Welsh Health Survey

2014

Variable List

WHS 2014 Adults Variable List

Variable	Description	Source	Derived variable syntax provided
SERIAL NUMBERS			
archhsn	Scrambled Household Serial	Derived	N/A
archpsn	Scrambled Person Serial	Derived	N/A
HOUSEHOLD CLASSIFICATION			
tenure3	(D) 3 class Housing Tenure	Derived	Y
hhdtypb	(D) Household Type	Derived	Y
nssec8	(D) NS-SEC 8 classes	Derived	N/A
nssec5	(D) NS-SEC 5 classes	Derived	N/A
nssec3	(D) NS-SEC 3 classes	Derived	N/A
hhchild	(D) Any children in household	Derived	Y
region	Region	Derived	N/A
whsyear	whs year	Derived	Y
intmon	Month of interview	Hhold	
strata	Strata – only special licence variable	Derived	N/A
uaname	UA NAME – only special licence variable	Derived	N/A
unitauth	(D) Unitary authority - standard form – only special licence variable	Derived	N/A
psu	Primary sampling unit – only special licence variable	Derived	N/A
INDIVIDUAL CLASSIFICATION			
sex	Sex	Hhold	
age5yrm	(D) 5 Year Age Bands with 75+ merged	Derived	Y
health	General Health	Hhold	
care	Need for care	Hhold	
carerhrs	Unpaid carer (hours per week)	SC adult	
carer	(D) Whether a carer	Derived	Y
EMPLOYMENT			
work	Work status	SC adult	
employ	(D) Whether in employment	Derived	Y
ecstat3	(D) Economic status - 3 classification	Derived	Y
ecstat	(D) Economic status	Derived	Y
EDUCATION			
qualnum	Qualifications - number of responses	SC adult	
olev1	1+ O levels /CSEs /GCSEs (any grade)	SC adult	
nvq1	NVQ Level 1, Foundation GNVQ	SC adult	
olev5	5+ O levels /CSEs (Gr1) /GCSEs (A-C) /School Certificate	SC adult	
nvq2	NVQ Level 2, Intermediate GNVQ	SC adult	
appr	Apprenticeship	SC adult	
alev	2+ A levels/AS levels	SC adult	
nvq3	NVQ Level 3, Advanced GNVQ	SC adult	
degree	Degree, Higher Degree	SC adult	
nvq4	NVQ Levels 4-5, HNC, HND	SC adult	
qualprof	Professional qualifications	SC adult	
qualoth	Other qualifications	SC adult	
qualfor	Foreign qualifications	SC adult	
qualno	No qualifications	SC adult	
qualhi	(D) Level of highest educational qualification	Derived	Y
ANTHROPOMETRIC MEASUREMENTS			
htcm	(D) Height : in cm - computed from Feet/inches if necessary	Derived	Y
wtkg	(D) Weight : in kg - computed from Stones/pounds if necessary	Derived	Y
bmi2	(D) Body Mass Index (excl pregnant women)	Derived	Y
bmilev2	(D) Body Mass Index classification (excl pregnant women)	Derived	Y
bmimorb2	(D) Body Mass Index classification (excl pregnant women) (incl. 40+)	Derived	Y
bmiowob2	(D) BMI Overweight or obese (excl pregnant women)	Derived	Y

Variable	Description	Source	Derived variable syntax provided
bmiobes2	(D) BMI Obese (excl pregnant women)	Derived	Y
HEALTH SERVICE USE			
gp	Talked to GP in last 2 weeks	SC adult	
gpfreq	Times talked to GP	SC adult	
gppresc	Given prescription by GP	SC adult	
gpbi	(D) Talked to GP in last 2 weeks - binary	Derived	Y
pnurs	Saw practice nurse in last 2 weeks	SC adult	
pnfre	Times saw practice nurse	SC adult	
pnursbi	(D) Saw practice nurse in last 2 weeks - binary	Derived	Y
cas12m	Attended casualty in last 12 months	SC adult	
casfr12m	Times in casualty in last 12 months	SC adult	
cas12mbi	(D) Attended casualty in last 12 months - binary	Derived	Y
out12m	Outpatient in last 12 months	SC adult	
outpriv	Outpatient paid for privately	SC adult	
out12mbi	(D) Outpatient in last 12 months - binary	Derived	Y
daypat	Day patient in last 12 months	SC adult	
daypriv	Day patient paid for privately	SC adult	
daypatbi	(D) Day patient in last 12 months - binary	Derived	Y
inpat	Inpatient in last 12 months	SC adult	
inpriv	Inpatient paid for privately	SC adult	
inpatbi	(D) Inpatient in last 12 months - binary	Derived	Y
denser	Dentist - services used in last 12 months	SC adult	
denbi	(D) Visited a dentist in the last 12 months - binary	Derived	Y
chirser	Chiropodist - services used in last 12 months	SC adult	
chirbi	(D) Seen a chiropodist in the last 12 months - binary	Derived	Y
physser	Physiotherapist - services used in last 12 months	SC adult	
physbi	(D) Seen a physiotherapist in the last 12 months - binary	Derived	Y
osteoser	Osteopath - services used in last 12 months	SC adult	
osteobi	(D) Seen an osteopath/chiropractor in the last 12 months - binary	Derived	Y
optiser	Visited an optician in the last 12 months	SC adult	
optibi	(D) Visited an optician - binary	Derived	Y
cnser	Seen a health visitor, district or community nurse in the last 12 months	SC adult	
cnbi	(D) Seen a health visitor, district or comm nurse - binary	Derived	Y
gpser	Seen a GP out of hours in the last 12 months	SC adult	
gpoutbi	(D) Seen a GP out of hours - binary	Derived	Y
nhsser	Used the NHS direct helpline in the last 12 months	SC adult	
nhsbi	(D) Used the NHS direct helpline - binary	Derived	Y
pharser	Used a pharmacist in the last 12 months	SC adult	
pharbi	(D) Used a pharmacist - binary	Derived	Y
dentwhy	In general, which of the following do you go to the dentist for?	SC adult	
dentwhbi	(D) ever goes to dentist	Derived	Y
flu	Flu jab in last 12 months	SC adult	
MEDICINES			
med	Bought medicine in last 4 weeks	SC adult	
medbi	(D) Bought medicine in last 4 weeks - binary	Derived	Y
mednum	Medicine type number of responses	SC adult	
medconv	Bought conventional medicines	SC adult	
medherb	Bought herbal medicines	SC adult	
medhomeo	Bought homeopathic medicines	SC adult	
medvit	Bought mineral or vitamin supplements	SC adult	
prescmed	Regular prescribed medication	SC adult	
prescmbi	(D) Regular prescribed medication - binary	Derived	Y
ILLNESSES			
hrtatt	Heart attack - ever treated	SC adult	

Variable	Description	Source	Derived variable syntax provided
hrtattbi	(D) Ever had heart attack - binary	Derived	Y
strok	Stroke - ever treated	SC adult	
strokbi	(D) Ever had stroke - binary	Derived	Y
canc	Cancer - ever treated	SC adult	
cancbi	(D) Ever had cancer - binary	Derived	Y
ang	Angina - currently treated	SC adult	
angbi	(D) Currently treated for angina - binary	Derived	Y
hrtfail	Heart failure - currently treated	SC adult	
hrtfaibi	(D) Currently treated for heart failure - binary	Derived	Y
hbp	High blood pressure - currently treated	SC adult	
hbpbi	(D) Currently treated for high blood pressure - binary	Derived	Y
htoth	Other heart condition - currently treated	SC adult	
htothbi	(D) Currently treated for other heart condition - binary	Derived	Y
heart	(D) Any heart condition	Derived	Y
heartbp	(D) Any heart condition including high blood pressure	Derived	Y
asthma	Asthma - currently treated	SC adult	
asthmabi	(D) Currently treated for asthma - binary	Derived	Y
emph	Emphysema - currently treated	SC adult	
emphbi	(D) Currently treated for emphysema - binary	Derived	Y
pleur	Pleurisy - currently treated	SC adult	
pleurbi	(D) Currently treated for pleurisy - binary	Derived	Y
bron	Bronchitis - currently treated	SC adult	
bronbi	(D) Currently treated for bronchitis - binary	Derived	Y
respoth	Other respiratory illness - currently treated	SC adult	
respotbi	(D) Currently treated for other respiratory illness - binary	Derived	Y
resp	(D) Any respiratory condition currently treated	Derived	Y
dep	Depression - currently treated	SC adult	
depbi	(D) Currently treated for depression - binary	Derived	Y
anx	Anxiety - currently treated	SC adult	
anxbi	(D) Currently treated for anxiety - binary	Derived	Y
mentoth	Other mental illness - currently treated	SC adult	
mentotbi	(D) Currently treated for other mental illness - binary	Derived	Y
mental	(D) Any mental condition currently treated	Derived	Y
arth	Arthritis - currently treated	SC adult	
arthbi	(D) Currently treated for arthritis - binary	Derived	Y
back	Back pain - currently treated	SC adult	
backbi	(D) Currently treated for back pain - binary	Derived	Y
epi	Epilepsy - currently treated	SC adult	
epibi	(D) Currently treated for epilepsy - binary	Derived	Y
vvein	Varicose veins - currently treated	SC adult	
vveinbi	(D) Currently treated for varicose veins - binary	Derived	Y
diab	Diabetes - currently treated	SC adult	
diabnum	Number of responses	SC adult	
diabinj	Diabetes - injection controlled	SC adult	
diabtab	Diabetes - tablet controlled	SC adult	
diabdiet	Diabetes - diet controlled	SC adult	
diabbi	(D) Currently treated for diabetes - binary	Derived	Y
illoth	Other chronic illness - currently treated	SC adult	
illcde1	1st other chronic illness - currently treated	SC adult	
illcde2	2nd other chronic illness - currently treated	SC adult	
illcde3	3rd other chronic illness -currently treated	SC adult	
illcde4	4th other chronic illness - currently treated	SC adult	
illchp1	(D) Other illness ICD Chapter	Derived	N/A
illchp2	(D) Other illness ICD Chapter	Derived	N/A

Variable	Description	Source	Derived variable syntax provided
illchp3	(D) Other illness ICD Chapter	Derived	N/A
illchp4	(D) Other illness ICD Chapter	Derived	N/A
mrg_ills	(D) (Merged 2+) Number of currently treated illnesses	Derived	Y
chronic	(D) Any chronic illness	Derived	Y
ACCIDENTS			
acc	Hospital for accident, injury or poisoning in last 3 months	SC adult	
accbi	(D) Hospital for accident, injury or poisoning in last 3 months – binary	Derived	Y
fracq	Break or fracture	SC adult	
fracture	(D) Fracture in last 3 months	Derived	Y
poisq	Poisoning	SC adult	
poison	(D) Poisoning in last 3 months	Derived	Y
concusq	Head injury with concussion	SC adult	
concus	(D) Head injury with concussion in last 3 months	Derived	Y
cutq	Cut	SC adult	
cut	(D) Cut or puncture in last 3 months	Derived	Y
burnq	Burn	SC adult	
burn	(D) Burn in last 3 months	Derived	Y
othaccq	Other injury	SC adult	
othacc	(D) Other injury in last 3 months	Derived	Y
accplace	Place of most recent accident	SC adult	
OTHER CONDITIONS			
stomnum	Stomach upset - number of responses	SC adult	
stomno	No stomach upset with diarrhoea in last 3 months	SC adult	
stombi	(D) Stomach upset with diarrhoea in last 3 months	Derived	Y
stomhere	Stomach upset with diarrhoea in this country in last 3 months	SC adult	
stomabrd	Stomach upset with diarrhoea abroad in last 3 months	SC adult	
stomns	Stomach upset, but not indicated where	SC adult	
stomdr	Saw doctor about stomach upset	SC adult	
see	See face of someone across room	SC adult	
eyesight	(D) Eyesight difficulty - binary	Derived	Y
heardiff	Difficulty with hearing	SC adult	
hearbi	(D) Difficulty with hearing - binary	Derived	Y
hearaid	Wear hearing aid	SC adult	
hearaidt	Trouble with hearing while wearing aid	SC adult	
teeth	How many natural teeth do you have	SC adult	
teethbi	(D) How many natural teeth do you have - binary	Derived	Y
UNTREATED PROBLEMS OR SYMPTOMS			
backachu	Backache - untreated	SC adult	
jointu	Bone, joint, muscle problems - untreated	SC adult	
vveinsu	Troublesome varicose veins - untreated	SC adult	
breathu	Shortness of breath, tight chest or wheezing - untreated	SC adult	
chestu	Chest pain - untreated	SC adult	
dizzyu	Dizziness, giddiness or fainting - untreated	SC adult	
appetu	Loss of appetite or unexplained weight loss - untreated	SC adult	
lumpsu	Lumps in breast, armpit or groin - untreated	SC adult	
hearingu	Sudden loss of hearing or vision - untreated	SC adult	
injuryu	An injury that limited your activities in some way - untreated	SC adult	
depressu	Feeling depressed or anxious - untreated	SC adult	
nocomplu	None of these - untreated	SC adult	
untillbi	(D) Any untreated problem or symptom	Derived	Y
untill	(D) Number of untreated problems or symptoms	Derived	Y
nervousu	I feel nervous or uncomfortable going to the doctor or hospital	SC adult	
notseru	I did not think my symptoms seemed serious enough	SC adult	
wentawau	My symptoms went away by themselves	SC adult	

Variable	Description	Source	Derived variable syntax provided
difdocu	It is difficult to see a doctor/ It would have taken too long	SC adult	
livewitu	I have learnt to live with my symptoms/ I put up with my symptoms	SC adult	
seenothu	I have seen someone else about these	SC adult	
seendocu	I have seen a doctor about these symptoms more than 12 months ago	SC adult	
otheru	Other reasons for no treatment	SC adult	
HEALTH AND WELL BEING			
fphth	(D) Fair or poor health - binary	Derived	Y
genhlth	SF Self reported health	SC adult	
comphlth	SF Health compared with year ago	SC adult	
vigact	SF Health limits vigorous activities	SC adult	
modact	SF Health limits moderate activities	SC adult	
liftgroc	SF Health limits lifting and carrying groceries	SC adult	
climbsev	SF Health limits climbing several flights of stairs	SC adult	
climbone	SF Health limits climbing one flight of stairs	SC adult	
bend	SF Health limits bending, kneeling or stooping	SC adult	
walkmile	SF Health limits walking more than a mile	SC adult	
walksvyd	SF Health limits walking several hundred yards	SC adult	
walkhdyd	SF Health limits walking one hundred yards	SC adult	
bath	SF Health limits bathing or dressing yourself	SC adult	
physcut	SF Due to physical health cut down time on work or activities in past 4 weeks	SC adult	
physless	SF Due to physical health accomplished less than would like in past 4 weeks	SC adult	
physlim	SF Due to physical health limited in kind of work or activities in past 4 weeks	SC adult	
physdiff	SF Due to physical health had difficulty performing work or activities in past 4 weeks	SC adult	
emocut	SF Due to emotional problems cut down time on work or activities in past 4 weeks	SC adult	
emoless	SF Due to emotional problems accomplished less than would like in past 4 weeks	SC adult	
emocare	SF Due to emotional problems did work or activities less carefully in past 4 weeks	SC adult	
socextnt	SF Extent physical health or emotional problems interfered with normal social activities in past 4 weeks	SC adult	
bodpain	SF Bodily pain in past 4 weeks	SC adult	
painint	SF Pain interfered with normal work in past 4 weeks	SC adult	
fulllife	SF Felt full of life in past 4 weeks	SC adult	
nerv	SF Been very nervous in past 4 weeks	SC adult	
dumps	SF Felt so down in dumps that nothing could cheer up in past 4 weeks	SC adult	
calm	SF Felt calm and peaceful in past 4 weeks	SC adult	
energy	SF Have had a lot of energy in past 4 weeks	SC adult	
low	SF Felt downhearted and low in past 4 weeks	SC adult	
wornout	SF Felt worn out in past 4 weeks	SC adult	
happy	SF Been happy in past 4 weeks	SC adult	
tired	SF Felt tired in past 4 weeks	SC adult	
soctime	SF Time physical health or emotional problems have interfered with social activities in past 4 weeks	SC adult	
illeasy	SF Seem to get ill more easily than other people	SC adult	
healthy	SF As healthy as anyone I know	SC adult	
worshlth	SF Expect my health to get worse	SC adult	
exhlth	SF Health is excellent	SC adult	
sf12pf	(D) SF12v2 Physical functioning score	Derived	Y
sf12rp	(D) SF12v2 Role-physical score	Derived	Y
sf12bp	(D) SF12v2 Bodily pain score	Derived	Y
sf12gh	(D) SF12v2 General health score	Derived	Y
sf12vt	(D) SF12v2 Vitality score	Derived	Y
sf12sf	(D) SF12v2 Social functioning score	Derived	Y
sf12re	(D) SF12v2 Role-emotional score	Derived	Y
sf12mh	(D) SF12v2 Mental health score	Derived	Y
sf12pcs	(D) SF12v2 Physical Component Score	Derived	Y
sf12mcs	(D) SF12v2 Mental Component Score	Derived	Y

Variable	Description	Source	Derived variable syntax provided
sf12pfnb	(D) SF12v2 Physical functioning score (norm-based)	Derived	Y
sf12rpnb	(D) SF12v2 Role-physical score (norm-based)	Derived	Y
sf12bpnb	(D) SF12v2 Bodily pain score (norm-based)	Derived	Y
sf12ghnb	(D) SF12v2 General health score (norm-based)	Derived	Y
sf12vtnb	(D) SF12v2 Vitality score (norm-based)	Derived	Y
sf12sfnb	(D) SF12v2 Social functioning score (norm-based)	Derived	Y
sf12renb	(D) SF12v2 Role-emotional score (norm-based)	Derived	Y
sf12mhnb	(D) SF12v2 Mental health score (norm-based)	Derived	Y
sf36pf	(D) SF36 Physical functioning score	Derived	Y
sf36rp	(D) SF36 Role-physical score	Derived	Y
sf36bp	(D) SF36 Bodily pain score	Derived	Y
sf36gh	(D) SF36 General health score	Derived	Y
sf36vt	(D) SF36 Vitality score	Derived	Y
sf36sf	(D) SF36 Social functioning score	Derived	Y
sf36re	(D) SF36 Role-emotional score	Derived	Y
sf36mh	(D) SF36 Mental health score	Derived	Y
sf36pcs	(D) SF36 Physical Component Score	Derived	Y
sf36mcs	(D) SF36 Mental Component Score	Derived	Y
sf36pfnb	(D) SF36 Physical functioning score (norm-based)	Derived	Y
sf36rpnb	(D) SF36 Role-physical score (norm-based)	Derived	Y
sf36bpnb	(D) SF36 Bodily pain score (norm-based)	Derived	Y
sf36ghnb	(D) SF36 General health score (norm-based)	Derived	Y
sf36vtnb	(D) SF36 Vitality score (norm-based)	Derived	Y
sf36sfnb	(D) SF36 Social functioning score (norm-based)	Derived	Y
sf36renb	(D) SF36 Role-emotional score (norm-based)	Derived	Y
sf36mhnb	(D) SF36 Mental health score (norm-based)	Derived	Y
llti2	Limiting long-term illness	SC adult	
lltilot	(D) Limited a lot by illness or disability	Derived	Y
lltiany	(D) Limited at all by illness or disability	Derived	Y
llticd1	1st main limiting long-term illness	SC adult	
llticd2	2nd main limiting long-term illness	SC adult	
llticd3	3rd limiting long-term illness	SC adult	
llticd4	4th limiting long-term illness	SC adult	
lltich1	(D) Limiting long term illness ICD Chapter	Derived	N/A
lltich2	(D) Limiting long term illness ICD Chapter	Derived	N/A
lltich3	(D) Limiting long term illness ICD Chapter	Derived	N/A
lltich4	(D) Limiting long term illness ICD Chapter	Derived	N/A
SMOKING			
smok	Smoking status	SC adult	
smokec	(D) Currently smoke either daily or occasionally	Derived	Y
smoked	(D) Currently smoke daily	Derived	Y
smokee	(D) Ever smoked	Derived	Y
smokstat	(D) Smoking status	Derived	Y
smokex	(D) Ex-smoker	Derived	Y
smouthom	Last 7 days did you smoke outdoors at home	SC adult	
smoutoth	Last 7 days did you smoke other places outdoors	SC adult	
smokout	(D) Whether smoke outdoors	Derived	Y
sminhome	Smoke indoors – at own home	SC adult	
sminoph	Smoke indoors – in others peoples homes	SC adult	
smincar	Smoke indoors – travelling by car	SC adult	
sminothe	Smoke indoors - other places	SC adult	
smokin	(D) Whether smoke indoors	Derived	Y
triedgup	Tried to give up smoking	SC adult	
trygupbi	(D) Tried to give up smoking - binary	Derived	Y

Variable	Description	Source	Derived variable syntax provided
compsm	Smoking compared with year ago	SC adult	
likegup	Would like to give up smoking	SC adult	
likgupbi	(D) Would like to give up smoking - binary	Derived	Y
gupnum	Give up smoking - number of reasons	SC adult	
guphlthp	Give up smoking - health problem at present	SC adult	
guphlthg	Give up smoking - better for health in general	SC adult	
guprelil	Give up smoking - less risk of related illnesses	SC adult	
gupfam	Give up smoking - family/friends	SC adult	
gupfin	Give up smoking - financial reasons	SC adult	
gupchi	Give up smoking - effect on children	SC adult	
gupban	Give up smoking - smoking ban	SC adult	
gupoth	Give up smoking - other reasons	SC adult	
expouth	Exposed to smoke outdoors - at home	SC adult	
expoutot	Regularly exposed to other people's smoke other places outdoors	SC adult	
expinh	Exposed to smoke indoors - in own home	SC adult	
expinhot	Regularly exposed to other people's smoke in other peoples homes	SC adult	
expincar	Exposed to smoke indoors - travelling by car	SC adult	
expinoth	Exposed to smoke indoors - other places	SC adult	
exouall	(D) Exposed to smoke outdoors - all	Derived	Y
exounsm	(D) Exposed to smoke outdoors - non-smokers only	Derived	Y
exinall	(D) Exposed to smoke indoors - all	Derived	Y
exinnsm	(D) Exposed to smoke indoors - non-smokers only	Derived	Y
expoall	(D) Exposed to smoke - all	Derived	Y
exponsm	(D) Exposed to smoke - non-smokers only	Derived	Y
stpsmk	How long ago gave up smoking	SC adult	
stpsmk1m	(D) Gave up smoking at least one month ago	Derived	Y
stpsmk1y	(D) Gave up smoking at least one year ago	Derived	Y
ALCOHOL			
nodrink	Always non-drinker or stopped	SC adult	
freqalc	How often had an alcoholic drink in last 12 months	SC adult	
freqalc3	(D) How often had an alcoholic drink - 3 categories	Derived	Y
everdr	(D) Whether drank in last 12 months	Derived	Y
alcdrink	Any alcoholic drink in last 7 days	SC adult	
alcdrbi	(D) Any alcoholic drink in last 7 days - binary	Derived	Y
alcdrbi0	(D) Any alcoholic drink in last 7 days (incl.never drinks)	Derived	Y
alcoday	Day in last week on which drank the most alcohol	SC adult	
normpint	Amount normal strength beer - pints	SC adult	
npinuni	(D) Units of normal beer - pint	Derived	Y
normlcan	Amount normal strength beer - large cans/bottles	SC adult	
nlcauni	(D) Units of normal beer - large cans	Derived	Y
normscan	Amount normal strength beer - small cans/bottles	SC adult	
nscauni	(D) Units of normal beer - small cans	Derived	Y
strpint	Amount strong strength beer - pints	SC adult	
spinuni	(D) Units of strong beer - pint	Derived	Y
strlcan	Amount strong strength beer - large cans/bottles	SC adult	
slcauni	(D) Units of strong beer - large cans	Derived	Y
strscan	Amount strong strength beer - small cans/bottles	SC adult	
sscauni	(D) Units of strong beer - small cans	Derived	Y
winelar	Amount wine - large glasses	SC adult	
wluni	(D) Units of wine - large glasses	Derived	Y
winesta	Amount wine - standard glasses	SC adult	
wstuni	(D) Units of wine - standard glasses	Derived	Y
winesma	Amount wine - small glasses	SC adult	
wsmuni	(D) Units of wine - small glasses	Derived	Y

Variable	Description	Source	Derived variable syntax provided
winebot	Amount wine - bottles	SC adult	
wbuni	(D) Units of wine - bottles	Derived	Y
spirit	Amount spirits	SC adult	
fwine	Amount fortified wines	SC adult	
alcopops	Amount alcopops	SC adult	
alcouni	(D) Units of alcopops	Derived	Y
oth1gla	Amount other alcoholic drinks 1 - glasses	SC adult	
oth1pin	Amount other alcoholic drinks 1 - pints	SC adult	
oth1lcan	Amount other alcoholic drinks 1 - large cans/bottles	SC adult	
oth1scan	Amount other alcoholic drinks 1 - small cans/bottles	SC adult	
oth2gla	Amount other alcoholic drinks 2 - glasses	SC adult	
oth2pin	Amount other alcoholic drinks 2 - pints	SC adult	
oth2lcan	Amount other alcoholic drinks 2 - large cans/bottles	SC adult	
oth2scan	Amount other alcoholic drinks 2 - small cans/bottles	SC adult	
units	(D) Number of units on the heaviest drinking day in the last week	Derived	Y
units0	(D) Number of units on the heaviest drinking day (incl. never drinks)	Derived	Y
alc4	(D) Level of maximal daily alcohol consumption (incl.never drinks)	Derived	Y
alc5	(D) Maximum drank last week (incl never drinks)	Derived	Y
alc6	(D) Maximum daily consumption last week inc. very heavy drinking	Derived	Y
alcagbi	(D) Maximum daily alcohol consumption: above guidelines – binary	Derived	Y
alcbibi	(D) Maximum daily alcohol consumption: binge - binary	Derived	Y
alcvhbi	(D) very heavy drinking over 3 times guidelines	Derived	Y
FRUIT AND VEGETABLES			
salad2	Bowlfuls of salad yesterday	SC adult	
potato2	Tablespoons of potatoes yesterday	SC adult	
veg2	Tablespoons of other vegetables yesterday	SC adult	
pulse2	Tablespoons of pulses yesterday	SC adult	
vegdish2	Tablespoons of veg in other dishes yesterday, excl potatoes	SC adult	
noveg2	No vegetables or potatoes yesterday	SC adult	
vsfrt2	Handfuls of very small fresh fruit yesterday	SC adult	
smlfrt2	Small fruit yesterday	SC adult	
medfrt2	Medium fruit yesterday	SC adult	
lgfrt2	Half large fruit yesterday	SC adult	
vlfrt2	Slices of very large fruit yesterday	SC adult	
frozfrt2	Tablespoons of frozen or tinned fruit yesterday	SC adult	
dryfrt2	Handfuls of dried fruit yesterday	SC adult	
frtdish2	Tablespoons of fruit in other dishes yesterday	SC adult	
frtjui2	Small glasses of fruit juice yesterday	SC adult	
nofruit2	No fruit or juice yesterday	SC adult	
porpul2	(D) Portion of pulses	Derived	Y
porsal2	(D) Portion of salad	Derived	Y
porveg2	(D) Portion of vegetables	Derived	Y
porvdsh2	(D) Portion of vegetables in composites	Derived	Y
pordry2	(D) Portion of dried fruit	Derived	Y
porfroz2	(D) Portion of frozen fruit/canned fruit	Derived	Y
porfdsh2	(D) Portion of fruit in composites	Derived	Y
porjce2	(D) Portion of fruit juice	Derived	Y
porfrt2	(D) Portion of all sized fresh fruit	Derived	Y
vegpor2	(D) Total portion of vegetables (inc.salad)	Derived	Y
frtpor2	(D) Total portion of fruit	Derived	Y
porfv2	(D) Total portion of fruit and veg	Derived	Y
porftvg2	(D) Grouped portions of fruit (inc.fruit juice) & veg yesterday	Derived	Y
fv5aday2	(D) No of portions of fruit and vegetables eaten yesterday	Derived	Y
fv52	(D) Eaten 5+ fruit or veg the previous day - binary	Derived	Y

Variable	Description	Source	Derived variable syntax provided
noftvg2	(D) Not eaten fruit or veg the previous day - binary	Derived	Y
EXERCISE			
exltnum	Light exercise – number of responses	SC adult	
exltmon	Light exercise Monday	SC adult	
exlttue	Light exercise Tuesday	SC adult	
exltwed	Light exercise Wednesday	SC adult	
exltthu	Light exercise Thursday	SC adult	
exltfri	Light exercise Friday	SC adult	
exltsat	Light exercise Saturday	SC adult	
exltsun	Light exercise Sunday	SC adult	
exltno	No light exercise in last 7 days	SC adult	
exerl	(D) No of days of light exercise	Derived	Y
exmodnum	Moderate exercise - number of responses	SC adult	
exmodmon	Moderate exercise Monday	SC adult	
exmodtue	Moderate exercise Tuesday	SC adult	
exmodwed	Moderate exercise Wednesday	SC adult	
exmodthu	Moderate exercise Thursday	SC adult	
exmodfri	Moderate exercise Friday	SC adult	
exmodsat	Moderate exercise Saturday	SC adult	
exmodsun	Moderate exercise Sunday	SC adult	
exmodno	No moderate exercise in last 7 days	SC adult	
exerm	(D) No of days of moderate exercise	Derived	Y
exvignum	Vigorous exercise – Number of responses	SC adult	
exvigmon	Vigorous exercise Monday	SC adult	
exvigtue	Vigorous exercise Tuesday	SC adult	
exvigwed	Vigorous exercise Wednesday	SC adult	
exvigthu	Vigorous exercise Thursday	SC adult	
exvigfri	Vigorous exercise Friday	SC adult	
exvigsat	Vigorous exercise Saturday	SC adult	
exvigsun	Vigorous exercise Sunday	SC adult	
exvigno	No vigorous exercise in the last 7 days	SC adult	
exerv	(D) No of days of vigorous exercise	Derived	Y
exercise	(D) At least 30 mins mod/vigorous exercise on 5+ days	Derived	Y
exergrp	(D) No of days at least 30 mins mod/vigorous exercise	Derived	Y
exergrp5	(D) No of days at least 30 mins mod/vigorous exercise (grouped)	Derived	Y
exerstr	(D) Most strenuous exercise done in last 7 days	Derived	Y
exer0	(D) 0 active days	Derived	Y
noex	(D) No exercise in last week - binary	Derived	Y
WELLBEING			
wbsatis	Life satisfaction.	SC Adult	
wbworth	Worthwhile.	SC Adult	
wbhappy	Happy yesterday.	SC Adult	
wbanx	Anxious yesterday.	SC Adult	
wbsatis1	(D) Life satisfaction.	Derived	Y
wbworth1	(D) Worthwhile.	Derived	Y
wbhappy1	(D) Happy yesterday.	Derived	Y
wbsatis2	(D) Life satisfaction.	Derived	Y
wbworth2	(D) Worthwhile.	Derived	Y
wbhappy2	(D) Happy yesterday.	Derived	Y
wbsatis3	(D) Life satisfaction.	Derived	Y
wbworth3	(D) Worthwhile.	Derived	Y
wbhappy3	(D) Happy yesterday.	Derived	Y
wbsatis4	(D) Life satisfaction.	Derived	Y
wbworth4	(D) Worthwhile.	Derived	Y

Variable	Description	Source	Derived variable syntax provided
wbhappy4	(D) Happy yesterday.	Derived	Y
wbanx1	(D) Anxious yesterday.	Derived	Y
wbanx2	(D) Anxious yesterday.	Derived	Y
wbanx3	(D) Anxious yesterday.	Derived	Y
wbanx4	(D) Anxious yesterday.	Derived	Y
WEIGHTING			
wt_hhold	Household NR weight	Derived	N/A
wt_adult	Individual NR weight	Derived	N/A

**Note: Variables in the 'FRUIT AND VEGETABLE' section contain a suffix of 2. From 2008, questions in this section were asked slightly differently to previous years. The suffix of 2 is used to distinguish these from variables in previous years.*

WHS 2014 Child Variable List

Variable	Description	Source	Derived variable syntax provided
SERIAL NUMBERS			
archhsn	Scrambled Household Serial	Derived	N/A
archpsn	Scrambled Person Serial	Derived	N/A
HOUSEHOLD CLASSIFICATION			
tenure3	(D) 3 class Housing Tenure	Derived	Y
hhdtypb	(D) Household Type	Derived	Y
nssec8	(D) NS-SEC 8 classes	Derived	N/A
nssec5	(D) NS-SEC 5 classes	Derived	N/A
nssec3	(D) NS-SEC 3 classes	Derived	N/A
region	Region	Derived	N/A
intmon	Month of interview	Hhold	
whsyear	whs year	Derived	Y
INDIVIDUAL CLASSIFICATION			
sex	Sex	Hhold	
childage	(D) Child age bands	Derived	Y
health	General Health	Hhold	
care	Need for care	Hhold	
genhlthc	Child's health in general	SC child	
vghth	(D) Very good or good health - binary	Derived	Y
limtdhlth	Are child's day to day activities limited by a health problem or disability	SC child	
lltilotc	(D) limited a lot by illness or disability	Derived	Y
lltianyc	(D) limited at all by illness or disability	Derived	Y
relat	Relationship to child	SC child	
GP SERVICES			
gp	Spoke to GP in last 2 weeks	SC child	
gpfreq	Times spoke to GP	SC child	
gppresc	Given prescription	SC child	
gpbi	(D) Talked to GP in last 2 weeks - binary	Derived	Y
HOSPITAL SERVICES			
casch	Used A&E / casualty in last 12 months	SC child	
cascbi	(D) Attended casualty in last 12 months - binary	Derived	Y
inpatch	Hospital inpatient in last 12 months	SC child	
inpatcbi	(D) Inpatient in last 12 months - binary	Derived	Y
daypatch	Hospital day patient in last 12 months	SC child	
daypcbi	(D) Day patient in last 12 months - binary	Derived	Y
outpatch	Hospital outpatient in last 12 months	SC child	
outpcbi	(D) Outpatient in last 12 months - binary	Derived	Y
OTHER SERVICES			
dentch	Dentist in last 12 months	SC child	
dencbi	(D) Dentist in last 12 months - binary	Derived	Y
orthch	Orthodontist in last 12 months	SC child	
orthcbi	(D) Orthodontist in last 12 months - binary	Derived	Y
cnursch	Health visitor, district nurse or community nurse in last 12 months	SC child	
cnurscbi	(D) Seen a health visitor, district or comm nurse - binary	Derived	Y
pnursch	Practice nurse at GP surgery in last 12 months	SC child	
pnurscbi	(D) Practice nurse - binary	Derived	Y
opticnch	Optician in last 12 months	SC child	
opticbi	(D) Visited an optician - binary	Derived	Y
speechch	Speech therapist in last 12 months	SC child	
speecbi	(D) Speech therapist - binary	Derived	Y
gpoutch	GP out of hours in last 12 months	SC child	

Variable	Description	Source	Derived variable syntax provided
gpoutcbi	(D) Seen a GP out of hours - binary	Derived	Y
nhsdirch	NHS Direct in last 12 months	SC child	
nhsdcbi	(D) Used the NHS direct helpline - binary	Derived	Y
pharmch	Pharmacist in last 12 months	SC child	
pharmcbi	(D) Used a pharmacist - binary	Derived	Y
ACCIDENTS			
acc	Hospital for accident, injury or poisoning in last 3 months	SC child	
accbi	(D) Hospital for accident, injury or poisoning in last 3 months - binary	Derived	Y
chfracq	Break or fracture	SC child	
chpoisq	Poisoning	SC child	
chconcq	Head injury with concussion	SC child	
chcutq	Cut	SC child	
chburnq	Burn	SC child	
chothacq	Other injury	SC child	
accplace	Where most recent accident, injury or poisoning took place	SC child	
chfrac	(D) Fracture in last 3 months	Derived	Y
chpoison	(D) Poisoning in last 3 months	Derived	Y
chconcus	(D) Head injury with concussion in last 3 months	Derived	Y
chcut	(D) Cut or puncture in last 3 months	Derived	Y
chburn	(D) Burn in last 3 months	Derived	Y
chothac	(D) Other injury in last 3 months	Derived	Y
ILLNESSES			
mrg_ills	(D) (Merged 2+) Number of currently treated illnesses	Derived	Y
chronic	(D) Any chronic illness currently treated	Derived	Y
lsill	Longstanding illness	SC child	
lsillbi	(D) Longstanding illness – binary	Derived	Y
lsicode1	Longstanding illness 1 - ICD code	SC child	
lsicode2	Longstanding illness 2 - ICD code	SC child	
lsicode3	Longstanding illness 3 - ICD code	SC child	
lsicode4	Longstanding illness 4 - ICD code	SC child	
lsicode5	Longstanding illness 5 - ICD code	SC child	
lsicode6	Longstanding illness 6 - ICD code	SC child	
lsichp1	(D) Longstanding illness 1 - ICD chapter	Derived	N/A
lsichp2	(D) Longstanding illness 2 - ICD chapter	Derived	N/A
lsichp3	(D) Longstanding illness 3 - ICD chapter	Derived	N/A
lsichp4	(D) Longstanding illness 4 - ICD chapter	Derived	N/A
lsichp5	(D) Longstanding illness 5 - ICD chapter	Derived	N/A
lsichp6	(D) Longstanding illness 6 - ICD chapter	Derived	N/A
llti	Longstanding illness limits child	SC child	
lltibi	(D) Longstanding illness limits child - binary	Derived	Y
llticde1	Limiting lti 1 - ICD code	SC child	
llticde2	Limiting lti 2 - ICD code	SC child	
llticde3	Limiting lti 3 - ICD code	SC child	
chllsti	(D) Any limiting longstanding illness	Derived	Y
chasthma	(D) Asthma as long-standing illness	Derived	Y
chresp	(D) Any respiratory condition currently treated	Derived	Y
chskin	(D) Skin complaint as long-standing illness	Derived	Y
chmental	(D) Mental illness as a long-standing illness	Derived	Y
lltichp1	(D) Limiting longstanding illness 1 - ICD chapter	Derived	N/A
lltichp2	(D) Limiting longstanding illness 2 - ICD chapter	Derived	N/A
lltichp3	(D) Limiting longstanding illness 3 - ICD chapter	Derived	N/A
asthmac	Asthma - currently treated	SC child	
asthmabi	(D) Asthma currently treated – binary	Derived	Y
respothc	Other breathing problems - currently treated	SC child	

Variable	Description	Source	Derived variable syntax provided
respocbi	(D) Other breathing problems currently treated - binary	Derived	Y
skin	Skin complaints - currently treated	Sc child	
skinbi	(D) Skin complaints currently treated - binary	Derived	Y
ear	Ear complaints - currently treated	SC child	
earbi	(D) Ear complaints currently treated - binary	Derived	Y
eye	Eye complaints - currently treated	SC child	
eyebi	(D) Eye complaints currently treated – binary	Derived	Y
joint	Bone, joint, muscle problems - currently treated	SC child	
jointbi	(D) Bone, joint, muscles problems currently treated - binary	Derived	Y
mental	Anxiety, depression, mental illness - currently treated	SC child	
mentalbi	(D) Anxiety, depression, mental illness currently treated - binary	Derived	Y
illoth	Is child currently being treated for any other long term illness	SC child	
illcode	Other chronic illness - ICD code	SC child	
illchap	(D) Other chronic illness - ICD chapter	Derived	N/A
cutdown	Cut down on activities due to illness / injury last 2 weeks	SC child	
cutdays	Number of days cut down activities due to illness	SC child	
INFANT FEEDING			
brstever	Ever tried to breastfeed child	SC child	
evbrstfd	(D) Ever tried to breastfeed	Derived	Y
brstlast	How old was child at last breastfeed	SC child	
milkoth	How old was child when first had other milk from bottle or cup	SC child	
foodoth	How old was child when had other food apart from milk	SC child	
STRENGTHS AND DIFFICULTIES QUESTIONNAIRE			
sdqfeel	SDQ Considerate of other peoples feelings	SC child	
sdqhyper	SDQ Restless, overactive	SC child	
sdqaches	SDQ Often complains of headaches, stomach aches or sickness	SC child	
sdqshare	SDQ Share readily with other children	SC child	
sdqtempr	SDQ Often has temper tantrums or hot tempers	SC child	
sdqalone	SDQ Rather solitary, tends to play alone	SC child	
sdqobeys	SDQ Generally obedient, usually does what adults request	SC child	
sdqworry	SDQ Often seems worried	SC child	
sdqhelp	SDQ Helpful if someone is hurt	SC child	
sdqfidgt	SDQ Constantly fidgeting or squirming	SC child	
sdqpal	SDQ Has at least one good friend	SC child	
sdqfight	SDQ Often fights with other children or bullies them	SC child	
sdqsad	SDQ Often unhappy, down-hearted or tearful	SC child	
sdqliked	SDQ Generally liked by other children	SC child	
sdqdaze	SDQ Easily distracted, concentration wanders	SC child	
sdqcling	SDQ Nervous or clingy in new situations	SC child	
sdqkind	SDQ Kind to younger children	SC child	
sdqlies	SDQ Often lies or cheats	SC child	
sdqbulld	SDQ Picked on or bullied by other children	SC child	
sdqvols	SDQ Often volunteers to help others	SC child	
sdqthink	SDQ Thinks things out before acting	SC child	
sdqsteal	SDQ Steals from home, school, elsewhere	SC child	
sdqadult	SDQ Gets on better with adults than with other children	SC child	
sdqfears	SDQ Many fears easily scared	SC child	
sdqtend	SDQ Sees tasks through to the end	SC child	
sdq_pro	(D) SDQ Prosocial Behaviour Dimension Score (4-15's)	Derived	Y
sdq_hyp	(D) SDQ Hyperactivity Dimension Score (4-15's)	Derived	Y
sdq_emo	(D) SDQ Emotional Symptoms Dimension Score (4-15's)	Derived	Y
sdq_con	(D) SDQ Conduct Disorder Dimension Score (4-15's)	Derived	Y
sdq_pee	(D) SDQ Peer Problems Dimension Score (4-15's)	Derived	Y
sdq_tot	(D) SDQ Total Dimension Score (excl. Prosocial) (4-15's)	Derived	Y

Variable	Description	Source	Derived variable syntax provided
sdq_prog	(D) SDQ Prosocial behaviour dimension (grouped 6-10,5,0-4) (4-12's)	Derived	Y
sdq_hypg	(D) SDQ Hyperactivity dimension (grouped 0-5,6,7-10) (4-12's)	Derived	Y
sdq_emog	(D) SDQ Emotional Symptoms dimension (grouped 0-3,4,5-10) (4-12's)	Derived	Y
sdq_cong	(D) SDQ Conduct Disorder dimension (grouped 0-2,3,4-10) (4-12's)	Derived	Y
sdq_peeg	(D) SDQ Peer problems dimension (grouped 0-2,3,4-10) (4-12's)	Derived	Y
sdq_totg	(D) SDQ Total dimension (grouped 0-13,14-16,17-40) (4-12's)	Derived	Y
ssdqprog	(D) SDQ Prosocial behaviour dimension (grouped 6-10,5,0-4)(13-15's)	Derived	Y
ssdqhypg	(D) SDQ Hyperactivity dimension (grouped 0-5,6,7-10)(13-15's)	Derived	Y
ssdqemog	(D) SDQ Emotional Symptoms dimension (grouped 0-5,6,7-10)(13-15's)	Derived	Y
ssdqcong	(D) SDQ Conduct Disorder dimension (grouped 0-3,4,5-10)(13-15's)	Derived	Y
ssdqpeeg	(D) SDQ Peer problems dimension (grouped 0-3,4-5,6-10)(13-15's)	Derived	Y
ssdqtotg	(D) SDQ Total dimension (grouped 0-15,16-19,20-40)(13-15's)	Derived	Y
EATING HABITS			
fruit	Fruit - times eaten weekly	SC child	
veg	Vegetables - times eaten weekly	SC child	
sweets	Sweets / chocolate - times eaten weekly	SC child	
chips	Chips / fried potatoes - times eaten weekly	SC child	
crisps	Crisps - times eaten weekly	SC child	
skimmilk	Skim / semi-skim milk - times drank weekly	SC child	
fatmilk	Ordinary/full fat milk - times drank weekly	SC child	
dietcoke	Diet coke / low sugar drinks - times drank weekly	SC child	
coke	Coke / soft drinks containing sugar - times drank weekly	SC child	
water	Water - times drank weekly	SC child	
fruitday	(D) Eats fruit every day	Derived	Y
vegday	(D) Eats vegetables every day	Derived	Y
sweetday	(D) Eats sweets every day	Derived	Y
chipday	(D) Eats chips every day	Derived	Y
crispday	(D) Eats crisps every day	Derived	Y
skmlkday	(D) Drinks skimmed or semi-skimmed milk every day	Derived	Y
ftmlkday	(D) Drinks ordinary milk every day	Derived	Y
dcokeday	(D) Drinks diet coke every day	Derived	Y
cokeday	(D) Drinks coke every day	Derived	Y
waterday	(D) Drinks water every day	Derived	Y
fruitw	(D) Eats fruit weekly	Derived	Y
vegw	(D) Eats vegetables weekly	Derived	Y
sweetw	(D) Eats sweets weekly	Derived	Y
chipw	(D) Eats chips weekly	Derived	Y
crispw	(D) Eats crisps weekly	Derived	Y
skimlkw	(D) Drinks skimmed or semi-skimmed milk weekly	Derived	Y
ftmlkw	(D) Drink ordinary milk weekly	Derived	Y
dcokew	(D) Drink diet coke weekly	Derived	Y
cokew	(D) Drinks coke weekly	Derived	Y
waterw	(D) Drinks water weekly	Derived	Y
PHYSICAL ACTIVITY			
exmon	How much exercise Monday	SC child	
extue	How much exercise Tuesday	SC child	
exwed	How much exercise Wednesday	SC child	
exthu	How much exercise Thursday	SC child	
exfri	How much exercise Friday	SC child	
exsat	How much exercise Saturday	SC child	
exsun	How much exercise Sunday	SC child	
panone	(D) Number of days no physical activity taken	Derived	Y
pahour	(D) Number of days physically active for an hour or more	Derived	Y
pahr5d	(D) Physically active for an hour or more on 5 or more days	Derived	Y

Variable	Description	Source	Derived variable syntax provided
pahr7d	(D) Physically active for an hour or more every day	Derived	Y
WEIGHTING			
wt_hhold	Household NR weight	Derived	N/A
wt_child	Individual NR weight	Derived	N/A

Welsh Health Survey

2014

Derived Variable Specification

Contents

CLASSIFICATION 8

WHS YEAR 8
WHSYEAR: (D) WHS year 8
HOUSEHOLD 8
TENURE3: (D) 3 class Household Tenure 8
HHDTYPB: (D) Household type 8
HHCHILD: (D) Any children in household 9
AGE (ADULTS) 9
AGE5YRM: (D) 5 Year Age Bands with 75+ merged 9
AGE (CHILDREN) 10
CHILDAGE: (D) Child age bands 10
EMPLOYMENT STATUS 10
EMPLOY: (D) Employment status 10
ECSTAT: (D) Economic status 10
ECSTAT3: (D) Economic status – 3 classification 10
EDUCATION 11
QUALHI: (D) Level of Highest Educational Qualification 11

ACCIDENTS 12

ADULTS 12
ACCBI: (D) Hospital for accident, injury or poisoning in last 3 months – binary 12
FRACTURE: (D) Fracture in last 3 months 12
POISON: (D) Poisoning in last 3 months 12
CONCUS: (D) Head injury with concussion in last 3 months 12
CUT: (D) Cut or puncture in last 3 months 12
BURN: (D) Burn in last 3 months 12
OTHACC: (D) Other injury in last 3 months 12
CHILDREN 12
CHFRAC: (D) Fracture in last 3 months 12
CHPOISON: (D) Poisoning in last 3 months 12
CHCONCUS: (D) Head injury with concussion in last 3 months 12
CHCUT: (D) Cut or puncture in last 3 months 12
CHBURN: (D) Burn in last 3 months 12
CHOTHAC: (D) Other injury in last 3 months 13

ANTHROPOMETRIC MEASUREMENTS 14

ADULTS ONLY 14
HTCM: (D) Height : in cm - computed from Feet/inches if necessary 14
WTKG: (D) Weight: in kg - computed from Stones/pounds if necessary 14
BMI2: (D) Body Mass Index (excl pregnant women) 14
BMILEV2: (D) Body Mass Index classification (excl pregnant women) 14
BMIMORB2: (D) Body Mass Index classification (excl pregnant women) (incl. 40+) 15
BMIOWOB2: (D) BMI Overweight or obese (excl pregnant women) 15
BMIOBES2: (D) BMI Obese (excl pregnant women) 15

ALCOHOL 16

EVERDR: (D) Whether drank in last 12 months 16
FREQAL3: (D) How often had an alcoholic drink - 3 categories 16
ALCDRBI: (D) Any alcoholic drink in last 7 days - binary 16

ALCDRBI0: (D) Any alcoholic drink in last 7 days (incl. never drinks) 16
NPINUNI: (D) Units of normal beer - pint 16
NLCAUNI: (D) Units of normal beer - large cans 16
NSCAUNI: (D) Units of normal beer - small cans 16
SPINUNI: (D) Units of strong beer - pint 16
SLCAUNI: (D) Units of strong beer - large cans 16
SSCAUNI: (D) Units of strong beer - small cans 16
WLUNI: (D) Units of wine - large glasses 16
WSTUNI: (D) Units of wine - standard glasses 16
WSMUNI: (D) Units of wine - small glasses 16
WBUNI: (D) Units of wine - bottles 16
ALCOUNI: (D) Units of alcopops 17
UNITS: (D) Number of units on the heaviest drinking day in the last week 17
UNITS0: (D) Number of units on the heaviest drinking day (incl. never drinks) 17
ALC4: (D) Level of maximal daily alcohol consumption (incl. never drinks) 17
ALC5: (D) Maximum drank last week (incl. never drinks) 18
ALC6: (D) max daily consumption last week incl very heavy drinking 18
ALCAGBI: (D) Maximum daily alcohol consumption: above guidelines - binary 18
ALCBIBI: (D) Maximum daily alcohol consumption: binge - binary 18
ALCVHBI: (D) Very heavy drinking over 3 times guidelines 19

EATING HABITS 20

CHILDREN ONLY 20
FRUITDAY: (D) Eats fruit every day 20
VEGDAY: (D) Eats vegetables every day 20
SWEETDAY: (D) Eats sweets every day 20
CHIPDAY: (D) Eats chips every day 20
CRISPDAY: (D) Eats crisps every day 20
SKMLKDAY: (D) Drinks skimmed or semi-skimmed milk every day 20
FTMLKDAY: (D) Drinks ordinary milk every day 20
DCOKEDAY: (D) Drinks diet coke every day 20
COKEDAY: (D) Drinks coke every day 20
WATERDAY: (D) Drinks water every day. 20
FRUITW: (D) Eats fruit weekly 20
VEGW: (D) Eats vegetables weekly 20
SWEETW: (D) Eats sweets weekly 20
CHIPW: (D) Eats chips weekly 20
CRISPW: (D) Eats crisps weekly 20
SKIMLKW: (D) Drinks skimmed or semi-skimmed milk weekly 20
FTMLKW: (D) Drinks ordinary milk weekly 20
DCOKEW: (D) Drinks diet coke weekly 20
COKEW: (D) Drinks coke weekly 20
WATERW: (D) Drinks water weekly 20

FRUIT AND VEGETABLE CONSUMPTION 22

ADULTS ONLY 22
PORPUL2: (D) Portion of pulses 22
PORSAL2: (D) Portion of salad 22
PORVEG2: (D) Portion of vegetables 22
PORVDSH2: (D) Portion of vegetables in composites 22
PORJCE2: (D) Portion of fruit juice 22
PORFRT2: (D) Portion of all sized fruit 22
PORDRY2: (D) Portion of dried fruit 22
PORFROZ2: (D) Portion of frozen fruit/canned fruit 22
PORFDSH2: (D) Portion of fruit in composites 22
PORFTVG2: (D) Grouped portions of fruit (inc. fruit juice) & veg yesterday 22
VEGPOR2: (D) Total portion of vegetables (inc. salad) 22
FRTPOR2: (D) Total portion of fruit 22
PORFV2: (D) Total portion of fruit and veg. 22
FV5ADAY2: (D) No of portions of fruit & vegetables eaten yesterday 23
FV52: (D) Eaten 5+ fruit or veg the previous day - binary 23
NOFTVG2: (D) Not eaten fruit or veg the previous day - binary 23

PHYSICAL ACTIVITY 24

CHILDREN 24
PANONE: (D) Number of days no physical activity taken 24
PAHOUR: (D) Number of days active for hour or more 24
PAHR5D: (D) Physically active for an hour or more on 5 or more days 24
PAHR7D: (D) Physically active for an hour or more every day 24
ADULTS 24
EXERL: (D) No of days light exercise 24
EXERM: (D) No of days moderate exercise 24
EXERV: (D) No of days vigorous exercise 24
EXERCISE: (D) At least 30 minutes moderate/vigorous exercise on 5+ days 25
EXERGRP: (D) No of days at least 30 minutes moderate/vigorous exercise 25
EXERGRP5: (D) No of days at least 30 minutes moderate/vigorous exercise 25
EXERSTR: (D) Most strenuous exercise done in last 7 days 26
EXER0: (D) 0 active days 26
NOEX: (D) No exercise in last week - binary 26

GENERAL HEALTH 27

ILLNESS - ADULTS 27
HEART: (D) Any heart condition 27
HEARTBP: (D) Any heart condition including high blood pressure 27
RESP: (D) Any respiratory condition 27
MENTAL: (D) Any mental condition 27
MRG_ILLS: (D) (Merged 2+) Number of currently treated illnesses 27
CHRONIC: (D) Any chronic condition 28
HRTATTBI: (D) Ever had heart attack - binary 28
STROKBI: (D) Ever had stroke - binary 28
CANCBI : (D) Ever had cancer - binary 28
ANGBI: (D) Currently treated for angina - binary 28
HRTFAIBI: (D) Currently treated for heart failure - binary 28
HBPBI : (D) Currently treated for high blood pressure - binary 28
HTOTHBI: (D) Currently treated for other heart condition - binary 28
ASTHMABI: (D) Currently treated for asthma - binary 28
EMPHBI: (D) Currently treated for emphysema - binary 28
PLEURBI: (D) Currently treated for pleurisy - binary 28
BRONBI: (D) Currently treated for bronchitis - binary 28
RESPOTBI: (D) Currently treated for other respiratory illness - binary 28
DEPBI: (D) Currently treated for depression - binary 28
ANXBI: (D) Currently treated for anxiety - binary 28
MENTOTBI: (D) Currently treated for other mental illness - binary 28
ARTHBI: (D) Currently treated for arthritis - binary 28
BACKBI: (D) Currently treated for back pain - binary 28
EPIBI: (D) Currently treated for epilepsy - binary 28
VVEINBI: (D) Currently treated for varicose veins - binary 28
DIABBI: (D) Currently treated for diabetes – binary 28
LLTILOT: (D) Limited a lot by illness or disability 29
LLTIANY: (D) Limited at all by illness or disability 29
GENERAL HEALTH - ADULTS 29
FPHTH: (D) Fair or poor health - binary 29
STOMBI: (D) Stomach upset with diarrhoea in last 3 months 29
EYESIGHT: (D) Eyesight difficulty - binary 30
HEARBI: (D) Difficulty with hearing - binary 30
TEETHBI: (D) How many natural teeth do you have - binary 30
ILLNESSES - CHILDREN 30
ASTHMABI: (D) Asthma currently treated - binary 30
RESPOCBI: (D) Other breathing problems currently treated - binary 30
SKINBI: (D) Skin complaints currently treated - binary 30
EARBI: (D) Ear complaints currently treated - binary 30
EYEBI: (D) Eye complaints currently treated – binary 30
JOINTBI: (D) Bone, joint, muscles problems currently treated - binary 30
MENTALBI: (D) Anxiety, depression, mental illness currently treated - binary 30
CHRESP: (D) Any respiratory condition currently treated 31

CHASTHMA: (D) Asthma as long-standing illness 31
CHSKIN: (D) Skin complaint as long-standing illness 31
CHMENTAL: (D) Mental illness as long-standing illness 31
CHLLSTI: (D) Any limiting long-standing illness 31
LSILLBI: (D) Longstanding illness – binary 32
LLTIBI: (D) Longstanding illness limits child - binary 32
MRG_ILLS: (D) (Merged 2+) Number of currently treated illness 32
CHRONIC: (D) Any chronic illness currently treated 32
GENERAL HEALTH - CHILDREN 32
VGHTH: (D) Very good or good health - binary 32
LLTILOTC: (D) Limited a lot by illness or disability 33
LLTIANYC: (D) Limited at all by illness or disability 33
UNTREATED ILLNESS - ADULTS 33
UNTILL: (D) Number of untreated problems or symptoms. 33
UNTILLBI: (D) Any untreated problem or symptom. 33
CARERS 33
CARER: (D) Whether a carer 33
INFANT FEEDING (0-3 YEAR OLDS) 34
EVBRSTFD: (D) Ever tried to breastfeed 34
MEDICINES - ADULTS 34
MEDBI: (D) Bought medicine in last 4 weeks – binary 34
PRESCMBI: (D) Regular prescribed medication – binary 34
STRENGTHS AND DIFFICULTIES (4-15 YEAR OLDS) 34
SDQ_PRO: (D) SDQ Prosocial Dimension Score (4-15's) 34
SDQ_HYP: (D) SDQ Hyperactivity Dimension Score (4-15's) 34
SDQ_EMO: (D) SDQ Emotional Symptoms Dimension Score (4-15's) 34
SDQ_CON: (D) SDQ Conduct Disorder Dimension Score (4-15's) 34
SDQ_PEE: (D) SDQ Peer Problems Dimension Score (4-15's) 34
SDQ_TOT: (D) SDQ Total Dimension Score (excl. Prosocial) (4-15's) 34
SDQ_PROG: (D) SDQ Prosocial Dimension Score (Grouped) (4-12's) 34
SDQ_HYPG: (D) SDQ Hyperactivity Dimension Score (Grouped) (4-12's) 34
SDQ_EMOG: (D) SDQ Emotional Symptoms Dimension Score (Grouped) (4-12's) 34
SDQ_CONG: (D) SDQ Conduct Disorder Dimension Score (Grouped) (4-12's) 35
SDQ_PEEG: (D) SDQ Peer Problems Dimension Score (Grouped) (4-12's) 35
SDQ_TOTG: (D) SDQ Total Dimension Score (excl. Prosocial) (Grouped) (4-12's) 35
SSDQPROG: (D) SDQ Prosocial Dimension Score (Grouped) (13-15's) 36
SSDQHYPG: (D) SDQ Hyperactivity Dimension Score (Grouped) (13-15's) 36
SSDQEMOG: (D) SDQ Emotional Symptoms Dimension Score (Grouped) (13-15's) 37
SSDQCONG: (D) SDQ Conduct Disorder Dimension Score (Grouped) (13-15's) 37
SSDQPEEG: (D) SDQ Peer Problems Dimension Score (Grouped) (13-15's) 37
SSDQTOTG: (D) SDQ Total Dimension Score (excl. Prosocial) (Grouped) (13-15's) 37
SF12 - ADULTS 37
SF12PF: (D) SF12v2 Physical functioning score 37
SF12RP: (D) SF12v2 Role-physical score 37
SF12BP: (D) SF12v2 Bodily pain score 37
SF12GH: (D) SF12v2 General health score 37
SF12VT: (D) SF12v2 Vitality score 37
SF12SF: (D) SF12v2 Social functioning score 37
SF12RE: (D) SF12v2 Role-emotional score 38
SF12MH: (D) SF12v2 Mental health score 38
SF12PCS: (D) SF12v2 Physical Component Score. 39
SF12MCS: (D) SF12v2 Mental Component Score. 39
SF12PFNB: (D) SF12v2 Physical functioning score (norm-based). 39
SF12RPNB: (D) SF12v2 Role-physical score (norm-based). 39
SF12BPNB: (D) SF12v2 Bodily pain score (norm-based). 39
SF12GHNB: (D) SF12v2 General health score (norm-based). 39
SF12VTNB: (D) SF12v2 Vitality score (norm-based). 39
SF12SFNB: (D) SF12v2 Social functioning score (norm-based). 39
SF12RENB: (D) SF12v2 Role-emotional score (norm-based). 39
SF12MHNB: (D) SF12v2 Mental health score (norm-based). 39
SF36 - ADULTS 40
SF36PF: (D) SF36 Physical functioning score 40
SF36RP: (D) SF36 Role-physical score 40
SF36BP: (D) SF36 Bodily pain score 40
SF36GH: (D) SF36 General health score 40
SF36VT: (D) SF36 Vitality score 40

SF36SF: (D) SF36 Social functioning score 40
SF36RE: (D) SF36 Role-emotional score 40
SF36MH: (D) SF36 Mental health score 40
SF36PCS: (D) SF36 Physical component score 42
SF36MCS: (D) SF36 Mental component score 42
SF36PFNB: (D) SF36 Physical functioning score (norm-based). 42
SF36RPNB: (D) SF36 Role-physical score (norm-based). 42
SF36BPNB: (D) SF36 Bodily pain score (norm-based). 42
SF36GHNB: (D) SF36 General health score (norm-based)" 42
SF36VTNB: (D) SF36 Vitality score (norm-based). 42
SF36SFNB: (D) SF36 Social functioning score (norm-based). 42
SF36RENB: (D) SF36 Role-emotional score (norm-based). 42
SF36MHNB: (D) SF36 Mental health score (norm-based). 42
USE OF SERVICES - ADULTS 43
DENBI: (D) Visited a dentist in the last 12 months - binary 43
CHIRBI: (D) Seen a chiropodist in the last 12 months – binary 43
PHYSBI: (D) Seen a physiotherapist in the last 12 months - binary 43
OSTEOBI: (D) Seen an osteopath/chiropractor in the last 12 months - binary 43
OPTIBI: (D) Visited an optician - binary 43
CNBI: (D) Seen a health visitor, district or comm nurse – binary 43
GPOUTBI: (D) Seen a GP out of hours – binary 43
NHSBI: (D) Used the NHS direct helpline – binary 43
PHARBI: (D) Used a pharmacist - binary 43
GPBI: (D) Talked to GP in last 2 weeks - binary 43
PNURSBI: (D) Saw practice nurse in last 2 weeks - binary 43
CAS12MBI: (D) Attended casualty in last 12 months - binary 43
OUT12MBI: (D) Outpatient in last 12 months - binary 44
DAYPATBI: (D) Day patient in last 12 months - binary 44
INPATBI: (D) Inpatient in last 12 months - binary 44
DENTWHBI: '(D) Ever goes to the dentist 44
USE OF SERVICES - CHILDREN 44
GPBI: (D) Talked to GP in last 2 weeks - binary 44
CASCBI: (D) Attended casualty in last 12 months - binary 44
INPATCBI: (D) Inpatient in last 12 months - binary 44
DAYPCBI: (D) Day patient in last 12 months - binary 44
OUTPCBI: (D) Outpatient in last 12 months - binary 44
DENCBI: (D) Dentist in last 12 months - binary 44
ORTHCBI: (D) Orthodontist in last 12 months - binary 44
CNURSCBI: (D) Seen a health visitor, district or comm nurse - binary 44
PNURSCBI: (D) Practice nurse - binary 44
OPTICBI: (D) Visited an optician - binary 44
SPEECBI: (D) Speech therapist - binary 44
GPOUTCBI: (D) Seen a GP out of hours - binary 44
NHSDCBI: (D) Used the NHS direct helpline - binary 44
PHARMCBI: (D) Used a pharmacist - binary 44
ACCBI: (D) Hospital for accident, injury or poisoning in last 3 months - binary 44

SMOKING 46

SMOKEC: (D) Currently smoke either daily or occasionally 46
SMOKED: (D) Currently smoke daily 46
SMOKEE: (D) Ever smoked 46
SMOKSTAT: (D) Smoking status 46
SMOKEX: (D) Ex-smoker 46
SMOKOUT: (D) Whether smoke outdoors 46
SMOKIN: (D) Whether smoke indoors 47
TRYGUPBI: (D) Tried to give up smoking - binary 47
LIKGUPBI: (D) Would like to give up smoking - binary 47
EXOUALL: (D) Exposed to smoke outdoors - all 47
EXOUNSM: (D) Exposed to smoke outdoors - non-smokers only 47
EXINALL: (D) Exposed to smoke indoors - all 47
EXINNSM: (D) Exposed to smoke indoors - non-smokers only 48
EXPOALL: (D) Exposed to smoke - all 48
EXPONSM: (D) Exposed to smoke - non-smokers only 48
STPSMK1m (D) gave up smoking at least one month ago 48
STPSMK1Y (D) Gave up smoking at least one year ago 48

WELLBEING **50**

ADULTS ONLY 50
WBSATIS1 (D) Life satisfaction. 50
WBWORTH1 (D) Worthwhile. 50
WBHAPPY1 (D) Happy yesterday. 50
WBSATIS2 (D) Life satisfaction. 50
WBWORTH2 (D) Worthwhile. 50
WBHAPPY2 (D) Happy yesterday. 50
WBSATIS3 (D) Life satisfaction. 50
WBWORTH3 (D) Worthwhile. 50
WBHAPPY3 (D) Happy yesterday. 50
WBSATIS4 (D) Life satisfaction. 51
WBWORTH4 (D) Worthwhile. 51
WBHAPPY4 (D) Happy yesterday. 51
WBANX1 (D) Anxious yesterday. 51
WBANX2 (D) Anxious yesterday. 51
WBANX3 (D) Anxious yesterday. 51
WBANX4 (D) Anxious yesterday. 51

Classification

WHS year

WHSYEAR: (D) WHS year

2003/04
2004/05
2005/06
2007
2008
2009
2010
2011
2012
2013
2014

```
SPSS Syntax
COMPUTE whsyear = !whsyear.
  format whsyear (f8).
  VARIABLE LABELS whsyear 'whs year' .
  value lables whsyear 1'2003/04' 2'2004/05' 3 '2005/06' 4 '2007' 5 '2008' 6 '2009' 7 '2010' 8 '2011' 9
'2012' 10 '2013' 11 '2014'.
```

Household

TENURE3: (D) 3 class Household Tenure

1 Owner Occupier
2 Social Renting
3 Private renting/Other

```
Programmer Syntax
%vst tenure3=-1
%vst if (accom.eq.1) tenure3=1
%vst if (accom.in.(2,3)) tenure3=2
%vst if (accom.in.(4,5)) tenure3=3
```

HHDTYPB: (D) Household type

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

HHDTYPB variable created on combined file where all household information available, then matched back to adult and children productive files

```
SPSS Syntax
RECODE hhage (16 thru 59=1)(ELSE=0) INTO ad1659.
RECODE hhage (60 thru hi=1)(ELSE=0) INTO ad60.
AGGREGATE OUTFILE="C:\temp\hhdtypb.sav"
/break=hserial hq1 hq3
/adyoung=SUM(ad1659)
/adold=SUM(ad60).
GET FILE="C:\temp\hhdtypb.sav".
COMPUTE hhdtypb=-9.
```

```
IF hq1=1 & adyoung=1 & hq3=0 hhdtypb=1.
IF hq1=2 & adyoung=2 & hq3=0 hhdtypb=2.
IF hq1=1 & adold=1 & hq3=0 hhdtypb=7.
IF hq1=2 & adold>=1 & hq3=0 hhdtypb=6.
IF ANY(hq1,1,2) & ANY(hq3,1,2) hhdtypb=3.
IF hq1>=3 & ANY(hq3,0,1) hhdtypb=5.
IF (hq1>=1 & hq3>=3) | (hq1>=3 & hq3=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".
```

HHCHILD: (D) Any children in household

1 Household with child(ren)
2 Household with no children

```
SPSS Syntax
recode childnum (1 thru hi=1) (0=2) (-9=2) (else=copy) into hhchild.
variable labels hhchild "(D) Any children in household".
value labels hhchild
 1 "Household with child(ren)"
 2 "Household with no children".
```

Age (Adults)

AGE5YRM: (D) 5 Year Age Bands with 75+ merged

1 16-19
2 20-24
3 25-29
4 30-34
5 35-39
6 40-44
7 45-49
8 50-54
9 55-59
10 60-64
11 65-69
12 70-74
13 75+

```
Programmer Syntax
%vst if (ageq.in.(16:19)) age5yrm=01
%vst if (ageq.in.(20:24)) age5yrm=02
%vst if (ageq.in.(25:29)) age5yrm=03
%vst if (ageq.in.(30:34)) age5yrm=04
%vst if (ageq.in.(35:39)) age5yrm=05
%vst if (ageq.in.(40:44)) age5yrm=06
%vst if (ageq.in.(45:49)) age5yrm=07
%vst if (ageq.in.(50:54)) age5yrm=08
%vst if (ageq.in.(55:59)) age5yrm=09
%vst if (ageq.in.(60:64)) age5yrm=10
%vst if (ageq.in.(65:69)) age5yrm=11
%vst if (ageq.in.(70:74)) age5yrm=12
%vst if (ageq.ge 75) age5yrm=13
```

Age (Children)

CHILDAGE: (D) Child age bands

1 0-3
2 4-12
3 13-15

```
SPSS Syntax
recode age (0 thru 3=1)(4 thru 12=2)(13 thru 15=3)(else=copy) into childage.
variable labels childage "(D) Child age bands".
value labels childage
  1 "0-3"
  2 "4-12"
  3 "13-15".
```

Employment Status

EMPLOY: (D) Employment status

1 In employment
2 Not in employment

```
SPSS Syntax
recode work (1, 5 thru 11=2)(2 thru 4=1)(else=copy) into employ.
variable labels employ "(D) Whether in employment".
value lables employ
  1 "In employment"
  2 "Not in employment".
```

ECSTAT: (D) Economic status

1 Economically active
2 Economically inactive

```
SPSS Syntax
recode work (1, 7 thru 11=2)(2 thru 6=1)(else=copy) into ecstat.
variable labels ecstat "(D) Economic status".
value lables ecstat
  1 "Economically active"
  2 "Economically inactive".
```

ECSTAT3: (D) Economic status – 3 classification

1 In employment
2 Unemployed
3 Economically inactive

```
SPSS Syntax
recode work (1, 7 thru 11=3)(5 thru 6=2)(2 thru 4=1)(else=copy) into ecstat3.
variable labels ecstat3 "(D) Economic status - 3 classification".
value lables ecstat3
  1 "In employment"
  2 "Unemployed"
  3 "Economically inactive".
```

Education

QUALHI: (D) Level of Highest Educational Qualification

0 No qualifications
1 Other qualifications
2 Degree/degree equivalent and above

```
Programmer Syntax
%vst qualhi=-9
%vst if (q51(8).eq.1) qualhi=2
%vst + else; if (q51(1).eq.1.or.q51(2).eq.1.or.q51(3).eq.1.or.q51(4).eq.1
%vst ++.or.q51(5).eq.1.or.q51(6).eq.1.or.q51(7).eq.1.or.q51(9).eq.1.or.q51(10).eq.1.or.q51(11).eq.1
%vst ++.or.q51(12).eq.1)  qualhi=1
%vst + else; if (q51(13).eq.1)  qualhi=0
variable labels qualhi "(D) Level of highest educational qualification".
value lables qualhi
  0 "No qualifications"
  1 "Other qualifications"
  2 "Degree/degree equivalent and above".
```

Accidents

Adults

ACCBI: (D) Hospital for accident, injury or poisoning in last 3 months – binary

0 No
1 Yes

```
SPSS syntax
recode acc(1=1)(2=0)(else=copy) into accbi.
var lab accbi '(D) Hospital for accident, injury or poisoning in last 3 months - binary'.
val lab accbi 0 'No' 1 'Yes'.
```

FRACTURE: (D) Fracture in last 3 months
POISON: (D) Poisoning in last 3 months
CONCUS: (D) Head injury with concussion in last 3 months
CUT: (D) Cut or puncture in last 3 months
BURN: (D) Burn in last 3 months
OTHACC: (D) Other injury in last 3 months

1 Yes
2 No
3 No accident or injury in last 3 months

Accident variables all have the same value labels

```
SPSS syntax
recode fracq (0=2)(else=copy) into fracture.
recode poisq (0=2)(else=copy) into poison.
recode concusq (0=2)(else=copy) into concus.
recode cutq (0=2)(else=copy) into cut.
recode burnq (0=2)(else=copy) into burn.
recode othaccq (0=2)(else=copy) into othacc.
do repeat xxacc=fracture poison concus cut burn othacc.
if acc=2 xxacc=3.
if acc=-9 xxacc=-9.
 end repeat.
variable labels fracture "(D) Fracture in last 3 months".
variable labels poison "(D) Poisoning  in last 3 months".
variable labels concus "(D) Head injury with concussion in last 3 months".
variable labels cut "(D) Cut or puncture in last 3 months".
variable labels burn "(D) Burn in last 3 months".
variable labels othacc "(D) Other injury in last 3 months".
value labels fracture to othacc
 1 'Yes'
 2 'No'
 3 'No accident or injury in last 3 months'.
```

Children

CHFRAC: (D) Fracture in last 3 months
CHPOISON: (D) Poisoning in last 3 months
CHCONCUS: (D) Head injury with concussion in last 3 months
CHCUT: (D) Cut or puncture in last 3 months
CHBURN: (D) Burn in last 3 months

CHOTHAC: (D) Other injury in last 3 months

1 Yes
2 No
3 No accident or injury in last 3 months

Accident variables all have the same value labels

```
SPSS Syntax
recode chfracq (0=2)(else=copy) into chfrac.
recode chpoisq (0=2)(else=copy) into chpoison.
recode chconcq (0=2)(else=copy) into chconcus.
recode chcutq (0=2)(else=copy) into chcut.
recode chburnq (0=2)(else=copy) into chburn.
recode chothacq (0=2)(else=copy) into chothac.
do repeat xxacc=chfrac chpoison chconcus chcut chburn chothac.
if acc=2 xxacc=3.
if acc=-9 xxacc=-9.
end repeat.
variable labels chfrac "(D) Fracture in last 3 months".
variable labels chpoison "(D) Poisoning  in last 3 months".
variable labels chconcus "(D) Head injury with concussion in last 3 months".
variable labels chcut "(D) Cut or puncture in last 3 months".
variable labels chburn "(D) Burn in last 3 months".
variable labels chothac "(D) Other injury in last 3 months".
value labels chfrac to chothac
 1 'Yes'
 2 'No'
 3 'No accident or injury in last 3 months'.
```

Anthropometric Measurements

Adults' height and weight values were self reported

Adults only

HTCM: (D) Height : in cm - computed from Feet/inches if necessary

```
Programmer Syntax
%vst HTCM=-1
%vst if (htmet.eq.-9.or.htft.eq.-9.or.htin.eq.-9) HTCM=-9
%vst if (htmet.eq.-8.or.htft.eq.-8.or.htin.eq.-8) HTCM=-8
%vst /* If Height given in CMs - take that from Htmet
%vst if (htmet.gt.0) HTCM=Htmet
%vst /* If Height given in Feet/inches - compute height in cms
%vst if (htft.ge.0.and.htin.ge.0)
%vst + HTCM=((htft*12.0)+htin) * 2.54
```

WTKG: (D) Weight: in kg - computed from Stones/pounds if necessary

```
Programmer Syntax
%vst WTKG=-1
%vst if (wtmet.eq.-9.or.wtst.eq.-9.or.wtpd.eq.-9) WTKG=-9
%vst if (wtmet.eq.-8.or.wtst.eq.-8.or.wtpd.eq.-8) WTKG=-8
%vst /* If weight given in kgs - take that from Wtmet
%vst if (wtmet.gt.0) WTKG=Q41b
%vst /* If weight given in stones/pounds - compute weight in kgs
%vst if (wtst.ge.0.and.wtpd.ge.0)
%vst + WTKG=(((wtst*14.0)+wtpd) * 4.536 ) * 0.1
```

BMI2: (D) Body Mass Index (excl pregnant women)

```
SPSS Syntax
COMPUTE bmi2=-1.
IF htcm>0 & wtkg>0 bmi2=(wtkg*100*100)/(htcm*htcm).
IF any(-9,htcm,wtkg) bmi2=-9.
IF any(-8,htcm,wtkg) bmi2=-8.
if pregw=1 bmi2=-9.
variable labels bmi2 "(D) Body Mass Index (excl pregnant women)".
```

BMILEV2: (D) Body Mass Index classification (excl pregnant women)

1 Less than 18.5 - underweight
2 18.5 to under 25 – healthy weight
3 25 to under 30 - overweight
4 30 and over - obese

```
SPSS Syntax
RECODE bmi2 (30 thru hi=4)(25 thru 30=3)(18.5 thru 25=2)(0 thru 18.5=1)
  (else=COPY) INTO bmilev2.
variable labels bmilev2 "(D) Body Mass Index classification (excl pregnant women)".
value labels bmilev2
 1 "less than 18.5 - underweight"
 2 "18.5 to under 25 - healthy weight"
 3 "25 to under 30 - overweight"
 4 "30 and over - obese".
```

BMIMORB2: (D) Body Mass Index classification (excl pregnant women) (incl. 40+)

1 Less than 18.5 - underweight
2 18.5 to under 25 – healthy weight
3 25 to under 30 - overweight
4 30 to under 40- obese
5 40 and over – morbidly obese

```
SPSS Syntax
RECODE bmi2 (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 bmimorb2.
variable labels bmimorb2 "(D) Body Mass Index classification (excl pregnant women) (incl. 40+)".
value labels bmimorb2
 1 "less than 18.5 - underweight"
 2 "18.5 to under 25 - healthy weight"
 3 "25 to under 30 - overweight"
 4 "30 to under 40 - obese"
 5 "40 and over - morbidly obese".
```

BMIOWOB2: (D) BMI Overweight or obese (excl pregnant women)

0 No
1 Yes

```
SPSS Syntax
recode bmi2 (25 thru hi=1)(0 thru 25=0)(else=copy) into bmiowob2.
var lab bmiowob2"(D) BMI Overweight or obese (excl pregnant women)".
val lab bmiowob2 0 'No' 1 'Yes’.
```

BMIOBES2: (D) BMI Obese (excl pregnant women)

0 No
1 Yes

```
SPSS Syntax
recode bmi2 (30 thru hi=1)(0 thru 30=0)(else=copy) into bmiobese2.
var lab bmiobese2 "(D) BMI obese (excl pregnant women)".
val lab bmiobese2 0 'No' 1 'Yes'.
```

Alcohol

EVERDR: (D) Whether drank in last 12 months

0 No
1 Yes

```
SPSS Syntax
recode freqalc (1 thru 7=1) (8=0) (else=copy) into everdr.
var label everdr "(D) Whether drank in last 12 months".
val labels everdr
 1 "Yes"
 0 "No".
```

FREQAL3: (D) How often had an alcoholic drink - 3 categories

1 Weekly
2 Less than weekly
3 Not at all

```
SPSS Syntax
recode freqalc (1 thru 4=1) (5 thru 7=2) (8=3) (else=copy) into freqal3.
var labels freqal3 "(D) How often had an alcoholic drink - 3 categories".
val labels freqal3
 1 "Weekly"
 2 "Less than weekly"
 3 "Not at all".
```

ALCDRBI: (D) Any alcoholic drink in last 7 days - binary

0 No
1 Yes

```
SPSS Syntax
recode alcodrink (1=1)(2=0)(else=copy) into alcdrbi.
var lab alcdrbi '(D) Any alcoholic drink in last 7 days - binary'.
val lab alcdrbi 0 'No' 1 'Yes'.
```

ALCDRBI0: (D) Any alcoholic drink in last 7 days (incl. never drinks)

0 No
1 Yes

```
SPSS Syntax
recode alcodrink (1=1) (2=0) (else=copy) into alcdrbi0.
if freqalc=8 alcdrbi0=0.
var label alcdrbi0 "(D) Any alcoholic drink in last 7 days (incl.never drinks)".
val labels alcdrbi0
 0 "No"
 1 "Yes".
```

NPINUNI: (D) Units of normal beer - pint
NLCAUNI: (D) Units of normal beer - large cans
NSCAUNI: (D) Units of normal beer - small cans
SPINUNI: (D) Units of strong beer - pint
SLCAUNI: (D) Units of strong beer - large cans
SSCAUNI: (D) Units of strong beer - small cans
WLUNI: (D) Units of wine - large glasses
WSTUNI: (D) Units of wine - standard glasses
WSMUNI: (D) Units of wine - small glasses
WBUNI: (D) Units of wine - bottles

ALCOUNI: (D) Units of alcopops

```
SPSS Syntax
if normpint>=0 npinuni=normpint*2.
if normlcan>=0 nlcauni=normlcan*2.
if normscan>=0 nscauni=normscan*1.5.
if strpint>=0 spinuni=strpint*4.
if strlcan>=0 slcauni=strlcan*3.
if strscan>=0 sscauni=strscan*2.
if winelar>=0 wluni=winelar*3.0.
if winesta>=0 wstuni=winesta*2.0.
if winesma>=0 wsmuni=winesma*1.5.
if winebot>=0 wbuni=winebot*9.0.
if alcopops>=0 alcouni=alcopops*1.5.
*set missing values.
do repeat xxx=npinuni nlcauni nscauni spinuni slcauni sscauni wluni wstuni wsmuni wbuni alcouni
 /yyy=normpint normlcan normscan strpint strlcan strscan winelar winesta winesma winebot alcopops.
 if yyy=-9 xxx=-9.
 if yyy=-1 xxx=-1.
end repeat.
*variable labels.
variable labels
  npinuni "(D) Units of normal beer - pint"
 /nlcauni "(D) Units of normal beer - large cans"
 /nscauni "(D) Units of normal beer - small cans"
 /spinuni "(D) Units of strong beer - pint"
 /slcauni "(D) Units of strong beer - large cans"
 /sscauni "(D) Units of strong beer - small cans"
 /wluni "(D) Units of wine - large glasses"
 /wstuni "(D) Units of wine - standard glasses"
 /wsmuni "(D) Units of wine - small glasses"
 /wbuni "(D) Units of wine - bottles"
 /alcouni "(D) Units of alcopops".
```

UNITS: (D) Number of units on the heaviest drinking day in the last week

```
SPSS Syntax
if freqalc=8 units=-1.
if freqalc=-9 units=-9.
if any(freqalc,1,2,3,4,5,6,7,-8) and alcodrink=-9 units=-9.
if any(freqalc,1,2,3,4,5,6,7,-8) and alcodrink=1 and normpint=-9 units=-9.
if any(freqalc,1,2,3,4,5,6,7,-8) and alcodrink=2 units=0.
do if any(freqalc,1,2,3,4,5,6,7,-8) and alcodrink=1 and normpint<>-9.
 compute units = npinuni + nlcauni + nscauni + spinuni + slcauni + sscauni + wluni + wstuni + wsmuni +
wbuni + spirit + fwine + alcouni.
end if.
*other alcohol drinks.
compute nmeas=normpint + normlcan + normscan + strpint + strlcan + strscan + winelar + winesta + winesma +
winebot + spirit + fwine + alcopops.
compute nmeasoth=oth1gla + oth1pin + oth1lcan + oth1scan + oth2gla + oth2pin + oth2lcan + oth2scan.
if any(freqalc,1,2,3,4,5,6,7,-8) and alcodrink=1 and nmeas=0 and nmeasoth>0 units=-9.
```

UNITS0: (D) Number of units on the heaviest drinking day (incl. never drinks)

```
SPSS Syntax
compute units0=units.
if freqalc=8 units0=0.
var label units0 "(D) Number of units on the heaviest drinking day (incl. never drinks)".
```

ALC4: (D) Level of maximal daily alcohol consumption (incl. never drinks)

0 None/Never drinks
1 Within guidelines
2 Exceeding guidelines but less than binge
3 Binge

```
SPSS Syntax
do if sex=1.
recode units (0=0)(0 thru 4=1)(4 thru 8=2)(8 thru hi=3)(else=copy) into alc4.
else if sex=2.
```

```
recode units (0=0)(0 thru 3=1)(3 thru 6=2)(6 thru hi=3)(else=copy) into alc4.
end if.
if freqalc=8 alc4=0.
variable labels alc4 "(D) Level of maximal daily alcohol consumption (incl.never drinks)".
value labels alc4
 0 'None/Never drinks'
 1 'Within guidelines'
 2 'Exceeding guidelines but less than binge'
 3 'Binge'.
```

ALC5: (D) Maximum drank last week (incl. never drinks)

0. Never drinks
1. None
2. Within guidelines
3. Exceeding guidelines but less than binge
4. Binge

```
SPSS Syntax
recode alc4 (3=4) (2=3) (1=2) (0=1) (else=copy)  into alc5.
IF freqalc=8 alc5=0.
VARIABLE LABELS alc5 '(D) Maximum drank last week (incl never drinks)'.
value labels alc5
0 "Never drinks"
1 "None"
2 "Within guidelines"
3 "Exceed guidelines but less than binge"
4 "Binge".
```

ALC6: (D) max daily consumption last week incl very heavy drinking

0 none/never drinks
1 within guidelines
2 1-2 times guidelines
3 2-3 times guidelines
4 more than 3 times guidelines

```
SPSS Syntax

do if sex=1.
recode units0 (0 =0) (0 thru 4=1) (4 thru 8=2) (8 thru 12=3) (12 thru hi=4) (else=copy) into alc6.
else if sex=2.
recode units0 (0 =0) (0 thru 3=1) (3 thru 6=2) (6 thru 9=3) (9 thru hi=4) (else=copy) into alc6.
end if.
var lab alc6 '(D) max daily consumption last week incl very heavy drinking'.
val lab alc6 0 'none / never drinks' 1 'within guidelines' 2 '1-2 times guidelines' 3 '2-3 times
guidelines' 4 'more than 3 times guidelines'.
exe.
```

ALCAGBI: (D) Maximum daily alcohol consumption: above guidelines - binary
ALCBIBI: (D) Maximum daily alcohol consumption: binge - binary

0 No
1 Yes

All binary variables have the same value labels

```
SPSS Syntax
recode alc4 (0 thru 1=0)(2 thru 3=1)(else=copy) into alcagbi.
recode alc4 (0 thru 2=0)(3=1)(else=copy) into alcbibi.
var lab alcagbi "(D) Maximum daily alcohol consumption: above guidelines - binary".
var lab alcbibi "(D) Maximum daily alcohol consumption: binge - binary".
val lab alcagbi alcbibi
 0 'No'
 1 'Yes'.
```

ALCVHBI: (D) Very heavy drinking over 3 times guidelines

0 no
1 yes

```
SPSS Syntax

recode alc6 (0 thru 3=0) (4 =1) (else=copy) into alcvhbi.
var lab alcvhbi '(D) very heavy drinking over 3 times guidelines'.
val lab alcvhbi  0 'no' 1 'yes'.
exe.

cro alc6 by alcvhbi.
```

Eating habits

Children only

FRUITDAY: (D) Eats fruit every day
VEGDAY: (D) Eats vegetables every day
SWEETDAY: (D) Eats sweets every day
CHIPDAY: (D) Eats chips every day
CRISPDAY: (D) Eats crisps every day
SKMLKDAY: (D) Drinks skimmed or semi-skimmed milk every day
FTMLKDAY: (D) Drinks ordinary milk every day
DCOKEDAY: (D) Drinks diet coke every day
COKEDAY: (D) Drinks coke every day
WATERDAY: (D) Drinks water every day.

0 No
1 Yes

```
SPSS syntax
do repeat xxx=fruit veg sweets chips crisps skimmilk fatmilk dietcoke coke water
 /yyy=fruitday vegday sweetday chipday crispday skmlkday ftmlkday dcokeday cokeday waterday.
recode xxx (1,2=1)(3 thru hi=0)(else=copy) into yyy.
end repeat.
var lab fruitday "(D) Eats fruit every day"
          /vegday "(D) Eats vegetables every day"
          /sweetday "(D) Eats sweets every day"
          /chipday "(D) Eats chips every day"
          /crispday "(D) Eats crisps every day"
          /skmlkday "(D) Drinks skimmed or semi-skimmed milk every day"
          /ftmlkday "(D) Drinks ordinary milk every day"
          /dcokeday "(D) Drinks diet coke every day"
          /cokeday "(D) Drinks coke every day"
          /waterday"(D) Drinks water every day".
val lab fruitday to waterday
  0 'No'
  1 'Yes'.
```

FRUITW: (D) Eats fruit weekly
VEGW: (D) Eats vegetables weekly
SWEETW: (D) Eats sweets weekly
CHIPW: (D) Eats chips weekly
CRISPW: (D) Eats crisps weekly
SKIMLKW: (D) Drinks skimmed or semi-skimmed milk weekly
FTMLKW: (D) Drinks ordinary milk weekly
DCOKEW: (D) Drinks diet coke weekly
COKEW: (D) Drinks coke weekly
WATERW: (D) Drinks water weekly

0 No
1 Yes

```
SPSS syntax
do repeat xxx=fruit veg sweets chips crisps skimmilk fatmilk dietcoke coke water
 /yyy=fruitw vegw sweetw chipw crispw skimlkw ftmlkw dcokew cokew waterw.
recode xxx (1 thru 5=1) (6 thru 7=0) (else=copy) into yyy.
end repeat.
```

```
var lab fruitw "(D) Eats fruit weekly"
          vegw "(D) Eats vegetables weekly"
          sweetw "(D) Eats sweets weekly"
          chipw "(D) Eats chips weekly"
          crispw "(D) Eats crisps weekly"
          skimlkw "(D) Drinks skimmed or semi-skimmed milk weekly"
          ftmlkw "(D) Drinks ordinary milk weekly"
          dcokew "(D) Drinks diet coke weekly"
          cokew "(D) Drinks coke weekly"
          waterw"(D) Drinks water weekly".
val lab fruitw to waterw
  0 "Eats less than once a week"
  1 "Eats weekly".
```

Fruit and vegetable consumption

Adults only

PORPUL2: (D) Portion of pulses
PORSAL2: (D) Portion of salad
PORVEG2: (D) Portion of vegetables
PORVDSH2: (D) Portion of vegetables in composites
PORJCE2: (D) Portion of fruit juice
PORFRT2: (D) Portion of all sized fruit
PORDRY2: (D) Portion of dried fruit
PORFROZ2: (D) Portion of frozen fruit/canned fruit
PORFDSH2: (D) Portion of fruit in composites
PORFTVG2: (D) Grouped portions of fruit (inc. fruit juice) & veg yesterday
VEGPOR2: (D) Total portion of vegetables (inc. salad)
FRTPOR2: (D) Total portion of fruit
PORFV2: (D) Total portion of fruit and veg.

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

```
SPSS Syntax
compute porpul2=0.
if pulse2>0 porpul2=pulse2/3.
if porpul2>1 porpul2=1.
compute porsal2=0.
if salad2>0 porsal2=salad2.
compute porveg2=0.
if veg2>0 porveg2=veg2/3.
compute porvdsh2=0.
if vegdish2>0 porvdsh2=vegdish2/3.

compute pordry2=0.
if dryfrt2>0 pordry2=dryfrt2.
if pordry2>1 pordry2=1.
compute porfroz2=0.
if frozfrt2>0 porfroz2=frozfrt2/3.
compute porfdsh2=0.
if frtdish2>0 porfdsh2=frtdish2/3.
compute porjce2=0.
if frtjui2>0 porjce2=frtjui2.
if porjce2>1 porjce2=1.

compute porsml2=0.
do repeat xxx=vsfrt2 smlfrt2.
if xxx>0 porsml2=porsml2+xxx/2.
end repeat.

compute porothf2=0.
do repeat xxx=medfrt2 lgfrt2 vlfrt2.
if xxx>0 porothf2=porothf2+xxx.
end repeat.

compute porfrt2=porsml2+porothf2.
compute vegpor2=porpul2+porsal2+porveg2+porvdsh2.
compute frtpor2=porjce2+porfrt2+pordry2+porfroz2+porfdsh2.
compute porfv2=vegpor2+frtpor2.
if salad2=-9 & veg2=-9 & pulse2=-9 & vegdish2=-9 & vsfrt2=-9 & smlfrt2=-9 & medfrt2=-9 & lgfrt2=-9 &
vlfrt2=-9 & frozfrt2=-9
 & dryfrt2=-9 & frtdish2=-9 & frtjui2=-9 porfv2=-9.

if pulse2=-9 porpul2=-9.
```

```
if salad2=-9 porsal2=-9.
if veg2=-9 porveg2=-9.
if vegdish2=-9 porvdsh2=-9.
if dryfrt2=-9 pordry2=-9.
if frozfrt2=-9 porfroz2=-9.
if frtdish2=-9 porfdsh2=-9.
if frtjui2=-9 porjce2=-9.
if (vsfrt2=-9 & smlfrt2=-9 & medfrt2=-9 & lgfrt2=-9 & vlfrt2=-9) porfrt2=-9.
if (porpul2=-9 & porsal2=-9 & porveg2=-9 & porvdsh2=-9) vegpor2=-9.
if (porjce2=-9 & porfrt2=-9 & pordry2=-9 & porfroz2=-9 & porfdsh2=-9) frtpor2=-9.

recode porfv2 (0=0) (8 thru hi=9) (7 thru 8=8) (6 thru 7=7) (5 thru 6=6) (4 thru 5=5) (3 thru 4=4)(2 thru
3=3)(1 thru 2=2) (0 thru 1=1) (else=copy) into porftvg2.
VARIABLE LABELS  porftvg2 "(D) Grouped portions of fruit (inc.fruit juice) & veg yesterday" .
VALUE LABELS porftvg2
  0 "None"
  1 "Some, 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".

variable labels
  porpul2 "(D) Portion of pulses"
 /porsal2 "(D) Portion of salad"
 /porveg2 "(D) Portion of vegetables"
 /porvdsh2 "(D) Portion of vegetables in composites"
 /porjce2 "(D) Portion of fruit juice"
 /porfrt2 "(D) Portion of all sized fresh fruit"
 /pordry2 "(D) Portion of dried fruit"
 /porfroz2 "(D) Portion of frozen fruit/canned fruit"
 /porfdsh2 "(D) Portion of fruit in composites"
 /vegpor2 "(D) Total portion of vegetables (inc.salad)"
 /frtpor2 "(D) Total portion of fruit"
 /porfv2 "(D) Total portion of fruit and veg".
```

FV5ADAY2: (D) No of portions of fruit & vegetables eaten yesterday

0 None
1 More than 0 portions but less than 5
2 5 portions or more

```
SPSS Syntax
recode porfv2 (0=0)(5 thru hi=2)(0 thru 5=1) (else=copy) into fv5aday2.
VARIABLE LABELS  fv5aday2 "(D) No of portions of fruit and vegetables eaten yesterday" .
VALUE LABELS fv5aday2
  0 "None"
  1 "More than 0 portions but less than 5"
  2 "5 portions or more".
```

FV52: (D) Eaten 5+ fruit or veg the previous day - binary

0 No
1 Yes

```
SPSS Syntax
recode fv5aday2 (0,1=0)(2=1)(else=copy) into fv52.
var lab fv52 "(D) Eaten 5+ fruit or veg the previous day - binary".
val lab fv52  0 'No' 1 'Yes'.
```

NOFTVG2: (D) Not eaten fruit or veg the previous day - binary

0 No fruit or veg eaten
1 Yes, some fruit or veg eaten

```
SPSS Syntax
recode fv5aday2 (0=0)(1,2=1)(else=copy) into noftvg2.
var lab noftvg2 "(D) Not eaten fruit or veg the previous day - binary".
val lab noftvg2 0 'No fruit or veg eaten' 1 'Yes, some fruit or veg eaten'.
```

Physical Activity

Children

PANONE: (D) Number of days no physical activity taken

```
SPSS Syntax
count panone=exmon extue exwed exthu exfri exsat exsun (1).
count zzz=exmon extue exwed exthu exfri exsat exsun (-9).
if zzz=7 panone=-9.
if age<=3 panone =-1.
var lab panone '(D) Number of days no physical activity taken'.
```

PAHOUR: (D) Number of days active for hour or more

```
SPSS Syntax
do repeat xxx=exmon extue exwed exthu exfri exsat exsun
 /yyy=tempexe1 tempexe2 tempexe3 tempexe4 tempexe5 tempexe6 tempexe7.
recode xxx (3 thru 4=1)(else=0) into yyy.
end repeat.
count pahour=tempexe1 tempexe2 tempexe3 tempexe4 tempexe5 tempexe6 tempexe7(1).
count zzz=exmon extue exwed exthu exfri exsat exsun (-9).
if zzz=7 pahour=-9.
if age<=3 pahour=-1.
var lab pahour '(D) Number of days physically active for an hour or more'.
```

PAHR5D: (D) Physically active for an hour or more on 5 or more days

0 No
1 Yes

```
SPSS Syntax
recode pahour (0 thru 4=0)(5 thru 7=1)(else=copy) into pahr5d.
var lab pahr5d "(D) Physically active for an hour or more on 5 or more days".
val lab pahr5d
 1 'Yes'
 0 'No'.
```

PAHR7D: (D) Physically active for an hour or more every day

0 No
1 Yes

```
SPSS Syntax
recode pahour (0 thru 6=0)(7=1)(else=copy) into pahr7d.
var lab pahr7d "(D) Physically active for an hour or more every day".
val lab pahr7d
 1 'Yes'
 0 'No
```

Adults

EXERL: (D) No of days light exercise
EXERM: (D) No of days moderate exercise
EXERV: (D) No of days vigorous exercise

```
SPSS Syntax
compute exerl=0.
do if exltno<>1.
count exerl=exltmon to exltsun(1).
count xxx=exltmon to exltsun(-9).
if xxx=7 exerl=-9.
end if.
variable labels exerl "(D) No of days of light exercise".

compute exerm=0.
do if exmodno <>1.
count exerm=exmodmon to exmodsun(1).
count xxx=exmodmon to exmodsun(-9).
if xxx=7 exerm=-9.
end if.
 variable labels exerm "(D) No of days of moderate exercise".

compute exerv=0.
do if exvigno<>1.
count exerv=exvigmon to exvigsun(1).
count xxx=exvigmon to exvigsun(-9).
if xxx=7 exerv=-9.
end if.
variable labels exerv "(D) No of days of vigorous exercise".
```

EXERCISE: (D) At least 30 minutes moderate/vigorous exercise on 5+ days

0 No
1 Yes

EXERGRP: (D) No of days at least 30 minutes moderate/vigorous exercise

0 None
1 1-4 days
2 5 days or more

EXERGRP5: (D) No of days at least 30 minutes moderate/vigorous exercise

0 None
1 1 day
2 2 days
3 3 days
4 4 days
5 5 + days

```
SPSS Syntax
do if exmodno<>1 | exvigno<>1.
compute mon=exmodmon+exvigmon.
compute tue=exmodtue+exvigtue.
compute wed=exmodwed+exvigwed.
compute thur=exmodthu+exvigthu.
compute fri=exmodfri+exvigfri.
compute sat=exmodsat+exvigsat.
compute sun=exmodsun+exvigsun.
do repeat xxday=mon tue wed thur fri sat sun.
if xxday=2 xxday=1.
end repeat.
count tempex=mon to sun(1).
end if.
if (exerm=-9 & exerv>=0) tempex=exerv.
if (exerm>=0 & exerv=-9) tempex=exerm.
recode tempex (0 thru 4=0)(5 thru hi=1) into exercise.
if exerl=-9 & exerm=-9 & exerv=-9 exercise=-9.
 variable labels exercise "(D) At least 30 mins mod/vigorous exercise on 5+ days".
value lables exercise
  0 "No"
  1 "Yes".

recode tempex (0=0)(5 thru hi=2)(0 thru 5=1) (else=copy) into exergrp.
if exerl=-9 & exerm=-9 & exerv=-9 exergrp=-9.
variable labels exergrp "(D) No of days at least 30 mins mod/vigorous exercise".
value labels exergrp
```

```
  0 "None"
  1 "1-4 days"
  2 "5 days or more".

recode tempex (0=0) (1=1)(2=2)(3=3)(4=4)(5 thru hi=5) (else=copy) into exergrp5.
if exerl=-9 & exerm=-9 & exerv=-9 exergrp5=-9.
VARIABLE LABELS  exergrp5 "(D) No of days at least 30 mins mod/vigorous exercise (grouped)" .
VALUE LABELS exergrp5
  0 "None"
  1 "1 day"
  2 "2 days"
  3 "3 days"
  4 "4 days"
  5 "5+ days".
```

EXERSTR: (D) Most strenuous exercise done in last 7 days

0 None
1 Light
2 Moderate
3 Vigorous

```
SPSS Syntax
compute exerstr=0.
if exerl>0 exerstr=1.
if exerm>0 exerstr=2.
if exerv>0 exerstr=3.
if exerl=-9 & exerm=-9 & exerv=-9 exerstr=-9.
variable labels exerstr "(D) Most strenuous exercise done in last 7 days".
value lables exerstr
  0 "None"
  1 "Light"
  2 "Moderate"
  3 "Vigorous".
```

EXER0: (D) 0 active days

0 Some active days
1 No active dayS

```
SPSS Syntax

missing values exer7 ().
recode exer7 (0=1) (1 thru hi=0) (else=copy) into exer0.
exe.
var lab exer0 '(D) 0 active days'.
val lab exer0 0 'some active days'  1 'no active days'.
exe.
missing values exer7 exer0 (-99 thru -1).

fre exer0.
```

NOEX: (D) No exercise in last week - binary

0 No exercise
1 Yes, some exercise

```
SPSS Syntax
recode exerstr (0=0)(1 thru hi=1)(else=copy) into noex.
var lab noex "(D) No exercise in last week - binary".
val lab noex 0 'No exercise' 1 'Yes, some exercise'.
```

General Health

Illness - adults

HEART: (D) Any heart condition

0 No
1 Yes

```
SPSS Syntax
compute heart=0.
if any(-9,hrtatt, ang, hrtfail, htoth) heart=-9.
if any(1,hrtatt, ang, hrtfail, htoth) heart=1.
variable labels heart "(D) Any heart condition".
value labels heart 0 'No' 1 'Yes'.
```

HEARTBP: (D) Any heart condition including high blood pressure

0 No
1 Yes

```
SPSS Syntax
compute heartbp=0.
if any(-9,hrtatt, ang, hbp, hrtfail, htoth) heartbp=-9.
if any(1,hrtatt, ang, hbp, hrtfail, htoth) heartbp=1.
variable labels heartbp "(D) Any heart condition including high blood pressure".
value labels heartbp 0 'No' 1 'Yes'.
```

RESP: (D) Any respiratory condition

0 No
1 Yes

```
SPSS Syntax
compute resp=0.
if any(-9,asthma,emph,pleur,bron,respoth) resp=-9.
if any(1,asthma,emph,pleur,bron,respoth) resp=1.
variable labels resp "(D) Any respiratory condition".
value labels resp 0 'No' 1 'Yes'.
```

MENTAL: (D) Any mental condition

0 No
1 Yes

```
SPSS Syntax
compute mental=0.
if any(-9,dep,anx,mentoth) mental=-9.
if any(1,dep,anx,mentoth) mental=1.
variable labels mental "(D) Any mental condition".
value labels mental 0 'No' 1 'Yes'.
```

MRG_ILLS: (D) (Merged 2+) Number of currently treated illnesses

0 No currently treated illness
1 1 currently treated illness
1 2+ currently treated illnesses

```
SPSS Syntax
*Create a derived variable for number of illnesses.
compute no_ills=0.
```

```
count no_ills= ang hrtfail hbp htoth asthma emph pleur bron respoth dep anx mentoth arth back epi vvein
diab illoth (1).
do if (no ills=0 & any(-9, ang, hrtfail, hbp, htoth, asthma, emph, pleur, bron, respoth, dep, anx,
mentoth, arth, back, epi, vvein, diab, illoth)).
  recode no_ills (0=-9).
end if.
*Create a derived variable splitting no of illnesses to 0, 1, 2+.
recode no ills (2 thru highest=2) (else=copy) INTO mrg ills.
variable labels no ills "(D) Number of currently treated illnesses".
variable labels mrg ills "(D) (Merged 2+) Number of currently treated illnesses".
value labels mrg_ills
 0 'No currently treated illness'
 1 '1 currently treated illness'
 2 '2+ currently treated illnesses'.
```

CHRONIC: (D) Any chronic condition

0 No
1 Yes

```
SPSS Syntax
compute chronic=0.
if any(-9,ang, hrtfail, hbp, htoth, asthma, emph, pleur, bron, respoth, dep, anx, mentoth, arth, back,
epi, vvein, diab, illoth) chronic=-9.
if any(1,ang, hrtfail, hbp, htoth, asthma, emph, pleur, bron, respoth, dep, anx, mentoth, arth, back, epi,
vvein, diab, illoth) chronic=1.
variable labels chronic "(D) Any chronic illness".
value labels chronic 0 'No' 1 'Yes'.
```

HRTATTBI: (D) Ever had heart attack - binary
STROKBI: (D) Ever had stroke - binary
CANCBI : (D) Ever had cancer - binary
ANGBI: (D) Currently treated for angina - binary
HRTFAIBI: (D) Currently treated for heart failure - binary
HBPBI : (D) Currently treated for high blood pressure - binary
HTOTHBI: (D) Currently treated for other heart condition - binary
ASTHMABI: (D) Currently treated for asthma - binary
EMPHBI: (D) Currently treated for emphysema - binary
PLEURBI: (D) Currently treated for pleurisy - binary
BRONBI: (D) Currently treated for bronchitis - binary
RESPOTBI: (D) Currently treated for other respiratory illness - binary
DEPBI: (D) Currently treated for depression - binary
ANXBI: (D) Currently treated for anxiety - binary
MENTOTBI: (D) Currently treated for other mental illness - binary
ARTHBI: (D) Currently treated for arthritis - binary
BACKBI: (D) Currently treated for back pain - binary
EPIBI: (D) Currently treated for epilepsy - binary
VVEINBI: (D) Currently treated for varicose veins - binary
DIABBI: (D) Currently treated for diabetes – binary

0 No
1 Yes

All binary variables have the same value labels

```
SPSS Syntax
do repeat xxx=hrtatt strok canc ang hrtfail hbp htoth asthma emph pleur bron respoth dep anx mentoth arth
back epi vvein diab
 /yyy=hrtattbi strokbi cancbi angbi hrtfailbi hbpbi htothbi asthmabi emphbi pleurbi bronbi respotbi depbi
anxbi mentotbi arthbi backbi epibi vveinbi diabbi.
recode xxx(1=1)(2=0)(else=copy) into yyy.
```

```
end repeat.
var lab hrtattbi '(D) Ever had heart attack - binary'.
var lab strokbi '(D) Ever had stroke - binary'.
var lab cancbi '(D) Ever had cancer - binary'.
var lab angbi '(D) Currently treated for angina - binary'.
var lab hrtfailbi '(D) Currently treated for heart failure - binary'.
var lab hbpbi '(D) Currently treated for high blood pressure - binary'.
var lab htothbi '(D) Currently treated for other heart condition - binary'.
var lab asthmabi '(D) Currently treated for asthma - binary'.
var lab emphbi '(D) Currently treated for emphysema - binary'.
var lab pleurbi '(D) Currently treated for pleurisy - binary'.
var lab bronbi '(D) Currently treated for bronchitis - binary'.
var lab respotbi '(D) Currently treated for other respiratory illness - binary'.
var lab depbi '(D) Currently treated for depression - binary'.
var lab anxbi '(D) Currently treated for anxiety - binary'.
var lab mentotbi '(D) Currently treated for other mental illness - binary'.
var lab arthbi '(D) Currently treated for arthritis - binary'.
var lab backbi '(D) Currently treated for back pain - binary'.
var lab epibi '(D) Currently treated for epilepsy - binary'.
var lab vveinbi '(D) Currently treated for varicose veins - binary'.
var lab diabbi '(D) Currently treated for diabetes - binary'.
val lab hrtattbi to diabbi 0 'No' 1 'Yes'.
```

LLTILOT: (D) Limited a lot by illness or disability

0 No
1 Yes

```
SPSS Syntax
recode llti2 (1,-9=copy)(else=0)into lltilot.
var lab lltilot '(D) limited a lot by illness or disability'.
val lab lltilot -9 'no answer' 0 'no' 1 'yes'.
```

LLTIANY: (D) Limited at all by illness or disability

2 No
3 Yes

```
SPSS Syntax
recode llti2 (-9=copy)(1,2=1)(3=0) into lltiany.
var lab lltiany '(D) limited at all by illness or disability'.
val lab lltiany -9 'no answer' 0 'no' 1 'yes'.
```

General health - adults

FPHTH: (D) Fair or poor health - binary

0 No
1 Yes

```
SPSS Syntax
recode genhlth (1 thru 3=0)(4,5=1)(else=copy) into fphth.
var lab fphth"(D) Fair or poor health - binary".
val lab fphth 0 'No' 1 'Yes'.
```

STOMBI: (D) Stomach upset with diarrhoea in last 3 months

0 No stomach upset
1 Stomach upset

```
SPSS Syntax
recode stomno (1=0) (0=1)(else=copy) into stombi.
var lab stombi '(D) Stomach upset with diarrhoea in last 3 months'.
val lab stombi 0 'No stomach upset' 1 'Stomach upset'.
```

EYESIGHT: (D) Eyesight difficulty - binary

0 No
1 Yes

```
SPSS Syntax
recode see (1=0)(2,3=1)(else = copy) into eyesight.
var lab eyesight "(D) Eyesight difficulty - binary".
val lab eyesight 0 'No' 1 'Yes'.
```

HEARBI: (D) Difficulty with hearing - binary

0 No
1 Yes

```
SPSS Syntax
recode heardiff (1=1)(2=0)(else=copy) into hearbi.
var lab hearbi '(D) Difficulty with hearing - binary'.
val lab hearbi 0 'No' 1 'Yes'.
```

TEETHBI: (D) How many natural teeth do you have - binary

0 21 or more teeth
1 Fewer than 21 teeth

```
SPSS Syntax
recode teeth (1=0) (2=1) (else=copy) into teethbi.
var lab teethbi '(D) How many natural teeth do you have - binary'.
val lab teethbi 0 '21 or more teeth' 1 'Fewer than 21 teeth'.
```

Illnesses - children

ASTHMABI: (D) Asthma currently treated - binary
RESPOCBI: (D) Other breathing problems currently treated - binary
SKINBI: (D) Skin complaints currently treated - binary
EARBI: (D) Ear complaints currently treated - binary
EYEBI: (D) Eye complaints currently treated – binary
JOINTBI: (D) Bone, joint, muscles problems currently treated - binary
MENTALBI: (D) Anxiety, depression, mental illness currently treated - binary

0 No
1 Yes

All binary variables have the same values labels

```
SPSS Syntax
do repeat xxx=asthmac respothc skin ear eye joint mental
 /yyy= asthmabi respocbi skinbi earbi eyebi jointbi mentalbi.
recode xxx(1=1)(2=0)(else=copy) into yyy.
end repeat.
var lab asthmabi '(D) Asthma currently treated - binary'.
var lab respocbi '(D) Other breathing problems currently treated - binary'.
var lab skinbi '(D) Skin complaints currently treated - binary'.
var lab earbi '(D) Ear complaints currently treated - binary'.
var lab eyebi "(D) Eye complaints currently treated - binary".
var lab jointbi '(D) Bone, joint, muscles problems currently treated - binary'.
var lab mentalbi '(D) Anxiety, depression, mental illness currently treated - binary'.
val lab asthmabi to mentalbi 0 'No' 1 'Yes'.
```

CHRESP: (D) Any respiratory condition currently treated

0 No
1 Yes

```
SPSS Syntax
compute chresp=0.
if any(-9,asthmac,respothc) chresp=-9.
if any(1,asthmac,respothc) chresp=1.
variable labels chresp "(D) Any respiratory condition currently treated".
value labels chresp 0 'No' 1 'Yes'.
```

CHASTHMA: (D) Asthma as long-standing illness

0 No
1 Yes

```
SPSS Syntax
compute chasthma=0.
if any(23, lsicode1, lsicode2, lsicode3, lsicode4, lsicode5, lsicode6) chasthma=1.
count xxx=lsicode1 lsicode2 lsicode3 lsicode4 lsicode5 lsicode6(-9).
if xxx=6 | lsill=-9 chasthma=-9.
var lab chasthma "(D) Asthma as long-standing illness".
val lab chasthma
 0 'No asthma'
 1 'Asthma as long-standing illness'.
```

CHSKIN: (D) Skin complaint as long-standing illness

0 No skin complaint
1 Skin complaint as long-standing illness

```
SPSS Syntax
compute chskin=0.
if any(39, lsicode1, lsicode2, lsicode3, lsicode4, lsicode5, lsicode6) chskin=1.
count xxx=lsicode1 lsicode2 lsicode3 lsicode4 lsicode5 lsicode6(-9).
if xxx=6 | lsill=-9 chskin=-9.
var lab chskin "(D) Skin complaint as a long-standing illness".
val lab chskin
 0 'No skin complaint'
 1 'Skin complaint as long-standing illness'.
```

CHMENTAL: (D) Mental illness as long-standing illness

0 No mental illness
1 Mental illness as long-standing illness

```
SPSS Syntax
compute chmental=0.
if any(4, lsicode1, lsicode2, lsicode3, lsicode4, lsicode5, lsicode6) chmental=1.
count xxx=lsicode1 lsicode2 lsicode3 lsicode4 lsicode5 lsicode6(-9).
if xxx=6 | lsill=-9 chmental=-9.
var lab chmental "(D) Mental illness as long-standing illness".
val lab chmental
 0 'No mental illness'
 1 'Mental illness as long-standing illness'.
```

CHLLSTI: (D) Any limiting long-standing illness

0 No
1 Yes

```
SPSS Syntax
compute chllsti=0.
if any(-9,lsill,llti) chllsti=-9.
if lsill=1 & llti=1 chllsti=1.
variable labels chllsti "(D) Any limiting longstanding illness".
value labels chllsti 0 'No' 1 'Yes'.
```

LSILLBI: (D) Longstanding illness – binary
LLTIBI: (D) Longstanding illness limits child - binary

0 No
1 Yes

All binary variables have the same value labels

```
SPSS Syntax
do repeat xxx=lsill llti
 /yyy=lsillbi lltibi.
recode xxx(1=1)(2=0)(else=copy) into yyy.
end repeat.
var lab lsillbi '(D) Longstanding illness - binary'.
var lab lltibi '(D) Longstanding illness limits child - binary'.
val lab lsillbi to lltibi 0 'No' 1 'Yes'.
```

MRG_ILLS: (D) (Merged 2+) Number of currently treated illness

0 No currently treated illness
1 1 currently treated illness
2 2+ currently treated illnesses

```
SPSS Syntax
*Create a derived variable for number of illnesses.
compute no ills=0.
count no_ills= asthmac respothc skin ear eye joint mental illoth (1).
do if (no_ills=0 & any(-9, asthmac, respothc, skin, ear, eye, joint, mental, illoth)).
  recode no ills (0=-9).
end if.
*Create a derived variable splitting no of illnesses to 0, 1, 2+.
recode no ills (2 thru highest=2) (else=copy) INTO mrg ills.
variable labels no_ills "(D) Number of currently treated illnesses".
variable labels mrg_ills "(D) (Merged 2+) Number of currently treated illnesses".
value labels mrg ills
 0 'No currently treated illness'
 1 '1 currently treated illness'
 2 '2+ currently treated illnesses'.
```

CHRONIC: (D) Any chronic illness currently treated

0 No
1 Yes

```
SPSS Syntax
compute chronic=0.
if any(-9, asthmac, respothc, skin, ear, eye, joint, mental, illoth) chronic=-9.
if any(1, asthmac, respothc, skin, ear, eye, joint, mental, illoth) chronic=1.
variable labels chronic "(D) Any chronic illness currently treated".
value labels chronic 0 'No' 1 'Yes'.
```

General health - children

VGHTH: (D) Very good or good health - binary

0 No
1 Yes

```
SPSS Syntax
recode genhlthc (1 thru 2=1) (3 thru 5=0) (else=copy) into vghth.
var lab vghth "(D) Very good or good health - binary".
val lab vghth 0 "No" 1 "Yes".
```

LLTILOTC: (D) Limited a lot by illness or disability

0 No
1 Yes

```
SPSS Syntax
recode limtdhlth (1,-9=copy)(else=0) into lltilotc.
var lab lltilotc '(D) limited a lot by illness or disability'.
val lab lltilotc -9 'no answer' 0 'no' 1 'yes'.
```

LLTIANYC: (D) Limited at all by illness or disability

0 No
1 Yes

```
SPSS Syntax
recode limtdhlth (-9=copy)(1,2=1)(3=0) into lltianyc.
var lab lltianyc '(D) limited at all by illness or disability'.
val lab lltianyc -9 'no answer' 0 'no' 1 'yes'.
```

Untreated illness - adults

UNTILL: (D) Number of untreated problems or symptoms.

```
SPSS Syntax
NUME untill (F2.0).
COUNT untill = backachu to depressu (1).
IF backachu=-9 untill=-9.
Var lab untill "(D) Number of untreated problems or symptoms".
```

UNTILLBI: (D) Any untreated problem or symptom.

0 No
1 Yes

```
SPSS Syntax
NUME untillbi (F2.0).
RECODE untill (0,-9=copy)(else=1) INTO untillbi.
Var lab untillbi "(D) Any untreated problem or symptom".
Val lab untillbi
   -9 "Not answered"
   0 "No untreated problem or symptom"
        1 "One or more untreated problem or symptom".
```

Carers

CARER: (D) Whether a carer

0 No
1 Yes

```
SPSS Syntax
recode carerhrs (1=0)(2 thru 4=1)(else=copy) into carer.
variable label carer "(D) Whether a carer".
value label carer
  0 "No"
  1 "Yes".
```

Infant feeding (0-3 year olds)

EVBRSTFD: (D) Ever tried to breastfeed

0 No
1 Yes

```
SPSS Syntax
recode brstever (1=0)(2,3,4=1)(else=copy) into evbrstfd.
var lab evbrstfd "(D) Ever tried to breastfeed".
val lab evbrstfd 1 'Yes' 0 'No'.
```

Medicines - adults

MEDBI: (D) Bought medicine in last 4 weeks – binary
PRESCMBI: (D) Regular prescribed medication – binary

0 No
1 Yes

All binary variables have the same values labels

```
SPSS Syntax
do repeat xxx=med prescmed
 /yyy=medbi prescmbi.
recode xxx(1=1)(2=0)(else=copy) into yyy.
end repeat.
var lab medbi '(D) Bought medicine in last 4 weeks - binary'.
var lab prescmbi '(D) Regular prescribed medication - binary'.
val lab medbi to prescmbi 0 'No' 1 'Yes'.
```

Strengths and difficulties (4-15 year olds)

Strengths and difficulties scores have been calculated in the same way for all 4-15 year olds however different grouped variables have been generated to differentiate between the 4-12's whose answers were given by their parent/guardian and the 13-15 year olds who completed the questions themselves.

SDQ_PRO: (D) SDQ Prosocial Dimension Score (4-15's)
SDQ_HYP: (D) SDQ Hyperactivity Dimension Score (4-15's)
SDQ_EMO: (D) SDQ Emotional Symptoms Dimension Score (4-15's)
SDQ_CON: (D) SDQ Conduct Disorder Dimension Score (4-15's)
SDQ_PEE: (D) SDQ Peer Problems Dimension Score (4-15's)
SDQ_TOT: (D) SDQ Total Dimension Score (excl. Prosocial) (4-15's)

SDQ_PROG: (D) SDQ Prosocial Dimension Score (Grouped) (4-12's)

1 6-10
2 5
3 0-4

SDQ_HYPG: (D) SDQ Hyperactivity Dimension Score (Grouped) (4-12's)

1 0-5
2 6
3 7-10

SDQ_EMOG: (D) SDQ Emotional Symptoms Dimension Score (Grouped) (4-12's)

1 0-3
2 4
3 5-10

SDQ_CONG: (D) SDQ Conduct Disorder Dimension Score (Grouped) (4-12's)

1 0-2
2 3
3 4-10

SDQ_PEEG: (D) SDQ Peer Problems Dimension Score (Grouped) (4-12's)

1 0-2
2 3
3 4-10

SDQ_TOTG: (D) SDQ Total Dimension Score (excl. Prosocial) (Grouped) (4-12's)

1 0-13
2 14-16
3 17-40

SPSS Syntax

```
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.

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).
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.
* 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.
* 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.
* 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=-1.
COMPUTE sdq_hyp=-1.
COMPUTE sdq_emo=-1.
COMPUTE sdq con=-1.
COMPUTE sdq pee=-1.
COMPUTE sdq tot=-1.
END IF.
VARIABLE LABELS sdq_pro "(D) SDQ Prosocial Behaviour Dimension Score (4-15's)"
  /sdq hyp "(D) SDQ Hyperactivity Dimension Score (4-15's)"
  /sdq emo "(D) SDQ Emotional Symptoms Dimension Score (4-15's)"
  /sdq con "(D) SDQ Conduct Disorder Dimension Score (4-15's)"
  /sdq pee "(D) SDQ Peer Problems Dimension Score (4-15's)"
  /sdq_tot "(D) SDQ Total Dimension Score (excl. Prosocial) (4-15's)".

do if range(age,4,12).
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.
ELSE.
COMPUTE sdq prog=-1.
COMPUTE sdq_hypg=-1.
COMPUTE sdq_emog=-1.
COMPUTE sdq cong=-1.
COMPUTE sdq peeg=-1.
COMPUTE sdq totg=-1.
END IF.
VARIABLE LABELS
         sdq_prog '(D) SDQ Prosocial behaviour dimension (grouped 6-10,5,0-4) (4-12's)'
        /sdq hypg '(D) SDQ Hyperactivity dimension (grouped 0-5,6,7-10) (4-12's)'
        /sdq emog '(D) SDQ Emotional Symptoms dimension (grouped 0-3,4,5-10) (4-12's)'
        /sdq cong '(D) SDQ Conduct Disorder dimension (grouped 0-2,3,4-10) (4-12's)'
        /sdq peeg '(D) SDQ Peer problems dimension (grouped 0-2,3,4-10) (4-12's)'
        /sdq_totg '(D) SDQ Total dimension (grouped 0-13,14-16,17-40) (4-12's)'.
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'.
```

SSDQPROG: (D) SDQ Prosocial Dimension Score (Grouped) (13-15's)

1 6-10
2 5
3 0-4

SSDQHYPG: (D) SDQ Hyperactivity Dimension Score (Grouped) (13-15's)

1 0-5
2 6
3 7-10

SSDQEMOG: (D) SDQ Emotional Symptoms Dimension Score (Grouped) (13-15's)

1 0-5
2 6
3 7-10

SSDQCONG: (D) SDQ Conduct Disorder Dimension Score (Grouped) (13-15's)

1 0-3
2 4
3 5-10

SSDQPEEG: (D) SDQ Peer Problems Dimension Score (Grouped) (13-15's)

1 0-3
2 4-5
3 6-10

SSDQTOTG: (D) SDQ Total Dimension Score (excl. Prosocial) (Grouped) (13-15's)

1 0-15
2 16-19
3 20-40

```
SPSS Syntax
**recode groupings for children 13-15 who answered questions themselves.
do if range(age,13,15).
RECODE sdq pro (5.5 THRU 10=1)(4.5 thru 5.5=2)(0 THRU 4.5=3)(-9 thru -1=COPY)
 INTO ssdq_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 ssdq hypg.
RECODE sdq emo (6.5 THRU 10=3)(5.5 thru 6.5=2)(0 THRU 5.5=1)(-9 thru -1=COPY)
 INTO ssdq emog.
RECODE sdq con (4.5 THRU 10=3)(3.5 thru 4.5=2)(0 THRU 3.5=1)(-9 thru -1=COPY)
 INTO ssdq_cong.
RECODE sdq_pee (5.5 THRU 10=3)(3.5 thru 5.5=2)(0 THRU 3.5=1)(-9 thru -1=COPY)
 INTO ssdq peeg.
RECODE sdq tot (19.5 THRU 40=3)(15.5 THRU 19.5=2)(0 THRU 15.5=1)(-9 thru -1=COPY)
 INTO ssdq totg.
ELSE.
COMPUTE ssdq_prog=-1.
COMPUTE ssdq hypg=-1.
COMPUTE ssdq emog=-1.
COMPUTE ssdq cong=-1.
COMPUTE ssdq peeg=-1.
COMPUTE ssdq_totg=-1.
END IF.
VARIABLE LABELS
  /ssdq prog "(D) SDQ Prosocial behaviour dimension (grouped 6-10,5,0-4)(13-15's)"
  /ssdq hypg "(D) SDQ Hyperactivity dimension (grouped 0-5,6,7-10)(13-15's)"
  /ssdq emog "(D) SDQ Emotional Symptoms dimension (grouped 0-5,6,7-10)(13-15's)"
  /ssdq_cong "(D) SDQ Conduct Disorder dimension (grouped 0-3,4,5-10)(13-15's)"
  /ssdq_peeg "(D) SDQ Peer problems dimension (grouped 0-3,4-5,6-10)(13-15's)"
  /ssdq totg "(D) SDQ Total dimension (grouped 0-15,16-19,20-40)(13-15's)".
VALUE LABELS
         ssdq prog 1 '6-10' 2 '5' 3 '0-4'
        /ssdq hypg 1 '0-5' 2 '6' 3 '7-10'
        /ssdq_emog 1 '0-5' 2 '6' 3 '7-10'
        /ssdq_cong 1 '0-3' 2 '4' 3 '5-10'
        /ssdq peeg 1 '0-3' 2 '4-5' 3 '6-10'
        /ssdq_totg 1 '0-15' 2 '16-19' 3 '20-40' .
```

SF12 - adults

SF12PF: (D) SF12v2 Physical functioning score
SF12RP: (D) SF12v2 Role-physical score
SF12BP: (D) SF12v2 Bodily pain score
SF12GH: (D) SF12v2 General health score
SF12VT: (D) SF12v2 Vitality score
SF12SF: (D) SF12v2 Social functioning score

SF12RE: (D) SF12v2 Role-emotional score
SF12MH: (D) SF12v2 Mental health score

```
SPSS Syntax
COUNT
sfd1num = modact climbsev (1 thru 3).
VARIABLE LABELS sfd1num 'SF12v2 dimension 1:number questions answered'.
COUNT
sfd2num = physless physlim(1 thru 5).
VARIABLE LABELS sfd2num 'SF12v2 dimension 2:number questions answered'.
COUNT
sfd3num = painint (1 thru 5).
VARIABLE LABELS sfd3num 'SF12v2 dimension 3 - number questions answered'.
COUNT
sfd4num = genhlth (1 thru 5).
VARIABLE LABELS sfd4num 'SF12v2 dimension 4:number questions answered'.
COUNT
sfd5num = energy (1 thru 5).
VARIABLE LABELS sfd5num 'SF12v2 dimension 5:number questions answered'.
COUNT
sfd6num = soctime (1 thru 5).
VARIABLE LABELS sfd6num 'SF12v2 dimension 6:number questions answered'.
COUNT
sfd7num = emoless emocare (1 thru 5).
VARIABLE LABELS sfd7num 'SF12v2 dimension 7:number questions answered'.
COUNT
sfd8num = calm low (1 thru 5).
VARIABLE LABELS sfd8num 'SF12v2 dimension 8:number questions answered'.
EXECUTE.
COMPUTE sf12pf =-99.
COMPUTE sf12rp =-99.
COMPUTE sf12bp =-99.
COMPUTE sf12gh =-99.
COMPUTE sf12vt =-99.
COMPUTE sf12sf =-99.
COMPUTE sf12re =-99.
COMPUTE sf12mh =-99.

**PHYSICAL FUNCTIONING.
DO IF (sfd1num = 2).
COMPUTE sfd1scor = SUM(modact,climbsev).
COMPUTE sf12pf = (((sfd1scor - 2) / 4)* 100).
END IF.

ROLE PHYSICAL.
DO IF (sfd2num = 2).
COMPUTE sfd2scor = SUM(physless,physlim).
COMPUTE sf12rp = (((sfd2scor - 2) / 8)* 100).
END IF.

*BODILY PAIN.
DO IF (sfd3num = 1).
RECODE painint (1=5) (2=4) (3=3) (4=2) (5=1) INTO sfd3scor.
COMPUTE sf12bp = (((sfd3scor - 1) / 4)* 100).
END IF.

*GENERAL HEALTH.
DO IF (sfd4num = 1).
RECODE genhlth (1=5) (2=4.4) (3=3.4) (4=2) (5=1) INTO sfd4scor.
COMPUTE sf12gh = (((sfd4scor - 1) / 4)* 100).
END IF.

*VITALITY.
DO IF (sfd5num = 1).
RECODE energy (1=5) (2=4) (3=3) (4=2) (5=1) INTO sfd5scor.
COMPUTE sf12vt = (((sfd5scor - 1) / 4 )* 100).
END IF.

*SOCIAL FUNCTIONING.
DO IF (sfd6num = 1).
COMPUTE sfd6scor = soctime.
COMPUTE sf12sf = (((sfd6scor - 1) / 4)* 100).
END IF.

*ROLE EMOTIONAL.
```

```
DO IF (sfd7num = 2).
COMPUTE sfd7scor = SUM(emoless,emocare).
COMPUTE sf12re = (((sfd7scor - 2) / 8)* 100).
END IF.

*MENTAL HEALTH.
DO IF (sfd8num = 2).
RECODE calm (1=5) (2=4) (3=3) (4=2) (5=1) INTO calm2.
COMPUTE sfd8scor = (SUM(calm2,low).
COMPUTE sf12mh = (((sfd8scor - 2) / 8)* 100).
END IF.

VARIABLE LABEL sf12pf "(D) SF12v2 Physical functioning score".
VARIABLE LABEL sf12rp "(D) SF12v2 Role-physical score".
VARIABLE LABEL sf12bp "(D) SF12v2 Bodily pain score".
VARIABLE LABEL sf12gh "(D) SF12v2 General health score".
VARIABLE LABEL sf12vt "(D) SF12v2 Vitality score".
VARIABLE LABEL sf12sf "(D) SF12v2 Social functioning score".
VARIABLE LABEL sf12re "(D) SF12v2 Role-emotional score".
VARIABLE LABEL sf12mh "(D) SF12v2 Mental health score".
```

SF12PCS: (D) SF12v2 Physical Component Score.
SF12MCS: (D) SF12v2 Mental Component Score.

```
SPSS Syntax
*Z score standardisation of SF12v2 scales: standard form.
if sf12pf<>-99 PF12Z=(sf12pf - 81.18122) /29.10558.
if sf12rp<>-99 RP12Z=(sf12rp - 80.52856) /27.13526.
if sf12bp<>-99 BP12Z=(sf12bp - 81.74015) /24.53019.
if sf12gh<>-99 GH12Z=(sf12gh - 72.19795) /23.19041.
if sf12vt<>-99 VT12Z=(sf12vt - 55.59090) / 24.84380.
if sf12sf<>-99 SF12Z=(sf12sf - 83.73973) /24.75775.
if sf12re<>-99 RE12Z=(sf12re - 86.41051) / 22.35543.
if sf12mh<>-99 MH12Z=(sf12mh - 70.18217) / 20.50597.

*Formulae for aggregating scales in estimating aggregate physical and mental component scores: Standard
Form.
COMPUTE AGGPHYS = (PF12Z * 0.42402) + (RP12Z * 0.35119) + (BP12Z * 0.31754) + (GH12Z * 0.24954) + (VT12Z *
0.02877) + (SF12Z * -0.00753) + (RE12Z * -0.19206) + (MH12Z * -0.22069).
COMPUTE AGGMENT = (PF12Z * -0.22999) + (RP12Z * -0.12329) + (BP12Z * -0.09731) + (GH12Z * -0.01571) +
(VT12Z * 0.23534) + (SF12Z * 0.26876) + (RE12Z * 0.43407) + (MH12Z * 0.48581).

*Formulae for T-score transformation of component scores: Standard Form.
Compute sf12pcs = 50 + (AGGPHYS * 10).
Compute sf12mcs = 50 + (AGGMENT * 10).
if any(-99, sf12pf, sf12rp, sf12bp, sf12gh, sf12vt, sf12sf, sf12re, sf12mh) sf12pcs=-99.
if any(-99, sf12pf, sf12rp, sf12bp, sf12gh, sf12vt, sf12sf, sf12re, sf12mh) sf12mcs=-99.

VARIABLE LABEL sf12pcs "(D) SF12v2 Physical Component Score".
VARIABLE LABEL sf12mcs "(D) SF12v2 Mental Component Score".
```

SF12PFNB: (D) SF12v2 Physical functioning score (norm-based).
SF12RPNB: (D) SF12v2 Role-physical score (norm-based).
SF12BPNB: (D) SF12v2 Bodily pain score (norm-based).
SF12GHNB: (D) SF12v2 General health score (norm-based).
SF12VTNB: (D) SF12v2 Vitality score (norm-based).
SF12SFNB: (D) SF12v2 Social functioning score (norm-based).
SF12RENB: (D) SF12v2 Role-emotional score (norm-based).
SF12MHNB: (D) SF12v2 Mental health score (norm-based).

```
SPSS Syntax
*Norm-Based Transformation of SF12v2 Z-Scores, Standard Form.
Compute sf12pfnb = 50 + (PF12Z * 10).
Compute sf12rpnb = 50 + (RP12Z * 10).
Compute sf12bpnb = 50 + (BP12Z * 10).
Compute sf12ghnb = 50 + (GH12Z * 10).
Compute sf12vtnb = 50 + (VT12Z * 10).
```

```
Compute sf12sfnb = 50 + (SF12Z * 10).
Compute sf12renb = 50 + (RE12Z * 10).
Compute sf12mhnb = 50 + (MH12Z * 10).

RECODE sf12pfnb sf12rpnb sf12bpnb sf12ghnb sf12vtnb sf12sfnb sf12renb sf12mhnb  (MISSING=-99)  .
EXECUTE .

VARIABLE LABEL sf12pfnb "(D) SF12v2 Physical functioning score (norm-based)".
VARIABLE LABEL sf12rpnb "(D) SF12v2 Role-physical score (norm-based)".
VARIABLE LABEL sf12bpnb "(D) SF12v2 Bodily pain score (norm-based)".
VARIABLE LABEL sf12ghnb "(D) SF12v2 General health score (norm-based)".
VARIABLE LABEL sf12vtnb "(D) SF12v2 Vitality score (norm-based)".
VARIABLE LABEL sf12sfnb "(D) SF12v2 Social functioning score (norm-based)".
VARIABLE LABEL sf12renb "(D) SF12v2 Role-emotional score (norm-based)".
VARIABLE LABEL sf12mhnb "(D) SF12v2 Mental health score (norm-based)".
```

SF36 - adults

SF36PF: (D) SF36 Physical functioning score
SF36RP: (D) SF36 Role-physical score
SF36BP: (D) SF36 Bodily pain score
SF36GH: (D) SF36 General health score
SF36VT: (D) SF36 Vitality score
SF36SF: (D) SF36 Social functioning score
SF36RE: (D) SF36 Role-emotional score
SF36MH: (D) SF36 Mental health score

```
SPSS Syntax

COUNT sfd1num = vigact modact liftgroc       climbsev climbone bend walkmile walksvyd walkhdyd bath (1 thru
3).
VARIABLE LABELS sfd1num 'SF36 dimension 1:number questions answered'.

COUNT sfd2num = physcut physless physlim physdiff (1 thru 5).
VARIABLE LABELS sfd2num 'SF36 dimension 2:number questions answered'.

COUNT sfd3num = bodpain painint (1 thru 6).
VARIABLE LABELS sfd3num 'SF36 dimension 3 - number questions answered'.

COUNT sfd4num = genhlth illeasy healthy worshlth exhlth (1 thru 5).
VARIABLE LABELS sfd4num 'SF36 dimension 4:number questions answered'.

COUNT sfd5num = fulllife energy wornout tired (1 thru 5).
VARIABLE LABELS sfd5num 'SF36 dimension 5:number questions answered'.

COUNT sfd6num = socextnt soctime (1 thru 5).
VARIABLE LABELS sfd6num 'SF36 dimension 6:number questions answered'.

COUNT sfd7num = emocut emoless emocare (1 thru 5).
VARIABLE LABELS sfd7num 'SF36 dimension 7:number questions answered'.

COUNT sfd8num = nerv dumps calm low happy (1 thru 5).
VARIABLE LABELS sfd8num 'SF36 dimension 8:number questions answered'.
EXECUTE.
COMPUTE sf36pf =-99.
COMPUTE sf36rp =-99.
COMPUTE sf36bp =-99.
COMPUTE sf36gh =-99.
COMPUTE sf36vt =-99.
COMPUTE sf36sf =-99.
COMPUTE sf36re =-99.
COMPUTE sf36mh =-99.

*PHYSICAL FUNCTIONING.
DO IF (sfd1num >= 5).
```

```
COMPUTE sfd1mean = MEAN(vigact, modact, liftgroc, climbsev, climbone, bend, walkmile, walksvyd, walkhdyd,
bath).
COMPUTE sfd1comp = (10-sfd1num)*sfd1mean.
COMPUTE sfd1scor = SUM(vigact, modact, liftgroc, climbsev, climbone, bend, walkmile, walksvyd, walkhdyd,
bath, sfd1comp).
COMPUTE sf36pf = (((sfd1scor - 10) / 20)* 100).
END IF.

*ROLE PHYSICAL.
DO IF (sfd2num >= 2).
COMPUTE sfd2mean = MEAN(physcut,physless,physlim,physdiff).
COMPUTE sfd2comp = (4-sfd2num)*sfd2mean.
COMPUTE sfd2scor = SUM(physcut,physless,physlim,physdiff,sfd2comp).
COMPUTE sf36rp = (((sfd2scor - 4) / 16)* 100).
END IF.

*BODILY PAIN.
DO IF (sfd3num >= 1).
DO IF (bodpain > 0).
RECODE bodpain (1=6) (2=5.4) (3=4.2) (4=3.1) (5=2.2) (6=1) INTO pain1.
END IF.
DO IF (painint >= 1).
RECODE painint (1=6) (2=4.75) (3=3.5) (4=2.25) (5=1) INTO pain2.
END IF.
DO IF ((bodpain = 1 & painint >= 1)).
RECODE painint (1=6) (2=4) (3=3) (4=2) (5=1) INTO pain2.
END IF.
DO IF ((bodpain >=2 & painint >= 1)).
RECODE painint (1=5) (2=4) (3=3) (4=2) (5=1) INTO pain2.
END IF.
COMPUTE sfd3mean = MEAN(pain1,pain2).
COMPUTE sfd3comp = (2-sfd3num)*sfd3mean.
COMPUTE sfd3scor = SUM(pain1,pain2,sfd3comp).
COMPUTE sf36bp = (((sfd3scor - 2) / 10)* 100).
END IF.

*GENERAL HEALTH.
DO IF (sfd4num >= 3).
RECODE genhlth (1=5) (2=4.4) (3=3.4) (4=2) (5=1) INTO genhlth2.
RECODE healthy exhlth (1=5) (2=4) (3=3) (4=2) (5=1) INTO healthy2 exhlth2.
COMPUTE sfd4mean = MEAN(genhlth2,illeasy,healthy2,worshlth,exhlth2).
COMPUTE sfd4comp = (5-sfd4num)*sfd4mean.
COMPUTE sfd4scor = SUM(genhlth2,illeasy,healthy2,worshlth,exhlth2,sfd4comp).
COMPUTE sf36gh = (((sfd4scor - 5) / 20)* 100).
END IF.

*VITALITY.
DO IF (sfd5num >= 2).
RECODE fulllife energy (1=5) (2=4) (3=3) (4=2) (5=1) INTO fullife2 energy2.
COMPUTE sfd5mean = MEAN(fullife2,energy2,wornout,tired).
COMPUTE sfd5comp = (4-sfd5num)*sfd5mean.
COMPUTE sfd5scor = SUM(fullife2,energy2,wornout,tired,sfd5comp).
COMPUTE sf36vt = (((sfd5scor - 4) / 16 )* 100).
END IF.

*SOCIAL FUNCTIONING.
DO IF (sfd6num >= 1).
RECODE socextnt (1=5) (2=4) (3=3) (4=2) (5=1) INTO socext2.
COMPUTE sfd6mean = MEAN(socext2,soctime).
COMPUTE sfd6comp = (2-sfd6num)*sfd6mean.
COMPUTE sfd6scor = SUM(socext2,soctime,sfd6comp).
COMPUTE sf36sf = (((sfd6scor - 2) / 8)* 100).
END IF.

*ROLE EMOTIONAL.
DO IF (sfd7num >= 2).
COMPUTE sfd7mean = MEAN(emocut,emoless,emocare).
COMPUTE sfd7comp = (3-sfd7num)*sfd7mean.
COMPUTE sfd7scor = SUM(emocut,emoless,emocare,sfd7comp).
COMPUTE sf36re = (((sfd7scor - 3) / 12)* 100).
END IF.

*MENTAL HEALTH.
DO IF (sfd8num >= 3).
RECODE calm (1=5) (2=4) (3=3) (4=2) (5=1) INTO calm2.
RECODE happy (1=5) (2=4) (3=3) (4=2) (5=1) INTO happy2.
COMPUTE sfd8mean = MEAN(nerv,dumps,calm2,low,happy2).
```

```
COMPUTE sfd8comp = (5-sfd8num)*sfd8mean.
COMPUTE sfd8scor = SUM(nerv,dumps,calm2,low,happy2,sfd8comp).
COMPUTE sf36mh = (((sfd8scor - 5) / 20)* 100).
END IF.
EXECUTE.

VARIABLE LABEL sf36pf "(D) SF36 Physical functioning score".
VARIABLE LABEL sf36rp "(D) SF36 Role-physical score".
VARIABLE LABEL sf36bp "(D) SF36 Bodily pain score".
VARIABLE LABEL sf36gh "(D) SF36 General health score".
VARIABLE LABEL sf36vt "(D) SF36 Vitality score".
VARIABLE LABEL sf36sf "(D) SF36 Social functioning score".
VARIABLE LABEL sf36re "(D) SF36 Role-emotional score".
VARIABLE LABEL sf36mh "(D) SF36 Mental health score".
```

SF36PCS: (D) SF36 Physical component score
SF36MCS: (D) SF36 Mental component score

```
SPSS Syntax
*Z score standardisation of SF36v2 scales: standard form.
if sf36pf<>-99 PF36Z=(sf36pf - 83.29094) / 23.75883.
if sf36rp<>-99 RP36Z=(sf36rp - 82.50964) / 25.52028.
if sf36bp<>-99 BP36Z=(sf36bp - 71.32527) / 23.66224.
if sf36gh<>-99 GH36Z=(sf36gh - 70.84570) / 20.97821.
if sf36vt<>-99 VT36Z=(sf36vt - 58.31411) / 20.01923.
if sf36sf<>-99 SF36Z=(sf36sf - 84.30250) / 22.91921.
if sf36re<>-99 RE36Z=(sf36re - 87.39733) / 21.43778.
if sf36mh<>-99 MH36Z=(sf36mh - 74.98685) / 17.75604.
execute.

*Formulae for aggregating scales in estimating aggregate physical and mental component scores: Standard
Form.
COMPUTE AGGPHYS = (PF36Z * 0.42402) + (RP36Z * 0.35119) + (BP36Z * 0.31754) + (GH36Z * 0.24954) + (VT36Z *
0.02877) + (SF36Z * -0.00753) + (RE36Z * -0.19206) + (MH36Z * -0.22069).
COMPUTE AGGMENT = (PF36Z * -0.22999) + (RP36Z * -0.12329) + (BP36Z * -0.09731) + (GH36Z * -0.01571) +
(VT36Z * 0.23534) + (SF36Z * 0.26876) + (RE36Z * 0.43407) + (MH36Z * 0.48581).

*Formulae for T-score transformation of component scores: Standard Form.
Compute sf36pcs = 50 + (AGGPHYS * 10).
Compute sf36mcs = 50 + (AGGMENT * 10).
if any(-99, sf36pf, sf36rp, sf36bp, sf36gh, sf36vt, sf36sf, sf36re, sf36mh) sf36pcs=-99.
if any(-99, sf36pf, sf36rp, sf36bp, sf36gh, sf36vt, sf36sf, sf36re, sf36mh) sf36mcs=-99.

VARIABLE LABEL sf36pcs "(D) SF36 Physical Component Score".
VARIABLE LABEL sf36mcs "(D) SF36 Mental Component Score".
```

SF36PFNB: (D) SF36 Physical functioning score (norm-based).
SF36RPNB: (D) SF36 Role-physical score (norm-based).
SF36BPNB: (D) SF36 Bodily pain score (norm-based).
SF36GHNB: (D) SF36 General health score (norm-based)"
SF36VTNB: (D) SF36 Vitality score (norm-based).
SF36SFNB: (D) SF36 Social functioning score (norm-based).
SF36RENB: (D) SF36 Role-emotional score (norm-based).
SF36MHNB: (D) SF36 Mental health score (norm-based).

```
SPSS Syntax
* Norm-based scoring of SF36v2 z-scores: standard form.
COMPUTE sf36pfnb = 50 + (PF36Z * 10).
COMPUTE sf36rpnb = 50 + (RP36Z * 10).
COMPUTE sf36bpnb = 50 + (BP36Z * 10).
COMPUTE sf36ghnb = 50 + (GH36Z * 10).
COMPUTE sf36vtnb = 50 + (VT36Z * 10).
COMPUTE sf36sfnb = 50 + (SF36Z * 10).
COMPUTE sf36renb = 50 + (RE36Z * 10).
COMPUTE sf36mhnb = 50 + (MH36Z * 10).

RECODE  sf36pfnb sf36rpnb sf36bpnb sf36ghnb sf36vtnb sf36sfnb sf36renb sf36mhnb (MISSING=-99)  .
```

```
EXECUTE .

VARIABLE LABEL sf36pfnb "(D) SF36 Physical functioning score (norm-based)".
VARIABLE LABEL sf36rpnb "(D) SF36 Role-physical score (norm-based)".
VARIABLE LABEL sf36bpnb "(D) SF36 Bodily pain score (norm-based)".
VARIABLE LABEL sf36ghnb "(D) SF36 General health score (norm-based)".
VARIABLE LABEL sf36vtnb "(D) SF36 Vitality score (norm-based)".
VARIABLE LABEL sf36sfnb "(D) SF36 Social functioning score (norm-based)".
VARIABLE LABEL sf36renb "(D) SF36 Role-emotional score (norm-based)".
VARIABLE LABEL sf36mhnb "(D) SF36 Mental health score (norm-based)".
```

Use of services - adults

DENBI: (D) Visited a dentist in the last 12 months - binary
CHIRBI: (D) Seen a chiropodist in the last 12 months – binary
PHYSBI: (D) Seen a physiotherapist in the last 12 months - binary
OSTEOBI: (D) Seen an osteopath/chiropractor in the last 12 months - binary

0 No
1 Yes

All use of services variables have the same value labels

```
SPSS Syntax
recode denser (1=0)(2 thru hi=1)(else=copy) into denbi.
recode chirser (1=0)(2 thru hi=1)(else=copy) into chirbi.
recode physser (1=0)(2 thru hi=1)(else=copy) into physbi.
recode osteoser (1=0)(2 thru hi=1)(else=copy) into osteobi.

variable labels
 dentbi "(D) Visited a dentist in the last 12 months - binary"
 /chirbi "(D) Seen a chiropodist in the last 12 months - binary"
 /physbi "(D) Seen a physiotherapist in the last 12 months - binary"
 /osteobi "(D) Seen an osteopath/chiropractor in the last 12 months - binary".

value labels denbi to osteobi
  0 "No"
  1 "Yes".
```

OPTIBI: (D) Visited an optician - binary
CNBI: (D) Seen a health visitor, district or comm nurse – binary
GPOUTBI: (D) Seen a GP out of hours – binary
NHSBI: (D) Used the NHS direct helpline – binary
PHARBI: (D) Used a pharmacist - binary

0 No
1 Yes

All use of services variables have the same value labels

```
SPSS Syntax
do repeat xxx=optiser cnser gpser nhsser pharser
 /yyy=optibi cnbi gpoutbi nhsbi pharbi.
recode xxx(1=1)(2=0)(else=copy) into yyy.
end repeat.

var lab optibi '(D) Visited an optician - binary'.
var lab cnbi '(D) Seen a health visitor, district or comm nurse - binary'.
var lab gpoutbi '(D) Seen a GP out of hours - binary'.
var lab nhsbi '(D) Used the NHS direct helpline - binary'.
var lab pharbi '(D) Used a pharmacist - binary'.
val lab optibi to pharbi 0 'No' 1 'Yes'.
```

GPBI: (D) Talked to GP in last 2 weeks - binary
PNURSBI: (D) Saw practice nurse in last 2 weeks - binary
CAS12MBI: (D) Attended casualty in last 12 months - binary

OUT12MBI: (D) Outpatient in last 12 months - binary
DAYPATBI: (D) Day patient in last 12 months - binary
INPATBI: (D) Inpatient in last 12 months - binary

0 No
1 Yes

All binary variables have the same value labels

```
SPSS Syntax
do repeat xxx=gp pnurs cas12m out12m daypat inpat
 /yyy=gpbi pnursbi cas12mbi out12mbi daypatbi inpatbi.
recode xxx(1=1)(2=0)(else=copy) into yyy.
end repeat.
var lab gpbi '(D) Talked to GP in last 2 weeks - binary'.
var lab pnursbi '(D) Saw practice nurse in last 2 weeks - binary'.
var lab cas12mbi '(D) Attended casualty in last 12 months - binary'.
var lab out12mbi '(D) Outpatient in last 12 months - binary'.
var lab daypatbi '(D) Day patient in last 12 months - binary'.
var lab inpatbi '(D) Inpatient in last 12 months - binary'.
val lab gpbi to inpatbi 0 'No' 1 'Yes'.
```

DENTWHBI: '(D) Ever goes to the dentist

```
SPSS Syntax
recode dentwhy (-9=copy) (1,2=1) (3=0) into dentwhbi.
end repeat.
var lab dentwhbi '(D) ever goes to dentist'.
val lab dentwhbi 0 'No' 1 'Yes'.
```

Use of services - children

GPBI: (D) Talked to GP in last 2 weeks - binary
CASCBI: (D) Attended casualty in last 12 months - binary
INPATCBI: (D) Inpatient in last 12 months - binary
DAYPCBI: (D) Day patient in last 12 months - binary
OUTPCBI: (D) Outpatient in last 12 months - binary
DENCBI: (D) Dentist in last 12 months - binary
ORTHCBI: (D) Orthodontist in last 12 months - binary
CNURSCBI: (D) Seen a health visitor, district or comm nurse - binary
PNURSCBI: (D) Practice nurse - binary
OPTICBI: (D) Visited an optician - binary
SPEECBI: (D) Speech therapist - binary
GPOUTCBI: (D) Seen a GP out of hours - binary
NHSDCBI: (D) Used the NHS direct helpline - binary
PHARMCBI: (D) Used a pharmacist - binary
ACCBI: (D) Hospital for accident, injury or poisoning in last 3 months - binary

0 No
1 Yes

All use of services variables have the same value labels

```
SPSS Syntax
do repeat xxx= gp casch inpatch daypatch outpatch dentch orthch cnursch pnursch opticnch speechch gpoutch
nhsdirch pharmch acc
 /yyy=gpbi cascbi inpatcbi daypcbi outpcbi dencbi orthcbi cnurscbi pnurscbi opticbi speecbi gpoutcbi
nhsdcbi pharmcbi accbi.
recode xxx(1=1)(2=0)(else=copy) into yyy.
end repeat.
var lab gpbi '(D) Talked to GP in last 2 weeks - binary'.
var lab cascbi '(D) Attended casualty in last 12 months - binary'.
```

```
var lab inpatcbi '(D) Inpatient in last 12 months - binary'.
var lab daypcbi '(D) Day patient in last 12 months - binary'.
var lab outpcbi '(D) Outpatient in last 12 months - binary'.
var lab dencbi '(D) Dentist in last 12 months - binary'.
var lab orthcbi '(D) Orthodontist in last 12 months - binary'.
var lab cnurscbi '(D) Seen a health visitor, district or comm nurse - binary'.
var lab pnurscbi '(D) Practice nurse - binary'.
var lab opticbi '(D) Visited an optician - binary'.
var lab speecbi '(D) Speech therapist - binary'.
var lab gpoutcbi '(D) Seen a GP out of hours - binary'.
var lab nhsdcbi '(D) Used the NHS direct helpline - binary'.
var lab pharmcbi '(D) Used a pharmacist - binary'.
var lab accbi '(D) Hospital for accident, injury or poisoning in last 3 months - binary'.

val lab gobi to accbi 0 'No' 1 'Yes'.
```

Smoking

SMOKEC: (D) Currently smoke either daily or occasionally

0 No
1 Yes

```
SPSS Syntax
recode smok (1,2=1) (3 thru 5=0)(else=copy) into smokec.
variable labels smokec "(D) Currently smoke either daily or occasionally".
value labels smokec 0 'No' 1 'Yes'.
```

SMOKED: (D) Currently smoke daily

0 No
1 Yes

```
SPSS Syntax
recode smok (1=1) (2 thru 5=0)(else=copy) into smoked.
variable labels smoked "(D) Currently smoke daily".
value labels smoked 0 'No' 1 'Yes'.
```

SMOKEE: (D) Ever smoked

0 No
1 Yes

```
SPSS Syntax
recode smok (1 thru 4=1) (5=0)(else=copy) into smokee.
variable labels smokee "(D) Ever smoked".
value labels smokee 0 'No' 1 'Yes'.
```

SMOKSTAT: (D) Smoking status

1 Current smoker
2 Ex-smoker
3 Never smoked

```
SPSS Syntax
recode smok (1 thru 2=1)(3 thru 4=2)(5=3)(else=copy) into smokstat.
var lab smokstat "(D) Smoking status".
val lab smokstat
 1 'Current smoker'
 2 'Ex-smoker'
 3 'Never smoked'.
```

SMOKEX: (D) Ex-smoker

0 No
1 Yes

```
SPSS Syntax
recode smok (3 thru 4=1) (1 thru 2,5=0)(else=copy) into smokex.
variable labels smokex "(D) Ex-smoker".
value labels smokex 0 'No' 1 'Yes'.
```

SMOKOUT: (D) Whether smoke outdoors

0 No
1 Yes

```
SPSS Syntax
compute smokout=99.
if any(smok,3,4,5,-9) smokout=-1.
```

```
if any(1,smouthom,smoutoth) smokout=1.
if smouthom=2 & smoutoth=2 smokout=0.
if (smokout=99 & any(-9,smouthom,smoutoth)) smokout=-9.
variable labels smokout "(D) Whether smoke outdoors".
value labels smokout 0 'No' 1 'Yes'.
```

SMOKIN: (D) Whether smoke indoors

0 No
1 Yes

```
SPSS Syntax
compute smokin=99.
if any(smok,3,4,5,-9) smokin=-1.
if any(1,sminhome,sminoph,smincar,sminothe) smokin=1.
if (sminhome=2 & sminoph=2 & smincar=2 & sminothe=2) smokin=0.
if (smokin=99 & any(-9,sminhome,sminoph,smincar,sminothe)) smokin=-9.
variable labels smokin "(D) Whether smoke indoors".
value labels smokin 0 'No' 1 'Yes'.
```

TRYGUPBI: (D) Tried to give up smoking - binary
LIKGUPBI: (D) Would like to give up smoking - binary

0 No
1 Yes

All binary variables have the same value labels

```
SPSS Syntax
do repeat xxx=triedgup likegup
 /yyy=trygupbi likgupbi.
recode xxx(1=1)(2=0)(else=copy) into yyy.
end repeat.
var lab trygupbi '(D) Tried to give up smoking - binary'.
var lab likgupbi '(D) Would like to give up smoking - binary'.
val lab trygupbi to likgupbi 0 'No' 1 'Yes'.
```

EXOUALL: (D) Exposed to smoke outdoors - all

0 No
1 Yes

```
SPSS Syntax
compute exouall=99.
if any(1,expouth,expoutot) exouall=1.
if expouth=2 & expoutot=2 exouall=0.
if (exouall=99 & any(-9,expouth,expoutot)) exouall=-9.
variable labels exouall "(D) Exposed to smoke outdoors - all".
value labels exouall 0 'No' 1 'Yes'.
```

EXOUNSM: (D) Exposed to smoke outdoors - non-smokers only

0 No
1 Yes

```
SPSS Syntax
compute exounsm=exouall.
if any(smok,1,2,-9,-8) exounsm=-1.
variable labels exounsm "(D) Exposed to smoke outdoors - non-smokers only".
value labels exounsm 0 'No' 1 'Yes'.
```

EXINALL: (D) Exposed to smoke indoors - all

0 No
1 Yes

```
SPSS Syntax
compute exinall=99.
```

```
if any(1,expinh,expinhot,expincar,expinoth) exinall=1.
if (expinh=2 & expinhot=2 & expincar=2 & expinoth=2) exinall=0.
if (exinall=99 & any(-9,expinh,expinhot,expincar,expinoth)) exinall=-9.
variable labels exinall "(D) Exposed to smoke indoors - all".
value labels exinall 0 'No' 1 'Yes'.
```

EXINNSM: (D) Exposed to smoke indoors - non-smokers only

0 No
1 Yes

```
SPSS Syntax
compute exinnsm=exinall.
if any(smok,1,2,-9,-8) exinnsm=-1.
variable labels exinnsm "(D) Exposed to smoke indoors - non-smokers only".
value labels exinnsm 0 'No' 1 'Yes'.
```

EXPOALL: (D) Exposed to smoke - all

0 No
1 Yes

```
SPSS Syntax
compute expoall=99.
if any(1,expouth,expoutot,expinh,expinhot,expincar,expinoth) expoall=1.
if (expouth=2 & expoutot=2 & expinh=2 & expinhot=2 & expincar=2 & expinoth=2) expoall=0.
if (expoall=99 & any(-9,expouth,expoutot,expinh,expinhot,expincar,expinoth)) expoall=-9.
variable labels expoall "(D) Exposed to smoke - all".
value labels expoall 0 'No' 1 'Yes'.
```

EXPONSM: (D) Exposed to smoke - non-smokers only

0 No
1 Yes

```
SPSS Syntax
compute exponsm=expoall.
if any(smok,1,2,-9,-8) exponsm=-1.
variable labels exponsm "(D) Exposed to smoke - non-smokers only".

value labels exponsm 0 'No' 1 'Yes'.
```

STPSMK1m (D) gave up smoking at least one month ago

0 no
1 yes

```
SPSS Syntax

*stpsmk1m.
RECODE stpsmk (1=0)(2,3=1)(ELSE=COPY) INTO stpsmk1m.
VARIABLE LABELS stpsmk1m "(D) Gave up smoking at least one month ago".
VALUE LABELS stpsmk1m
0 "no (gave up in the last month)"
1 "yes".
execute.
fre stpsmk1m.
```

STPSMK1Y (D) Gave up smoking at least one year ago

0 no
1 yes

```
SPSS Syntax

*stpsmk1y.
```

```
RECODE stpsmk (1,2=0)(3=1)(ELSE=COPY) INTO stpsmk1y.
VARIABLE LABELS stpsmk1y "(D) Gave up smoking at least one year ago".
VALUE LABELS stpsmk1y
0 "no (gave up in the last year)"
1 "yes".
execute.

fre stpsmk1y.

cro stpsmk1y by stpsmk.
```

Wellbeing

Adults only

WBSATIS1 (D) Life satisfaction.
WBWORTH1 (D) Worthwhile.
WBHAPPY1 (D) Happy yesterday.

1 Very low (0-4)
2 Low (5-6)
3 Medium (7-8)
4 High. (9-10)

```
SPSS Syntax
recode wbsatis (0 thru 4=1)(5,6=2)(7,8=3)(9,10=4)(ELSE=COPY) INTO wbsatis1.
recode wbworth (0 thru 4=1)(5,6=2)(7,8=3)(9,10=4)(ELSE=COPY) INTO wbworth1.
recode wbhappy (0 thru 4=1)(5,6=2)(7,8=3)(9,10=4)(ELSE=COPY) INTO wbhappy1.
variable labels wbsatis1 '(D) Life satisfaction'.
variable labels wbworth1 '(D) Worthwhile'.
variable labels wbhappy1 '(D) Happy yesterday'.
value labels wbsatis1 wbworth1 wbhappy1
       1      'Very low (0-4)'
       2      'Low (5-6)'
       3      'Medium (7-8)'
       4      'High (9-10)'.
```

WBSATIS2 (D) Life satisfaction.
WBWORTH2 (D) Worthwhile.
WBHAPPY2 (D) Happy yesterday.

1 Low (0-6)
2 Medium (7-8)
3 High (9-10).

```
recode wbsatis (0 thru 6=1)(7,8=2) (9,10=3)(ELSE=COPY) INTO wbsatis2.
recode wbworth (0 thru 6=1)(7,8=2) (9,10=3)(ELSE=COPY) INTO wbworth2.
recode wbhappy (0 thru 6=1)(7,8=2) (9,10=3)(ELSE=COPY) INTO wbhappy2.
variable labels wbsatis2 '(D) Life satisfaction'.
variable labels wbworth2 '(D) Worthwhile'.
variable labels wbhappy2 '(D) Happy yesterday'.
value labels wbsatis2 wbworth2 wbhappy2
       1      'Low (0-4)
       2      'Medium (5-10)'
       3      'High (9-10)'.
```

WBSATIS3 (D) Life satisfaction.
WBWORTH3 (D) Worthwhile.
WBHAPPY3 (D) Happy yesterday.

1 Very low (0-4)
2 Not very low (5-10).

```
recode wbsatis (0 thru 4=1)(5 thru 10=2)(ELSE=COPY) INTO wbsatis3.
recode wbworth (0 thru 4=1)(5 thru 10=2)(ELSE=COPY) INTO wbworth3.
recode wbhappy (0 thru 4=1)(5 thru 10=2)(ELSE=COPY) INTO wbhappy3.
variable labels wbsatis3 '(D) Life satisfaction'.
variable labels wbworth3 '(D) Worthwhile'.
variable labels wbhappy3 '(D) Happy yesterday'.
value labels wbsatis3 wbworth3 wbhappy3
       1      'Very low (0-4)'
       2      'Not very low (5-10)'.
```

WBSATIS4 (D) Life satisfaction.
WBWORTH4 (D) Worthwhile.
WBHAPPY4 (D) Happy yesterday.

1 Low (0-6)
2 Medium-high (7-10)

```
recode wbsatis (0 thru 6=1)(7 thru 10=2)(ELSE=COPY) INTO wbsatis4.
recode wbworth (0 thru 6=1)(7 thru 10=2)(ELSE=COPY) INTO wbworth4.
recode wbhappy (0 thru 6=1)(7 thru 10=2)(ELSE=COPY) INTO wbhappy4.
variable labels  wbsatis4 '(D) Life satisfaction'.
variable labels wbworth4 '(D) Worthwhile'.
variable labels wbhappy4 '(D) Happy yesterday'.
value labels wbsatis4 wbworth4 wbhappy4
       1      'Low (0-6)'
       2      'Medium-high (7-10)'.
```

WBANX1 (D) Anxious yesterday.

1 Low (0-1)
2 Medium (2-3)
3 High (4-5)
4 Very high (6-10).

WBANX2 (D) Anxious yesterday.

1 Low (0-1)
2 Medium (2-3)
3 High (4-10).

WBANX3 (D) Anxious yesterday.

1 Not very high (0-5)
2 Very high (6-10).

WBANX4 (D) Anxious yesterday.

1 Low-medium (0-3)
2 High (4-10).

```
recode wbanx (0, 1=1)(2,3=2)(4,5=3)(6 thru 10=4)(ELSE=COPY) INTO wbanx1.
recode wbanx (0, 1=1)(2,3=2) (4 thru 10=3)(ELSE=COPY) INTO wbanx2.
recode wbanx (0 thru 5=1)(6 thru 10=2)(ELSE=COPY) INTO wbanx3.
recode wbanx (0 thru 3=1)(4 thru 10=2)(ELSE=COPY) INTO wbanx4.
variable labels wbanx1 '(D) Anxious yesterday'.
value labels wbanx1
       1      'Low (0-1)'
       2      'Medium (2-3)'
       3      'High (4-5)'
       4      'Very high (6-10)'.

variable labels wbanx2 '(D) Anxious yesterday'.
value labels wbanx2
       1      'Low (0-1)'
       2      'Medium (2-3)'
       3      'High (4-10)'.

variable labels wbanx3 '(D) Anxious yesterday'.
value labels wbanx3
       1      'Not very high (0-5)'
       2      'Very high (6-10)'.

variable labels wbanx4 '(D) Anxious yesterday'.
value labels wbanx4
       1      'Low-medium (0-3)'
       2      'High (4-10)'.
```