 1 'Less than 30mins' 2 '30 mins' 3 'Over 30mins' -8 'DK' -9 'REF'.
fre phymins.


*recode of days per week.
missing vals qpamoti qpamo ().
fre qpamoti.

compute phydays=0.
IF KAMRESP=0 phydays=-1.
if (RANGE(qpamoti,1,4)) phydays=1.
if qpamoti=5 phydays=2.
if qpamoti=6 phydays=3.
if qpamoti=7 phydays=3.
if qpamoti=-8 phydays=-8.
if qpamo=-8 phydays=-8.
if qpamo=-9 phydays=-9.
var lab phydays '(D) Knowledge of recommended days exercise per week'.
val labs phydays 1 'Under 5 days' 2 '5 days'  3 '6 days or more' -8 'DK mins or days'.
miss vals phydays ().
fre phydays.


recode phymins (1=1)(2,3=2)(-8=3)(else=copy) into phymins2.
val labs phymins2 1 'less than 30 mins'  2 '30 mins or more' 3 'DK'.
missing values phymins2 (lo thru -1).
fre phymins phymins2.

recode phydays (1=1)(2,3=2)(-8=3)(else=copy) into phydays2.
val labs phydays2 1 'less than 5' 2 '5 or more'  3 'DK'.
missing values phydays2 (lo thru -1).
fre phydays phydays2.

missing values phymins phydays2 ().
cro phymins by phydays2 .

compute phytarg=0.
IF KAMRESP=0 phytarg=-1.
if phymins=1 and phydays2=1 phytarg=1.
if phymins=1 and phydays2=2 phytarg=1.
if phymins=2 and phydays2=1 phytarg=1.
if phymins=2 and phydays2=2 phytarg=2.
if phymins=3 and phydays2=1 phytarg=1.
if phymins=3 and phydays2=2 phytarg=3.
if phymins=-8 or phydays2=3 phytarg=4.
if phymins=-9 phytarg=-9.
```

```
var lab phytarg '(D) Knowledge of phys act guidelines (mins & days)'.
val lab phytarg 1 'less than recommended guidelines' 2 '30 mins on 5+days' 3 'More than
recommended guidelines' 4 'Does not know guidelines'.
formats phytarg (f2.0).
miss vals phytarg (lo thru -1).
fre phytarg.


****************************************.
MERGED CATEGORIES OF BARRIERS TO PHYS ACT VAR.
****************************************.

*FROM David Gordon: Combine lack of transport; traffic, road safety etc; skills/confidence as a
single category 'other'.

*transport=qpabarr9
traffic etc=qpabar11
skills=qpabar13
other=qpabar15.

fre qpabarr9 qpabar11 qpabar13 qpabar15.
fre qpabarr1 TO qpabar15.

miss vals qpabarr9 qpabar11 qpabar13 qpabar15 ().

COMPUTE OTHPBA=0.
IF ANY (1, qpabarr9,qpabar11,qpabar13,qpabar15) OTHPBA=1.
IF qpabarr9=-8 OTHPBA=-8.
IF qpabarr9=-9 OTHPBA=-9.
IF qpabarr9=-1 OTHPBA=-1.
IF qpabarr9=-2 OTHPBA=-2.
EXE.
VAR LAB OTHPBA '(D) Barriers to phys activity - transport/traffic/safety/skills/confidence/other'.
VAL LABS OTHPBA 1 'Mentioned' 0 'Not mentioned'.
formats OTHPBA (f2.0).
fre OTHPBA .

MISS VALS OTHPBA qpabarr9 qpabar11 qpabar13 qpabar15 (LO THRU -1).
FRE OTHPBA.

CRO UNSUP BY qnubar1 qnubar2 qnubar3 .

******* PHYSICAL ACTIVITY **********

[
miss vals qghli15 qghth15 qghpa15 qghma15 ().
compute phymot=0.
IF (KAMresp=0) phymot=-1.
Exe.
if (qghli15=1) and (qghth15=1) and (qghpa15=1) and (qghma15=1) phymot=5.
if (qghli15=1) and (qghth15=1) and (qghpa15=1) and (qghma15=0) phymot=4.
if (qghli15=1) and (qghth15=1) and (qghpa15=0) phymot=3.
if (qghli15=1) and (qghth15=0) and (qghpa15=1) and (qghma15=1) phymot=5.
if (qghli15=1) and (qghth15=0) and (qghpa15=1) and (qghma15=0) phymot=4.
if (qghli15=1) and (qghth15=0) and (qghpa15=0) phymot=2.
if (qghli15=0) and (qghpa15=1) and (qghma15=1) phymot=5.
```

```
if (qghli15=0) and (qghpa15=1) and (qghma15=0) phymot=4.
if (qghli15=0) and (qghpa15=0) phymot=1.
Exe.
if (qghli15=1) and (qghth15=-8) and (qghpa15=1) and (qghma15=0) phymot=4.
IF (qghli15=0) and (qghpa15=-8) phymot=1.
IF (qghli15=-8) and (qghpa15=0) phymot=1.
IF (qghli15=1) and (qghth15=-8) and (qghpa15=0) and (qghma15=-1) phymot=1.
IF (qghli15=1) and (qghth15=-8) and (qghpa15=0) and (qghma15=0) phymot=1.
IF (qghli15=-9) phymot=-1.


Exe.

RECODE phymot (1=1) (else=-1) INTO Temp.
IF (Temp=1) AND (adt10gp=3) phymot=6.
Exe.

var lab phymot '(D) Motivation to be more physically active'.
val labs phymot 1'Pre-contemplation' 2'Contemplation' 3'Preparation' 4'Action' 5'Maintenance' 6
'Long-term maintenance (meets PA recommendations)' -1 'Not applicable' .
FORMATS phymot (F2.0).
MISSING VALUES phymot (-9 thru -1).
```

WEIGHT

weimot (D) Motivation to control weight
cbmigR (D) Child BMI - within or outwith healthy weight

```
********** CONTROL WEIGHT ******************************

miss vals qghli16 qghth16 qghpa16 qghma16 ().
compute weimot=0.
Exe.
IF (KAMresp=0) weimot=-1.
if (qghli16=1) and (qghth16=1) and (qghpa16=1) and (qghma16=1) weimot=5.
if (qghli16=1) and (qghth16=1) and (qghpa16=1) and (qghma16=0) weimot=4.
if (qghli16=1) and (qghth16=1) and (qghpa16=0) weimot=3.
if (qghli16=1) and (qghth16=0) and (qghpa16=1) and (qghma16=1) weimot=5.
if (qghli16=1) and (qghth16=0) and (qghpa16=1) and (qghma16=0) weimot=4.
if (qghli16=1) and (qghth16=0) and (qghpa16=0) weimot=2.
if (qghli16=0) and (qghpa16=1) and (qghma16=1) weimot=5.
if (qghli16=0) and (qghpa16=1) and (qghma16=0) weimot=4.
if (qghli16=0) and (qghpa16=0) weimot=1.
Exe.
IF (qghli16=0) and (qghpa16=-8) weimot=1.
IF (qghli16=1) and (qghth16=-8) and (qghpa16=0) weimot=2.
IF (qghli16=-8) and (qghpa16=0) weimot=1.
IF (qghli16=-9) weimot=-1.
IF (qghli16=1) and (qghth16=-8) and (qghpa16=1) and (qghma16=0) weimot=4.
Exe.

RECODE weimot (1=1) (else=-1) INTO Temp.
IF (Temp=1) AND (bmivg5=2) weimot=6.
Exe.

RECODE weimot (1=1) (else=-1) INTO Temp.
```

```
IF (Temp=1) AND (bmivg5=-1) weimot=-3.
Exe.

var lab weimot '(D) Motivation to control weight'.
val labs weimot
1 ‘Pre-contemplation: unhealthy BMI’
2 'Contemplation'
3 'Preparation'
4 'Action'
5 'Maintenance'
6 'Long-term maintenance (already has healthy BMI)'
-1 'Not applicable'
-3 ‘Pre-contemplation: BMI unknown’.

FORMATS weimot (F2.0).
MISSING VALUES weimot (-9 thru -1).
fre weimot.
miss vals qghli16 qghth16 qghpa16 qghma16 (-9 thru -1).

****Creating within/outwith healthy weight derived variable for children.

missing values cbmig5 ().

recode cbmig5 (1=4)(2=2)(3,4,5=1) (-1,-8=3) (-2=-2) into cbmigR.
var lab cbmigR '(D) Child BMI - within or outwith healthy weight'.
val lab cbmigr 1 'Overweight/obese' 2 'within HW' 3 'No BMI meaure' 4 'Underweight' -2
"Schedule not applicable".
fre cbmigR.
```

SEXUAL HEALTH

mafpnum (D) (KAM) Count of places thinks provide morning after pill
atts1b (D) (KAM) Would ask to use condom if sex with new partner - recoded
atts2b (D) (KAM) Would stop sex with new partner if no condoms - recoded
atts3b (D) (KAM) Need to use condom with new partner to protect against STIs - recoded
atts4b (D) (KAM) Regular partner - both get tested for STIs before stop using condoms - recoded
vas2b (D) (KAM) Whether would consider a vasectomy - recoded
chlamnum (D) (KAM) no. of places thinks provide chlamydia testing
larcmeth (D) (KAM) Longterm contraception - any

```
****.
* Morning after pill.
* Number of places mentioned.
****.

count mis=mornp1 TO mornp6 (missing).
fre mis.
count mafpnum=mornp1 TO mornp6 (1).
if mis>0 mafpnum=-1.
exe.
if mornp8=1 mafpnum=0.
if mornp9=1 mafpnum=-8.
if (age lt 16  OR KAMresp=0) mafpnum=-2.
```

```
exe.

Variable label mafpnum "(D) KAM: count of places thinks provide morning after pill".
value labels mafpnum -8 "don't know" -1"Item not applicable" -2 "schedule not applicable".
missing values mafpnum (lo thru -1).

fre mafpnum.

*Derived variables for tables 8.12 to 8.22 (covering the attitudes questions)

freq atts1.
recode atts1 (1 thru 2 = 1)(3=2)(4 thru 5=3)(6=4)(7=5)(-8,-9=-9)(else=copy) into atts1b.
variable labels atts1b "(D) (KAM) Would ask to use condom if sex with new partner - recoded".
value labels atts1b
1 'Agree'
2 'Neither agree nor disagree'
3 'Disagree'
4 'DK'
5 'Does not appy to me'
-1 "item not applicable"
-2 "schedule not applicable"
-9 "refused".
exe.
missing values atts1b ( lo thru -1).
fre atts1 atts1b.

freq atts2.
recode atts2 (1 thru 2 = 1)(3=2)(4 thru 5=3)(6=4)(7=5)(-8,-9=-9)(else=copy) into atts2b.
variable labels Atts2b "(D) (KAM) Would stop sex with new partner if no condoms - recoded".
value labels atts2b
1 'Agree'
2 'Neither agree nor disagree'
3 'Disagree'
4 'DK'
5 'Does not appy to me'
-1 "item not applicable"
-2 "schedule not applicable"
-9 "refused".
exe.
missing values atts2b (lo thru -1).
fre atts2 atts2b.

freq atts3.
recode atts3 (1 thru 2 = 1)(3=2)(4 thru 5=3)(6=4)(7=5)(-8,-9=-9)(else=copy) into atts3b.
variable labels Atts3b "(D) (KAM) Need to use condom with new partner to protect against STIs -
recoded".
value labels atts3b
1 'Agree'
2 'Neither agree nor disagree'
3 'Disagree'
4 'DK'
5 'Does not appy to me'
-1 "item not applicable"
-2 "schedule not applicable"
-9 "refused".
exe.
```

```
missing values atts3b (lo thru -1).
fre atts3 atts3b.

fre atts4.
recode atts4 (1 thru 2 = 1)(3=2)(4 thru 5=3)(6=4)(7=5)(-8,-9=-9)(else=copy) into atts4b.
variable labels Atts4b "(D) (KAM) Regular partner - both get tested for STIs before stop using
condoms - recoded".
value labels atts4b
1 'Agree'
2 'Neither agree nor disagree'
3 'Disagree'
4 'DK'
5 'Does not appy to me'
-1 "item not applicable"
-2 "schedule not applicable"
-9 "refused".
exe.

missing values atts4b (lo thru -1).
fre atts4 atts4b.

*creating one variable to say whether or not using any of the LARC methods

miss vals con_mire con_coil con_inj con_impl sxactive ().

compute larcmeth=2.
If any (1,con_mire, con_coil, con_inj, con_impl)larcmeth=1.
If SXACTIVE =-6 larcmeth=-6.
If SXACTIVE =-2 larcmeth=-2.
if con_mire=-1 larcmeth=-1.
if con_mire=-9 larcmeth=-9.
If SXACTIVE=2 larcmeth=3.
var label larcmeth "(D) Longterm contraception - any".
value label larcmeth 1 "Used" 2 "Not used" 3"Not sexually active" -6 "Schedule not obtained" -9
"refused" -2 "Schedule not applicable" -1 "Item not applicable".
exe.
fre larcmeth .

cro larcmeth by con_mire con_coil con_inj con_impl sxactive .

missing values larcmeth con_mire con_coil con_inj con_impl sxactive (lo thru -1).
fre larcmeth con_mire con_coil con_inj con_impl sxactive .



*Whether would consider having a vasectomy (asked if have not had one i.e. 'No' at Vas1
*Collapse codes into: Definitely/probably would, Definitely/probably would not, DK/need more
information, Does not apply to me

freq vas2.

recode vas2 (1 thru 2=1)(3 thru 4=2)(5,-8=3)(6=4)(else=copy) into vas2b.
variable labels vas2b '(D) Whether would consider a vasectomy - recoded'.
value labels vas2b
1 'Def or prob would'
2 'Def or prob would not'
```

```
3 'Dk or would need mre information'
4 'Does not apply to me'
7"Already had one"
-1 "item not applicable"
-2 "schedule not applicable"
-9"refused".
exe.

fre vas2b.


**********.
*CHLAMYDIA TESTS AVERAGE NO OF PLACES.
**********.

fre chlam1 TO chlam8 .

cro chlam5 by chlam6.

* cleaning chlam data.

freq chlam1 to chlam5.

DO IF chlam6=1.
DO REPEAT x=chlam1 to chlam5.
compute x=1.
END REPEAT.
END IF.

cro chlam5 by chlam6.


count misch=chlam1 TO chlam6 (missing).
fre misch.
count chlamnum=chlam1 TO chlam6  (1).
recode chlam1 (lo thru-1=copy) into chlamnum.
if chlam7=1 chlamnum=0.
if chlam8=1 chlamnum=-8.
exe.
fre chlamnum.

if misch>0 chlamnum=-1.
exe.
Variable labels chlamnum "(D) (KAM) no. of places thinks provide chlamydia testing".
value labels chlamnum
-1 "item not applicable"
-2 "schedule not applicable"
-8 "don't know"
-9 "refused".
exe.

missing values chlamnum (lo thru -1).

fre chlamnum.
```

Scottish Health Survey 2011 Main Report: Variables used in Tables

Notes

- This guide is mainly intended to help users who are new the Scottish Health Survey data; though experienced users might also find it useful. It lists the variables from the 2011 (or 2008 and 2011 combined) datafile used to create the tables in the 2011 report It is a useful way of identifying quickly the key health outcome and behaviour measures in the study. However, this is by no means an exhaustive list of the survey's key variables.

- Some tables in the report also present data from the previous surveys. The variable names from earlier surveys have not been included here. Users wishing to carry out comparisons over time should refer to the documentation for the earlier surveys. In most cases the name of the variable of interest has stayed the same since 1995. In some cases it has been necessary to amend the variable name due to changes in the question wording or the derivation of the variable.

- Logistic regression usually requires some recoding and renaming of variables (to handle missing values or to combine categories). For these tables the *original* variables used to create the dependent (variable of interest) and the independent (explanatory variables) are listed.

- The column headed "Variable(s) of interest" contains the dependent variable presented in the table. These are usually the main subject of the table, e.g. self-assessed general health, smoking status, etc. In some cases some further selection criteria was applied to define the dependent variable, these are also shown in this column. The column headed "Explanatory variables" contains the independent variables used to disaggregate the data in the table. Please note that any tables with total columns for the age groups 16-64 or 16-74 used the main age group variable but used the select function in SPSS to exclude the older age groups (this is not detailed in the table below).

- All of the tables that present data by NS-SEC, income or SIMD contain age-standardised figures. The process used to standardise the data is not documented here; the syntax is available on request from the Scottish Government Health Survey team (scottishhealthsurvey@scotland.gsi.gov.uk).

Chapter 1 – General Health and Mental Wellbeing

Table no.	Title	Variable(s) of interest	Explanatory variables	Weight
Table 1.1	Adult self-assessed general health, 2008, 2009, 2010, 2011 by age and sex	genhelf; genhelf2	sex; ag16g10	int11wt
Table 1.2	Prevalence of long-term conditions in adults, 2008, 2009, 2010, 2011 by age and sex	limitill; longill08	sex; ag16g10	int11wt
Table 1.3	Prevalence of long-term conditions in adults, 2008 – 2011 combined (age-standardised), by Scottish Index of Multiple Deprivation and Sex	limitill; longill08	sex; simd5_RP; simd15_09	int08091011_wt; intaswt
Table 1.4	WEMWBS mean scores, 2008, 2009, 2010, 2011 by age and sex	wemwbs	sex; ag16g10	int11wt
Table 1.5	WEMWBS mean scores, GHQ12 and life satisfaction, 2010, (age-standardised), by NS-SEC of household reference person and sex	analysis in STATA	analysis in STATA	analysis in STATA
Table 1.6	Estimated odds ratios for below average WEMWBS mean scores, 2009/2011 combined, by associated risk factors and sex	depany2; anxany2; suicide2 ; suicide3; DSH5	sex; ag16g10	nurs1011_wt
Table 1.7	CIS-R anxiety and depression symptom scores, attempted suicide and deliberate self-harm,2008/2009 combined, 2010/2011 combined, by age and sex	Wemwbs	sex; demand; contrl; contrlR, demandR; support1; support1R; support2; strwork, StrworkR; supprt2R. Workbal2	Vera0911wt

Chapter 2 – Dental Health

Table no.	Title	Variable(s) of interest	Explanatory variables	Weight
Table 2.1	Number of natural teeth, and % with no natural teeth, 1995,1998,2003,2008,2009, 2010, by age and sex	natteeth; natthg	sex; ag16g10	Int11wt
Table 2.2	Number of natural teeth,and % with no natural teeth, 2008 – 2011 combined (age4 standardised), by Scottish Index of Multiple Deprivation and Sex	natteeth; natthg2	sex; simd5_RP; simd15_09	int08091011_wt; intaswt
Table 2.3	Daily actions taken by people with some natural teeth to improve dental health, 2011, by age and sex	DenAct	sex; ag16g10	vera11wt

Chapter 3 – Alcohol Consumption

Table no.	Title	Variable(s) of interest	Explanatory variables	Weight
Table 3.1	Estimated usual weekly alcohol consumption level, 2003, 2008, 2009, 2010, 2011, by age and sex	drkcat3; drating	sex; ag16g10	int11wt
Table 3.2	Estimated usual weekly alcohol consumption level and mean units by drinking category, 2008 – 2011 combined, (age standardised), by equivalised housed income quintile and sex	drkcat3; drating	Sex; eqv5; drkcat3	Int11wt; int08091011_wt
Table 3.3	Estimated usual weekly alcohol consumption level and mean units by drinking category, 2008 – 2011 combined, (age standardised), by Scottish Index of Multiple Deprivation and sex	drkcat3; drating	sex; simd5_RP; drkcat3; simd15_09	int08091011_wt; intaswt
Table 3.4	Units consumed on heaviest drinking day in past week, 2003, 2008, 2009, 2010, 2011, by age and by sex	oLimLWA; oLimLWB; dlimt4v2; dlimt8v2; dlimt3v2; dlimt6v2; d7ut08_2	sex; ag16g10	int11wt
Table 3.5	Adherence to weekly and daily drinking advice, 2003, 2008, 2009, 2010, 2011 by age and sex	alclim;	sex; ag16ag10	int11wt; int09wt; int08wt;
Table 3.6	Number of days on which drank alcohol in the past week, 2003, 2008,2010, 2011, by age and sex	D7_6plus; d7many;	sex; ag16g10; ag16to74	int11wt; int10wt; int09wt; int08wt; int_wt; WEIGHTA
Table 3.7	Number of days on which drank alcohol in the past week, 2003, 2008, 2009, 2010, 2011, by age and sex	D7_6plus; d7many;	sex; eqv5;	int08091011_wt; intaswt;
Table 3.8	Number of days on which drank alcohol in the past week 2008 – 11 combined, (age standardised), by Scottish Index of Multiple Deprivation and sex	D7_6plus; d7many	sex; simd5_RP; simd15_09; simd5; XXXXXX	int08091011_wt; intaswt; int_wt

Chapter 4 – Smoking

Table no.	Title	Variable(s) of interest [& any selection criteria]	Explanatory variables	Weight
Table 4.1	Cigarette smoking status, 1995, 1998, 2003, 2008, 2009, 2010, 2011 by age and sex	rcigst1; cigdyal	sex; ag16g10	int11wt;
Table 4.2	Self-reported cigarette smoking status, 2011, (age standardised), by NS-SEC of household reference person and sex	rcigst1; cigdyal	sex; hpnssec5;	int11wt; intaswt;
Table 4.3	Self-reported cigarette smoking status, 2011, (age-standardised), by equivalised household income and sex	rcigst1; cigdyal	sex; eqv5	int11wt; intaswt;
Table 4.4	Self-reported cigarette smoking status, 2011, (age-standardised), by Scottish Index of Multiple Deprivation	rcigst1; cigdyal	sex; simd15_09; simd5_RP	int11wt; intaswt;
Table 4.5	Smoking prevalence estimates without and with saliva continine adjustment, 2008-2011 combined, by age and sex	passmk1; passmk7; psmkhm; psmkpp;	sex; ag16g10;	int11wt;
Table 4.6	Non-smokers' exposure to second-hand smoke, 1998, 2003, 2008, 2009, 2010, 2011, by age and sex			
Table 4.7	Saliva continine levels among self-reported continine validated non-smokers, 2003, 2008/2009 combined, 2010/2011 combined, by age and sex			
Table 4.8	Saliva continine levels among self-reported continine validated non-smokers, 2008-2011 combined, (age-standardised), by Scottish Index of Multiple Deprivation and sex			

Chapter 5 – Diet

Table no.	Title	Variable(s) of interest	Explanatory variables	Weight
Table 5.1	Adult fruit and vegetable consumption, 2003, 2008, 2009, 2010, 2011, by age and sex	porftvg5; porfv	sex; ag16g10	int11wt;
Table 5.2	Urinary sodium (Na), potassium (K) and creatinine (Cre), Na/Cre ratio, K/Cre ratio, 2003, 2008-2011 combined, by age and sex	sodium; potass; creat; socrearat; potcrearat	sex; ag16g3	nurs08091011_wt; nurse_wt;
Table 5.3	Consumption of vitamin or mineral supplements, 2003, 2008-2011 combined by age and sex	Vittake;	sex; ag16g10	nurs08091011_wt;; nurse_wt;
Table 5.4	Consumption of vitamin or mineral supplements, 2008-2011 combined, (age-standardised), by Scottish Index of Multiple Deprivation (SIMD) and sex	Vittake;	sex; simd5_RP; simd15_09	nurs08091011_wt;; intaswt;

Chapter 6 – Physical Activity

Table no.	Title	Variable(s) of interest	Explanatory variables	Weight
Table 6.1	Adult summary activity levels, 2008,2009, 2010 by sex and age	adt10gp	sex; ag16g10	int11wt;
Table 6.2	Adults participation in different activity types for at least 10 minutes in the last 4 weeks, 2011, by age and sex	hwkany10; manany10; wlkany10; sptany10; totany10; ad10hwk; hrshwk10; ad10man; hrsman10; ad10wlk; hrwalk10; ad10spt; hrsspt10; ad10tot; hrstot10;	sex; ag16g10	int11wt;
Table 6.3	Adult summary activity levels, 2011, (age standardised), by NS-SEC of household reference person and sex	adt10gp;	sex; hpnssec5	int11wt; intaswt
Table 6.4	Adult summary activity levels, 2011, (age standardised), by equivalised household income quintile and sex	adt10gp	sex; eqv5	int11wt; intaswt;
Table 6.5	Adult summary activity levels, 2011, (age standardised), by Scottish Index of Multiple Deprivation (SIMD) and sex	adt10gp	sex; simd5_RP; simd15_09	int11wt; intaswt

Chapter 7 –Obesity

Table no.	Title	Variable(s) of interest	Explanatory variables	Weight
Table 7.1	Adult response to anthropometric measurements (height, weight & BMI), 2008 - 2011, by age and sex	htok; bmiok; whokb	sex; ag16g10	nurs08091011_wt; int08091011_wt
Table 7.2	Mean BMI, prevalence of overweight and obesity, 1995, 1998, 2003, 2008, 2009, 2010, 2011, by age and sex	bmi25; bmi30; bmi40; bmival	sex; ag16g10; ag16to64	Int11wt;
Table 7.3	Adult body mass index (BMI), 2011, by age and sex	bmivg5; bmi25; bmi30; bmival	sex; ag16g10;	int11wt;
Table 7.4	Mean and raised waist circumference (WC), 1995, 1998, 2003, 2008/2009 combined, 2010/2011 combined, by age and sex	WSTVAL; menwsthi; womwsthi;	sex; ag16g10; ag16to64	nurs1011_wt
Table 7.5	Health risk category associated with overweight and obesity based on Body Mass Index (BMI) and waist circumference, 2008 – 2011 combined, by age and sex	bmivg6; risk; GROUP	sex; ag16g10;	nurs08091011_wt;
Table 7.6	Health risk category, 2008-2011 combined (age-standardised), by NS-SEC of household reference person and sex	bmivg6; risk; GROUP	sex; hpnssec5;	nurs08091011_wt; intaswt
Table 7.7	Health risk category, 2008-2011 combined (age-standardised), by equivalised household income quintile and sex	bmivg6; risk; GROUP	sex; eqv5;	nurs08091011_wt; intaswt
Table 7.8	Health risk category, 2008-2011 combined (age-standardised), by Scottish Index of Multiple Deprivation and sex	bmivg6; risk; GROUP	sex; simd5_RP; simd15_09;	nurs08091011_wt; intaswt
Table 7.9	Estimated odds ratios for high (or greater) disease risk, 2008 – 2011 combined, by associated risk factors and sex	analysis in STATA	analysis in STATA	analysis in STATA

Chapter 8 – Cardiovascular Disease, Diabetes and Hypertension

Table no.	Title	Variable(s) of interest	Explanatory variables	Weight
Table 8.1	Any CVD, and CVA or diabetes, IHD, stroke, IHD or stroke, 1995, 1998, 2003, 2008, 2009, 2010, 2011, by age and sex	cvddef1; ihdis; cvdis; cvddef2; strodef;	sex; ag16g10; ag16to64	int11wt
Table 8.2	Prevalence of doctor-diagnosed diabetes, 1995, 1998, 2003, 2008, 2009, 2010, 2011, by age and sex	diabete2;	sex; ag16g10	int11wt; int10wt; int09wt; int08wt
Table 8.3	Glycated haemoglobin levels in people with no diabetes diagnosis, 2003, 2008 – 2011 combined, by age and sex	glyhbhi4; diabete2	sex; ag16g10	blood_wt; blod08091011_wt; int08091011_wt
Table 8.4	Blood pressure level, 1998, 2003, 2008/2009 combined, 2010/2011 combined, by age and sex	hy140om; hpb140om;	sex; ag16g10; ag16to74	nurs1011_wt
Table 8.5	Total cholesterol, 1995, 1998, 2003, 2008-2011 combined, by age and sex	cholval1; cholhi;	sex; ag16g10; ag16to64	blod08091011_wt
Table 8.6	HDL cholesterol and Total; HDL cholesterol ratio; 2003, 2008-2011 combined, by age and sex	cholhdlrat; Hdlval1; Hdllo;	sex; ag16g10	blood_wt; blod08091011_wt
Table 8.7	Fibrinogen 1998, 2003, 2008-2011 combined, by age and sex	Fibval;	sex; ag16g10; ag16to74	blod08091011_wt
Table 8.8	C-reactive protein 1998, 2003, 2008-2011 combined, by age and sex	Crpval; Crpquin98;	sex; ag16g10; ag16to74	blod08091011_wt; blood_wt