National Diet and Nutrition Survey
Years 7 and 8 (2014/15-2015/16)

List of Variables for UK Data

Contents

Introduction

This document should be used as the starting point to analysing the NDNS UK Year 7-8 data, as it categorises all the variables stored on the dataset to two levels, and it is therefore easier to see the coverage of questions asked at this summary level. It also indicates in which survey year the variable can be found.

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

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

HHold	Household CAPI Questionnaire
Indiv	Individual CAPI Questionnaire
Nurse	Nurse CAPI Questionnaire
Diary	Dietary data
SC …	Self-Completion Booklet: SC 8-12, SC 13-15, SC YP, SC16+. Where a question appears in more than one booklet the range is widened (e.g. SC8-15)
Lab	Results from laboratory, i.e. from blood or urine testing
COMA	Dietary Reference Values from the Report on Health and Social Subjects 41 Dietary Reference Values (DRVs) for Food Energy and Nutrients for the UK, COMA, 1991.
Derived	A variable derived from other variables, and detailed in the Derived Variable Specification document
SACN	Dietary Reference Values from the Scientific Advisory Committee on Nutrition. Dietary Reference Values for Energy report, SACN, 2011.

CLASSIFICATION

Household

Variable	Description	Source	Year 7	Year 8
HSERIAL[1]	Household level serial number	Hhold	✔	✔
OUTCOME	Final household outcome	Hhold	✔	✔
PGRID	Respondent number in household grid	Hhold	✔	✔
DMHSIZE	Total number of people in HHold	Hhold	✔	✔
NUMADULT	Number of adults aged 16 and over in household	Hhold	✔	✔
NUMCH118	Children aged between 18 months and 18	Hhold	✔	✔
NUM19	Number aged 19+	Hhold	✔	✔
NUMCH04	Children aged between 0 and 4	Hhold	✔	✔
NUMCHILD	Children aged between 0 and 15	Hhold	✔	✔
TEN1	Household tenure	Hhold	✔	✔
FURN	Is accommodation furnished?	Hhold	✔	✔
TENURE	(D) Tenure	Derived	✔	✔
HHLDR1	Accommodation owned/rented by person 1	Hhold	✔	✔
HHLDR2	Accommodation owned/rented by person 2	Hhold	✔	✔
HHLDR3	Accommodation owned/rented by person 3	Hhold	✔	✔
HHLDR4	Accommodation owned/rented by person 4	Hhold	✔	✔
HHLDR5	Accommodation owned/rented by person 5	Hhold	✔	✔
HHLDR6	Accommodation owned/rented by person 6	Hhold	✔	✔
HHLDR7	Accommodation owned/rented by person 7	Hhold	✔	✔
HHLDR8	Accommodation owned/rented by person 8	Hhold	✔	✔
HHLDR9	Accommodation owned/rented by person 9	Hhold	✔	✔

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[1] Variable renamed SERIALH in archived dataset

Individual

Variable	Description	Source	Year 7	Year 8
ISERIAL[2]	Individual serial number	Indiv	✓	✓
IOUT	Final individual outcome	Indiv	✓	✓
SEX	Sex	Indiv	✓	✓
AGE	Age	Indiv	✓	✓
DOB*	Date of birth	Indiv	✓	✓
AGEGR1	(D) Age of respondent, grouped	Derived	✓	✓
AGEGR2	(D) Adult vs. child	Derived	✓	✓
AGEGAD1	(D) Age of respondent 16+, grouped into 4 groups	Derived	✓	✓
AGEGAD2	(D) Age of respondent 16+, grouped into 5 groups	Derived	✓	✓
AGEGCH1	(D) Age of respondent <16, grouped	Derived	✓	✓
AGEGUR	(D) Detailed age groups for urine analysis	Derived	✓	✓
AGEGDIET	(D) Detailed age groups for dietary analysis (4 groups, 11-64)	Derived	✓	✓
MARST2	Legal marital status	Indiv	✓	✓
LIVEW2	Whether living together as a couple	Indiv	✓	✓

Admin

Variable	Description	Source	Year 7	Year 8
DIARYD	Number of diary days completed	Indiv	✓	✓
QUARTER	(D) Quarter of fieldwork	Derived	✓	✓
MONTH	Month of fieldwork	Hhold	✓	✓
HRPNO	Person number of HRP from HHGrid	Hhold	✓	✓
ADCHILD	Adult or Child respondent (equates to person number in individual data)	Hhold	✓	✓
ADNUM1	Person number of adult respondent from HHGrid	Hhold	✓	✓
CHNUM	Person number of child respondent from HHGrid	Hhold	✓	✓
CHRESP	Person number of who answers for child from HHGrid	Hhold	✓	✓
MFPNUM	Person number of main food provider from HHGrid	Hhold	✓	✓

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[2] Variable renamed SERIALI in archived dataset

* Variable removed from archived dataset for reasons of confidentiality

NHSCAN*	Consent to NHSCR	Indiv	✔	✔
RECONTACT*	Permission to contact for further DH projects	Indiv	✔	✔

Booklet admin

Variable	Description	Source	Year 7	Yeer 8
SCTYPE	Type of S/C offered	Indiv	✔	✔
SCOMP3	Smoking/drinking self completion booklet completed	Indiv	✔	✔
RPAQCHK	Whether respondent completed RPAQ self completion booklet	Indiv	✔	✔

Education

Variable	Description	Source	Year 7	Year 8
educfinh	Age finished full time education (HRP)	Indiv	✔	✔
qualchh	Any qualifications (HRP)	Indiv	✔	✔
qual7h	(D) Qualifications gained, grouped (HRP)	Derived	✔	✔
educfinm	Age finished full time education (MFP)	Derived	✔	✔
qualchm	Any qualifications (MFP)	Indiv	✔	✔
qual7m	(D) Qualifications gained, grouped (MFP)	Indiv	✔	✔
EDUCFIN	Age finished full time education	Indiv	✔	✔
QUALCH	Any qualifications	Indiv	✔	✔
QUAL7	(D) Qualifications gained, grouped	Derived	✔	✔

Employment

Variable	Description	Source	Year 7	Year 8
HRPWRKS	HRP working	Hhold	✔	✔
WRKSTAT	Economic status	Hhold	✔	✔
PTWORK	Has job as well as studying	Hhold	✔	✔
EVERWK	Ever had paid job	Hhold	✔	✔
jobyesh	HRP: Whether have a job	Hhold	✔	✔
regcash	HRP: Can I just check, are you in a regular job or an occasional job?	Hhold	✔	✔
reghrsh	HRP: No. of hours worked per week in regular job	Hhold	✔	✔

wtyphrsh	HRP: Is this the typical number of hours you work	Hhold	✓	✓
ntyphrsh	HRP: Typical no. of hours worked per week in regular job	Hhold	✓	✓
cashrsh	HRP: No. of hours worked per week in occasional job	Hhold	✓	✓
typcash	HRP: Is this the typical number of hours you work in your occasional job?	Hhold	✓	✓
ncashrsh	HRP: Typical no. of hours worked per week in occasional job	Hhold	✓	✓
STAT	HRP: Employed or self employed	Hhold	✓	✓
MANAGE	HRP: Any managerial duties	Hhold	✓	✓
EMPNO	HRP: No. employed at place of work	Hhold	✓	✓
SOLO	HRP: Work alone or with employees	Hhold	✓	✓
SENO	HRP: Self- employed how many employees	Hhold	✓	✓
REGCAS	Can I just check, are you in a regular job or an occasional job?	Indiv	✓	✓
REGHRS	No. of hours worked per week in regular job	Indiv	✓	✓
WTYPHRS	Is this the typical number of hours you work	Indiv	✓	✓
NTYPHRS	Typical no. of hours worked per week in regular job	Indiv	✓	✓
CASHRS	No. of hours worked per week in occasional job	Indiv	✓	✓
TYPCAS	Is this the typical number of hours you work in your occasional job?	Indiv	✓	✓
NCASHRS	Typical no. of hours worked per week in occasional job	Indiv	✓	✓
SOC2010MG9	HRP: SOC 2010 (9 category)	Hhold	✓	✓
SIC2007B	HRP: Standard Industrial Classification 2007 (grouped)	Hhold	✓	✓
NSSEC8	(D) NS-SEC 8 variable classification (hrp)	Derived	✓	✓
mfpwrks	MFP working	Hhold	✓	✓
jobyesm	MFP: Whether have a job	Hhold	✓	✓
regcasm	MFP: Can I just check, are you in a regular job or an occasional job?	Hhold	✓	✓
reghrsm	MFP: No. of hours worked per week in regular job	Hhold	✓	✓
wtyphrsm	MFP: Is this the typical number of hours you work	Hhold	✓	✓
ntyphrsm	MFP: Typical no. of hours worked per week in regular job	Hhold	✓	✓
cashrsm	MFP: No. of hours worked per week in occasional job	Hhold	✓	✓
typcasm	MFP: Is this the typical number of hours you work in your occasional job?	Hhold	✓	✓

Ethnicity

Variable	Description	Source	Year 7	Year 8
ETHGR5	(D) Ethnic group, 5 groups	Derived	✓	✓
ETHGR2	(D) Ethnic group, 2 groups	Derived	✓	✓
NATIDUKy5	UK National identity	Hhold	✓	✓
NATIDGBy5	GB National identity	Hhold	✓	✓
NATIDNIy5	NI National identity	Hhold	✓	✓

Income

Variable	Description	Source	Year 7	Year 8
EQVINC	(D) Equivalised household income	Derived	✓	✓
eqv3	(D) Equivalised household income tertiles (Y7)			
HHINC	Total household income last 12 months	Indiv	✓	✓
beneft1y6	Income source: Earnings from employment or self-employment	Indiv	✓	✓
beneft2y6	Income source: State retirement pension	Indiv	✓	✓
beneft3y6	Income source: Pension from former employer	Indiv	✓	✓
beneft4y6	Income source: Personal pensions	Indiv	✓	✓
beneft5y6	Income source: Job seekers allowance	Indiv	✓	✓
beneft6y6	Income source: Employment and Support Allowance	Indiv	✓	✓
beneft7y6	Income source: Income support	Indiv	✓	✓
beneft8y6	Income source: Pension credit	Indiv	✓	✓
beneft196	Income source: Working tax credit	Indiv	✓	✓
beneft10y6	Income source: Child tax credit	Indiv	✓	✓
beneft11y6	Income source: Child benefit	Indiv	✓	✓
beneft12y6	Income source: Housing benefit	Indiv	✓	✓
beneft13y6	Income source: Council tax benefit	Indiv	✓	✓
beneft14y6	Income source: Other savings benefits	Indiv	✓	✓
beneft15y6	Income source: Interest from savings and investments	Indiv	✓	✓
beneft16y6	Income source: Other kinds of regular allowance from outside your household	Indiv	✓	✓
beneft17y6	Income source: No source of income	Indiv	✓	✓

Nurse admin

Variable	Description	Source	Year 7	Year 8
NUROUTC	Outcome of nurse visit	Nurse	✔	✔
NURSE	Agreed to nurse appointment (at individual interview)	Indiv	✔	✔
AGRNURSE	(D) Whether agreed nurse visit	Derived	✔	✔
NVISIT	(D) Whether visited by nurse	Derived	✔	✔
NURSEMTH	Month of nurse visit	Nurse	✔	✔
BLOODMTH	Month of blood visit	Nurse	✔	✔
HLTHCH	Any changes to general health since interviewer visit	Indiv	✔	✔
NURSEREF	No nurse: Own doctor already has information	Indiv	✔	✔
NURSERE2	No nurse: Given enough time already to this survey/expecting too much	Indiv	✔	✔
NURSERE3	No nurse: Too busy, cannot spare the time	Indiv	✔	✔
NURSERE4	No nurse: Had enough of medical tests/medical profession	Indiv	✔	✔
NURSERE5	No nurse: Worried about what nurse may find out	Indiv	✔	✔
NURSERE6	No nurse: Scared/of medical profession/ particular medical procedures	Indiv	✔	✔
NURSERE7	No nurse: Not interested/Can t be bothered/No particular reason	Indiv	✔	✔
NURSERE8	No nurse: Other reason	Indiv	✔	✔
PREGNTJ	Pregnant or breastfeeding (aged 16+)	Nurse	✔	✔
UPREG	Pregnant or breastfeeding (aged 10-15)	Nurse	✔	✔

Relationships

Variable	Description	Source	Year 7	Year 8
RELHRP	HRP is respondents…	Hhold	✔	✔
REL01	Person 1's relationship to respondent	Hhold	✔	✔
REL02	Person 2's relationship to respondent	Hhold	✔	✔
REL03	Person 3's relationship to respondent	Hhold	✔	✔
REL04	Person 4's relationship to respondent	Hhold	✔	✔
REL05	Person 5's relationship to respondent	Hhold	✔	✔
REL06	Person 6's relationship to respondent	Hhold	✔	✔
REL07	Person 7's relationship to respondent	Hhold	✔	✔
REL08	Person 8's relationship to respondent	Hhold	✔	✔
REL09	Person 9's relationship to respondent	Hhold	✔	✔

P2MUM	Mother of selected child from HHGrid	Hhold	✓	✓
P2DAD	Father of selected child from HHGrid	Hhold	✓	✓
PAR1	Child's parent or legal responsibility for him/her	Hhold	✓	✓
PAR2	Other parent or person legally responsible for him/her	Hhold	✓	✓

Sample

Variable	Description	Source	Year 7	Year 8
REGION	(D) Country/region	Derived	✓	✓
GOR	Government Office Region	Sample	✓	✓
qeimd	Quintile of IMD score (England, 2010)	Sample	✓	✓
qsimd	Quintile of IMD score (Scotland), 2012	Sample	✓	✓
qwimd	Quintile of IMD score (Wales, 2011)	Sample	✓	✓
qnimd	Quintile of IMD score (Northern Ireland, 2010)	Sample	✓	✓
POINT[3]	Primary sampling unit (PSU)	Sample	✓	✓
ADDRESS[4]	Address number	Sample	✓	✓
STRATA[5]	Stratification level	Sample	✓	✓
SAMPTYPE	Sample type	Sample	✓	✓
SCRTYPE	Core or child boost	Sample	✓	✓
COUNTRY	(D) Country	Derived	✓	✓
SURVEYYR	Survey year	Sample	✓	✓

Weighting

Variable	Description	Source	Year 7	Year 8
WTI_Y78	Weight for individual and diary-all ages, combined Y7&8	Other	✓	✓
WTN_Y78	Weight for nurse-all ages, combined Y7&8	Other	✓	✓
WTR_Y78	Weight for RPAQ-all ages, combined Y7&8	Other	✓	✓
WTB_Y78	Weight for blood-all ages, combined Y7&8	Other	✓	✓
WTSU_Y78	Weight for analysis of spot urinary iodine data, ages 4 year and over, combined Y7&8	Other	✓	✓

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[3] Variable renamed AREA in archived dataset
[4] Variable renamed ADDNUM in archived dataset
[5] Variable renamed ASTRATA in archived dataset

MAIN FOOD PROVIDER

Admin

Variable	Description	Source	Year 7	Year 8
MFPSEX	Gender of MFP	MFP	✔	✔
MFPAGE	Age of MFP	MFP	✔	✔
MFPPROX	Proxy or personal interview with MFP	MFP	✔	✔
MPROXWHO	Person number of MFP Proxy	MFP	✔	✔

Shopping habits

Variable	Description	Source	Year 7	Year 8
SHOPFV	Veg shops	MFP	✔	✔
FVOFT	How often buy fresh fruit and veg	MFP	✔	✔
FRUITAV	How often have fresh fruit available at home	MFP	✔	✔

Food preparation

Variable	Description	Source	Year 7	Year 8
MINCF1	Mince fat	MFP	✔	✔
MINCF2	Strain mince fat	MFP	✔	✔
CHIPHOW	How prepare chips	MFP	✔	✔
SALTCHK	Salt added during cooking	MFP	✔	✔
SALHOWC	How often salt added during cooking	MFP	✔	✔
SLTSHOW	How often salt substitute added during cooking	MFP	✔	✔

SCHOOL PROVISION

School provision

Variable	Description	Source	Year 7	Year 8
SCHTYPE	School type	Indiv	✓	✓
SCHPROV	School provides food	Indiv	✓	✓
SCHMEAL	School provides cooked meal	Indiv	✓	✓
SCHPROV2	Child has school cooked meal	Indiv	✓	✓
SCHLUN	What usually have for lunch on school day	Indiv	✓	✓
SCHSN	Whether can buy snacks at school	Indiv	✓	✓
SCHSN2	Ever buy or eat snacks bought at school	Indiv	✓	✓
SCHSUB1	School subsidy: Free school meal (at lunchtime)	Indiv	✓	✓
SCHSUB2	School subsidy: Reduced price or subsidised school meal (at lunchtime)	Indiv	✓	✓
SCHSUB3	School subsidy: Free school milk	Indiv	✓	✓
SCHSUB4	School subsidy: Subsidised school milk	Indiv	✓	✓
SCHSUB5	School subsidy: Free fruit	Indiv	✓	✓
SCHSUB8	School subsidy: Free food BEFORE school	Indiv	✓	✓
SCHSUB9	School subsidy: Free food AFTER school	Indiv	✓	✓
SCHSUB10	School subsidy: Other	Indiv	✓	✓
SCHSUB11	School subsidy: None of these	Indiv	✓	✓
SCHOOL2	Entitled subsidy	Indiv	✓	✓
SCHOOL2I	YNot subsidy	Indiv	✓	✓
SCHOFT	Per week no. free sch meals	Indiv	✓	✓
SCHOFT2	YNot all subsidy	Indiv	✓	✓
PRSCOFT	Per week no. free pre-sch meals	Indiv	✓	✓
POSCOFT	Per week no. free after sch meals	Indiv	✓	✓

EATING OUT AND OTHER PROVISION

Eating out and other provision

Variable	Description	Source	Year 7	Year 8
HECLUB1	Use of services: Lunch club?	Indiv	✓	✓
HECLUB2	Use of services: Day care centre?	Indiv	✓	✓
HECLUB3	Use of services: Meals on wheels?	Indiv	✓	✓
HECLUB4	Use of services: None of these?	Indiv	✓	✓
HELC	How often lunch club	Indiv	✓	✓
HEDCC	How often day care centre	Indiv	✓	✓
HEMW	How often meals on wheels	Indiv	✓	✓
MWHOW	How receive meals on wheels	Indiv	✓	✓
MEALOUT	How often eat meals out	Indiv	✓	✓
TAMEAL	How often eat takeaway meals	Indiv	✓	✓
CANTEEN	Canteen	Indiv	✓	✓
CANTSUB	Canteen subsidised	Indiv	✓	✓
LUNCHWK	Lunch at work	Indiv	✓	✓

EATING HABITS

Eating habits

Variable	Description	Source	Year 7	Year 8
OILFISH	Eaten tinned oily fish in last 12 months (not incl tinned tuna)	Indiv	✓	✓
FROFSH	Fresh/frozen oily fish in last year	Indiv	✓	✓
SHFISH	Shellfish in last year	Indiv	✓	✓
OFFAL	Offal in last year	Indiv	✓	✓
RARE0Y3	Rare foods eaten: None of these	Indiv	✓	✓
RARE1Y3	Rare foods eaten: Sprats	Indiv	✓	✓
RARE2Y3	Rare foods eaten: Seeds as a snack (e.g. sunflower seeds, pumpkin seeds, sesame seeds, melon seeds (also known as egusi)	Indiv	✓	✓
RARE3Y3	Rare foods eaten: Cassava chips/cassavacrisps	Indiv	✓	✓
RARE4Y3	Rare foods eaten: Seaweed (includes hijiki, wakame)	Indiv	✓	✓
RARE5Y3	Rare foods eaten: Sushi (including purchased sushi)	Indiv	✓	✓
RARE6Y3	Rare foods eaten: Papaya (include fresh and canned)	Indiv	✓	✓
RARE7Y3	Rare foods eaten: Dried papaya	Indiv	✓	✓
RARE8Y3	Rare foods eaten: Game (includes venison, rabbit, pheasant, partridge, wood pigeon, hare or wild boar	Indiv	✓	✓
rare9y6	Rare foods eaten: Non cows milk (includes rice milk, soya milk, sheeps milk, goats milk, oat milk or almond milk)	Indiv	✓	✓
RARE10Y3	Rare foods eaten: Fish eggs, for example caviar, cods roe	Indiv	✓	✓
RARE11Y3	Rare foods eaten: Smoked sausages	Indiv	✓	✓
RARE12Y3	Rare foods eaten: Gogi berries	Indiv	✓	✓
RARE13Y3	Rare foods eaten: Fish liver (not oil)	Indiv	✓	✓
RARE14Y3	Rare foods eaten: Dark chocolate i.e 50% or higher cocoa solids	Indiv	✓	✓
RARE15Y3	Rare foods eaten: Okra	Indiv	✓	✓
rare16y6	Rare foods eaten: Brown crab meat			
RARO1Y3	How often have you eaten sprats	Indiv	✓	✓
RARO2Y3	How often have you eaten seeds as a snack (e.g. sunflower seeds, pumpkin seeds, sesame seeds, melon seeds (also known as egusi)	Indiv	✓	✓
RARO3Y3	How often have you eaten cassava chips/cassavacrisps	Indiv	✓	✓
RARO4Y3	How often have you eaten seaweed (includes hijiki, wakame)	Indiv	✓	✓

RARO5Y3	How often have you eaten sushi (including purchased sushi)	Indiv	✓	✓
RARO6Y3	How often have you eaten papaya (include fresh and canned)	Indiv	✓	✓
RARO7Y3	How often have you eaten dried papaya	Indiv	✓	✓
RARO8Y3	How often have you eaten game (includes venison, rabbit, pheasant, partridge, wood pigeon, hare or wild boar)	Indiv	✓	✓
raro9y6	How often have you eaten non cows milk (includes rice milk, soya milk, sheeps milk, goats milk, oat milk or almond milk)	Indiv	✓	✓
RARO10Y3	How often have you eaten fish eggs, for example caviar, cods roe	Indiv	✓	✓
RARO11Y3	How often have you eaten smoked sausages	Indiv	✓	✓
RARO12Y3	How often have you eaten gogi berries	Indiv	✓	✓
RARO13Y3	How often have you eaten fish liver (not oil)	Indiv	✓	✓
RARO14Y3	How often have you eaten dark chocolate	Indiv	✓	✓
RARO15Y3	How often have you eaten okra	Indiv	✓	✓
raro16y6	How often have you eaten brown crab meat	Indiv	✓	✓
GAMETYP1	Type of game eaten: Pheasant	Indiv	✓	✓
GAMETYP2	Type of game eaten: Partridge	Indiv	✓	✓
GAMETYP3	Type of game eaten: Quail	Indiv	✓	✓
GAMETYP4	Type of game eaten: Wood pigeon	Indiv	✓	✓
GAMETYP5	Type of game eaten: Rabbit	Indiv	✓	✓
GAMETYP6	Type of game eaten: Venison	Indiv	✓	✓
GAMETYP7	Type of game eaten: Hare	Indiv	✓	✓
GAMETYP8	Type of game eaten: Grouse	Indiv	✓	✓
GAMETYP9	Type of game eaten: Other	Indiv	✓	✓
NCOWMTYP	Type of non cows milk: Rice milk	Indiv	✓	✓
NCOWMTY2	Type of non cows milk: Soya milk	Indiv	✓	✓
NCOWMTY3	Type of non cows milk: Sheeps milk	Indiv	✓	✓
NCOWMTY4	Type of non cows milk: Goats milk	Indiv	✓	✓
NCOWMTY5	Type of non cows milk: Oat milk	Indiv	✓	✓
ncowmty6	Type of non cows milk: Almond milk	Indiv	✓	✓
NCOWMTY9	Type of non cows milk: Other	Indiv	✓	✓
SAUSTYP1	Type of smoked sausage: Kabanos	Indiv	✓	✓
SAUSTYP2	Type of smoked sausage: Kielbasa	Indiv	✓	✓
SAUSTYP3	Type of smoked sausage: Bratwurst	Indiv	✓	✓
SAUSTYP4	Type of smoked sausage: Cervelat or Summer sausage	Indiv	✓	✓
SAUSTYP5	Type of smoked sausage: Andouille	Indiv	✓	✓
SAUSTYP6	Type of smoked sausage: Knackwurst	Indiv	✓	✓
SAUSTYP7	Type of smoked sausage: Linguica	Indiv	✓	✓

SAUSTYP8	Type of smoked sausage: Chorizo	Indiv	✓	✓
SAUSTYP9	Type of smoked sausage: Mortadella	Indiv	✓	✓
SAUSTY10	Type of smoked sausage: Hot dogs	Indiv	✓	✓
SAUSTY11	Type of smoked sausage: Bologna	Indiv	✓	✓
SAUSTY12	Type of smoked sausage: Other	Indiv	✓	✓

FOOD AVOIDANCE

Food avoidance

Variable	Description	Source	Year 7	Year 8
AVOIDYN	Foods never eat	Indiv	✓	✓
AVOID1	Which types of food never eat: Meat or meat products (not including poultry)	Indiv	✓	✓
AVOID2	Which types of food never eat: Chicken or other poultry and dishes containing them	Indiv	✓	✓
AVOID3	Which types of food never eat: Fish or seafood and fish and seafood dishes	Indiv	✓	✓
AVOID4	Which types of food never eat: Eggs	Indiv	✓	✓
AVOID5	Which types of food never eat: Milk (including yoghurt)	Indiv	✓	✓
AVOID6	Which types of food never eat: Cheese	Indiv	✓	✓
AVOID7	Which types of food never eat: Salad vegetables (e.g. lettuce, cucumber, tomato)	Indiv	✓	✓
AVOID8	Which types of food never eat: Cooked green vegetables (e.g. spinach, cabbage, peas, broccoli)	Indiv	✓	✓
AVOID9	Which types of food never eat: Root vegetables (e.g. carrots, parsnips)	Indiv	✓	✓
AVOID10	Which types of food never eat: Fresh fruit	Indiv	✓	✓
AVOID11	Which types of food never eat: Nuts	Indiv	✓	✓
AVOID12	Which types of food never eat: Offal	Indiv	✓	✓
AVOID13	Which types of food never eat: Other	Indiv	✓	✓
DIETWL	Whether currently dieting to lose weight	Indiv	✓	✓
VEG	Vegetarian or vegan	Indiv	✓	✓
VEGECHK	Vegetarian check	Indiv	✓	✓
VEGANCHK	Vegan check	Indiv	✓	✓
VEGETARN	(D) Vegetarian, vegan or neither	Derived	✓	✓
WSHNPOT	Eat skin of new potatoes	Indiv	✓	✓
WSHPOT	Eat skin of other potatoes	Indiv	✓	✓
EATPEEL1	Eating of peel in different food types: … marmalade, jams or chutneys?	Indiv	✓	✓
EATPEEL2	Eating of peel in different food types:…cakes, biscuits etc?	Indiv	✓	✓

EATPEEL3	Eating of peel in different food types: … home made food/drink e.g. purees, soups, blended drinks etc?	Indiv	✓	✓
EATPEEL4	Eating of peel in different food types: None of these	Indiv	✓	✓
PEEL0	None of these	Indiv	✓	✓
PEEL1	Orange	Indiv	✓	✓
PEEL2	Lemon	Indiv	✓	✓
PEEL3	Kiwi fruit	Indiv	✓	✓
PEEL4	Grapefruit	Indiv	✓	✓
PEEL5	Mango	Indiv	✓	✓
PEEL6	Banana	Indiv	✓	✓
PEEL7	Lime	Indiv	✓	✓
PEEL8	Pineapple	Indiv	✓	✓
PEEL9	Soft citrus fruit (satsumas/ mandarins/ clementines)	Indiv	✓	✓
PEEL10	Melon	Indiv	✓	✓
PEELOFT	How often eat peel or skin of an orange	Indiv	✓	✓
PEELAMT	How much orange peel or skin do you eat	Indiv	✓	✓
PEELOFT2	How often eat peel or skin of a lemon	Indiv	✓	✓
PEELAMT2	How much lemon peel or skin do you eat	Indiv	✓	✓
PEELOFT3	How often eat peel or skin of a kiwi fruit	Indiv	✓	✓
PEELAMT3	How much kiwi fruit peel or skin do you eat	Indiv	✓	✓
PEELOFT4	How often eat peel or skin of a grapefruit	Indiv	✓	✓
PEELAMT4	How much grapefruit peel or skin do you eat	Indiv	✓	✓
PEELOFT5	How often eat peel or skin of a mango	Indiv	✓	✓
PEELAMT5	How much mango peel or skin do you eat	Indiv	✓	✓
PEELOFT6	How often eat peel or skin of a banana	Indiv	✓	✓
PEELAMT6	How much banana peel or skin do you eat	Indiv	✓	✓
PEELOFT7	How often eat peel or skin of a lime	Indiv	✓	✓
PEELAMT7	How much lime peel or skin do you eat	Indiv	✓	✓
PEELOFT8	How often eat peel or skin of a pineapple	Indiv	✓	✓
PEELAMT8	How much pineapple peel or skin do you eat	Indiv	✓	✓
PEELOFT9	How often eat peel or skin of soft citrus fruit	Indiv	✓	✓
PEELAMT9	How much soft citrus fruit peel or skin do you eat	Indiv	✓	✓
PEELOF10	How often eat peel or skin of a melon	Indiv	✓	✓
PEELAM10	How much melon peel or skin do you eat	Indiv	✓	✓
WASHFRU	Wash fruit with skin/peel on before eating/cooking	Indiv	✓	✓
WASHVEG	Wash raw veg before eating	Indiv	✓	✓

GENERAL HEALTH

General health

Variable	Description	Source	Year 7	Year 8
CUTDOWN	Cut down on activities in last 2 weeks	Indiv	✓	✓
NDAYCUTD	How many days cut down on activities in last 2 weeks, including Saturdays and Sundays?	Indiv	✓	✓

Self-assessed health

Variable	Description	Source	Year 7	Year 8
GENHELF	Self assessed general health	Indiv	✓	✓

Longstanding illness

Variable	Description	Source	Year 7	Year 8
HEAL	Whether has longstanding illness	Indiv	✓	✓
heacon	Whether have any physical/mental health condition/illnesses for 12 months or more	Indiv	✓	✓
heaaff1	Condition/illness affects: Vision	Indiv	✓	✓
heaaff2	Condition/illness affects: Hearing	Indiv	✓	✓
heaaff3	Condition/illness affects: Mobility	Indiv	✓	✓
heaaff4	Condition/illness affects: Learning/concentration	Indiv	✓	✓
heaaff5	Condition/illness affects: Mental health	Indiv	✓	✓
heaaff6	Condition/illness affects: Stamina/breathing difficulties	Indiv	✓	✓
heaaff7	Condition/illness affects: Social/behaviour	Indiv	✓	✓
heaaff8	Condition/illness affects: Other impairment	Indiv	✓	✓
heaaff9	Condition/illness affects: None of these	Indiv	✓	✓
conred	Whether condition/illness reduces day-to-day activities	Indiv	✓	✓
timeaff	Length of time day-to-day activities have been affected	Indiv	✓	✓
limshop	Ability to shop limited or prevented due to illness	Indiv	✓	✓
limshph1	Limited/prevented from shopping: Difficulties with walking	Indiv	✓	✓
limshph2	Limited/prevented from shopping: Problems with sight	Indiv	✓	✓
limshph3	Limited/prevented from shopping: Cannot carry (heavy) shopping	Indiv	✓	✓

limshph4	Limited/prevented from shopping: Gets tired easily	Indiv	✓	✓
limshph5	Limited/prevented from shopping: Other difficulties	Indiv	✓	✓
limprep	Ability to prepare food limited or prevented due to illness	Indiv	✓	✓
limprph1	Limited/prevented from preparing food: Difficulties with hands (e.g. chopping, peeling, lifting)	Indiv	✓	✓
limprph2	Limited/prevented from preparing food: Difficulties with walking	Indiv	✓	✓
limprph3	Limited/prevented from preparing food: Difficulties with standing	Indiv	✓	✓
limprph4	Limited/prevented from preparing food: Problems with sight	Indiv	✓	✓
limprph5	Limited/prevented from preparing food: Chronic ill-health (e.g. MS, depression)	Indiv	✓	✓
limprph6	Limited/prevented from preparing food: Gets tired easily	Indiv	✓	✓
limprph7	Limited/prevented from preparing food: Other difficulties	Indiv	✓	✓

Mental Health				
Variable	**Description**	**Source**	**Year 7**	**Year 8**
satlife	How satisfied are you with your life nowadays?	Indiv	✓	✓
lifwor	To what extent do you feel that the things you do in your life are worthwhile?	Indiv	✓	✓
hapyes	How happy did you feel yesterday?	Indiv	✓	✓
anxyes	How anxious did you feel yesterday?	Indiv	✓	✓

Prescribed medicines: General				
Variable	**Description**	**Source**	**Year 7**	**Year 8**
MEDCNJD	Whether taking prescribed medicines	Nurse	✓	✓
STATINS	Taking statins without a prescription	Nurse	✓	✓
STATINA	Have you taken/used any statins in the last 7 days?	Nurse	✓	✓
MEDBIA	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA2	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA3	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA4	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA5	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA6	Whether medicine taken/used in last 7 days	Nurse	✓	✓

MEDBIA7	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA8	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA9	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA10	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA11	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA12	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA13	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA14	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA15	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA16	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA17	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA18	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA19	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA20	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA21	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBIA22	Whether medicine taken/used in last 7 days	Nurse	✓	✓
MEDBI01	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI02	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI03	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI04	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI05	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI06	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI07	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI08	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI09	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI10	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI11	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI12	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI13	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI14	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI15	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI16	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI17	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI18	Code for medicine prescribed by doctor	Nurse	✓	✓

MEDBI19	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI20	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI21	Code for medicine prescribed by doctor	Nurse	✓	✓
MEDBI22	Code for medicine prescribed by doctor	Nurse	✓	✓
NUMMEDS	Number of medicines	Nurse	✓	✓

Prescribed medicines: Drugs affecting blood analytes

Variable	Description	Source	Year 7	Year 8
DIUR2	(D) Diuretics prescribed (Blood pressure) {revised}	Derived	✓	✓
BETA2	(D) Beta blockers prescribed (Blood pressure/Fibrinogen) {revised}	Derived	✓	✓
ACEINH2	(D) Ace inhibitors prescribed (Blood pressure) {revised}	Derived	✓	✓
CALCIUMB2	(D) Calcium blockers prescribed (Blood pressure) {revised}	Derived	✓	✓
OBPDRUG2	(D) Other prescribed drugs affecting BP {revised}	Derived	✓	✓
LIPID2	(D) Lipid lowering (Cholesterol/Fibrinogen) prescribed {revised}	Derived	✓	✓
IRON2	(D) Iron deficiency (Haemoglobin/Ferritin) prescribed {revised}	Derived	✓	✓
BPMEDC2	(D) Whether taking drugs affecting blood pressure {revised}	Derived	✓	✓
BPMEDD2	(D) Diuretics prescribed (Blood pressure) {revised}	Derived	✓	✓
antiplam2	(D) Antiplatlets prescribed (binary)	Derived	✓	✓
analgm2	(D) Analgesics prescribed (binary)	Derived	✓	✓
protonm2	(D) Proton pump inhibitors prescribed (binary)	Derived	✓	✓
antidepm2	(D) Antidepressants prescribed (binary)	Derived	✓	✓
copdm2	(D) Asthma or COPD prescribed (binary)	Derived	✓	✓
antidiabm2	(D) Antidiabetic prescribed (binary)	Derived	✓	✓
antibacm2	(D) Antibacterial medications prescribed (binary)	Derived	✓	✓
antiplam2	(D) Antiplatlets prescribed (binary)	Derived	✓	✓

Prescribed medicines: Reasons for taking medicines

Variable	Description	Source	Year 7	Year 8
YTAKE11	Take drug because of heart problem	Nurse	✓	✓
YTAKE12	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE13	Take drug because of other reason	Nurse	✓	✓
YTAKE14	Take drug because of heart problem	Nurse	✓	✓

YTAKE15	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE16	Take drug because of other reason	Nurse	✓	✓
YTAKE17	Take drug because of heart problem	Nurse	✓	✓
YTAKE18	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE19	Take drug because of other reason	Nurse	✓	✓
YTAKE20	Take drug because of heart problem	Nurse	✓	✓
YTAKE21	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE22	Take drug because of other reason	Nurse	✓	✓
YTAKE23	Take drug because of heart problem	Nurse	✓	✓
YTAKE24	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE25	Take drug because of other reason	Nurse	✓	✓
YTAKE26	Take drug because of heart problem	Nurse	✓	✓
YTAKE27	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE28	Take drug because of other reason	Nurse	✓	✓
YTAKE29	Take drug because of heart problem	Nurse	✓	✓
YTAKE30	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE31	Take drug because of other reason	Nurse	✓	✓
YTAKE32	Take drug because of heart problem	Nurse	✓	✓
YTAKE33	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE34	Take drug because of other reason	Nurse	✓	✓
YTAKE35	Take drug because of heart problem	Nurse	✓	✓
YTAKE36	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE37	Take drug because of other reason	Nurse	✓	✓
YTAKE38	Take drug because of heart problem	Nurse	✓	✓
YTAKE39	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE40	Take drug because of other reason	Nurse	✓	✓
YTAKE41	Take drug because of heart problem	Nurse	✓	✓
YTAKE42	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE43	Take drug because of other reason	Nurse	✓	✓
YTAKE44	Take drug because of heart problem	Nurse	✓	✓
YTAKE45	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE46	Take drug because of other reason	Nurse	✓	✓
YTAKE47	Take drug because of heart problem	Nurse	✓	✓
YTAKE48	Take drug because of high blood pressure	Nurse	✓	✓

Variable	Description	Source	Year 7	Year 8
YTAKE49	Take drug because of other reason	Nurse	✓	✓
YTAKE50	Take drug because of heart problem	Nurse	✓	✓
YTAKE51	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE52	Take drug because of other reason	Nurse	✓	✓
YTAKE53	Take drug because of heart problem	Nurse	✓	✓
YTAKE54	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE55	Take drug because of other reason	Nurse	✓	✓
YTAKE56	Take drug because of heart problem	Nurse	✓	✓
YTAKE57	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE58	Take drug because of other reason	Nurse	✓	✓
YTAKE59	Take drug because of heart problem	Nurse	✓	✓
YTAKE60	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE61	Take drug because of other reason	Nurse	✓	✓
YTAKE62	Take drug because of heart problem	Nurse	✓	✓
YTAKE63	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE64	Take drug because of other reason	Nurse	✓	✓
YTAKE65	Take drug because of heart problem	Nurse	✓	✓
YTAKE66	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE67	Take drug because of other reason	Nurse	✓	✓
YTAKE68	Take drug because of heart problem	Nurse	✓	✓
YTAKE69	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE70	Take drug because of other reason	Nurse	✓	✓
YTAKE71	Take drug because of heart problem	Nurse	✓	✓
YTAKE72	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE73	Take drug because of other reason	Nurse	✓	✓
YTAKE74	Take drug because of heart problem	Nurse	✓	✓
YTAKE75	Take drug because of high blood pressure	Nurse	✓	✓
YTAKE76	Take drug because of other reason	Nurse	✓	✓

Sleep time

Variable	Description	Source	Year 7	Year 8

SLPWKH	How long usually sleep on week nights - hours (adults)	Indiv	✓	✓
SLPWKM	How long usually sleep on week nights - minutes (adults)	Indiv	✓	✓
SLPWKEH	How long usually sleep on weekend nights - hours (adults)	Indiv	✓	✓
SLPWKEM	How long usually sleep on weekend nights - minutes (adults)	Indiv	✓	✓

ORAL HEALTH

Oral health

Variable	Description	Source	Year 7	Year 8
ANYOWN	Any of own teeth	Indiv	✓	✓
DENTUSE	Whether uses a denture	Indiv	✓	✓
CHEW	How well able to chew food	Indiv	✓	✓
diffeat1	Difficulty eating: Sliced bread	Indiv	✓	✓
diffeat2	Difficulty eating: Crusty bread	Indiv	✓	✓
diffeat3	Difficulty eating: Cheese	Indiv	✓	✓
diffeat4	Difficulty eating: Tomatoes	Indiv	✓	✓
diffeat5	Difficulty eating: Raw carrots	Indiv	✓	✓
diffeat6	Difficulty eating: Cooked green vegetables	Indiv	✓	✓
diffeat7	Difficulty eating: Lettuce	Indiv	✓	✓
diffeat8	Difficulty eating: Sliced cooked meats	Indiv	✓	✓
diffeat9	Difficulty eating: Well-cooked steaks	Indiv	✓	✓
diffea10	Difficulty eating: Apples	Indiv	✓	✓
diffea11	Difficulty eating: Oranges	Indiv	✓	✓
diffea12	Difficulty eating: Nuts	Indiv	✓	✓
diffea13	Difficulty eating: None of these	Indiv	✓	✓
eatfood	Can you only eat soft or mashed foods or can you eat other foods as well?	Indiv	✓	✓

SMOKING

Adult general

Variable	Description	Source	Year 7	Year 8
SMKEVR	Whether ever smoked cigarette/cigar/pipe (c+sc)	Indiv/SC YP	✓	✓
CIGEVR	Whether ever smoked cigarettes (c+sc)	Indiv/SC YP	✓	✓
CIGAG	Age first smoke (c+sc)	Indiv/SC YP	✓	✓
CIGNOW	Whether smoke cigarettes nowadays (c+sc)	Indiv/SC YP	✓	✓
CIGREGU	How frequently used to smoke (c+sc)	Indiv/SC YP	✓	✓
CIGSTA3	(D) Cigarette smoking status: current/ex-reg/never-reg	Derived	✓	✓
CIGST2	(D) Cigarette smoking status – banded current smokers	Derived	✓	✓

Adult current smokers

Variable	Description	Source	Year 7	
CGWDAY	Number cigarettes smoke on weekday (c+sc)	Indiv/SC YP	✓	✓
CGWEND	Number cigarettes smoke on weekend day (c+sc)	Indiv/SC YP	✓	✓
CIGTYP	Type of cigarette smoked (c+sc)	Indiv/SC YP	✓	✓
CIGDYAL	(D) Number of cigarettes smoke a day – inc. non-smokers	Derived	✓	✓

Adult ex-smokers

Variable	Description	Source	Year 7	Year 8
CGUSED	Number cigarettes used to smoke in a day (c+sc)	Indiv/SC YP	✓	✓
CIGSTO	How long ago stopped smoking (c+sc)	Indiv/SC YP	✓	✓

Children 8-15

Variable	Description	Source	Year 7	Year 8
KCIGEVR	Whether ever smoked cigarettes (8-15s)	SC 8-15	✓	✓
KCIGAGE	Age first smoked a cigarette (8-15s)	SC 8-15	✓	✓
KCIGREG	Frequency and amount smoked (8-15s)	SC 8-15	✓	✓
KCIGWEEK	Whether smoked in previous week (8-15s)	SC 8-15	✓	✓
KCIGNUM	Number of cigarettes smoked last week (8-15s)	SC 8-15	✓	✓
KCIGREGG	(D) Frequency of cigarette smoking (8-15s) (grouped)	Derived	✓	✓

DRINKING

Adults general

Variable	Description	Source	Year 7	Year 8
DNNOW	Whether drink nowadays	Indiv/SC YP	✔	✔
DNANY	Whether drinks occasionally or never drinks	Indiv/SC YP	✔	✔
DNEVR	Whether always non-drinker	Indiv/SC YP	✔	✔
DNAGE	Age first had alcohol	Indiv/SC YP	✔	✔
DNOFT	Frequency drank any alcoholic drink last 12 mths	Indiv/SC YP	✔	✔
DRAMOUNT	How much drink compared to 5 years ago	Indiv	✔	✔
DNOFT3	(D) Frequency drink alcohol in past 12 months: including non-drinkers	Derived	✔	✔

Adults 7 days

Variable	Description	Source	Year 7	Year 8
D7DAY	Whether had drink in last 7 days	Indiv/SC YP	✔	✔
D7MANY	How many days in last 7 had a drink	Indiv/SC YP	✔	✔
DRNKSAME	Drink more on one+ days/same each day	Indiv	✔	✔
WHICHDAY	Which day drank last/most in last 7 days	Indiv	✔	✔
D7TYP1	Heaviest day: Normal Beer	Indiv/SC YP	✔	✔
D7TYP2	Heaviest day: Strong Beer	Indiv/SC YP	✔	✔
D7TYP3	Heaviest day: Spirits	Indiv/SC YP	✔	✔
D7TYP4	Heaviest day: Sherry	Indiv/SC YP	✔	✔
D7TYP5	Heaviest day: Wine	Indiv/SC YP	✔	✔
D7TYP6	Heaviest day: Alcopops	Indiv/SC YP	✔	✔
NBRL71	Heaviest day normal beer: Half pints	Indiv	✔	✔
NBRL72	Heaviest day normal beer: Small cans	Indiv	✔	✔
NBRL73	Heaviest day normal beer: Large cans	Indiv	✔	✔
NBRL74	Heaviest day normal beer: Bottles	Indiv	✔	✔
NBERQPT7	Amount normal beer (pints) on heaviest day	SC YP	✔	✔
NBERQHP7	Amount normal beer (half pints) on heaviest day	Indiv	✔	✔
NBERQSM7	Amount normal beer (small cans/bottles) on heaviest day	Indiv/SC YP	✔	✔

NBERQLG7	Amount normal beer (large cans/bottles) on heaviest day	Indiv/SC YP	✓	✓
NBERQBT7	Amount normal beer (bottles) on heaviest day	Indiv	✓	✓
L7NCODEQ	Normal beer bottle size (pints) on heaviest day	Indiv	✓	✓
SBRL71	Heaviest day strong beer: Half pints	Indiv	✓	✓
SBRL72	Heaviest day strong beer: Small cans	Indiv	✓	✓
SBRL73	Heaviest day strong beer: Large cans	Indiv	✓	✓
SBRL74	Heaviest day strong beer: Bottles	Indiv	✓	✓
SBERQPT7	Amount strong beer (pints) on heaviest day	SC YP	✓	✓
SBERQHP7	Amount strong beer (half pints) on heaviest day	Indiv	✓	✓
SBERQSM7	Amount strong beer (small cans/bottles) on heaviest day	Indiv/SC YP	✓	✓
SBERQLG7	Amount strong beer (large cans/bottles) on heaviest day	Indiv/SC YP	✓	✓
SBERQBT7	Amount strong beer (bottles) on heaviest day	Indiv	✓	✓
L7SCODEQ	Strong beer bottle size (pints) on heaviest day	Indiv	✓	✓
SPIRQME7	Amount spirits (measures) on heaviest day	Indiv/SC YP	✓	✓
SHERQGS7	Amount sherry (glasses) on heaviest day	Indiv/SC YP	✓	✓
WGLS250ML	Amount wine (250ml glasses) on heaviest day	Indiv/SC YP	✓	✓
WGLS175ML	Amount wine (175ml glasses) on heaviest day	Indiv/SC YP	✓	✓
WGLS125ML	Amount wine (125ml glasses) on heaviest day	Indiv/SC YP	✓	✓
WBTLGZ	Amount 125ml glasses from a bottle on heaviest day	Indiv/SC YP	✓	✓
POPSQSM7	Amount alcopops (small cans/bottles) on heaviest day	Indiv/SC YP	✓	✓
D7MANY3	(D) Number of days drank in last week, including none	Derived	✓	✓
D7UNITWG	(D) Units drunk on heaviest day in last 7	Derived	✓	✓
D7UNITWGRP	(D) Units drunk on heaviest day in last 7 (grouped)	Derived	✓	✓
WDRINK07B	(D) Women number of units drunk on heaviest day in last 7	Derived	✓	✓
MDRINK07B	(D) Men number of units drunk on heaviest day in last 7	Derived	✓	✓
ALCLIMIT07B	(D) Alcohol units – limits based on (variable d7unitwgrp) units per day	Derived	✓	✓

Children 8-15

Variable	Description	Source	Year 7	Year 8
ADRPROP	Ever had proper alcoholic drink (aged 8-15)	SC 8-15	✓	✓
ADRPOPS	Ever had alcopops (aged 8-15)	SC 8-15	✓	✓
ADRINKAG	Age first alcoholic drink (aged 8-15)	SC 8-15	✓	✓
ADRINKOF	How often alcoholic drink (aged 8-15)	SC 8-15	✓	✓
ADRLAST	When last had alcoholic drink (aged 8-15)	SC 8-15	✓	✓
AEVDRINK	(D) Ever had proper alcoholic drink, including alcopops (aged 8-15)	Derived	✓	✓
ADRFREQ	(D) Frequency of drinking alcohol, including non-drinkers (aged 8-15)	Derived	✓	✓
ADFREWK	(D) Frequency of drinking, 5 cats (aged 8-15)	Derived	✓	✓

Children 13-15

Variable	Description	Source	Year 7	Year 8
ABER2W	Have drunk beer in last 7 days	SC 13-15	✓	✓
ABER2QPT	Pints beer drunk in last 7 days	SC 13-15	✓	✓
ABER2QLC	Large cans/bottles of beer drunk in last 7 days	SC 13-15	✓	✓
ABER2QSM	Small cans/bottles of beer drunk in last 7 days	SC 13-15	✓	✓
ASPIRW	Have drunk spirits or liqueurs in last 7 days	SC 13-15	✓	✓
ASPIRQGS	Glasses of spirits/liqueurs drunk in last 7 days	SC 13-15	✓	✓
ASHERW	Have drunk sherry or martini in last 7 days	SC 13-15	✓	✓
ASHERQGS	Glasses of sherry/martini drunk in last 7 days	SC 13-15	✓	✓
AWINEW	Have drunk wine in last 7 days	SC 13-15	✓	✓
AWINEQGS	Glasses of wine drunk in last 7 days	SC 13-15	✓	✓
APOPSW	Have drunk alcopops in last 7 days	SC 13-15	✓	✓
APOPSQLC	Large cans/bottles of alcopop drunk in last 7 days	SC 13-15	✓	✓
APOPSQSM	Small cans/bottles of alcopop drunk in last 7 days	SC 13-15	✓	✓

ANTHROPOMETRIC MEASUREMENTS

Demispan admin

Variable	Description	Source	Year 7	Year 8
SPANINT	Consent to demispan measurement	Nurse	✓	✓
MEASDS	(D) Demispan measured	Derived	✓	✓
SPANOK	(D) Whether demi span measurements are valid	Derived	✓	✓
SPANOK1	(D) Valid demispan grouped	Derived	✓	✓
SPANREL	Reliability of 1st demispan measurement	Nurse	✓	✓
SPANREL2	Reliability of 2nd demispan measurement	Nurse	✓	✓
SPANREL3	Reliability of 3rd demispan measurement	Nurse	✓	✓
YNOSPAN	Reason no demispan measurement taken	Nurse	✓	✓
RESPDS	Response to demispan measurement	Nurse	✓	✓
NOTATTM1	No demispan: Cannot straighten arms	Nurse	✓	✓
NOTATTM2	No demispan: Respondent confined to bed	Nurse	✓	✓
NOTATTM3	No demispan: Respondent too stooped	Nurse	✓	✓
NOTATTM4	No demispan: Respondent did not understand procedure	Nurse	✓	✓
NOTATTM5	No demispan: Other reason	Nurse	✓	✓
SPNM1	Demispan measurement standing against the wall	Nurse	✓	✓
SPNM2	Demispan measurement standing not against the wall	Nurse	✓	✓
SPNM3	Demispan measurement sitting	Nurse	✓	✓
SPNM4	Demispan measurement lying down	Nurse	✓	✓
SPNM5	Demispan measurement on left arm due to unsuitable right arm	Nurse	✓	✓

Height/weight/infant length admin

Variable	Description	Source	Year 7	Year 8
LGTHINT	Response to infant length measurement	Nurse	✓	✓
MEASINL	(D) Infant length measured	Derived	✓	✓
LTOK	(D) Whether infant length measure is valid	Derived	✓	✓

LGTHREL	Reliability of infant length measurement	Nurse	✓	✓
YNOLGTH	Why infant length unreliable	Nurse	✓	✓
NOATTL	Reason for refusal to infant length measurement	Nurse	✓	✓
MEASHEIG	(D) Height measured	Derived	✓	✓
HTOK	(D) Whether height measure is valid	Derived	✓	✓
PREGNOWB	Whether pregnant or breastfeeding at present	Indiv	✓	✓
RESPHTS	Response to height measurement	Indiv	✓	✓
RELHITE	Reliability of height measurement	Indiv	✓	✓
HINREL	Reason for unreliable height measurement	Indiv	✓	✓
RESNHI	Refusal of height measurement	Indiv	✓	✓
NOHTBC1	No height: Child away from home during fieldwork period	Indiv	✓	✓
NOHTBC2	No height: Respondent unsteady on feet	Indiv	✓	✓
NOHTBC3	No height: Respondent cannot stand upright/too stooped	Indiv	✓	✓
NOHTBC4	No height: Respondent is chairbound	Indiv	✓	✓
NOHTBC5	No height: Respondent confined to bed	Indiv	✓	✓
NOHTBC6	No height: Respondent unable to remove shoes	Indiv	✓	✓
NOHTBC7	No height: Child would not stand still	Indiv	✓	✓
NOHTBC8	No height: Respondent ill or in pain	Indiv	✓	✓
NOHTBC9	No height: Stadiometer faulty or not available	Indiv	✓	✓
NOHTBC10	No height: Child asleep	Indiv	✓	✓
NOHTBC11	No height: Other reason	Indiv	✓	✓
MEASWEIG	(D) Weight measured	Derived	✓	✓
WTOK	(D) Whether weight measure is valid	Derived	✓	✓
RESPWTS	Response to weight measurement	Indiv	✓	✓
FLOORC1	Scales placed on uneven floor	Indiv	✓	✓
FLOORC2	Scales placed on carpet	Indiv	✓	✓
FLOORC3	Scales placed neither on uneven floor nor carpet	Indiv	✓	✓
RELWAITB	Reliability of weight measurement	Indiv	✓	✓
RESNWT	Refusal of weight measurement	Indiv	✓	✓
NOWTBC1	No weight: Child away from home during fieldwork period	Indiv	✓	✓
NOWTBC2	No weight: Respondent unsteady on feet	Indiv	✓	✓
NOWTBC3	No weight: Respondent cannot stand upright	Indiv	✓	✓
NOWTBC4	No weight: Respondent is chairbound	Indiv	✓	✓
NOWTBC5	No weight: Respondent confined to bed	Indiv	✓	✓

Variable	Description	Source	Year 7	Year 8
NOWTBC6	No weight: Respondent unable to remove shoes	Indiv	✓	✓
NOWTBC7y6	No weight: Respondent weighs more than 250kg	Indiv	✓	✓
NOWTBC8	No weight: Respondent ill or in pain	Indiv	✓	✓
NOWTBC9	No weight: Scales faulty or not available	Indiv	✓	✓
NOWTBC10	No weight: Parent unable to hold child	Indiv	✓	✓
NOWTBC11	No weight: Child asleep	Indiv	✓	✓
NOWTBC12	No weight: Other reason	Indiv	✓	✓
BMIOK	(D) Whether bmi measure is valid	Derived	✓	✓

Waist/hip admin

Variable	Description	Source	Year 7	Year 8
WHINTRO	Consent to waist/hip measurement	Nurse	✓	✓
MEASWH	(D) Waist/Hip measured	Derived	✓	✓
WSTOKB	(D) Whether waist measurements are valid	Derived	✓	✓
HIPOKB	(D) Whether hip measurements are valid	Derived	✓	✓
WHOKB	(D) Whether waist/hip measure is valid	Derived	✓	✓
MEASWC	(D) Waist circumference measured	Derived	✓	✓
RESPWH	Response to waist/hip measurement	Nurse	✓	✓
YNOWH	Reason why no waist/hip measurement	Nurse	✓	✓
WHPNABM1	No waist/hip: Respondent is chair bound	Nurse	✓	✓
WHPNABM2	No waist/hip: Respondent is confined to bed	Nurse	✓	✓
WHPNABM3	No waist/hip: Respondent is too stooped	Nurse	✓	✓
WHPNABM4	No waist/hip: Respondent did not understand the procedure	Nurse	✓	✓
WHPNABM5	No waist/hip: Other reason	Nurse	✓	✓
WJREL	Whether problems with waist measurement	Nurse	✓	✓
PROBWJ	Problems likely to increase/decrease waist measurement	Nurse	✓	✓
HJREL	Whether problems with hip measurement	Nurse	✓	✓
PROBHJ	Problems likely to increase/decrease hip measurement	Nurse	✓	✓

Measurements

Variable	Description	Source	Year 7	Year 8
LENGTH	Infant length (cm) – incl unreliable measurements	Nurse	✓	✓
LGTHVAL	(D) Valid infant length measurement (cm)	Derived	✓	✓

HEIGHT	Height (cm) – incl unreliable measurements	Indiv		✓	✓
HTVAL	(D) Valid height measurement(cm)	Derived		✓	✓
WEIGHT	Weight (kg) – incl unreliable measurements	Indiv		✓	✓
WTVAL	(D) Valid weight measurement(Kg)	Derived		✓	✓
bmi	(D) BMI - inc unreliable measurements				
BMIVAL	(D) Valid BMI	Derived		✓	✓
BMIVG5	(D) Adults valid BMI grouped (<18.5,18.5-25,25-30,30-40 40+)	Derived		✓	✓
BMIWHO	(D) WHO 2007 BMI standards children aged 2-3 (85th/95th centile)	Derived		✓	✓
BMICAT418	(D) Age 4y-18.9y Children's BMI standards (85th/95th centile) using UK90	Derived		✓	✓
BMICAT218	(D) Age 2y-18.9y BMI WHO(85th/95th centile) for 2-3.11 UK90 for 4-18y	Derived		✓	✓
SPAN	Demispan 1st measurement (cm)	Nurse		✓	✓
SPAN2	Demispan 2nd measurement (cm)	Nurse		✓	✓
SPAN3	Demispan 3rd measurement (cm)	Nurse		✓	✓
SPANVAL	(D) Valid Mean span (cm)	Derived		✓	✓
SPANHT	(D) Height equivalent of demi span	Derived		✓	✓
WAIST	Waist 1st measurement (cm)	Nurse		✓	✓
WAIST2	Waist 2nd measurement (cm)	Nurse		✓	✓
WAIST3	Waist 3rd measurement (cm)	Nurse		✓	✓
HIP	Hip 1st measurement (cm)	Nurse		✓	✓
HIP2	Hip 2nd measurement (cm)	Nurse		✓	✓
HIP3	Hip 3rd measurement (cm)	Nurse		✓	✓
WSTVAL	(D) Valid Mean Waist (cm)	Derived		✓	✓
HIPVAL	(D) Valid Mean Hip (cm)	Derived		✓	✓
WHVAL	(D) Valid Mean Waist/Hip ratio	Derived		✓	✓
MENWHGP	(D) Male waist hip ratio groups – 16+	Derived		✓	✓
MENWHHI	(D) Male high waist hip ratio – 16+ (>=0.95)	Derived		✓	✓
WOMWHGP	(D) Female waist hip ratio groups – 16+	Derived		✓	✓
WOMWHHI	(D) Female high waist hip ratio – 16+ (>=0.85)	Derived		✓	✓
MENWHGP2	(D) Male waist hip ratio groups – 16+	Derived		✓	✓
MENWHHI2	(D) Male high waist hip ratio – 16+ (>0.95)	Derived		✓	✓
WOMWHGP2	(D) Female waist hip ratio groups – 16+	Derived		✓	✓

WOMWHHI2	(D) Female high waist hip ratio – 16+ (>0.85)	Derived	✓	✓
MWSTHI	(D) Male high waist circumference (>102cm)	Derived	✓	✓
FWSTHI	(D) Female high waist circumference (>88cm)	Derived	✓	✓

RPAQ (Recent physical activity questionnaire)

Home activities

Variable	Description	Source	Year 7	Year 8
GETTINGABOUT	Form of transport used most often in last 4 weeks (excl to/from work)	SC 16+	✓	✓
MEDIAWEEKDAYPRE6PM	TV, DVD or video viewing on a weekday before 6pm	SC 16+	✓	✓
MEDIAWEEKDAYPOST6PM	TV, DVD or video viewing on a weekday after 6pm	SC 16+	✓	✓
MEDIAWEEKENDPRE6PM	TV, DVD or video viewing on a weekend day before 6pm	SC 16+	✓	✓
MEDIAWEEKENDPOST6PM	TV, DVD or video viewing on a weekend day after 6pm	SC 16+	✓	✓
COMPUTERWEEKDAYPRE6PM	Computer use at home on a weekday before 6pm	SC 16+	✓	✓
COMPUTERWEEKDAYPOST6PM	Computer use at home on a weekday after 6pm	SC 16+	✓	✓
COMPUTERWEEKENDPRE6PM	Computer use at home on a weekend day before 6pm	SC 16+	✓	✓
COMPUTERWEEKENDPOST6PM	Computer use at home on a weekend day after 6pm	SC 16+	✓	✓
STAIRWEEKDAY	Stair climbing at home on a weekday	SC 16+	✓	✓
STAIRWEEKEND	Stair climbing at home on a weekend day	SC 16+	✓	✓

Activity at work/school/college

Variable	Description	Source	Year 7	Year 8
PAIDEMPLOYMENT	Been in employment in last 4 weeks	SC 16+	✓	✓
WORK1WKAGO	Hours worked: in last week	SC 16+	✓	✓
WORK2WKAGO	Hours worked: 2 weeks ago	SC 16+	✓	✓
WORK3WKAGO	Hours worked: 3 weeks ago	SC 16+	✓	✓
WORK4WKAGO	Hours worked: 4 weeks ago	SC 16+	✓	✓
WORKTYPE	Type of work	SC 16+	✓	✓

Travel to work/school/college

Variable	Description	Source	Year 7	Year 8
WRKMILES	Distance from home to work (miles)	SC 16+	✓	✓
WRKKMS	Distance from home to work (km)	SC 16+	✓	✓
WRKTIMESPERWEEK	Number of times travel to work (outward only)	SC 16+	✓	✓

Variable	Description	Source	Year 7	Year 8
WRKBYCAR	Normally travel to work by car	SC 16+	✓	✓
WRKBYPUBTRAN	Normally travel to work by works or public transport	SC 16+	✓	✓
WRKBYBIKE	Normally travel to work by bicycle	SC 16+	✓	✓
WRKBYFOOT	Normally travel to work walking	SC 16+	✓	✓

Leisure activities

Variable	Description	Source	Year 7	Year 8
SWIMCOMP	Swimming competitive - number of times in last 4 weeks	SC 16+	✓	✓
SWIMCOMPHR	Swimming competitive - average time (hours)	SC 16+	✓	✓
SWIMCOMPMIN	Swimming competitive - average time (minutes)	SC 16+	✓	✓
SWIMLEIS	(D) Swimming leisurely (indoor & outdoor) - number of times in last 4 weeks	Derived	✓	✓
SWIMLEISHR	(D) Swimming leisurely (indoor & outdoor) - average time (hours)	Derived	✓	✓
SWIMLEISMIN	(D) Swimming leisurely (indoor & outdoor) - average time (minutes)	Derived	✓	✓
SWIMINNO	Swimming leisurely indoor - number of times in last 4 weeks	SC 16+	✓	✓
SWIMINTH	Swimming leisurely indoor - average time (hours)	SC 16+	✓	✓
SWIMINTM	Swimming leisurely indoor - average time (minutes)	SC 16+	✓	✓
SWIMOTNO	Swimming leisurely outdoor - number of times in last 4 weeks	SC 16+	✓	✓
SWIMOTTH	Swimming leisurely outdoor - average time (hours)	SC 16+	✓	✓
SWIMOTTM	Swimming leisurely outdoor - average time (minutes)	SC 16+	✓	✓
BACKPACKMOUNTAINCLIMB	Backpacking or mountain climbing - number of times in last 4 weeks	SC 16+	✓	✓
BACKPACKMOUNTAINCLIMBHR	Backpacking or mountain climbing - average time (hours)	SC 16+	✓	✓
BACKPACKMOUNTAINCLIMBMIN	Backpacking or mountain climbing - average time (minutes)	SC 16+	✓	✓
WALKPLEASURE	Walking for pleasure - number of times in last 4 weeks	SC 16+	✓	✓
WALKPLEASUREHR	Walking for pleasure - average time (hours)	SC 16+	✓	✓
WALKPLEASUREMIN	Walking for pleasure - average time (minutes)	SC 16+	✓	✓
CYCLINGRACINGROUGH	Racing or rough terrain cycling - number of times in last 4 weeks	SC 16+	✓	✓
CYCLINGRACINGROUGHHR	Racing or rough terrain cycling - average time (hours)	SC 16+	✓	✓

CYCLINGRACINGROUGHMIN	Racing or rough terrain cycling - average time (minutes)	SC 16+	✓	✓
CYCLEPLEASURE	Cycling for pleasure - number of times in last 4 weeks	SC 16+	✓	✓
CYCLEPLEASUREHR	Cycling for pleasure - average time (hours)	SC 16+	✓	✓
CYCLEPLEASUREMIN	Cycling for pleasure - average time (minutes)	SC 16+	✓	✓
MOWING	Mowing the lawn - number of times in last 4 weeks	SC 16+	✓	✓
MOWINGHR	Mowing the lawn - average time (hours)	SC 16+	✓	✓
MOWINGMIN	Mowing the lawn - average time (minutes)	SC 16+	✓	✓
WATERLAWN	Watering lawn or garden - number of times in last 4 weeks	SC 16+	✓	✓
WATERLAWNHR	Watering lawn or garden - average time (hours)	SC 16+	✓	✓
WATERLAWNMIN	Watering lawn or garden - average time (minutes)	SC 16+	✓	✓
HEAVYGARDENING	Digging, shovelling, chopping wood - number of times in last 4 weeks	SC 16+	✓	✓
HEAVYGARDENINGHR	Digging, shovelling, chopping wood - average time (hrs)	SC 16+	✓	✓
HEAVYGARDENINGMIN	Digging, shovelling, chopping wood - average time (mins)	SC 16+	✓	✓
WEEDPRUNE	Weeding, pruning - number of times in last 4 weeks	SC 16+	✓	✓
WEEDPRUNEHR	Weeding, pruning - average time (hours)	SC 16+	✓	✓
WEEDPRUNEMIN	Weeding, pruning - average time (minutes)	SC 16+	✓	✓
DIY	DIY - number of times in last 4 weeks	SC 16+	✓	✓
DIYHR	DIY - average time (hours)	SC 16+	✓	✓
DIYMIN	DIY - average time (minutes)	SC 16+	✓	✓
AEROBICSHIGH	High impact aerobics or step aerobics - number of times in last 4 weeks	SC 16+	✓	✓
AEROBICSHIGHHR	High impact aerobics or step aerobics -average time (hrs)	SC 16+	✓	✓
AEROBICSHIGHMIN	High impact aerobics or step aerobics-average time (mins)	SC 16+	✓	✓
AEROBICSOTHER	Other impact aerobics - number of times in last 4 weeks	SC 16+	✓	✓
AEROBICSOTHERHR	Other impact aerobics - average time (hours)	SC 16+	✓	✓
AEROBICSOTHERMIN	Other impact aerobics - average time (minutes)	SC 16+	✓	✓
EXERCISEWEIGHTS	Exercise with weights - number of times in last 4 weeks	SC 16+	✓	✓
EXERCISEWEIGHTSHR	Exercise with weights - average time (hours)	SC 16+	✓	✓
EXERCISEWEIGHTSMIN	Exercise with weights - average time (minutes)	SC 16+	✓	✓
CONDITIONEXERCISE	Conditioning exercises e.g.bike/rowing machine - number of times in last 4 weeks	SC 16+	✓	✓

CONDITIONEXERCISEHR	Conditioning exercises e.g.bike/rowing machine - average time (hours)	SC 16+	✓	✓
CONDITIONEXERCISEMIN	Conditioning exercises e.g.bike/rowing machine - average time (minutes)	SC 16+	✓	✓
FLOOREXERCISE	Floor exercises e.g.stretching/yoga - number of times in last 4 weeks	SC 16+	✓	✓
FLOOREXERCISEHR	Floor exercises e.g.stretching/yoga - average time (hours)	SC 16+	✓	✓
FLOOREXERCISEMIN	Floor exercises e.g.stretching/yoga - average time (minutes)	SC 16+	✓	✓
DANCING	Dancing - number of times in last 4 weeks	SC 16+	✓	✓
DANCINGHR	Dancing - average time (hours)	SC 16+	✓	✓
DANCINGMIN	Dancing - average time (minutes)	SC 16+	✓	✓
COMPRUN	Competitive running - number of times in last 4 weeks	SC 16+	✓	✓
COMPRUNHR	Competitive running - average time (hours)	SC 16+	✓	✓
COMPRUNMIN	Competitive running - average time (minutes)	SC 16+	✓	✓
JOG	Jogging - number of times in last 4 weeks	SC 16+	✓	✓
JOGHR	Jogging - average time (hours)	SC 16+	✓	✓
JOGMIN	Jogging - average time (minutes)	SC 16+	✓	✓
BOWLING	(D) Bowling (indoor & outdoor) - number of times in last 4 weeks	Derived	✓	✓
BOWLINGHR	(D) Bowling (indoor & outdoor) - average time (hours)	Derived	✓	✓
BOWLINGMIN	(D) Bowling (indoor & outdoor) - average time (minutes)	Derived	✓	✓
BOWLINNO	Bowling indoor - number of times in last 4 weeks	SC 16+	✓	✓
BOWLINTH	Bowling indoor - average time (hours)	SC 16+	✓	✓
BOWLINTM	Bowling indoor - average time (minutes)	SC 16+	✓	✓
BOWLOTNO	Bowling outdoor - number of times in last 4 weeks	SC 16+	✓	✓
BOWLOTTH	Bowling outdoor - average time (hours)	SC 16+	✓	✓
BOWLOTTM	Bowling outdoor - average time (minutes)	SC 16+	✓	✓
TENNISBADMINTON	(D) Tennis (indoor & outdoor) and badminton - number of times in last 4 weeks	Derived	✓	✓
TENNISBADMINTONHR	(D) Tennis (indoor & outdoor) and badminton - average time (hours)	Derived	✓	✓
TENNISBADMINTONMIN	(D) Tennis (indoor & outdoor) and badminton - average time (minutes)	Derived	✓	✓
TENINNO	Tennis indoor - number of times in last 4 weeks	SC 16+	✓	✓

TENINTH	Tennis indoor - average time (hours)	SC 16+	✓	✓
TENINTM	Tennis indoor - average time (minutes)	SC 16+	✓	✓
TENOTNO	Tennis outdoor - number of times in last 4 weeks	SC 16+	✓	✓
TENOTTH	Tennis outdoor - average time (hours)	SC 16+	✓	✓
TENOTTM	Tennis outdoor - average time (minutes)	SC 16+	✓	✓
BADNO	Badminton - number of times in last 4 weeks	SC 16+	✓	✓
BADTH	Badminton - average time (hours)	SC 16+	✓	✓
BADTM	Badminton - average time (minutes)	SC 16+	✓	✓
SQUASH	Squash - number of times in last 4 weeks	SC 16+	✓	✓
SQUASHHR	Squash - average time (hours)	SC 16+	✓	✓
SQUASHMIN	Squash - average time (minutes)	SC 16+	✓	✓
TABLETENNIS	Table tennis - number of times in last 4 weeks	SC 16+	✓	✓
TABLETENNISHR	Table tennis - average time (hours)	SC 16+	✓	✓
TABLETENNISMIN	Table tennis - average time (minutes)	SC 16+	✓	✓
GOLF	Golf - number of times in last 4 weeks	SC 16+	✓	✓
GOLFHR	Golf - average time (hours)	SC 16+	✓	✓
GOLFMIN	Golf - average time (minutes)	SC 16+	✓	✓
FOOTBALLRUGBYHOCKEY	(D) Football, rugby, hockey (indoor & outdoor) - number of times in last 4 weeks	Derived	✓	✓
FOOTBALLRUGBYHOCKEYHR	(D) Football, rugby, hockey (indoor & outdoor) - average time (hours)	Derived	✓	✓
FOOTBALLRUGBYHOCKEYMIN	(D) Football, rugby, hockey (indoor & outdoor) - average time (minutes)	Derived	✓	✓
FBLLINNO	Football, rugby, hockey (indoor) - number of times in last 4 weeks	SC 16+	✓	✓
FBLLINTH	Football, rugby, hockey (indoor) - average time (hours)	SC 16+	✓	✓
FBLLINTM	Football, rugby, hockey (indoor) - average time (minutes)	SC 16+	✓	✓
FBLLOTNO	Football, rugby, hockey (outdoor) - number of times in last 4 weeks	SC 16+	✓	✓
FBLLOTTH	Football, rugby, hockey (outdoor) - average time (hours)	SC 16+	✓	✓
FBLLOTTM	Football, rugby, hockey (outdoor) - average time (minutes)	SC 16+	✓	✓
CRICKET	Cricket - number of times in last 4 weeks	SC 16+	✓	✓
CRICKETHR	Cricket - average time (hours)	SC 16+	✓	✓
CRICKETMIN	Cricket - average time (minutes)	SC 16+	✓	✓

ROWING	Rowing - number of times in last 4 weeks	SC 16+	✓	✓
ROWINGHR	Rowing - average time (hours)	SC 16+	✓	✓
ROWINGMIN	Rowing - average time (minutes)	SC 16+	✓	✓
NETVOLLEYBASKETBALL	(D) Netball, volleyball, basketball (indoor & outdoor) - number of times in last 4 weeks	Derived	✓	✓
NETVOLLEYBASKETBALLHR	(D) Netball, volleyball, basketball (indoor & outdoor) - average time (hours)	Derived	✓	✓
NETVOLLEYBASKETBALLMIN	(D) Netball, volleyball, basketball (indoor & outdoor) - average time (minutes)	Derived	✓	✓
NETBINNO	Netball, volleyball, basketball (indoor) - number of times in last 4 weeks	SC 16+	✓	✓
NETBINTH	Netball, volleyball, basketball (indoor) - average time (hours)	SC 16+	✓	✓
NETBINTM	Netball, volleyball, basketball (indoor) - average time (minutes)	SC 16+	✓	✓
NETBOTNO	Netball, volleyball, basketball (outdoor) - number of times in last 4 weeks	SC 16+	✓	✓
NETBOTTH	Netball, volleyball, basketball (outdoor) - average time (hours)	SC 16+	✓	✓
NETBOTTM	Netball, volleyball, basketball (outdoor) - average time (minutes)	SC 16+	✓	✓
HUNTINGSHOOTINGFISHING	Fishing - number of times in last 4 weeks	SC 16+	✓	✓
HUNTINGSHOOTINGFISHINGHR	Fishing - average time (hours)	SC 16+	✓	✓
HUNTINGSHOOTINGFISHINGMIN	Fishing - average time (minutes)	SC 16+	✓	✓
HORSEBASED	Horse-riding - number of times in last 4 weeks	SC 16+	✓	✓
HORSEBASEDHR	Horse-riding - average time (hours)	SC 16+	✓	✓
HORSEBASEDMIN	Horse-riding - average time (minutes)	SC 16+	✓	✓
SNOOKERBILLIARDSDARTS	Snooker, billiards, darts - number of times in last 4 weeks	SC 16+	✓	✓
SNOOKERBILLIARDSDARTSHR	Snooker, billiards, darts - average time (hours)	SC 16+	✓	✓
SNOOKERBILLIARDSDARTSMIN	Snooker, billiards, darts - average time (minutes)	SC 16+	✓	✓
MUSICALINSTRUMENTSINGING	Musical instrument playing or singing - number of times in last 4 weeks	SC 16+	✓	✓
MUSICALINSTRUMENTSINGINGHR	Musical instrument playing or singing - average time (hours)	SC 16+	✓	✓
MUSICALINSTRUMENTSINGINGMIN	Musical instrument playing or singing - average time (minutes)	SC 16+	✓	✓

Variable	Description	Type		
ICESKATING	Ice skating - number of times in last 4 weeks	SC 16+	✓	✓
ICESKATINGHR	Ice skating - average time (hours)	SC 16+	✓	✓
ICESKATINGMIN	Ice skating - average time (minutes)	SC 16+	✓	✓
SAILINGWINDSURFBOATING	Sailing, wind-surfing, boating - number of times in last 4 weeks	SC 16+	✓	✓
SAILINGWINDSURFBOATINGHR	Sailing, wind-surfing, boating - average time (hours)	SC 16+	✓	✓
SAILINGWINDSURFBOATINGMIN	Sailing, wind-surfing, boating - average time (minutes)	SC 16+	✓	✓
COMBATSPORTS	Martial arts, boxing, wrestling - number of times in last 4 weeks	SC 16+	✓	✓
COMBATSPORTSHR	Martial arts, boxing, wrestling - average time (hours)	SC 16+	✓	✓
COMBATSPORTSMIN	Martial arts, boxing, wrestling - average time (minutes)	SC 16+	✓	✓
normal	Whether activity last week was more/less than usual	SC 16+	✓	✓
involve	How involved child was in answering physical activity questions	SC 16+	✓	✓
Schd	Number of days been to school, nursery or playschool in last 7 days	SC 16+	✓	✓
wlkscwt	(D) Weekly time walking to and from school (minutes)	Derived	✓	✓
wlkscwtg	(D) Weekly time walking to and from school (grouped)	Derived	✓	✓
wlkscdt	(D) Average daily time talking to and from school (minutes)	Derived	✓	✓
walkdays	(D) Number of days walked to/from school in last week	Derived	✓	✓
walkgrp	(D) Number of days walked to/from school in last week (grouped)	Derived	✓	✓
cycscwt	(D) Weekly time cycling to and from school (minutes)	Derived	✓	✓
cycscwtg	(D) Weekly time cycling to and from school (grouped)	Derived	✓	✓
cycscdt	(D) Average daily time cycling to and from school (minutes)	Derived	✓	✓
daysbike	(D) Number of days cycled to/from school in last week	Derived	✓	✓
bikegrp	(D) Number of days cycled to/from school in last week (grouped)	Derived	✓	✓
actranwt	(D) Weekly time for active transportation to and from school (minutes)	Derived	✓	✓
actrandt	(D) Average daily time for active transportation to and from school (minutes)	Derived	✓	✓
cyctot	(D) Total time spent cycling (not to/from school) last week (mins)	Derived	✓	✓

cyctotg	(D) Time spent cycling (not to/from school) in last 7 days (grouped)	Derived	✓	✓
cycle	(D) Any cycling (not to/from school) last week	Derived	✓	✓
cycdays	(D) Number of days cycling (not to/from school) last week	Derived	✓	✓
wlktot	(D) Total time spent walking (not to/from school) last week (mins)	Derived	✓	✓
wlktotg	(D) Time spent walking (not to/from school) in last 7 days (grouped)	Derived	✓	✓
walk	(D) Any walking (not to/from school) last week?	Derived	✓	✓
wlkdays	(D) Number of days walking (not to/from school) last week	Derived	✓	✓
infwalkgrp	(D) Number of days informal walking	Derived	✓	✓
hoovtot	(D) Total time spent housework/gardening last week (mins)	Derived	✓	✓
hoovtotg	(D) Time spent doing housework in last 7 days (grouped)	Derived	✓	✓
hoov	(D) Any housework/gardening last week?	Derived	✓	✓
hoovdays	(D) Number of days housework/gardening last week	Derived	✓	✓
hoptot	(D) Total time spent hopscotching last week (mins)	Derived	✓	✓
hoptotg	(D) Time spent playing hopscotch in last 7 days (grouped)	Derived	✓	✓
hopdays	(D) Number of days playing hopscotch last week	Derived	✓	✓
tramtot	(D) Total time spent trampolining last week (mins)	Derived	✓	✓
tramtotg	(D) Time spent doing trampolining in last 7 days (grouped)	Derived	✓	✓
tramdays	(D) Number of days trampolining last week	Derived	✓	✓
playtot	(D) Total time spent playing last week (mins)	Derived	✓	✓
playtotg	(D) Time spent doing playing in last 7 days (grouped)	Derived	✓	✓
playdays	(D) Number of days playing last week	Derived	✓	✓
skatot	(D) Total time spent skating last week (mins)	Derived	✓	✓
skatotg	(D) Time spent doing skating in last 7 days (grouped)	Derived	✓	✓
sktdays	(D) Number of days skating last week	Derived	✓	✓
danctot	(D) Total time spent dancing last week (mins)?	Derived	✓	✓
danctotg	(D) Time spent doing dancing in last 7 days (grouped)	Derived	✓	✓
dancdays	(D) Number of days dancing last week	Derived	✓	✓
skptot	(D) Total time spent skipping rope last week (mins)	Derived	✓	✓
skptotg	(D) Time spent doing skipping in last 7 days (grouped)	Derived	✓	✓
skpdays	(D) Number of days skipping rope last week	Derived	✓	✓

acplay	(D) Total time spent doing active play last week (mins)	Derived	✓	✓
acplayg	(D) Time spent doing active play in last 7 days (grouped)	Derived	✓	✓
acplytot	(D) Any active play last week	Derived	✓	✓
nstdaysx	(D) Informal Activities number of days a week - excl walking	Derived	✓	✓
nstdaysxg	(D) Informal Activities number of days a week, grouped - excl walking	Derived	✓	✓
infactx	(D) Total time spent doing informal activities last week (mins) - excl walking	Derived	✓	✓
infactxg	(D) Time spent doing Informal Activities last week (grouped) - excl walking	Derived	✓	✓
infactotx	(D) Any Informal Activities last week - excl walking	Derived	✓	✓
nstdays	(D) Informal Activities number of days a week - incl walking	Derived	✓	✓
infact	(D) Total time spent doing informal activities last week (mins) incl walking	Derived	✓	✓
infactg	(D) Time spent doing informal activities last week (grouped) incl walking	Derived	✓	✓
infactot	(D) Any informal activities last week (incl walking)?	Derived	✓	✓
fblltot	(D) Total time spent playing football/rugby/hockey/lacrosse last week (mins)	Derived	✓	✓
fblltotg	(D) Time spent playing football/rugby/hockey/lacrosse last week (grouped)	Derived	✓	✓
ftdays	(D) Number of days playing football/rugby/hockey/lacrosse last week	Derived	✓	✓
nblltot	(D) Total time spent playing netball/basketball/handball last week (mins)	Derived	✓	✓
nblltotg	(D) Time spent playing netball/basketball/handball last week (grouped)	Derived	✓	✓
ntdays	(D) Number of days playing netball/basketball/handball last week	Derived	✓	✓
crkttot	(D) Total time spent playing cricket/rounders last week (mins)	Derived	✓	✓
crkttotg	(D) Time spent playing cricket/rounders last week (grouped)	Derived	✓	✓
crtdays	(D) Number of days playing cricket/rounders last week	Derived	✓	✓
runtot	(D) Total time spent running/jogging/athletics last week	Derived	✓	✓

	(mins)			
runtotg	(D) Time spent running/jogging/athletics last week (grouped)	Derived	✓	✓
rundays	(D) Number of days play running/jogging/athletics last week	Derived	✓	✓
swmltot	(D) Total time spent swimming laps last week (mins)	Derived	✓	✓
swmltotg	(D) Time spent swimming laps last week (grouped)	Derived	✓	✓
swldays	(D) Number of days swimming laps last week	Derived	✓	✓
swmstot	(D) Total time spent swimming (splashing about) last week (mins)	Derived	✓	✓
swmstotg	(D) Time spent swimming (splashing about) last week (grouped)	Derived	✓	✓
swpdays	(D) Number of days swimming (splashing about) last week	Derived	✓	✓
gymtot	(D) Total time spent doing gymnastics last week (mins)	Derived	✓	✓
gymtotg	(D) Time spent doing gymnastics last week (grouped)	Derived	✓	✓
gymdays	(D) Number of days doing gymnastics last week	Derived	✓	✓
wkouttot	(D) Total time spent working out with gym machines/weight training last week (mins)	Derived	✓	✓
wkouttotg	(D) Time spent working out with gym machines/weight training last week (grouped)	Derived	✓	✓
wktdays	(D) Number of days working out with gym machines/weight training last week	Derived	✓	✓
aertot	(D) Total time spent doing aerobics last week (mins)	Derived	✓	✓
aertotg	(D) Time spent doing aerobics last week (grouped)	Derived	✓	✓
aerdays	(D) Number of days doing aerobics last week	Derived	✓	✓
tentot	(D) Total time spent playing tennis/badminton/squash last week (mins)	Derived	✓	✓
tentotg	(D) Time spent playing tennis/badminton/squash last week (grouped)	Derived	✓	✓
tendays	(D) Number of days playing tennis/badminton/squash last week	Derived	✓	✓
tototh1wt	(D) Total Weekly first other activity Time (minutes)	Derived	✓	✓
tototh2wt	(D) Total Weekly second other activity time (minutes)	Derived	✓	✓
tototh3wt	(D) Total Weekly third other activity time (minutes)	Derived	✓	✓
tototh4wt	(D) Total Weekly fourth other activity time (minutes)	Derived	✓	✓

tototh5wt	(D) Total Weekly fifth other activity time (minutes).	Derived	✓	✓
tvtime	(D) Total time spent watching tv on weekday (mins)	Derived	✓	✓
tvtimeg	(D) Time spent watching tv on weekday (grouped)	Derived	✓	✓
sdtime	(D) Total time spent sitting down on weekday (mins)	Derived	✓	✓
sdtimeg	(D) Time spent sitting down on weekday (grouped)	Derived	✓	✓
tvwetime	(D) Total time spent watching tv on weekend day (mins)	Derived	✓	✓
tvwetimeg	(D) Time spent watching tv on weekend day (grouped)	Derived	✓	✓
sdwetime	(D) Total time spent sitting down on weekend day (mins)	Derived	✓	✓
sdwetimeg	(D) Time spent sitting down on weekend day (grouped)	Derived	✓	✓
sedwk	(D) Total sedentary time on week day (mins)	Derived	✓	✓
sedwkg	(D) Total sedentary time on week day (grouped)	Derived	✓	✓
sedwke	(D) Total sedentary time on weekend day (mins)	Derived	✓	✓
sedwkeg	(D) Total sedentary time on weekend day (grouped)	Derived	✓	✓
cycsch	(D) Any cycling (to/from school AND play) last week	Derived	✓	✓
wlksch	(D) Any walking (to/from school AND play) last week?	Derived	✓	✓
sport	(D) Total time spent doing sport last week (mins)	Derived	✓	✓
sportg	(D) Time spent doing sport last week (grouped)	Derived	✓	✓
spttot	(D) Any sport last week?	Derived	✓	✓
sprtdays	(D) Number of days played sport in last week	Derived	✓	✓
sprtdaysg	(D) Number of days played sport (grouped)	Derived	✓	✓
paany	(D) Number of days doing any Sporting and Informal Activities	Derived	✓	✓
pa60t	(D) Number of days doing any Sporting and Informal Activities 60+mins	Derived	✓	✓
pa30t	(D) Number of days doing any Sporting and Informal Activities 30-59mins	Derived	✓	✓
days	(D) Number of days all physical activities (walking, informal and formal sports)	Derived	✓	✓
daysg	(D) Number of days all physical activities (walking, informal and formal sports), grouped	Derived	✓	✓
chpa	(D) Summary: Meets child PA recommendations (5-15)	Derived	✓	✓
chpa2	(D) Summary: Meets child PA recommendations (5-15) - Meets recs/some act/low act	Derived	✓	✓
chpaa	(D) Summary: Meets child PA recommendations (2-4)	Derived	✓	✓
chpa2a	(D) Summary: Meets child PA recommendations (aged 2-	Derived	✓	✓

	4) – meets rec/some act/low act			
totalpa	(D) CH Time spent doing ALL Activities last week (minutes)	Derived	✓	✓
totalpag	(D) CH Time spent doing ALL Activities last week (grouped)	Derived	✓	✓

SUN EXPOSURE

Sun exposure at school

Variable	Description	Source	Year 7	Year 8
SCH7DY2	Whether went to school in last 7 days	Indiv	✓	✓
MBRKOY2	Whether morning break usually spent outside	Indiv	✓	✓
LBREAKO	Whether lunch break usually spent outside	Indiv	✓	✓
outs2m	In last month, time per day usually spent outdoors during daylight hours	Indiv	✓	✓
outs2s	Time per day usually spent outdoors during daylight hours in summer	Indiv	✓	✓
outs2w	Time per day usually spent outdoors during daylight hours in winter	Indiv	✓	✓

Sun exposure at work

Variable	Description	Source	Year 7	Year 8
WRKOS	Proportion of time at work spent outside	SC 16+	✓	✓
WOUTS1	Body part usually uncovered at work: Face	SC 16+	✓	✓
WOUTS2	Body part usually uncovered at work: Head	SC 16+	✓	✓
WOUTS3	Body part usually uncovered at work: Hands	SC 16+	✓	✓
WOUTS4	Body part usually uncovered at work: Arms	SC 16+	✓	✓
WOUTS5	Body part usually uncovered at work: Shoulders	SC 16+	✓	✓
WOUTS6	Body part usually uncovered at work: Legs	SC 16+	✓	✓
WOUTS7	Body part usually uncovered at work: Most upper body	SC 16+	✓	✓
WOUTS8	Body part usually uncovered at work: None listed	SC 16+	✓	✓

General

Variable	Description	Source	Year 7	Year 8
HAIR	Natural hair colour	Indiv	✓	✓
SKIN	Natural skin colour	Indiv	✓	✓
SKTYP	Type of skin	Indiv	✓	✓

Use of sun cream

Variable	Description	Source	Year 7	Year 8
suncrm	Whether protect skin from the sun in sunny weather, in both the UK and abroad	Indiv	✓	✓
sunbrn	Whether get blistering after being burned in the sun	Indiv	✓	✓
suntn	Whether actively seek a suntan	Indiv	✓	✓

Holidays

Variable	Description	Source	Year 7	Year 8
HOLI12M	Any sun holidays/trips in the past year	Indiv	✓	✓
SUNHM	Month 1st sun holiday taken	Indiv	✓	✓
LATSUN1	Latitude of 1st sun holiday	Indiv	✓	✓
SUNHM2	Month 2nd sun holiday taken	Indiv	✓	✓
LATSUN2	Latitude of 2nd sun holiday	Indiv	✓	✓
SUNHM3	Month 3rd sun holiday taken	Indiv	✓	✓
LATSUN3	Latitude of 3rd sun holiday	Indiv	✓	✓
SUNHM4	Month 4th sun holiday taken	Indiv	✓	✓
LATSUN4	Latitude of 4th sun holiday	Indiv	✓	✓
SUNHM5	Month 5th sun holiday taken	Indiv	✓	✓
LATSUN5	Latitude of 5th sun holiday	Indiv	✓	✓
SUNHM6	Month 6th sun holiday taken	Indiv	✓	✓
LATSUN6	Latitude of 6th sun holiday	Indiv	✓	✓
SUNHM7	Month 7th sun holiday taken	Indiv	✓	✓
LATSUN7	Latitude of 7th sun holiday	Indiv	✓	✓
SUNHM8	Month 8th sun holiday taken	Indiv	✓	✓
LATSUN8	Latitude of 8th sun holiday	Indiv	✓	✓
SUNHM9	Month 9th sun holiday taken	Indiv	✓	✓
LATSUN9	Latitude of 9th sun holiday	Indiv	✓	✓
SUNHM10	Month 10th sun holiday taken	Indiv	✓	✓
LATSUN10	Latitude of 10th sun holiday	Indiv	✓	✓

SUPPLEMENTS

Supplements

Variable	Description	Source	Year 7	Year 8
supyry6	Whether taken any vitamins, minerals or supplements NOT containing Vitamin D or Folic acid in past year	Indiv	✓	✓
Svitdf	Whether taken any vitamins, minerals or supplements containing Vitamin D or Folic acid in past year	Indiv	✓	✓
SFORM	What form 1st supplement taken	Indiv	✓	✓
SDOSE	Dosage of 1st supplement	Indiv	✓	✓
SFREQ	How often 1st supplement taken	Indiv	✓	✓
SPRES	Whether 1st supplement prescribed by GP or other healthcare professional	Indiv	✓	✓
FG1	Reporting food group of 1st supplement recorded	Indiv	✓	✓
SFG1	Food group of 1st supplement recorded ('of which' in report tables)	Indiv	✓	✓
vitdfolic1	1st supplement: Whether the supplement contains Vit D and/or Folic	Derived	✓	✓
vitdamount1	1st supplement: Amount of vitamin D (µg) in the supplement	Derived	✓	✓
vitdestimate1	1st supplement: Whether amount of vitamin D has been estimated	Derived	✓	✓
folicamount1	1st supplement: Amount of folic acid (µg) in the supplement	Derived	✓	✓
folicestimate1	1st supplement: Whether amount of folic acid has been estimated	Derived	✓	✓
SFORM2 to folicestimate9	Set of variables as above then up to 9 iterations			
hsvity6	Ever taken/given Healthy Start vitamins?	Indiv	✓	✓
hsvitoy6	And how often do you LHSVits3 these vitaminsLHSVits4?	Indiv	✓	✓

BLOOD PRESSURE

Admin

Variable	Description	Source	Year 7	Year 8
MEASBP	(D) Blood pressure measured	Derived	✓	✓
BPRESPC	(D) Whether BP readings are valid	Derived	✓	✓
BPCONST	Consent to BP measurement	Nurse	✓	✓
CONSBX11	Eaten in last 30 mins	Nurse	✓	✓
CONSBX12	Smoked in last 30 mins	Nurse	✓	✓
CONSBX13	Drunk alcohol in last 30 mins	Nurse	✓	✓
CONSBX14	Done vigorous exercise in last 30 mins	Nurse	✓	✓
CONSBX15	Done nothing to affect BP in last 30 mins	Nurse	✓	✓
CONSBX21	Eaten in last 30 mins (U13's)	Nurse	✓	✓
CONSBX22	Done vigorous exercise in last 30 mins (U13's)	Nurse	✓	✓
CONSBX23	Done nothing to affect BP in last 30 mins (U13's)	Nurse	✓	✓
CUFSIZE	Cuff size used	Nurse	✓	✓
FULL	Reliability of 1st set of BP readings	Nurse	✓	✓
FULL2	Reliability of 2nd set of BP readings	Nurse	✓	✓
FULL3	Reliability of 3rd set of BP readings	Nurse	✓	✓
YNOBP	Reason no BP measurements taken	Nurse	✓	✓
RESPBPS	Response to BP measurements	Nurse	✓	✓
NATTBPD2	No BP: Error reading	Nurse	✓	✓
NATTBPD3	No BP: Too shy	Nurse	✓	✓
NATTBPD4	No BP: Child would not sit still	Nurse	✓	✓
NATTBPD5	No BP: Other reason	Nurse	✓	✓
NATTBPD6	No BP: Problems with cuff fitting/painful	Nurse	✓	✓
NATTBPD7	No BP: Problems with Omron readings	Nurse	✓	✓
DIFBPC1	BP Probs: No problems taking BP	Nurse	✓	✓
DIFBPC2	BP Probs: Reading taken on left arm as right arm not suitable	Nurse	✓	✓
DIFBPC3	BP Probs: Respondent upset/anxious/nervous	Nurse	✓	✓

DIFBPC4	BP Probs: Other reason	Nurse	✓	✓
DIFBPC5	BP Probs: Problems with cuff fitting/painful	Nurse	✓	✓
DIFBPC6	BP Probs: Problems with Omron readings	Nurse	✓	✓

Measurements

Variable	Description	Source	Year 7	Year 8
OMSYSVAL	(D) Omron valid mean systolic BP	Derived	✓	✓
OMDIAVAL	(D) Omron valid mean diastolic BP	Derived	✓	✓
HYPER140	(D) Hypertensive categories:140/90: all prescribed drugs for BP	Derived	✓	✓
hyper140_2	(D) Hypertensive categories:140/90: all prescribed drugs for BP [revised]	Derived	✓	✓
hibp140_2	(D) Whether hypertensive:140/90: all prescribed drugs for BP [revised]	Derived	✓	✓
hyper1_2	(D) Hypertensive categories: 160/95: all prescribed drugs for BP [revised]	Derived	✓	✓
highbp1_2	(D) Whether hypertensive: 160/95: all prescribed drugs for BP [revised]	Derived	✓	✓
SYS	1st systolic reading (mmHg)	Nurse	✓	✓
SYS2	2nd systolic reading (mmHg)	Nurse	✓	✓
SYS3	3rd systolic reading (mmHg)	Nurse	✓	✓
DIAS	1st diastolic reading (mmHg)	Nurse	✓	✓
DIAS2	2nd diastolic reading (mmHg)	Nurse	✓	✓
DIAS3	3rd diastolic reading (mmHg)	Nurse	✓	✓
PULSE	1st pulse reading (mmHg)	Nurse	✓	✓
PULSE2	2nd pulse reading (mmHg)	Nurse	✓	✓
PULSE3	3rd pulse reading (mmHg)	Nurse	✓	✓

BLOOD SAMPLE

Admin

Variable	Description	Source	Year 7	Year 8
WILLBS	(D) Willing to have blood sample taken	Derived	✓	✓
BLOODOC1	(D) Blood outcome	Derived	✓	✓
DOBLOOD	Which nurse visit blood taken	Nurse	✓	✓
BSOUT	Blood Sample outcome.	Nurse	✓	✓
BSOUTE	(D) Blood outcome	Derived	✓	✓
CLOTBC	Whether has clotting disorder – child (first visit – intro)	Nurse	✓	✓
FITC	Whether ever has a fit – child (first visit – intro)	Nurse	✓	✓
CLOTBA	Whether has clotting disorder – adult (first visit – intro)	Nurse	✓	✓
FITA	Whether ever has a fit – adult (first visit – intro)	Nurse	✓	✓
BSWILL	Willing to have blood sample taken (first visit - intro)	Nurse	✓	✓
CBSCONST	Child willing to have blood sample taken (first visit - intro)	Nurse	✓	✓
REFBSC1	Refused blood sample: Previous difficulties with venepuncture	Nurse	✓	✓
REFBSC2	Refused blood sample: Dislike/fear of needles	Nurse	✓	✓
REFBSC3	Refused blood sample: Recently had blood test/health check	Nurse	✓	✓
REFBSC4	Refused blood sample: Because of current illness	Nurse	✓	✓
REFBSC5	Refused blood sample: Worried about HIV or AIDS	Nurse	✓	✓
REFBSC6	Refused blood sample: No paediatric phlebotomist available	Nurse	✓	✓
REFBSC7	Refused blood sample: Parent doesn't agree with it/thinks child too young	Nurse	✓	✓
REFBSC8	Refused blood sample: Too busy	Nurse	✓	✓
REFBSC9	Refused blood sample: Time constraints (i.e. appointment timings not convenient)	Nurse	✓	✓
REFBSC97	Refused blood sample: Other reason	Nurse	✓	✓
DIABETES	Whether respondent is diabetic and unwilling to fast	Nurse	✓	✓
EAT	Had anything to eat or drink (excluding water) in the last 8 hours (first visit)	Nurse	✓	✓
NFASTBL	Non fasting blood sample to be taken now (first visit)	Nurse	✓	✓

FASTBL	Fasting blood sample to be taken now (first visit)	Nurse	✓	✓
TCLOTBC	Whether has clotting disorder - child (first visit - before taking sample)	Nurse	✓	✓
TFITC	Whether ever had a fit - child (first visit - before taking sample)	Nurse	✓	✓
TCLOTBA	Whether has clotting disorder - adults (first visit - before taking sample)	Nurse	✓	✓
TFITA	Whether ever had a fit – adult (first visit - before taking sample)	Nurse	✓	✓
TEAT	Had anything to eat or drink (excluding water) in the last 8 hours (first visit - before taking sample) - adult	Nurse	✓	✓
CHEAT	Had anything to eat or drink (excluding water) in the last 8 hours (first visit - before taking sample) - child	Nurse	✓	✓
TBSWILL	Willing to have blood sample taken (first visit - before taking sample)	Nurse	✓	✓
TCBSCONS	Child willing to have blood sample taken (first visit - before taking sample)	Nurse	✓	✓
AMETOPUS	Ametop gel to be used (first visit)	Nurse	✓	✓
ALLERGY	Allergy to a local or general anesthetic (first visit)	Nurse	✓	✓
NOAMETOP	Consent to blood sample without Ametop gel (first visit)	Nurse	✓	✓
TREFBSC1	Refused blood sample: Previous difficulties with venepuncture (first visit)	Nurse	✓	✓
TREFBSC2	Refused blood sample: Dislike/fear of needles (first visit)	Nurse	✓	✓
TREFBSC3	Refused blood sample: Recently had blood test/health check (first visit)	Nurse	✓	✓
TREFBSC4	Refused blood sample: Because of current illness (first visit)	Nurse	✓	✓
TREFBSC5	Refused blood sample: Worried about HIV or AIDS (first visit)	Nurse	✓	✓
TREFBSC6	Refused blood sample: No paediatric phlebotomist available (first visit)	Nurse	✓	✓
TREFBSC7	Refused blood sample: Parent doesn't agree with it/thinks child too young (first visit)	Nurse	✓	✓
TREFBSC8	Refused blood sample: Too busy (first visit)	Nurse	✓	✓
TREFBSC9	Refused blood sample: Time constraints (i.e. appointment timings not convenient) (first visit)	Nurse	✓	✓
TREFBS10	Refused blood sample: Other reason (first visit)	Nurse	✓	✓
GUARDCON	Parent/guardian willing to give consent to blood sample (first visit)	Nurse	✓	✓
SAMPF1AY6	1st EDTA (red, 2.6ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓

SAMPF2AY6	Serum (white, 9.0ml) tube filled - adult 16+ (first visit)	Nurse	✓	✓
SAMPF3AY6	1st Lithium heparin (orange, 7.5ml) tube filled - adult 16+ (first visit)	Nurse	✓	✓
SAMPF4AY6	2nd Lithium heparin (orange, 7.5ml) tube filled - adult 16+ (first visit)	Nurse	✓	✓
SAMPF5AY6	Fluoride (yellow, 1.2ml) tube filled - adult 16+ (first visit)	Nurse	✓	✓
SAMPF6AY6	3rd Lithuim heparin (orange, 4.5 ml) tube filled - adult 16+ (first visit)	Nurse	✓	✓
SAMPF7AY6	2nd EDTA (red, 2.6ml) tube filled - adult 16+ (first visit)	Nurse	✓	✓
SAMPF1COY6	EDTA (red, 2.6ml) tube filled – child 7-15 (first visit)	Nurse	✓	✓
SAMPF2COY6	Serum (white, 7.5ml) tube filled - child 7-15 (first visit)	Nurse	✓	✓
SAMPF3COY6	1st Lithium heparin (orange, 7.5ml) tube filled - child 7-15 (first visit)	Nurse	✓	✓
SAMPF4COY6	2nd Lithium heparin (orange, 2.7ml) tube filled - child 7-15 (first visit)	Nurse	✓	✓
SAMPF5COY6	Fluoride (yellow, 1.2ml) tube filled - child 7-15 (first visit)	Nurse	✓	✓
SAMPF1CYY6	EDTA (red, 2.6ml) tube filled – child 1.5-6 (first visit)	Nurse	✓	✓
SAMPF2CYY6	Serum (white, 4.0ml) tube filled - child 1.5-6 (first visit)	Nurse	✓	✓
SAMPF3CYY6	Lithium heparin (orange, 1.1ml) tube filled - child 1.5-6 (first visit)	Nurse	✓	✓
SAMPTAK	Blood sample outcome (first visit)	Nurse	✓	✓
SAMDIFC1	Blood sample problems: No problem (first visit)	Nurse	✓	✓
SAMDIFC2	Blood sample problems: Incomplete sample (first visit)	Nurse	✓	✓
SAMDIFC3	Blood sample problems: Collapsing/poor veins (first visit)	Nurse	✓	✓
SAMDIFC4	Blood sample problems: Second attempt necessary (first visit)	Nurse	✓	✓
SAMDIFC5	Blood sample problems: Some blood obtained, but respondent felt faint/fainted (first visit)	Nurse	✓	✓
SAMDIFC6	Blood sample problems: Unable to use tourniquet (first visit)	Nurse	✓	✓
SAMDIFC7	Blood sample problems: Other (first visit)	Nurse	✓	✓
NOBSC1	No blood sample: No suitable or no palpable vein/collapsed veins (first visit)	Nurse	✓	✓
NOBSC2	No blood sample: Respondent was too anxious/nervous (first visit)	Nurse	✓	✓
NOBSC3	No blood sample: Respondent felt faint/fainted (first visit)	Nurse	✓	✓
NOBSC97	No blood sample: Other reason (first visit)	Nurse	✓	✓

TCLOTBC2	Whether has clotting disorder - child (second visit)	Nurse	✓	✓
TFITC2	Whether ever had a fit – child (second visit)	Nurse	✓	✓
TCLOTBA2	Whether has clotting disorder - adult (second visit)	Nurse	✓	✓
TFITA2	Whether ever had a fit – adult (second visit)	Nurse	✓	✓
TEAT2	Had anything to eat or drink (excluding water) in the last 8 hours (second visit) - adult	Nurse	✓	✓
CHEAT2	Had anything to eat or drink (excluding water) in the last 8 hours (second visit) - child	Nurse	✓	✓
TBSWILL2	Willing to have blood sample taken (second visit)	Nurse	✓	✓
TCBSCON2	Child willing to have blood sample taken (second visit)	Nurse	✓	✓
AMETOPU2	Ametop gel to be used (second visit)	Nurse	✓	✓
ALLERGY2	Allergy to a local or general anesthetic (second visit)	Nurse	✓	✓
NOAMETO2	Consent to blood sample without Ametop gel (second visit)	Nurse	✓	✓
TREFBS11	Refused blood sample: Previous difficulties with venepuncture (second visit)	Nurse	✓	✓
TREFBS12	Refused blood sample: Dislike/fear of needles (second visit)	Nurse	✓	✓
TREFBS13	Refused blood sample: Recently had blood test/health check (second visit)	Nurse	✓	✓
TREFBS14	Refused blood sample: Because of current illness (second visit)	Nurse	✓	✓
TREFBS15	Refused blood sample: Worried about HIV or AIDS (second visit)	Nurse	✓	✓
TREFBS16	Refused blood sample: No paediatric phlebotomist available (second visit)	Nurse	✓	✓
TREFBS17	Refused blood sample: Parent doesn't agree with it/thinks child too young (second visit)	Nurse	✓	✓
TREFBS18	Refused blood sample: Too busy (second visit)	Nurse	✓	✓
TREFBS19	Refused blood sample: Time constraints (i.e. appointment timings not convenient) (second visit)	Nurse	✓	✓
TREFBS20	Refused blood sample: Other reason (second visit)	Nurse	✓	✓
GUARDCO2	Parent/guardian willing to give consent to blood sample (second visit)	Nurse	✓	✓
SAMPF1A2Y6	1st EDTA (red, 2.6ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓
SAMPF2A2Y6	Serum (white, 9.0ml) tube filled - adult 16+ (second visit)	Nurse	✓	✓
SAMPF3A2Y6	1st Lithium heparin (orange, 7.5ml) tube filled - adult 16+ (second visit)	Nurse	✓	✓

SAMPF4A2Y6	2nd Lithium heparin (orange, 7.5ml) tube filled - adult 16+ (second visit)	Nurse	✓	✓
SAMPF5A2Y6	Fluoride (yellow, 1.2ml) tube filled - adult 16+ (second visit)	Nurse	✓	✓
SAMPF6A2Y6	3rd Lithuim heparin (orange, 4.5 ml) tube filled - adult 16+ (second visit)	Nurse	✓	✓
SAMPF7A2Y6	2nd EDTA (red, 2.6ml) tube filled - adult 16+ (second visit)	Nurse	✓	✓
SAMPF1CO2Y6	EDTA (red, 2.6ml) tube filled – child 7-15 (second visit)	Nurse	✓	✓
SAMPF2CO2Y6	Serum (white, 7.5ml) tube filled - child 7-15 (second visit)	Nurse	✓	✓
SAMPF3CO2Y6	1st Lithium heparin (orange, 7.5ml) tube filled - child 7-15 (second visit)	Nurse	✓	✓
SAMPF4CO2Y6	2nd Lithium heparin (orange, 2.7ml) tube filled - child 7-15 (second visit)	Nurse	✓	✓
SAMPF5CO2Y6	Fluoride (yellow, 1.2ml) tube filled - child 7-15 (second visit)	Nurse	✓	✓
SAMPF1CY2Y6	EDTA (red, 2.6ml) tube filled – child 1.5-6 (second visit)	Nurse	✓	✓
SAMPF2CY2Y6	Serum (white, 4.0ml) tube filled - child 1.5-6 (second visit)	Nurse	✓	✓
SAMPF3CY2Y6	Lithium heparin (orange, 1.1ml) tube filled - child 1.5-6 (second visit)	Nurse	✓	✓
SAMPTAK2	Blood sample outcome (second visit)	Nurse	✓	✓
SAMDIFC8	Blood sample problems: No problem (second visit)	Nurse	✓	✓
SAMDIFC9	Blood sample problems: Incomplete sample (second visit)	Nurse	✓	✓
SAMDIF10	Blood sample problems: Collapsing/poor veins (second visit)	Nurse	✓	✓
SAMDIF11	Blood sample problems: Second attempt necessary (second visit)	Nurse	✓	✓
SAMDIF12	Blood sample problems: Some blood obtained, but respondent felt faint/fainted (second visit)	Nurse	✓	✓
SAMDIF13	Blood sample problems: Unable to use tourniquet (second visit)	Nurse	✓	✓
SAMDIF14	Blood sample problems: Other (second visit)	Nurse	✓	✓
NOBSC4	No blood sample: No suitable or no palpable vein/collapsed veins (second visit)	Nurse	✓	✓
NOBSC5	No blood sample: Respondent was too anxious/nervous (second visit)	Nurse	✓	✓
NOBSC6	No blood sample: Respondent felt faint/fainted (second visit)	Nurse	✓	✓
NOBSC98	No blood sample: Other reason (second visit)	Nurse	✓	✓
SAMPTAK4	Blood sample outcome - computed	Nurse	✓	✓

Measurements

Variable	Description	Source	Year 7	Year 8
Crea	Creatinine (µmol/L) (in plasma from promptly-separated LH blood)	Lab	✓	✓
CreaRes	Creatinine (µmol/L) (in plasma from promptly-separated LH blood) - Result Code	Lab	✓	✓
Atccholratio	(D) Calculation of ATC:total cholesterol ratio	Derived	✓	✓
Chol	Total Cholesterol (mmol/L)	Lab	✓	✓
CholRes	Total Cholesterol (mmol/L) - Result Code	Lab	✓	✓
Trig	Triglycerides (mmol/L)	Lab	✓	✓
TrigRes	Triglycerides (mmol/L) - Result Code	Lab	✓	✓
HDL	High Density Lipoproteins (mmol/L)	Lab	✓	✓
HDLRes	High Density Lipoproteins (mmol/L) - Result Code	Lab	✓	✓
LDL	Low Density Lipoproteins (mmol/L)	Lab	✓	✓
LDLRes	Low Density Lipoproteins (mmol/L) - Result Code	Lab	✓	✓
HDLRatio	Total : HDL Cholesterol Ratio	Lab	✓	✓
HDLRatioRes	Total : HDL Cholesterol Ratio - Result Code	Lab	✓	✓
CRP	C-Reactive Protein (mg/L)	Lab	✓	✓
CRPRes	C-Reactive Protein (mg/L) - Result Code	Lab	✓	✓
CRP_Comment	C-Reactive Protein Comment	Lab	✓	✓
A1C	Haemoglobin A1c (%)	Lab	✓	✓
A1C_mmol_mol	Haemoglobin A1c (mmol/mol)	Lab	✓	✓
A1CRes	Haemoglobin A1c (%) - Result Code	Lab	✓	✓
WBC	White Blood Cell Count (10^9/L)	Lab	✓	✓
WBCRes	White Blood Cell Count (10^9/L) - Result Code	Lab	✓	✓
RBC	Red Blood Cell Count (10^12/L)	Lab	✓	✓
RBCRes	Red Blood Cell Count (10^12/L) - Result Code	Lab	✓	✓
Hblitres	(D) Haemoglobin converted to litres (g/L)	Derived	✓	✓
Hb	Haemoglobin (g/dL)	Lab	✓	✓
hb_g_l	Haemoglobin (g/L)	Lab	✓	✓
HbRes	Haemoglobin (g/dL) - Result Code	Lab	✓	✓

HCT	Haematocrit (l/l)	Lab	✓	✓
HCTRes	Haematocrit (l/l) - Result Code	Lab	✓	✓
MCV	Mean Cell Volume (fl)	Lab	✓	✓
MCVRes	Mean Cell Volume (fl) - Result Code	Lab	✓	✓
MCH	Mean Cell Haemoglobin (pg)	Lab	✓	✓
MCHRes	Mean Cell Haemoglobin (pg) - Result Code	Lab	✓	✓
MCHC	Mean Cell Haemoglobin Concentration (g/dL)	Lab	✓	✓
MCHCRes	Mean Cell Haemoglobin Concentration (g/dL) - Result Code	Lab	✓	✓
RDW	Red Blood Cell Distribution Width	Lab	✓	✓
RDWRes	Red Blood Cell Distribution Width - Result Code	Lab	✓	✓
Plts	Platelet Count (10^9/L)	Lab	✓	✓
PltsRes	Platelet Count (10^9/L) - Result Code	Lab	✓	✓
Neuts	Neutrophil Count(10^9/L)	Lab	✓	✓
NeutsRes	Neutrophil Count (10^9/L) - Result Code	Lab	✓	✓
Lymph	Lymphocyte Count (10^9/L)	Lab	✓	✓
LymphRes	Lymphocyte Count (10^9/L) - Result Code	Lab	✓	✓
Mono	Monocyte Count (10^9/L)	Lab	✓	✓
MonoRes	Monocyte Count (10^9/L) - Result Code	Lab	✓	✓
Eosin	Eosinophil Count (10^9/L)	Lab	✓	✓
EosinRes	Eosinophil Count (10^9/L) - Result Code	Lab	✓	✓
Basop	Basophil Count (10^9/L)	Lab	✓	✓
BasopRes	Basophil Count (10^9/L) - Result Code	Lab	✓	✓
Basop_Comment	Basophil Count (10^9/L) Comments	Lab	✓	✓
SVitB12	Vitamin B12 (pmol/L)	Lab	✓	✓
SVitB12Res	Vitamin B12 (pmol/L) - Result Code	Lab	✓	✓
PFerritin	Ferritin (µg/L)	Lab	✓	✓
PFerritinRes	Ferritin (µg/L) - Result Code	Lab	✓	✓
PFerritin_Comment	Ferritin (µg/L) Comment	Lab	✓	✓
V25OHD	25-Hydroxy Vitamin D (nmol/L)	Lab	✓	✓
V25OHD_Std	25-Hydroxy Vitamin D (nmol/L) – Standardised LC-MS/MS	Lab	✓	✓
V25OHDRes	25-Hydroxy Vitamin D (nmol/L) - Result Code	Lab	✓	✓
V25OHD_Comment	25-Hydroxy Vitamin D (nmol/L) Comment	Lab	✓	✓

Glucose[6]	Glucose (mmol/L)	Lab	✓	✓
GlucoseRes	Glucose (mmol/L) - Result Code	Lab	✓	✓
homocysteine	Homocysteine (µmol/L)	Lab	✓	✓
homocysteineres	Homocysteine (µmol/L) - Result Code	Lab	✓	✓
stfr	Soluble Transferrin Receptor (sTfR) (µg/mL)	Lab	✓	✓
stfrres	Soluble Transferrin Receptor (sTfR) (µg/mL) - Result Code	Lab	✓	✓
holoTC	Holotranscobalamin (pmol/L)	Lab	✓	✓
holoTCRes	Holotranscobalamin (pmol/L) – Result Code	Lab	✓	✓
holoTC_Comment	Holotranscobalamin (pmol/L) - Comment	Lab	✓	✓
VitC	Vitamin C (µmol/L)	Lab	✓	✓
VitCRes	Vitamin C (µmol/L) - Result Code	Lab	✓	✓
VitC_Comment	Vitamin C (µmol/L) Comment	Lab	✓	✓
VitB2	Vitamin B2 Status (EGRAC)	Lab	✓	✓
VitB2Res	Vitamin B2 Status (EGRAC) - Result Code	Lab	✓	✓
VitB1	Vitamin B1 Status (ETKAC)	Lab	✓	✓
VitB1Res	Vitamin B1 Status (ETKAC) - Result Code	Lab	✓	✓
VitB6PLP	Vitamin B6 Pyridoxal-5-Phosphate (PLP) (nmol/L)	Lab	✓	✓
VitB6PLPRes	Vitamin B6 Pyridoxal-5-Phosphate (PLP) (nmol/L) - Result Code	Lab	✓	✓
VIitB6PA	Vitamin B6 4-Pyridoxic acid (PA) (nmol/L)	Lab	✓	✓
VitB6PARes	Vitamin B6 4-Pyridoxic acid (PA) (nmol/L) - Result Code	Lab	✓	✓
Retinol	Retinol (µmol/L)	Lab	✓	✓
RetinolRes	Retinol (µmol/L) - Result Code	Lab	✓	✓
Retinol_Comment	Retinol (µmol/L) Comment	Lab	✓	✓
ATC	Alpha-Tocopherol (µmol/L)	Lab	✓	✓
ATCRes	Alpha-Tocopherol (µmol/L) - Result Code	Lab	✓	✓
ATC_Comment	Alpha-Tocopherol (µmol/L) Comment	Lab	✓	✓
GTC	Gamma-Tocopherol (µmol/L)	Lab	✓	✓
GTCRes	Gamma-Tocopherol (µmol/L) Result Code	Lab	✓	✓
GTC_Comment	Gamma-Tocopherol (µmol/L) Comment	Lab	✓	✓
Lut	Lutein (µmol/L)	Lab	✓	✓

[6] Glucose was funded separately by Diabetes UK and was measured in blood samples collected for Year 7 of the NDNS Rolling Programme

LutRes	Lutein (µmol/L) - Result Code	Lab	✓	✓
Lut_Comment	Lutein (µmol/L) Comment	Lab	✓	✓
ACRY	Alpha-Cryptoxanthin (µmol/L)	Lab	✓	✓
ACRYRes	Alpha-Cryptoxanthin (µmol/L) - Result Code	Lab	✓	✓
ACRY_Comment	Alpha-Cryptoxanthin (µmol/L) Comment	Lab	✓	✓
BCRY	Beta-Cryptoxanthin (µmol/L)	Lab	✓	✓
BCRYRes	Beta-Cryptoxanthin (µmol/L) - Result Code	Lab	✓	✓
BCRY_Comment	Beta-Cryptoxanthin (µmol/L) Comment	Lab	✓	✓
LYCO	Lycopene (µmol/L)	Lab	✓	✓
LycoRes	Lycopene (µmol/L) - Result Code	Lab	✓	✓
Lyco_Comment	Lycopene (µmol/L) Comment	Lab	✓	✓
ACAR	Alpha-Carotene (µmol/L)	Lab	✓	✓
ACARRes	Alpha-Carotene (µmol/L) - Result Code	Lab	✓	✓
ACAR_Comment	Alpha-Carotene (µmol/L) Comment	Lab	✓	✓
BCAR	Beta-Carotene (µmol/L)	Lab	✓	✓
BCARRes	Beta-Carotene (µmol/L) - Result Code	Lab	✓	✓
BCAR_Comment	Beta-Carotene (µmol/L) Comment	Lab	✓	✓
TotalCarotenoids	Derived variable - (Lut + ACRY + BCRY + LYCO + ACAR + BCAR) (µmol/L)	Lab	✓	✓
TotalCarotenoidsRes	Derived variable - (Lut + ACRY + BCRY + LYCO + ACAR + BCAR) (µmol/L) - Result Code. Please Note: If any, but not all, missing values will be coded as -30. If any notional values will be a 2.	Lab	✓	✓
Se	Selenium (µmol/L)	Lab	✓	✓
SeRes	Selenium (µmol/L) - Result Code	Lab	✓	✓
Zn	Zinc (µmol/L)	Lab	✓	✓
ZnRes	Zinc (µmol/L) - Result Code	Lab	✓	✓
RCFolate	Red Cell Folate (nmol/L)	Lab	✓	✓
RCFolateRes	Red Cell Folate (nmol/L) - Result Code	Lab	✓	✓
RCFolate_Comment	Red Cell Folate (nmol/L) Comment	Lab	✓	✓
SerumFolate	Total Serum Folate (nmol/L)	Lab	✓	✓
SerumFolateRes	Total Serum Folate (nmol/L) - Result Code	Lab	✓	✓
SerumFolate_Comm	Total Serum Folate (nmol/L) Comment	Lab	✓	✓

ent				
v5_MethylTHF	5-Methyltetrahydrofolic acid (nmol/L)	Lab	✓	✓
v5_MethylTHFRes	5-Methyltetrahydrofolic acid (nmol/L) - Result Code	Lab	✓	✓
v5_MethylTHF_Comment	5-Methyltetrahydrofolic acid (nmol/L) Comment	Lab	✓	✓
Folic	Folic Acid (nmol/L)	Lab	✓	✓
FolicRes	Folic Acid (nmol/L) - Result Code	Lab	✓	✓
Folic_Comment	Folic Acid (nmol/L) Comment	Lab	✓	✓
v5_FormylTHF	5-Formyltetrahydrofolic acid (nmol/L)	Lab	✓	✓
v5_FormylTHFRes	5-Formyltetrahydrofolic acid (nmol/L) - Result Code	Lab	✓	✓
v5_FormylTHF_Comment	5-Formyltetrahydrofolic acid (nmol/L) Comment	Lab	✓	✓
THF	Tetrahydrofolic acid (nmol/L)	Lab	✓	✓
THFRes	Tetrahydrofolic acid (nmol/L) - Result Code	Lab	✓	✓
THF_Comment	Tetrahydrofolic acid (nmol/L) Comment	Lab	✓	✓
v5_10_MethenylTHF	5,10-Methenyltetrahydrofolic acid (nmol/L)	Lab	✓	✓
v5_10_MethenylTHFRes	5,10-Methenyltetrahydrofolic acid (nmol/L) - Result Code	Lab	✓	✓
v5_10_MethenylTHF_Comment	5,10-Methenyltetrahydrofolic acid (nmol/L) Comments	Lab	✓	✓
MeFox	MeFox (oxidation product of 5-methylTHF) (nmol/L)	Lab	✓	✓
MeFoxRes	MeFox (oxidation product of 5-methylTHF) (nmol/L) - Result Code	Lab	✓	✓
MeFox_Comment	MeFox (oxidation product of 5-methylTHF) (nmol/L) Comment	Lab	✓	✓

SPOT SAMPLE FOR URINARY IODINE

Admin

Variable	Description	Source	Year 7	Year 8
SurveyYear	Survey year	Sample	✓	✓
ISerial	Participant's ID	Sample	✓	✓
CoreBoost	Core or boost	Sample	✓	✓
Sex	Sex	Indiv	✓	✓
Age	Age	Indiv	✓	✓
Country	Country	Indiv	✓	✓
WILLSPTUR	(D) Willing to provide spot urine sample	Indiv	✓	✓
SPTUROC	(D) Spot urine outcome	Indiv	✓	✓

Measurements

Variable	Description	Source	Year 7	Year 8
I_ug_L	Urinary iodine (µg/L)	Lab	✓	✓
I_ug_LRes	Urinary iodine (µg/L) - Result code	Lab	✓	✓
I_ug_L_Comment	Urinary iodine (µg/L) Comment	Lab	✓	✓

FOOD LEVEL DIETARY DATA

Admin

Variable	Description	Source	Year 7	Year 8
ISERIAL[7]	Individual serial number	Diary	✔	✔
SurveyYear	NDNS Survey year	Diary	✔	✔
Age	Age	Indiv	✔	✔
Sex	Sex	Indiv	✔	✔
CoreBoost	Core or boost	Sample	✔	✔
Country	Country	Indiv	✔	✔
DIARYMTH	Month diary completed	Diary	✔	✔
DayofWeek	Day of week	Diary	✔	✔
DayNo	Diary day number (1-4)	Diary	✔	✔
DiaryDaysCompleted	Number of diary days completed (3-4)	Diary	✔	✔
MealTimeDescription	Meal time 'slot'	Diary	✔	✔
MealTime	Exact meal time	Diary	✔	✔

Food groups

Variable	Description	Source	Year 7	Year 8
FoodNumber	NDNS databank food number	Diary	✔	✔
FoodName	NDNS databank food name	Diary	✔	✔
MainFoodGroupCode	Main food group code for the food	Diary	✔	✔
MainFoodGroupDesc	Main food group description for the food	Diary	✔	✔
SubFoodGroupCode	Subsidiary food group code for the food	Diary	✔	✔
SubFoodGroupDesc	Subsidiary food group description for the food	Diary	✔	✔
RecipeMainFoodGroupCode	Main food group code for the recipe in which food a constituent ingredient (will be same as for food unless coded as part of a recipe)	Diary	✔	✔

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[7] Variable renamed SERIALI in archived dataset

Variable	Description	Source	Year 7	Year 8
RecipeMainFoodGroupDesc	Main food group description for the recipe in which food a constituent ingredient (will be same as for food unless coded as part of a recipe)	Diary	✓	✓
RecipeSubFoodGroupCode	Subsidiary food group code for the recipe in which food a constituent ingredient (will be same as for food unless coded as part of a recipe)	Diary	✓	✓
RecipeSubFoodGroupDesc	Subsidiary food group description for the recipe in which food a constituent ingredient (will be same as for food unless coded as part of a recipe)	Diary	✓	✓

Nutrients

Variable	Description	Source	Year 7	Year 8
Energykcal	Energy (kcal/portion)	Diary	✓	✓
EnergykJ	Energy (kJ/portion)	Diary	✓	✓
Proteing	Protein (g/portion)	Diary	✓	✓
Fatg	Fat (g/portion)	Diary	✓	✓
Carbohydrateg	Carbohydrate (g/portion)	Diary	✓	✓
Sodiummg	Sodium (mg/portion)	Diary	✓	✓
Potassiummg	Potassium (mg/portion)	Diary	✓	✓
Calciummg	Calcium (mg/portion)	Diary	✓	✓
Magnesiummg	Magnesium (mg/portion)	Diary	✓	✓
Phosphorusmg	Phosphorus (mg/portion)	Diary	✓	✓
Ironmg	Iron (mg/portion)	Diary	✓	✓
Haemironmg	Haem Iron (mg/portion)	Diary	✓	✓
Nonhaemironmg	Non-haem Iron (mg/portion)	Diary	✓	✓

Coppermg	Copper (mg/portion)	Diary	✓	✓
Zincmg	Zinc (mg/portion)	Diary	✓	✓
Chloridemg	Chloride (mg/portion)	Diary	✓	✓
Retinolµg	Retinol (µg/portion)	Diary	✓	✓
Totalcaroteneµg	Total carotene (µg/portion)	Diary	✓	✓
Alphacaroteneµg	Alpha carotene (µg/portion)	Diary	✓	✓
Betacaroteneµg	Beta carotene (µg/portion)	Diary	✓	✓
Betacryptoxanthinµg	Beta cryptoxanthin (µg/portion)	Diary	✓	✓
VitaminAretinolequivalentsµg	Vitamin A retinol equivalents (µg/portion)	Diary	✓	✓
VitaminDµg	Vitamin D (µg/portion)	Diary	✓	✓
VitaminEmg	Vitamin E (mg/portion)	Diary	✓	✓
Thiaminmg	Thiamin (mg/portion)	Diary	✓	✓
Riboflavinmg	Riboflavin (mg/portion)	Diary	✓	✓
Niacinequivalentmg	Niacinequivalent (mg/portion)	Diary	✓	✓
VitaminB6mg	Vitamin B6 (mg/portion)	Diary	✓	✓
VitaminB12µg	Vitamin B12 (µg/portion)	Diary	✓	✓
Folateµg	Folate (µg/portion)	Diary	✓	✓
Pantothenicacidmg	Pantothenic acid (mg/portion)	Diary	✓	✓
Biotinµg	Biotin (µg/portion)	Diary	✓	✓
VitaminCmg	Vitamin C (mg/portion)	Diary	✓	✓
Alcoholg	Alcohol (g/portion)	Diary	✓	✓
Waterg	Water (g/portion)	Diary	✓	✓
Totalsugarsg	Total sugars (g/portion)	Diary	✓	✓

Othersugarsg	Other sugars (g/portion)	Diary	✓	✓
Starchg	Starch (g/portion)	Diary	✓	✓
Glucoseg	Glucose (g/portion)	Diary	✓	✓
Fructoseg	Fructose (g/portion)	Diary	✓	✓
Sucroseg	Sucrose (g/portion)	Diary	✓	✓
Maltoseg	Maltose (g/portion)	Diary	✓	✓
Lactoseg	Lactose (g/portion)	Diary	✓	✓
Nonmilkextrinsicsugarsg	Non milk extrinsic sugars (g/portion)	Diary	✓	✓
Intrinsicandmilksugarsg	Intrinsic and milk sugars (g/portion)	Diary	✓	✓
FreeSugarsg	Free sugars (g/portion)	Diary	✓	✓
AOACFibreg	AOAC Fibre (g/portion)	Diary	✓	✓
Englystfibreg	Englyst fibre (g/portion)	Diary	✓	✓
Totalnitrogeng	Total nitrogen (g/portion)	Diary	✓	✓
Manganesemg	Manganese (mg/portion)	Diary	✓	✓
Iodineµg	Iodine (µg/portion)	Diary	✓	✓
Seleniumµg	Selenium (µg/portion)	Diary	✓	✓
Cholesterolmg	Cholesterol (mg/portion)	Diary	✓	✓
Saturatedfattyacidsg	Saturated fatty acids (g/portion)	Diary	✓	✓
CisMonounsaturatedfattyacidsg	Cis monounsaturated fatty acids (g/portion)	Diary	✓	✓
Cisn6fattyacidsg	Cis-n6 fatty acids (g/portion)	Diary	✓	✓
Cisn3fattyacidsg	Cis-n3 fatty acids (g/portion)	Diary	✓	✓

Transfattyacidsg	Trans fatty acids (g/portion)	Diary	✓	✓

Disaggregated foods

Variable	Description	Source	Year 7	Year 8
Fruitg	Fruit (including from composite dishes) (g/portion)	Diary	✓	✓
DriedFruitg	Dried Fruit (including from composite dishes) (g/portion)	Diary	✓	✓
FruitJuiceg	Fruit juice (including from composite dishes) (g/portion)	Diary	✓	✓
SmoothieFruitg	Fruit from smoothies (including from composite dishes) (g/portion)	Diary	✓	✓
Tomatoesg	Tomatoes (including from composite dishes) (g/portion)	Diary	✓	✓
TomatoPureeg	Tomato puree (including from composite dishes) (g/portion)	Diary	✓	✓
Brassicaceaeg	Brassicaceae (including from composite dishes) (g/portion)	Diary	✓	✓
YellowRedGreeng	Yellow, red and green vegetables (including from composite dishes) (g/portion)	Diary	✓	✓
Beansg	Beans (including from composite dishes) (g/portion)	Diary	✓	✓
Nutsg	Nuts (including from composite dishes) (g/portion)	Diary	✓	✓
OtherVegg	Other vegetables (including from composite dishes) (g/portion)	Diary	✓	✓
Beefg	Beef (including from composite dishes) (g/portion)	Diary	✓	✓
Lambg	Lamb (including from composite dishes) (g/portion)	Diary	✓	✓
Porkg	Pork (including from composite dishes) (g/portion)	Diary	✓	✓
ProcessedRedMeatg	Processed red meat (including from composite dishes) (g/portion)	Diary	✓	✓
OtherRedMeatg	Other red meat (including from composite dishes) (g/portion)	Diary	✓	✓
Burgersg	Burgers (including from composite dishes) (g/portion)	Diary	✓	✓
Sausagesg	Sausages (including from composite dishes) (g/portion)	Diary	✓	✓
Offalg	Offal (including from composite dishes) (g/portion)	Diary	✓	✓
Poultryg	Poultry (including from composite dishes) (g/portion)	Diary	✓	✓

ProcessedPoultryg	Processed poultry (including from composite dishes) (g/portion)	Diary	✓	✓
GameBirdsg	Game birds (including from composite dishes) (g/portion)	Diary	✓	✓
WhiteFishg	White fish (including from composite dishes) (g/portion)	Diary	✓	✓
OilyFishg	Oily fish (including from composite dishes) (g/portion)	Diary	✓	✓
CannedTunag	Canned tuna (including from composite dishes) (g/portion)	Diary	✓	✓
Shellfishg	Shellfish (including from composite dishes) (g/portion)	Diary	✓	✓
CottageCheeseg	Cottage cheese (including from composite dishes) (g/portion)	Diary	✓	✓
CheddarCheeseg	Cheddar cheese (including from composite dishes) (g/portion)	Diary	✓	✓
OtherCheeseg	Other cheese (including from composite dishes) (g/portion)	Diary	✓	✓
TotalGrams	Amount/units per portion	Diary	✓	✓

Other information

Variable	Description	Source	Year 7	Year 8
WhoWith	Who eaten with	Diary	✓	✓
WhoWithOther	Who eaten with (other)	Diary	✓	✓
Where	Where eaten	Diary	✓	✓
WhereOther	Where eaten (other)	Diary	✓	✓
WatchingTV	Watching TV	Diary	✓	✓
Table	Sitting at table	Diary	✓	✓

DAY LEVEL DIETARY DATA - FOODS

Admin

Variable	Description	Source	Year 7	Year 8

ISERIAL[8]	Individual serial number	Diary	✓	✓
SurveyYear	Survey year	Diary	✓	✓
Diarymth	Month diary completed	Diary	✓	✓
DayofWeek	Day of week	Diary	✓	✓
Age	Age	Indiv	✓	✓
Sex	Sex	Indiv	✓	✓
Country	Country	Indiv	✓	✓

Food groups (not including disaggregated foods)

Variable	Description	Source	Year 7	Year 8
BACONANDHAM	Bacon and ham (g)	Diary	✓	✓
BEEFVEALANDDISHES	Beef, veal and dishes (g)	Diary	✓	✓
BEERLAGERCIDERPERRY	Beer, lager, cider and perry (g)	Diary	✓	✓
BISCUITS	Biscuits (g)	Diary	✓	✓
BROWNGRANARYANDWHEATGERMBREAD	Brown, granary and wheatgerm bread (g)	Diary	✓	✓
BUNSCAKESPASTRIESFRUITPIES	Buns, cakes, pastries and fruit pies (g)	Diary	✓	✓
BURGERSANDKEBABS	Burgers and kebabs (g)	Diary	✓	✓
BUTTER	Butter (g)	Diary	✓	✓
CHEESE	Cheese (g)	Diary	✓	✓
CHICKENANDTURKEYDISHES	Chicken and turkey dishes (g)	Diary	✓	✓
CHIPSFRIEDROASTPOTATOESANDPOTATOPRODUCTS	Chips, fried and roast potatoes and potato products (g)	Diary	✓	✓
CHOCOLATECONFECTIONERY	Chocolate confectionery (g)	Diary	✓	✓
COATEDCHICKEN	Coated chicken and turkey (g)	Diary	✓	✓
COMMERCIALTODDLERSFOODSANDDRINKS	Commercial toddler foods and drinks (g)	Diary	✓	✓
CRISPSANDSAVOURYSNACKS	Crisps and savoury snacks (g)	Diary	✓	✓
EGGSANDEGGDISHES	Eggs and egg dishes (g)	Diary	✓	✓
FRUIT	Fruit (g)	Diary	✓	✓
FRUITJUICE	Fruit juice including smoothies (g)	Diary	✓	✓
HIGHFIBREBREAKFASTCEREALS	High fibre breakfast cereals (g)	Diary	✓	✓

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[8] Variable renamed SERIALI in archived dataset

ICECREAM	Ice cream (g)	Diary	✓	✓
LAMBANDDISHES	Lamb and dishes (g)	Diary	✓	✓
LIVERDISHES	Liver and dishes (g)	Diary	✓	✓
LOWFATSPREAD	Low fat spread (g)	Diary	✓	✓
MEATPIESANDPASTRIES	Meat pies and pastries (g)	Diary	✓	✓
NUTSANDSEEDS	Nuts and seeds (g)	Diary	✓	✓
OILYFISH	Oily fish (g)	Diary	✓	✓
ONEPERCENTMILK	One percent milk (g)	Diary	✓	✓
OTHERBREAD	Other bread (g)	Diary	✓	✓
OTHERBREAKFASTCEREALS	Other breakfast cereals (g)	Diary	✓	✓
OTHERMARGARINEFATSANDOILS	Other margarine, fats and oils (g)	Diary	✓	✓
OTHERMEATANDMEATPRODUCTS	Other meat and meat products (g)	Diary	✓	✓
OTHERMILKANDCREAM	Other milk and cream (g)	Diary	✓	✓
OTHERPOTATOESPOTATOSALADSDISHES	Other potatoes, potato salads and dishes (g)	Diary	✓	✓
OTHERWHITEFISHSHELLFISHFISHDISHES	Other white fish, shellfish and fish dishes (g)	Diary	✓	✓
PASTARICEANDOTHERCEREALS	Pasta, rice and other cereals (g)	Diary	✓	✓
PORKANDDISHES	Pork and dishes (g)	Diary	✓	✓
PUDDINGS	Puddings (g)	Diary	✓	✓
PUFAMARGARINEOILS	PUFA margarine and oils (g)	Diary	✓	✓
REDUCEDFATSPREAD	Reduced fat spread (g)	Diary	✓	✓
SALADANDOTHERRAWVEGETABLES	Salad and other raw vegetables (g)	Diary	✓	✓
SAUSAGES	Sausages (g)	Diary	✓	✓
SEMISKIMMEDMILK	Semi skimmed milk (g)	Diary	✓	✓
SKIMMEDMILK	Skimmed milk (g)	Diary	✓	✓
SMOOTHIES100FRUITANDORJUICE	Smoothies 100% fruit and/or juice (g)	Diary	✓	✓
SOFTDRINKSLOWCALORIE	Soft drinks low calorie (g)	Diary	✓	✓
SOFTDRINKSNOTLOWCALORIE	Soft drinks not low calorie (g)	Diary	✓	✓
SPIRITSANDLIQUEURS	Spirits and liqueurs (g)	Diary	✓	✓
SUGARCONFECTIONERY	Sugar confectionery (g)	Diary	✓	✓
SUGARSPRESERVESANDSWEETSPREADS	Sugar, preserves and sweet spreads (g)	Diary	✓	✓

TEACOFFEEANDWATER	Tea, coffee and water (g)	Diary	✓	✓
VEGETABLESNOTRAW	Vegetables not raw (g)	Diary	✓	✓
WHITEBREAD	White bread (g)	Diary	✓	✓
WHITEFISHCOATEDORFRIED	White fish coated or fried (g)	Diary	✓	✓
WHOLEMEALBREAD	Wholemeal bread (g)	Diary	✓	✓
WHOLEMILK	Whole milk (g)	Diary	✓	✓
WINE	Wine (g)	Diary	✓	✓
YOGURTFROMAGEFRAISANDDAIRYDESSERTS	Yogurt, fromage frais and dairy desserts (g)	Diary	✓	✓
DRYWEIGHTBEVERAGES	Dry weight beverages (g)	Diary	✓	✓
CHEDDARCHEESE	Cheddar cheese (g)	Diary	✓	✓
COTTAGECHEESE	Cottage cheese (g)	Diary	✓	✓
LOWFATSPREADNOTPOLYUNSATURATED	Low fat spread not polyunsaturated (g)	Diary	✓	✓
OTHERCHEESE	Other cheese (g)	Diary	✓	✓
POLYUNSATURATEDLOWFATSPREAD	Polyunsaturated low fat spread (g)	Diary	✓	✓
REDUCEDFATSPREADNOTPOLYUNSATURATED	Reduced fat spread not polyunsaturated (g)	Diary	✓	✓
REDUCEDFATSPREADPOLYUNSATURATED	Reduced fat spread polyunsaturated (g)	Diary	✓	✓
SAVOURYSAUCESPICKLESGRAVIESCONDIMENTS	Sauces, pickles and gravies (g)	Diary	✓	✓
SOUPHOMEMADEANDRETAIL	Soup homemade and retail (g)	Diary	✓	✓

Other dietary information

Variable	Description	Source	Year 7	Year 8
SpecialDiet	Following a special diet during recording period	Diary	✓	✓
SpecialDietDetails	Details of special diet	Diary	✓	✓
Supps	Dietary Supplements taken on this day	Diary	✓	✓
UsualFoodQuantity	Food quantity on this day (Usual, More, Less, Don't know)	Diary	✓	✓
LessFoodReason	Why less food	Diary	✓	✓

LessFoodOtherReason	Why less food (Other)	Diary	✓	✓
MoreFoodReason	Why more food	Diary	✓	✓
MoreFoodOtherReason	Why more food (Other)	Diary	✓	✓
UsualDrinkQuantity	Drink quantity on this day (Usual, More, Less, Don't know)	Diary	✓	✓
LessDrinkReason	Why less drink	Diary	✓	✓
LessDrinkOtherReason	Why less drink (Other)	Diary	✓	✓
MoreDrinkReason	Why more drink	Diary	✓	✓
MoreDrinkOtherReason	Why more drink (other)	Diary	✓	✓

DAY LEVEL DIETARY DATA - NUTRIENTS

Admin

Variable	Description	Source	Year 7	Year 8
ISERIAL[9]	Individual serial number	Diary	✔	✔
SurveyYear	Survey year	Diary	✔	✔
Diarymth	Month diary completed	Diary	✔	✔
DayofWeek	Day of week	Diary	✔	✔
Age	Age	Indiv	✔	✔
Sex	Sex	Indiv	✔	✔
Country	Country	Indiv	✔	✔

Nutrients (diet only)

Variable	Description	Source	Year 7	Year 8
Energykcal	Total energy (kcal) diet only	Diary	✔	✔
EnergykJ	Total energy (kJ) diet only	Diary	✔	✔
FoodEkcal	Food energy (kcal) diet only	Derived	✔	✔
FoodEkJ	Food energy (kJ) diet only	Derived	✔	✔
Proteing	Protein (g) diet only	Diary	✔	✔
Fatg	Fat (g) diet only	Diary	✔	✔
Carbohydrateg	Carbohydrate (g) diet only	Diary	✔	✔
Sodiummg	Sodium (mg) diet only	Diary	✔	✔
Potassiummg	Potassium (mg) diet only	Diary	✔	✔
Calciummg	Calcium (mg) diet only	Diary	✔	✔
Magnesiummg	Magnesium (mg) diet only	Diary	✔	✔
Phosphorusmg	Phosphorus (mg) diet only	Diary	✔	✔
Ironmg	Iron (mg) diet only	Diary	✔	✔
Haemironmg	Haem iron (mg) diet only	Diary	✔	✔
Nonhaemironmg	Non-haem iron (mg) diet only	Diary	✔	✔

[9] Variable renamed SERIALI in archived dataset

Coppermg	Copper (mg) diet only	Diary	✓	✓
Zincmg	Zinc (mg) diet only	Diary	✓	✓
Chloridemg	Chloride (mg) diet only	Diary	✓	✓
Retinolµg	Retinol (µg) diet only	Diary	✓	✓
Totalcaroteneµg	Total carotene (µg) diet only	Diary	✓	✓
Alphacaroteneµg	Alpha carotene (µg) diet only	Diary	✓	✓
Betacaroteneµg	Beta carotene (µg) diet only	Diary	✓	✓
Betacryptoxanthinµg	Betacryptoxanthin (µg) diet only	Diary	✓	✓
VitaminAretinolequivalentsµg	Vitamin A (retinol equivalents) (µg) diet only	Diary	✓	✓
VitaminDµg	Vitamin D (µg) diet only	Diary	✓	✓
VitaminEmg	Vitamin E (mg) diet only	Diary	✓	✓
Thiaminmg	Thiamin (mg) diet only	Diary	✓	✓
Riboflavinmg	Riboflavin (mg) diet only	Diary	✓	✓
Niacinequivalentmg	Niacin equivalent (mg) diet only	Diary	✓	✓
VitaminB6mg	Vitamin B6 (mg) diet only	Diary	✓	✓
VitaminB12µg	Vitamin B12 (µg) diet only	Diary	✓	✓
Folateµg	Folate (µg) diet only	Diary	✓	✓
Pantothenicacidmg	Pantothenic acid (mg) diet only	Diary	✓	✓
Biotinµg	Biotin (µg) diet only	Diary	✓	✓
VitaminCmg	Vitamin C (mg) diet only	Diary	✓	✓
Alcoholg	Alcohol (g) diet only	Diary	✓	✓
Totalsugarsg	Total sugars (g) diet only	Diary	✓	✓
Othersugarsg	Other sugars (g) diet only	Diary	✓	✓
Starchg	Starch (g) diet only	Diary	✓	✓
Glucoseg	Glucose (g) diet only	Diary	✓	✓
Fructoseg	Fructose (g) diet only	Diary	✓	✓
Sucroseg	Sucrose (g) diet only	Diary	✓	✓
Maltoseg	Maltose (g) diet only	Diary	✓	✓
Lactoseg	Lactose (g) diet only	Diary	✓	✓
Nonmilkextrinsicsugarsg	Non-milk extrinsic sugars (g) diet only	Diary	✓	✓

			Year 7	Year 8
Intrinsicandmilksugarsg	Intrinsic milk sugars (g) diet only	Diary	✓	✓
Intrinsicandmilksugarsandstarch	Intrinsic milk sugars and starch (g) diet only	Diary	✓	✓
Englystfibreg	Englyst fibre (g) diet only	Diary	✓	✓
FreeSugarsg	Free sugars (g) diet only	Diary	✓	✓
AOACFibreg	AOAC Fibre (g) diet only	Diary	✓	✓
Totalnitrogeng	Total nitrogen (g) diet only	Diary	✓	✓
Manganesemg	Manganese (mg) diet only	Diary	✓	✓
Iodineµg	Iodine (µg) diet only	Diary	✓	✓
Seleniumµg	Selenium (µg) diet only	Diary	✓	✓
Saturatedfattyacidsg	Saturated fatty acids (g) diet only	Diary	✓	✓
CisMonounsaturatedfattyacidsg	Cis-monounsaturated fatty acids (g) diet only	Diary	✓	✓
Cisn6fattyacidsg	Cis n-6 fatty acids (g) diet only	Diary	✓	✓
Cisn3fattyacidsg	Cis n-3 fatty acids (g) diet only	Diary	✓	✓
Transfattyacidsg	Trans fatty acids (g) diet only	Diary	✓	✓

Disaggregated foods				
Variable	**Description**	**Source**	**Year 7**	**Year 8**
Fruitg	Fruit (incl from composite dishes) (g)	Diary	✓	✓
DriedFruitg	Dried fruit (incl from composite dishes) (g)	Diary	✓	✓
FruitJuiceg	Fruit juice (incl from composite dishes) (g)	Diary	✓	✓
FruitJuiceg100percent	Fruit juice from 100% juice or smoothies derived to calculate 5-a-day portions (g)	Diary	✓	✓
SmoothieFruitg	Fruit from smoothies (incl from composite dishes) (g)	Diary	✓	✓
Tomatoesg	Tomatoes (incl from composite dishes) (g)	Diary	✓	✓
TomatoPureeg	Tomato puree (incl from composite dishes) (g)	Diary	✓	✓

Brassicaceaeg	Brassicaceae (incl from composite dishes) (g)	Diary	✓	✓
YellowRedGreeng	Yellow/red/green vegetables (incl from composite dishes) (g)	Diary	✓	✓
Beansg	Beans (incl from composite dishes) (g)	Diary	✓	✓
Nutsg	Nuts (incl from composite dishes) (g)	Diary	✓	✓
OtherVegg	Other vegetables (incl from composite dishes) (g)	Diary	✓	✓
fruitjuicemax	Fruit juice g (maximum 150g)	Derived	✓	✓
Driedfruitx3	Dried fruit g x 3	Derived	✓	✓
Tompureex5	Tomato puree g x 5	Derived	✓	✓
beansmax	Beans g (maximum 80g)	Derived	✓	✓
smoothiefruitmax	Fruit from smoothies g (maximum 160g)	Derived	✓	✓
Beefg	Beef (incl from composite dishes) (g)	Diary	✓	✓
Lambg	Lamb (incl from composite dishes) (g)	Diary	✓	✓
Porkg	Pork (incl from composite dishes) (g)	Diary	✓	✓
ProcessedRedMeatg	Processed red meat (incl from composite dishes) (g)	Diary	✓	✓
OtherRedMeatg	Other red meat (incl from composite dishes) (g)	Diary	✓	✓
Burgersg	Burgers (incl from composite dishes) (g)	Diary	✓	✓
Sausagesg	Sausages (incl from composite dishes) (g)	Diary	✓	✓
Offalg	Offal (incl from composite dishes) (g)	Diary	✓	✓
Poultryg	Poultry (incl from composite dishes) (g)	Diary	✓	✓
ProcessedPoultryg	Processed poultry (incl from composite dishes) (g)	Diary	✓	✓
GameBirdsg	Game birds (incl from composite dishes) (g)	Diary	✓	✓
WhiteFishg	White fish (incl from composite dishes) (g)	Diary	✓	✓
OilyFishg	Oily fish (incl from composite dishes) (g)	Diary	✓	✓
CannedTunag	Canned tuna (incl from composite dishes) (g)	Diary	✓	✓
Shellfishg	Shellfish (incl from composite dishes) (g)	Diary	✓	✓
CottageCheeseg	Cottage cheese (incl from composite dishes) (g)	Diary	✓	✓
CheddarCheeseg	Cheddar cheese (incl from composite dishes) (g)	Diary	✓	✓
OtherCheeseg	Other cheese (incl from composite dishes) (g)	Diary	✓	✓
TotalGrams	Total grams of food consumed	Diary	✓	✓

Nutrients (including supplements)

Variable	Description	Source	Year 7	Year 8
Potassiummgplussupps	Potassium (mg) including supplements	Diary	✓	✓
Calciummgplussupps	Calcium (mg) including supplements	Diary	✓	✓
Magnesiummgplussupps	Magnesium (mg) including supplements	Diary	✓	✓
Ironmgplussupps	Iron (mg) including supplements	Diary	✓	✓
Coppermgplussupps	Copper (mg) including supplements	Diary	✓	✓
Zincmgplussupps	Zinc (mg) including supplements	Diary	✓	✓
Retinolμgplussupps	Retinol (μg) including supplements	Diary	✓	✓
VitaminAretinolequivalentsμgplussupps	Vitamin A (retinol equivalents) (μg) including supplements	Diary	✓	✓
VitaminDμgplussupps	Vitamin D (μg) including supplements	Diary	✓	✓
VitaminEmgplussupps	Vitamin E (mg) including supplements	Diary	✓	✓
Thiaminmgplussupps	Thiamin (mg) including supplements	Diary	✓	✓
Riboflavinmgplussupps	Riboflavin (mg) including supplements	Diary	✓	✓
Niacinequivalentmgplussupps	Niacin equivalent (mg) including supplements	Diary	✓	✓
VitaminB6mgplussupps	Vitamin B6 (mg) including supplements	Diary	✓	✓
VitaminB12μgplussupps	Vitamin B12 (μg) including supplements	Diary	✓	✓
Folateμgplussupps	Folate (μg) including supplements	Diary	✓	✓
VitaminCmgplussupps	Vitamin C (mg) including supplements	Diary	✓	✓
Iodineμgplussupps	Iodine (μg) including supplements	Diary	✓	✓
Seleniumμgplussupps	Selenium (μg) including supplements	Diary	✓	✓

Other dietary information

Variable	Description	Source	Year 7	Year 8
SpecialDiet	Following a special diet during recording period	Diary	✔	✔
SpecialDietDetails	Details of special diet	Diary	✔	✔
Supps	Dietary Supplements taken on this day	Diary	✔	✔
UsualFoodQuantity	Food quantity on this day (Usual, More, Less, Don't know)	Diary	✔	✔
LessFoodReason	Why less food	Diary	✔	✔
LessFoodOtherReason	Why less food (Other)	Diary	✔	✔
MoreFoodReason	Why more food	Diary	✔	✔
MoreFoodOtherReason	Why more food (Other)	Diary	✔	✔
UsualDrinkQuantity	Drink quantity on this day (Usual, More, Less, Don't know)	Diary	✔	✔
LessDrinkReason	Why less drink	Diary	✔	✔
LessDrinkOtherReason	Why less drink (Other)	Diary	✔	✔
MoreDrinkReason	Why more drink	Diary	✔	✔
MoreDrinkOtherReason	Why more drink (other)	Diary	✔	✔

Supplements

Variable	Description	Source	Year 7	Year 8
CALCIUMONLYORWITHVITAMIND	Calcium only or with vitamin D	Diary	✔	✔
CODLIVEROILANDOTHERFISHOILSINCLVITADE	Cod liver and other fish oils	Derived	✔	✔
EVENINGPRIMROSEOILANDOTHERPLANTOILS	Evening primrose and other plant oils	Diary	✔	✔
FOLICACID	Folic acid	Diary	✔	✔
IRONONLYORWITHVITAMINC	Iron only or with vitamin C	Diary	✔	✔
MINERALSTWOORMOREINCLMULTIMINSNOVITAMINS	Multi-minerals (no vitamins)	Diary	✔	✔
MULTIVITAMINANDORMINERALSWITHOMEGA3	Multivitamins and minerals with omega 3	Diary	✔	✔

NONNUTRIENTSUPPLEMENTSINCLHERBAL	Non-nutrient supplements (including herbal)	Diary	✓	✓
OTHERNUTRIENTSUPPLEMENTS	Other nutrient supplements	Diary	✓	✓
VITC	Vitamin C	Diary	✓	✓
VITAMINSANDMINERALSINCLMULTIVITSMINERALS	Multivitamins and minerals	Diary	✓	✓
VITAMINSTWOORMOREINCLMULTIVITSNOMINERALS	Multi-vitamins (no minerals)	Diary	✓	✓
SINGLEVITAMINSMINERALS	Single vitamins/minerals	Derived	✓	✓

PERSON LEVEL DIETARY DATA

Admin

Variable	Description	Source	Year 7	Year 8
ISERIAL[10]	Individual serial number	Diary	✓	✓
SurveyYear	Survey year	Diary	✓	✓
Ndays	Number of diary days	Diary	✓	✓
Age	Age	Indiv	✓	✓
Sex	Sex	Indiv	✓	✓
Country	Country	Indiv	✓	✓

Nutrients (diet only)

Variable	Description	Source	Year 7	Year 8
TotalEMJ	Total energy (MJ) diet only	Diary	✓	✓

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[10] Variable renamed SERIALI in archived dataset

FoodEMJ	Food energy (MJ) diet only	Diary	✓	✓
EnergykJ	Total energy (kJ) diet only	Diary	✓	✓
FoodEkJ	Food energy (kJ) diet only	Diary	✓	✓
Energykcal	Total energy (kcal) diet only	Derived	✓	✓
FoodEkcal	Food energy (kcal) diet only	Derived	✓	✓
Proteing	Protein (g) diet only	Diary	✓	✓
Fatg	Fat (g) diet only	Diary	✓	✓
Saturatedfattyacidsg	Saturated fatty acids (g) diet only	Diary	✓	✓
CisMonounsaturatedfattyacidsg	Cis-Monounsaturated fatty acids (g) diet only	Diary	✓	✓
Cisn6fattyacidsg	Cis n-6 fatty acids (g) diet only	Diary	✓	✓
Cisn3fattyacidsg	Cis n-3 fatty acids (g) diet only	Diary	✓	✓
Transfattyacidsg	Trans fatty acids (g) diet only	Diary	✓	✓
Carbohydrateg	Carbohydrate (g) diet only	Diary	✓	✓
Totalsugarsg	Total sugars (g) diet only	Diary	✓	✓
Othersugarsg	Other sugars (g) diet only	Diary	✓	✓
Starchg	Starch (g) diet only	Diary	✓	✓
Glucoseg	Glucose (g) diet only	Diary	✓	✓
Fructoseg	Fructose (g) diet only	Diary	✓	✓
Sucroseg	Sucrose (g) diet only	Diary	✓	✓
Maltoseg	Maltose (g) diet only	Diary	✓	✓
Lactoseg	Lactose (g) diet only	Diary	✓	✓
Nonmilkextrinsicsugarsg	Non-milk extrinsic sugars (g) diet only	Diary	✓	✓
Intrinsicandmilksugarsg	Intrinsic and milk sugars (g) diet only	Diary	✓	✓
Intrinsicandmilksugarsandstarchg	Intrinsic and milk sugars and starch (g) diet only	Diary	✓	✓
FreeSugarsg	Free sugars (g) diet only	Diary	✓	✓
Englystfibreg	Non-starch polysaccharides (Englyst fibre) (g) diet only	Diary	✓	✓
AOACFibreg	AOAC Fibre (g) diet only	Diary	✓	✓

Retinolμg	Retinol (μg) diet only	Diary	✓	✓
Totalcaroteneμg	Total carotene (μg) diet only	Diary	✓	✓
Alphacaroteneμg	Alphacarotene (μg) diet only	Diary	✓	✓
Betacaroteneμg	Betacarotene (μg) diet only	Diary	✓	✓
Betacryptoxanthinμg	Betacryptoxanthin (μg) diet only	Diary	✓	✓
VitaminAretinolequivalentsμg	Vitamin A (retinol equivalents) (μg) diet only	Diary	✓	✓
VitaminDμg	Vitamin D (μg) diet only	Diary	✓	✓
VitaminEmg	Vitamin E (mg) diet only	Diary	✓	✓
Thiaminmg	Thiamin (mg) diet only	Diary	✓	✓
Riboflavinmg	Riboflavin (mg) diet only	Diary	✓	✓
Niacinequivalentmg	Niacin equivalent (mg) diet only	Diary	✓	✓
VitaminB6mg	Vitamin B6 (mg) diet only	Diary	✓	✓
VitaminB12μg	Vitamin B12 (μg) diet only	Diary	✓	✓
Folateμg	Folate (μg) diet only	Diary	✓	✓
Pantothenicacidmg	Pantothenic acid (mg) diet only	Diary	✓	✓
Biotinμg	Biotin (μg) diet only	Diary	✓	✓
VitaminCmg	Vitamin C (mg) diet only	Diary	✓	✓
Sodiummg	Sodium (mg) diet only	Diary	✓	✓
Potassiummg	Potassium (mg) diet only	Diary	✓	✓
Calciummg	Calcium (mg) diet only	Diary	✓	✓
Magnesiummg	Magnesium (mg) diet only	Diary	✓	✓
Phosphorusmg	Phosphorus (mg) diet only	Diary	✓	✓
Ironmg	Iron (mg) diet only	Diary	✓	✓
Haemironmg	Haem iron (mg) diet only	Diary	✓	✓
Nonhaemironmg	Non-haem iron (mg) diet only	Diary	✓	✓
Coppermg	Copper (mg) diet only	Diary	✓	✓
Zincmg	Zinc (mg) diet only	Diary	✓	✓
Chloridemg	Chloride (mg) diet only	Diary	✓	✓
Totalnitrogeng	Total nitrogen (g) diet only	Diary	✓	✓
Manganesemg	Manganese (mg) diet only	Diary	✓	✓

Iodineµg	Iodine (µg) diet only	Diary	✓	✓
Seleniumµg	Selenium (µg) diet only	Diary	✓	✓
Alcoholg	Alcohol (g) diet only	Diary	✓	✓

Nutrients (including supplements)

Variable	Description	Source	Year 7	Year 8
Potassiummgplussupps	Potassium (mg) including supplements	Diary	✓	✓
Calciummgplussupps	Calcium (mg) including supplements	Diary	✓	✓
Magnesiummgplussupps	Magnesium (mg) including supplements	Diary	✓	✓
Ironmgplussupps	Iron (mg) including supplements	Diary	✓	✓
Coppermgplussupps	Copper (mg) including supplements	Diary	✓	✓
Zincmgplussupps	Zinc (mg) including supplements	Diary	✓	✓
Retinolµgplussupps	Retinol (µg) including supplements	Diary	✓	✓
VitaminAretinolequivalentsµgplussupps	Vitamin A (retinol equivalents) (µg) including supplements	Diary	✓	✓
VitaminDµgplussupps	Vitamin D (µg) including supplements	Diary	✓	✓
VitaminEmgplussupps	Vitamin E (mg) including supplements	Diary	✓	✓
Thiaminmgplussupps	Thiamin (mg) including supplements	Diary	✓	✓
Riboflavinmgplussupps	Riboflavin (mg) including supplements	Diary	✓	✓
Niacinequivalentmgplussupps	Niacin equivalents (mg) including supplements	Diary	✓	✓
VitaminB6mgplussupps	Vitamin B6 (mg) including supplements	Diary	✓	✓
VitaminB12µgplussupps	Vitamin B12 (µg) including supplements	Diary	✓	✓
Folateµgplussupps	Folate (µg) including supplements	Diary	✓	✓
VitaminCmgplussupps	Vitamin C (mg) including supplements	Diary	✓	✓
Iodineµgplussupps	Iodine (µg) including supplements	Diary	✓	✓
Seleniumµgplussupps	Selenium (µg) including supplements	Diary	✓	✓

Dietary reference values/nutrient intakes (percentage of total/food energy)

Variable	Description	Source	Year 7	Year 8

Variable	Description	Source		
EMJear	Energy (MJ) (EAR)	COMA	✓	✓
Ekcalear	Energy (kcal) (EAR)	COMA	✓	✓
PCSACNEAR	Total energy MJ as % of EAR	SACN	✓	✓
Protrni	Protein (g) (RNI)	COMA	✓	✓
Thiaminrni	Thiamin (mg) (RNI)	COMA	✓	✓
EARthiamin	EAR thiamin (mg/1000kcal)	COMA	✓	✓
Thiaminlrni	Thiamin (mg/1000kcal) (LRNI)	COMA	✓	✓
Riboflavinrni	Riboflavin (mg) (RNI)	COMA	✓	✓
EARriboflavin	EARriboflavin	COMA	✓	✓
Riboflavinlrni	Riboflavin (mg) (LRNI)	COMA	✓	✓
Niacinrni	Niacin (mg) (RNI)	COMA	✓	✓
Niacinlrni	Niacin (mg NE/1000kcal) (LRNI)	COMA	✓	✓
VitB6rni	Vit B6 (mg) (RNI)	COMA	✓	✓
EARvitB6	EARvitB6	COMA	✓	✓
VitB6lrni	Vit B6 (ug/g protein) (LRNI)	COMA	✓	✓
VitB12rni	Vit B12 (ug) (RNI)	COMA	✓	✓
EARvitB12	EARvitB12	COMA	✓	✓
VitB12lrni	Vit B12 (ug) (LRNI)	COMA	✓	✓
Folaterni	Folate (ug) (RNI)	COMA	✓	✓
EARfolate	EARfolate	COMA	✓	✓
Folatelrni	Folate (ug) (LRNI)	COMA	✓	✓
VitCrni	Vit C (mg) (RNI)	COMA	✓	✓
EARvitC	EARvitC	COMA	✓	✓
VitClrni	Vit C (mg) (LRNI)	COMA	✓	✓
VitDrni	Vit D (ug) (RNI (Safe intake for 1.5-3yr olds))	COMA	✓	✓
VitArni	Vit A (ug) (RNI)	COMA	✓	✓
EARVitA	EARVitA	COMA	✓	✓
VitAlrni	Vit A (ug) (LRNI)	COMA	✓	✓
Calciumrni	Ca (mg) (RNI)	COMA	✓	✓
EARcalcium	EARcalcium	COMA	✓	✓
Calciumlrni	Ca (mg) (LRNI)	COMA	✓	✓

Phosphorusrni	P (mg) (RNI)	COMA	✓	✓
Magnesiumrni	Mg (mg) (RNI)	COMA	✓	✓
EARmagnesium	EARmagnesium	COMA	✓	✓
Magnesiumlrni	Mg (mg) (LRNI)	COMA	✓	✓
Sodiumrni	Na (mg) (RNI)	COMA	✓	✓
Sodiumlrni	Na (mg) (LRNI)	COMA	✓	✓
Potassiumrni	K (mg) (RNI)	COMA	✓	✓
Potassiumlrni	K (mg) (LRNI)	COMA	✓	✓
Chlorinerni	Cl (mg) (RNI)	COMA	✓	✓
Ironrni	Fe (mg) (RNI)	COMA	✓	✓
EARiron	EARiron	COMA	✓	✓
Ironlrni	Fe (mg) (LRNI)	COMA	✓	✓
Zincrni	Zn (mg) (RNI)	COMA	✓	✓
EARzinc	EARzinc	COMA	✓	✓
Zinclrni	Zn (mg) (LRNI)	COMA	✓	✓
Copperrni	Cu (mg) (RNI)	COMA	✓	✓
Seleniumrni	Se (ug) (RNI)	COMA	✓	✓
Seleniumlrni	Se (ug) (LRNI)	COMA	✓	✓
Iodinerni	I (ug) (RNI)	COMA	✓	✓
Iodinelrni	I (ug) (LRNI)	COMA	✓	✓
Pantothenicsilo	Pantothenic acid (mg) (Safe Intake - Low)	COMA	✓	✓
Pantothenicsihi	Pantothenic acid (mg) (Safe Intake - High)	COMA	✓	✓
Biotinsilo	Biotin (ug) (Safe Intake - Low)	COMA	✓	✓
Biotinsihi	Biotin (ug) (Safe Intake - High)	COMA	✓	✓
VitEsi	Vit E (mg) (Safe Intake)	COMA	✓	✓
Manganesesi	Mn (mg) (Safe Intake)	COMA	✓	✓
ProteinpcfoodE	Protein percent food energy	Derived	✓	✓
ProteinpctotE	Protein percent total energy	Derived	✓	✓
FatpcfoodE	Fat percent food energy	Derived	✓	✓
FatpctotE	Fat percent total energy	Derived	✓	✓
CHOpcfoodE	Carbohydrate percent food energy	Derived	✓	✓

CHOpctotE	Carbohydrate percent total energy	Derived	✓	✓
SFApcfoodE	Saturated fatty acids percent food energy	Derived	✓	✓
SFApctotE	Saturated fatty acids percent total energy	Derived	✓	✓
CMUFApcfoodE	Cis monounsaturated fatty acids percent food energy	Derived	✓	✓
CMUFApctotE	Cis monounsaturated fatty acids percent total energy	Derived	✓	✓
CN3PUFApcfoodE	Cis N3 polyunsaturated fatty acids percent food energy	Derived	✓	✓
CN3PUFApctotE	Cis N3 polyunsaturated fatty acids percent total energy	Derived	✓	✓
CN6PUFApcfoodE	Cis N6 polyunsaturated fatty acids percent food energy	Derived	✓	✓
CN6PUFApctotE	Cis N6 polyunsaturated fatty acids percent total energy	Derived	✓	✓
TransFApcfoodE	Trans fatty acids percent food energy	Derived	✓	✓
TransFApctotE	Trans fatty acids percent total energy	Derived	✓	✓
StarchpcfoodE	Starch percent food energy	Derived	✓	✓
StarchpctotE	Starch percent total energy	Derived	✓	✓
TotalsugarspcfoodE	Total sugars percent food energy	Derived	✓	✓
TotalsugarspctotE	Total sugars percent total energy	Derived	✓	✓
NMESpcfoodE	Non-milk extrinsic sugars percent food energy	Derived	✓	✓
NMESpctotE	Non-milk extrinsic sugars percent total energy	Derived	✓	✓
FreeSugarspcfoodE	Free sugars percent food energy			
FreeSugarspctotE	Free sugars percent total energy			
IMSSpcfoodE	Intrinsic and milk sugars and starch percent food energy	Derived	✓	✓
IMSSpctotE	Intrinsic and milk sugars and starch percent total energy	Derived	✓	✓
IMSpcfoodE	Intrinsic and milk sugars percent food energy	Derived	✓	✓
IMSpctotE	Intrinsic and milk sugars percent total energy	Derived	✓	✓
AlcoholpctotE	Alcohol percent total energy	Derived	✓	✓
Thiaminmgper1000kcal	Thiamin mg/1000 kcal	Derived	✓	✓

			✓	✓
Niacinequivalentmgper1000kcal	Niacin Equivalent in mg/1000 kcal	Derived	✓	✓
VitB6pprot	Vitamin B6 µg/g protein	Derived	✓	✓
Thiaminmgper1000kcalplussupps	Thiamin mg/1000 kcal including supplements	Derived	✓	✓
Niacinequivalentmgper1000kcalplussupps	Niacin Equivalent mg/1000 kcal including supplements	Derived	✓	✓
VitB6pprotplussupps	Vitamin B6 µg/g protein including supplements	Derived	✓	✓
PCRNIVitA	Percent RNI Vitamin A	Derived	✓	✓
PCRNIThiamin	Percent RNI Thiamin	Derived	✓	✓
PCRNIRiboflavin	Percent RNI Riboflavin	Derived	✓	✓
PCRNINiacinequivalent	Percent RNI Niacin equivalent	Derived	✓	✓
PCRNIVitB6	Percent RNI Vitamin B6	Derived	✓	✓
PCRNIFolate	Percent RNI Folate	Derived	✓	✓
PCRNIVitB12	Percent RNI Vitamin B12	Derived	✓	✓
PCRNIVitC	Percent RNI Vitamin C	Derived	✓	✓
PCRNIVitD	Percent RNI Vitamin D (Percent Safe intake for 1.5-3yr olds)	Derived	✓	✓
PCRNIIron	Percent RNI Iron	Derived	✓	✓
PCRNICalcium	Percent RNI Calcium	Derived	✓	✓
PCRNIMagnesium	Percent RNI Magnesium	Derived	✓	✓
PCRNIPotassium	Percent RNI Potassium	Derived	✓	✓
PCRNIZinc	Percent RNI Zinc	Derived	✓	✓
PCRNICopper	Percent RNI Copper	Derived	✓	✓
PCRNISelenium	Percent RNI Selenium	Derived	✓	✓
PCRNIIodine	Percent RNI Iodine	Derived	✓	✓
PCRNIplussuppsVitA	Percent RNI Vitamin A including supplements	Derived	✓	✓
PCRNIplussuppsThiamin	Percent RNI Thiamin including supplements	Derived	✓	✓
PCRNIplussuppsRiboflavin	Percent RNI Riboflavin including supplements	Derived	✓	✓
PCRNIplussuppsNiacinequivalent	Percent RNI Niacin equivalent including supplements	Derived	✓	✓
PCRNIplussuppsVitB6	Percent RNI Vitamin B6 including supplements	Derived	✓	✓

PCRNIplussuppsFolate	Percent RNI Folate including supplements	Derived	✓	✓
PCRNIplussuppsVitB12	Percent RNI Vitamin B12 including supplements	Derived	✓	✓
PCRNIplussuppsVitC	Percent RNI Vitamin C including supplements	Derived	✓	✓
PCRNIplussuppsVitD	Percent RNI Vitamin D including supplements	Derived	✓	✓
PCRNIplussuppsIron	Percent RNI Iron including supplements	Derived	✓	✓
PCRNIplussuppsCalcium	Percent RNI Calcium including supplements	Derived	✓	✓
PCRNIplussuppsMagnesium	Percent RNI Magnesium including supplements	Derived	✓	✓
PCRNIplussuppsPotassium	Percent RNI Potassium including supplements	Derived	✓	✓
PCRNIplussuppsZinc	Percent RNI Zinc including supplements	Derived	✓	✓
PCRNIplussuppsCopper	Percent RNI Copper including supplements	Derived	✓	✓
PCRNIplussuppsSelenium	Percent RNI Selenium including supplements	Derived	✓	✓
PCRNIplussuppsIodine	Percent RNI Iodine including supplements	Derived	✓	✓
bloVitAlrni	Below LRNI Vitamin A	Derived	✓	✓
bloThiaminlrni	Below LRNI Thiamin	Derived	✓	✓
bloThiamlrniplussupps	Below LRNI Thiamin including supplements	Derived	✓	✓
bloRiboflavinlrni	Below LRNI Riboflavin	Derived	✓	✓
bloNiacinequivalentlrni	Below LRNI Niacin equivalent	Derived	✓	✓
bloNiacElrniplussupps	Below LRNI Niacin equivalents including supplements	Derived	✓	✓
bloFolatelrni	Below LRNI Folate	Derived	✓	✓
bloVitB6lrni	Below LRNI Vitamin B6	Derived	✓	✓
bloVitB6lrniplussupps	Below LRNI Vitamin B6 including supplements	Derived	✓	✓
bloVitB12lrni	Below LRNI Vitamin B12	Derived	✓	✓
bloVitClrni	Below LRNI Vitamin C	Derived	✓	✓
bloCalciumlrni	Below LRNI Calcium	Derived	✓	✓
bloIronlrni	Below LRNI Iron	Derived	✓	✓
bloMglrni	Below LRNI Magnesium	Derived	✓	✓
bloPotassiumlrni	Below LRNI Potassium	Derived	✓	✓
bloZinclrni	Below LRNI Zinc	Derived	✓	✓
bloSeleniumlrni	Below LRNI Selenium	Derived	✓	✓

				✓	✓
bloIodinelrni	Below LRNI Iodine	Derived		✓	✓
bloVitAlrniplussupps	Below LRNI Vitamin A including supplements	Derived		✓	✓
bloRibolrniplussupps	Below LRNI Riboflavin including supplements	Derived		✓	✓
bloFollrniplussupps	Below LRNI Folate including supplements	Derived		✓	✓
bloVitB12lrniplussupps	Below LRNI Vitamin B12 including supplements	Derived		✓	✓
bloVitClrniplussupps	Below LRNI Vitamin C including supplements	Derived		✓	✓
bloCalrniplussupps	Below LRNI Calcium including supplements	Derived		✓	✓
bloIronlrniplussupps	Below LRNI Iron including supplements	Derived		✓	✓
bloMglrniplussupps	Below LRNI Magnesium including supplements	Derived		✓	✓
bloPotassiumlrniplussupps	Below LRNI Potassium including supplements	Derived		✓	✓
bloZinclrniplussupps	Below LRNI Zinc including supplements	Derived		✓	✓
bloSelrniplussupps	Below LRNI Selenium including supplements	Derived		✓	✓
bloIodinelrniplussupps	Below LRNI Iodine including supplements	Derived		✓	✓

Food groups (including disaggregated foods)

Variable	Description	Source	Year 7	Year 8
ONEPERCENTMILK	One percent milk (g)	Diary	✓	✓
BEEFVEALANDDISHES	Beef, veal and dishes (g)	Diary	✓	✓
BUTTER	Butter (g)	Diary	✓	✓
OTHERMARGARINEFATSANDOILS	Other margarine, fats and oils (g)	Diary	✓	✓
OTHERMILKANDCREAM	Other milk and cream (g)	Diary	✓	✓
PUFAMARGARINEOILS	PUFA margarine and oils (g)	Diary	✓	✓
SEMISKIMMEDMILK	Semi skimmed milk (g)	Diary	✓	✓
WHOLEMILK	Whole milk (g)	Diary	✓	✓
WHOLEMEALBREAD	Wholemeal bread (g)	Diary	✓	✓
ICECREAM	Ice cream (g)	Diary	✓	✓

WHITEFISHCOATEDORFRIED	White fish coated or fried (g)	Diary	✓	✓
BEERLAGERCIDERPERRY	Beer, lager, cider and perry (g)	Diary	✓	✓
CRISPSANDSAVOURYSNACKS	Crisps and savoury snacks (g)	Diary	✓	✓
FRUITJUICE	Fruit juice including smoothies (g)	Diary	✓	✓
SOFTDRINKSLOWCALORIE	Soft drinks low calorie (g)	Diary	✓	✓
SOFTDRINKSNOTLOWCALORIE	Soft drinks not low calorie (g)	Diary	✓	✓
SPIRITSANDLIQUEURS	Spirits and liqueurs (g)	Diary	✓	✓
SUGARCONFECTIONERY	Sugar confectionery (g)	Diary	✓	✓
TEACOFFEEANDWATER	Tea, coffee and water (g)	Diary	✓	✓
WINE	Wine (g)	Diary	✓	✓
BACONANDHAM	Bacon and ham (g)	Diary	✓	✓
BISCUITS	Biscuits (g)	Diary	✓	✓
BUNSCAKESPASTRIESFRUITPIES	Buns, cakes, pastries and fruit pies (g)	Diary	✓	✓
BURGERSANDKEBABS	Burgers and kebabs (g)	Diary	✓	✓
CHEESE	Cheese (g)	Diary	✓	✓
CHIPSFRIEDROASTPOTATOESANDPOTATOPRODUCTS	Chips, fried and roast potatoes and potato products (g)	Diary	✓	✓
CHOCOLATECONFECTIONERY	Chocolate confectionery (g)	Diary	✓	✓
COATEDCHICKEN	Coated chicken and turkey (g)	Diary	✓	✓
EGGSANDEGGDISHES	Eggs and egg dishes (g)	Diary	✓	✓
FRUIT	Fruit (g)	Diary	✓	✓
HIGHFIBREBREAKFASTCEREALS	High fibre breakfast cereals (g)	Diary	✓	✓
LAMBANDDISHES	Lamb and dishes (g)	Diary	✓	✓
LIVERDISHES	Liver and dishes (g)	Diary	✓	✓
MEATPIESANDPASTRIES	Meat pies and pastries (g)	Diary	✓	✓
NUTSANDSEEDS	Nuts and seeds (g)	Diary	✓	✓
OILYFISH	Oily fish (g)	Diary	✓	✓
OTHERBREAD	Other bread (g)	Diary	✓	✓
OTHERMEATANDMEATPRODUCTS	Other meat and meat products (g)	Diary	✓	✓
PASTARICEANDOTHERCEREALS	Pasta, rice and other cereals (g)	Diary	✓	✓
PORKANDDISHES	Pork and dishes (g)	Diary	✓	✓
SALADANDOTHERRAWVEGETABLES	Salad and other raw vegetables (g)	Diary	✓	✓

SAUSAGES	Sausages (g)	Diary	✓	✓
WHITEBREAD	White bread (g)	Diary	✓	✓
YOGURTFROMAGEFRAISANDDAIRYDESSERTS	Yogurt, fromage frais and dairy desserts (g)	Diary	✓	✓
OTHERBREAKFASTCEREALS	Other breakfast cereals (g)	Diary	✓	✓
OTHERPOTATOESPOTATOSALADSDISHES	Other potatoes, potato salads and dishes (g)	Diary	✓	✓
OTHERWHITEFISHSHELLFISHFISHDISHES	Other white fish, shellfish and fish dishes (g)	Diary	✓	✓
VEGETABLESNOTRAW	Vegetables not raw (g)	Diary	✓	✓
CHICKENANDTURKEYDISHES	Chicken and turkey dishes (g)	Diary	✓	✓
PUDDINGS	Puddings (g)	Diary	✓	✓
BROWNGRANARYANDWHEATGERMBREAD	Brown, granary and wheatgerm bread (g)	Diary	✓	✓
SKIMMEDMILK	Skimmed milk (g)	Diary	✓	✓
SUGARSPRESERVESANDSWEETSPREADS	Sugar, preserves and sweet spreads (g)	Diary	✓	✓
DRYWEIGHTBEVERAGES	Dry weight beverages (g)	Diary	✓	✓
LOWFATSPREADNOTPOLYUNSATURATED	Low fat spread not polyunsaturated (g)	Diary	✓	✓
LOWFATSPREADPOLYUNSATURATED	Low fat spread polyunsaturated (g)	Diary	✓	✓
REDUCEDFATSPREADNOTPOLYUNSATURATED	Reduced fat spread not polyunsaturated (g)	Diary	✓	✓
REDUCEDFATSPREADPOLYUNSATURATED	Reduced fat spread polyunsaturated (g)	Diary	✓	✓
SAVOURYSAUCESPICKLESGRAVIESCONDIMENTS	Sauces, pickles and gravies (g)	Diary	✓	✓
SOUPHOMEMADEANDRETAIL	Soup homemade and retail (g)	Diary	✓	✓
COMMERCIALTODDLERSFOODSANDDRINKS	Commercial toddler foods and drinks (g)	Diary	✓	✓
CHEDDARCHEESE	Cheddar cheese (g)	Diary	✓	✓
COTTAGECHEESE	Cottage cheese (g)	Diary	✓	✓
OTHERCHEESE	Other cheese (g)	Diary	✓	✓
Fruitg	Fruit (incl from composite dishes) (g)	Diary	✓	✓
DriedFruitg	Dried fruit (incl from composite dishes) (g)	Diary	✓	✓
FruitJuiceg	Fruit juice (incl from composite dishes) (g)	Diary	✓	✓
FruitJuiceg100percent	Fruit juice from 100% juice or smoothies derived to calculate 5-a-day portions (g)	Diary	✓	✓
SmoothieFruitg	Fruit from smoothies (incl from composite dishes) (g)	Diary	✓	✓
Tomatoesg	Tomatoes (incl from composite dishes) (g)	Diary	✓	✓

TomatoPureeg	Tomato puree (incl from composite dishes) (g)	Diary	✓	✓
Brassicaceaeg	Brassicaceae (incl from composite dishes) (g)	Diary	✓	✓
YellowRedGreeng	Yellow/red/green vegetables (incl from composite dishes) (g)	Diary	✓	✓
Beansg	Beans and pulses (incl from composite dishes) (g)	Diary	✓	✓
Nutsg	Nuts (incl from composite dishes) (g)	Diary	✓	✓
OtherVegg	Other vegetables (incl from composite dishes) (g)	Diary	✓	✓
Driedfruitx3	Dried fruit g x 3	Derived	✓	✓
Fruitjuicemax	Fruit juice g (maximum 150g)	Derived	✓	✓
Smoothiefruitmax	Fruit from smoothies g (maximum 160g)	Derived	✓	✓
Tompureex5	Tomato puree g x 5	Derived	✓	✓
beansmax	Beans g (maximum 80g)	Derived	✓	✓
Fruitjuiceportions	Fruit juice portions (150g)	Derived	✓	✓
totalfruit	Total fruit (not including juice)	Derived	✓	✓
totalveg	Total vegetables	Derived	✓	✓
totalfruitandveg	Total fruit (not including juice) and vegetables	Derived	✓	✓
SmoothieFruitportions	Smoothie fruit portions (160g)	Derived	✓	✓
Fruitvegportions	Portions of fruit and vegetables (80g)	Derived	✓	✓
Totfruitvegportions	"5-a-day" portions (portions/day)	Derived	✓	✓
Achieve5	Consuming 5 or more portions per day of fruit and vegetables	Derived	✓	✓
Beefg	Beef (incl from composite dishes) (g)	Diary	✓	✓
Lambg	Lamb (incl from composite dishes) (g)	Diary	✓	✓
Porkg	Pork (incl from composite dishes) (g)	Diary	✓	✓
ProcessedRedMeatg	Processed red meat (incl from composite dishes) (g)	Diary	✓	✓
OtherRedMeatg	Other red meat (incl from composite dishes)	Diary	✓	✓

	(g)		✓	✓
Burgersg	Burgers (incl from composite dishes) (g)	Diary	✓	✓
Sausagesg	Sausages (incl from composite dishes) (g)	Diary	✓	✓
Offalg	Offal (incl from composite dishes) (g)	Diary	✓	✓
Poultryg	Poultry (incl from composite dishes) (g)	Diary	✓	✓
ProcessedPoultryg	Processed poultry (incl from composite dishes) (g)	Diary	✓	✓
GameBirdsg	Game birds (incl from composite dishes) (g)	Diary	✓	✓
WhiteFishg	White fish (incl from composite dishes) (g)	Diary	✓	✓
OilyFishg	Oily fish (incl from composite dishes) (g)	Diary	✓	✓
CannedTunag	Canned tuna (incl from composite dishes) (g)	Diary	✓	✓
Shellfishg	Shellfish (incl from composite dishes) (g)	Diary	✓	✓
totalfish	Total fish (incl from composite dishes) (g)	Derived	✓	✓
totalredmeat	Total red meat (incl from composite dishes) (g)	Derived	✓	✓
totalwhitemeat	Total white meat (incl from composite dishes) (g)	Derived	✓	✓
totalmeat	Total meat (incl from composite dishes) (g)	Derived	✓	✓
CottageCheeseg	Cottage Cheese (incl from composite dishes) (g)	Diary	✓	✓
CheddarCheeseg	Cheddar Cheese (incl from composite dishes) (g)	Diary	✓	✓
OtherCheeseg	Other Cheese (incl from composite dishes) (g)	Diary	✓	✓

Supplements

Variable	Description	Source	Year 7	Year 8
CODLIVEROILANDOTHERFISHOILSINCLVITADE	Cod liver and other fish oils	Derived	✓	✓
EVENINGPRIMROSEOILANDOTHERPLANTOILS	Evening primrose and other plant oils	Diary	✓	✓
CALCIUMONLYORWITHVITAMIND	Calcium only or with vitamin D	Diary	✓	✓
FOLICACID	Folic acid	Diary	✓	✓

IRONONLYORWITHVITAMINC	Iron only or with vitamin C	Diary	✓	✓
VITC	Vitamin C	Diary	✓	✓
OTHERNUTRIENTSUPPLEMENTS	Other nutrient supplements	Diary	✓	✓
VITAMINSTWOORMOREINCLMULTI VITSNOMINERALS	Multi-vitamins (no minerals)	Diary	✓	✓
MINERALSTWOORMOREINCLMULT IMINSNOVITAMINS	Multi-minerals (no vitamins)	Diary	✓	✓
VITAMINSANDMINERALSINCLMULT IVITSMINERALS	Multivitamins and minerals	Diary	✓	✓
NONNUTRIENTSUPPLEMENTSINCL HERBAL	Non-nutrient supplements (including herbal)	Diary	✓	✓
SINGLEVITAMINSMINERALS	Single vitamins/minerals	Diary	✓	✓
MULTIVITAMINANDORMINERALSWI THOMEGA3	Multivitamins and minerals with omega 3	Diary	✓	✓
Supptaker	Any type of supplement	Diary	✓	✓
CODLIVEROILANDOTHERFISHOILSI NCLVITADE_CAPI	Number of different types of Cod liver and other fish oils as reported in CAPI	Indiv	✓	✓
EVENINGPRIMROSEOILANDOTHER PLANTOILS_CAPI	Number of different types of Evening primrose and other plant oils as reported in CAPI	Indiv	✓	✓
CALCIUMONLYORWITHVITAMIND_ CAPI	Number of different types of Calcium only or with vitamin D as reported in CAPI	Indiv	✓	✓
FOLICACID_CAPI	Number of different types of Folic acid as reported in CAPI	Indiv	✓	✓
IRONONLYORWITHVITAMINC_CAPI	Number of different types of Iron only or with vitamin C as reported in CAPI	Indiv	✓	✓
VITC_CAPI	Number of different types of Vitamin C as reported in CAPI	Indiv	✓	✓
OTHERNUTRIENTSUPPLEMENTS_ CAPI	Number of different types of Other nutrient supplements as reported in CAPI	Indiv	✓	✓
VITAMINSTWOORMOREINCLMULTI VITSNOMINERALS_CAPI	Number of different types of Multi-vitamins (no minerals) as reported in CAPI	Indiv	✓	✓
MINERALSTWOORMOREINCLMULT IMINSNOVITAMINS_CAPI	Number of different types of Multi-minerals (no vitamins) as reported in CAPI	Indiv	✓	✓
VITAMINSANDMINERALSINCLMULT	Number of different types of Multivitamins	Indiv	✓	✓

IVITSMINERALS_CAPI	and minerals as reported in CAPI			
NONNUTRIENTSUPPLEMENTSINCL HERBAL_CAPI	Number of different types of Non-nutrient supplements (including herbal) as reported in CAPI	Indiv	✓	✓
SINGLEVITAMINSMINERALS_CAPI	Number of different types of Single vitamins/minerals as reported in CAPI	Indiv	✓	✓
MULTIVITAMINANDORMINERALSWI THOMEGA3_CAPI	Number of different types of Multivitamins and minerals with omega 3 as reported in CAPI	Indiv	✓	✓
SuppTaker_CAPI	Any type of supplement as reported in CAPI	Indiv	✓	✓

National Diet and Nutrition Survey Rolling Programme

Years 7-8 (2014/15-2015/16)

Derived Variables for UK Data

NatCen Social Research

MRC | Elsie Widdowson Laboratory

Contents

Classification

Household

TENURE (D) Tenure
- 1   Own outright
- 2   Own with mortgage
- 3   Rent local authority
- 4   Rent housing association
- 5   Rent privately, furnished
- 6   Rent privately, unfurnished

```
SPSS Syntax

Recode llord (-9 thru -1=copy) into tenure.
Recode ten1 (-9 thru -1=copy) (0 thru hi=0) into tenure.
if furn=-9 tenure=-9.
if ten1 = 1 tenure =1.
if ten1 = 2 tenure =2.
if ten1 = 3 tenure =2.
if (any (ten1, 4,5) & llord = 1) tenure = 3.
if (any (ten1, 4,5) & llord = 2) tenure = 4.
if (any (ten1, 4,5) & range (llord, 3, 7) & furn = 1) tenure = 5.
if (any (ten1, 4,5) & range (llord, 3, 7) & furn = 2) tenure = 6.
if (any (ten1, 4,5) & range (llord, 3, 7) & furn = 3) tenure = 6.
if (any (ten1, 4,5) & range (llord, 3, 7) & furn = -9) tenure = 6.
VARIABLE LABELS tenure "(D) Tenure".
VALUE LABELS tenure
1 "Own outright"
2 "Own with mortgage"
3 "Rent local authority"
4 "Rent housing association"
5 "Rent privately, furnished"
6 "Rent privately, unfurnished".
```

Individual

AGEGR1 (D) Age of respondent, grouped
- 1   1.5-3 years
- 2   4-10 years
- 3   11-18 years
- 4   19-64 years
- 5   65+ years

```
SPSS Syntax

recode age (1 thru 3=1) (4 thru 10=2) (11 thru 18=3) (19 thru 64=4) (65 thru high=5) into
agegr1 .
variable label agegr1  "(D) Age of respondent, grouped".
value labels agegr1
1 '1.5-3 years'
2 '4-10 years'
3 '11-18 years'
4 '19-64 years'
5 '65+ years'.
```

AGEGR2 (D) Adult vs. child
> 1 Adult 19+ years
> 2 Child 1.5-18 years

```
SPSS Syntax

recode age (19 thru highest=1)  (1 thru 18=2) into agegr2 .
variable label agegr2 '(D) Adult vs. child'.
value label agegr2
1 'Adult 19+ years'
2 'Child 1.5-18 years'.
```

AGEGAD1 (D) Age of respondent 16+, grouped into 4 groups.
> 1 16-24
> 2 25-49
> 3 50-64
> 4 65+ years

```
SPSS Syntax

recode age (16 thru 24=1) (25 thru 49=2) (50 thru 64 =3) (65 thru high=4) (else=-1) into
agegad1 .
VARIABLE LABELS agegad1 "(D) Age of respondent 16+, grouped into 4 groups".
VALUE LABELS agegad1
1 "16-24"
2 "25-49"
3 "50-64"
4 "65+ years".
```

AGEGAD2 (D) Age of respondent 16+, grouped into 5 groups.
> 1 16-18
> 2 19-34
> 3 35-49
> 4 50-64
> 5 65+ years

```
SPSS Syntax

RECODE age (16 thru 18=1) (19 thru 34=2) (35 thru 49=3) (50 thru 64=4) (65 thru high=5)
(else=-1) into agegad2.
VARIABLE LABELS agegad2 "(D) Age of respondent 16+, grouped into 5 groups".
VALUE LABELS agegad2
1 "16-18"
2 "19-34"
3 "35-49"
4 "50-64"
5 "65+ years".
```

AGEGCH1 (D) Age of respondent (8-15), grouped into 3 groups.
> 1 8-10
> 2 11-12
> 3 13-15

```
SPSS Syntax

recode age (8 thru 10=1) (11 thru 12=2) (13 thru 15=3) (else=-1) into agegch1 .
variable label agegch1  "(D) Age of respondent (8-15), grouped into 3 groups".
VALUE LABELS agegch1
1 "8-10"
2 "11-12"
3 "13-15".
```

AGEGUR (D) Detailed age groups for urine analysis

1   4-6
2   7-10
3   11-18
4   19-64
5   65+

```
SPSS Syntax

RECODE age (4 thru 6=1) (7 thru 10=2) (11 thru 18=3) (19 thru 64=4) (65 thru Highest=5)
(else=-1) INTO AgeGUr.
VARIABLE LABELS AgeGUr (D) Detailed age groups for urine analysis
VALUE LABELS AgeGUr
1 '4-6'
2 '7-10'
3 '11-18'
4 '19-64'
5 '65+ years'.
```

AGEGDIET (D) Detailed age groups for dietary analysis

1   11-15
2   16-24
3   25-49
4   50-64

```
SPSS Syntax

RECODE age (11 thru 15=1) (16 thru 24=2) (25 thru 49=3) (50 thru 64=4) (else=-1) INTO
AgeGDiet.
VARIABLE LABELS AgeGDiet (D) Detailed age groups for dietary analysis
VALUE LABELS AgeGDiet
1 '11-16'
2 '16-24'
3 '25-49'
4 '50-64'.
```

Admin

QUARTER (D) Quarter of fieldwork

1   Q1 Apr 14-Jun 14
2   Q2 Jul 14-Sep 14
3   Q3 Oct 14-Dec 14
4   Q4 Jan 15-Mar 15

```
SPSS Syntax
variable label quarter '(D) Quarter of fieldwork'.
value label quarter
 1 'Q1 Apr14 - Jun14'
 2 'Q2 Jul14 - Sep14'
 3 'Q3 Oct14 - Dec14'
 4 'Q4 Jan15 - Mar15'.
```

Education

QUAL7 (D) Qualifications gained, grouped

    1   Degree or equivalent
    2   Higher education, below degree level
    3   GCE, A level or equivalent
    4   GCSE grades A - C or equivalent
    5   GCSE grades D-G/Commercial qualifications/apprenticeship
    6   Foreign or other qualifications
    7   No qualifications
    8   Still in FT education

```
SPSS Syntax

RECODE qual (-9 thru -1 = COPY) (1 thru 4 = 1) (5 thru 8 = 2) (9 thru 22 = 3) (23 thru 35
= 4) (36 thru 46 = 5) (47 = 6) into qual7.
RECODE qualch (2 = 7) into qual7.
do if age>=16.
RECODE wrkstat (1=8) into qual7.
end if.
VARIABLE LABELS qual7 "(D) Qualifications gained, grouped".
VALUE LABELS qual7
1 "Degree or equivalent"
2 "Higher education, below degree level"
3 "GCE, A level or equivalent"
4 "GCSE grades A - C or equivalent"
5 "GCSE grades D-G/Commercial qualifications/apprenticeship"
6 "Foreign or other qualifications"
7 "No qualifications"
8 "Still in FT education".
```

Employment

NSSEC8 (D) NS-SEC grouped

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

```
SPSS Syntax

RECODE nssec (1 thru 3.4=1) (4 thru 6=2) (7 thru 7.4=3) (8 thru 9.2=4) (10 thru 11.2=5)
(12 thru 12.7=6) (13 thru 13.5=7) (14.1=8) (15 thru 17=99) (else=copy) into nssec8.
Variable labels nssec8 "(D) NS-SEC 8 variable classification (hrp)".
Value labels nssec8
 1 "Higher managerial and professional occupations"
 2 "Lower managerial and professional occupations"
 3 "Intermediate occupations"
 4 "Small employers and own account workers"
 5 "Lower supervisory and technical occupations"
 6 "Semi-routine occupations"
 7 "Routine occupations"
 8 "Never worked"
 99 "Other".
```
Note: there was not enough information in the questionnaire to have a specific NS-SEC code for long-term unemployed.

Ethnicity

ETHGR5 (D) Ethnic group, 5 groups

        1   White
        2   Mixed ethnic group
        3   Black or Black British
        4   Asian or Asian British
        5   Any other group

```
SPSS Syntax

recode ethgru (1=1) (2=2) (3 thru 6=4) (7 thru 9=3) (10 thru 11=5) into ethgr5.
Variable label ethgr5 "(D) Ethnic group, 5 groups".
value label ethgr5
1 'White'
2 'Mixed ethnic group'
3 'Black or Black British'
4 'Asian or asian British'
5 'Any other group'.
```

ETHGR2 (D) Ethnic group, 2 groups
    1   White
    2   Non-white

```
SPSS Syntax

recode ethgr5 (1=1) (2,3,4,5=2) into ethgr2 .
Variable label ethgr2 "(D) Ethnic group, 2 groups".
value label ethgr2
1 'White'
2 'Non-white' .
```

Income

MCCLEM: (D) McClements equivalence score

EQVINC: (D) Equivalised household income

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

The syntax to calculate the McClement score and equivalised income was run on each years dataset individually due to the changes in the relationship variables for each year. All 4 years of data can be ranked to calculate equivalised income cut offs (not provided in the core dataset).

Syntax to calculate married people in household for years 1 & 2 are the same (year 2 here as the example)
```
SPSS Syntax

GET FILE="F:\NDNS\Secure\Year 2\NDNSY2 HHold.sav".
missing values all ().
*** Year 1 does not include civil partners.
COUNT marryp = R01 R02 R03 R04 R05 R06 R07 R08 R09 R10 (1).
COUNT partp = R01 R02 R03 R04 R05 R06 R07 R08 R09 R10 (2).
compute married=marryp+partp.
VARIABLE LABELS married 'married/cohabiting people in Hhold' .
EXECUTE .
```

Syntax to calculate married people in household for years 3 & 8 are the same
```
SPSS Syntax


*** Number of married people in the household.
*** From year 4 includes married, partner/cohabiting and civil partners.
COUNT marryp = Rel01 Rel02 Rel03 Rel04 Rel05 Rel06 Rel07 Rel08 Rel09 Rel10 (1).
COUNT civilp = Rel01 Rel02 Rel03 Rel04 Rel05 Rel06 Rel07 Rel08 Rel09 Rel10 (2).
COUNT partp = Rel01 Rel02 Rel03 Rel04 Rel05 Rel06 Rel07 Rel08 Rel09 Rel10 (3).
compute married=marryp+civilp+partp.
VARIABLE LABELS married 'Number of married/cohabiting people in Hhold' .
EXECUTE .
```

Syntax to calculate the McClemens score and equivalised income are the same for each year (year 4 here as the example)

```
SPSS Syntax

* The variables for everyone's age must be consecutive in the file (as a requirement of
the vector command).
* Save the household file with the necessary variables in the correct order.
SAVE OUTFILE='F:\temp\Secure\NDNS\prepMcClemYr4.sav'
/KEEP hserial married dvage gridnum.

GET FILE='F:\temp\Secure\NDNS\prepMcClemYr4.sav'.
AGGREGATE OUTFILE='F:\temp\Secure\NDNS\aggHHYr4.sav'
 /BREAK=hserial
 /marry=MAX(married).

GET FILE='F:\temp\Secure\NDNS\prepMcClemYr4.sav'.

*** Counting all ADULTS (i.e. 19+) and generate age for each person.
VECTOR mccage(10).
LOOP xxi=1 to 10.
DO IF (gridnum=xxi).
COMPUTE mccage(xxi)=dvage.
END IF.
END LOOP.
exe.

save OUTFILE='F:\temp\Secure\NDNS\McCYr4x.sav'.

** Create 10 people files using a macro.
DEFINE mincfile ().
!DO !J=1 !TO 10.
!LET !vselect=!CONCAT(mccage,!J).
!LET !vfile=!QUOTE(!CONCAT("F:\temp\Secure\ndns\p",!J,".sav")).
GET FILE='F:\temp\Secure\NDNS\McCYr4x.sav'.
SELECT IF (!vselect=-9 | !vselect>=0).
SAVE OUTFILE=!vfile /KEEP=hserial !vselect.
!DOEND.
!ENDDEFINE.
MINCFILE.

** Merge all files together by serialh & save .
MATCH FILES
  /file='F:\temp\Secure\NDNS\p1.sav'
  /table='F:\temp\Secure\NDNS\p2.sav'
  /table='F:\temp\Secure\NDNS\p3.sav'
  /table='F:\temp\Secure\NDNS\p4.sav'
  /table='F:\temp\Secure\NDNS\p5.sav'
  /table='F:\temp\Secure\NDNS\p6.sav'
  /table='F:\temp\Secure\NDNS\p7.sav'
  /table='F:\temp\Secure\NDNS\p8.sav'
  /table='F:\temp\Secure\NDNS\p9.sav'
  /table='F:\temp\Secure\NDNS\p10.sav'
  /BY hserial.
EXECUTE.
match files
 /file=*
 /table='F:\temp\Secure\NDNS\aggHHYr4.sav'
 /by hserial.
EXECUTE.
SAVE OUTFILE='F:\temp\Secure\NDNS\McClemYr4.sav'
 /KEEP hserial marry
 mccage1 mccage2 mccage3 mccage4 mccage5 mccage6 mccage7 mccage8
 mccage9 mccage10.

get FILE='F:\temp\Secure\NDNS\McClemYr4.sav'.

compute adults=0.
VECTOR adult=mccage1 to mccage10.
LOOP xxi=1 to 10.
if (range(adult(xxi),19,150)) adults=adults+1.
end loop.
```

```
exe.

*** Set McClements score to 0.
compute mcclem=0.

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

*** Add scores for children (0-18).
VECTOR child=mccage1 to mccage10.
LOOP xxj=1 to 10.
if (range(child(xxj),0,1)) mcclem=mcclem+0.09.
if (range(child(xxj),2,4)) mcclem=mcclem+0.18.
if (range(child(xxj),5,7)) mcclem=mcclem+0.21.
if (range(child(xxj),8,10)) mcclem=mcclem+0.23.
if (range(child(xxj),11,12)) mcclem=mcclem+0.25.
if (range(child(xxj),13,15)) mcclem=mcclem+0.27.
if (range(child(xxj),16,18)) mcclem=mcclem+0.36.
end loop.
exe.

formats mcclem (F3.2).
variable label mcclem "(D) McClements equivalence score".

* mcclem=0.45.
* Household where this respondent is aged 18 years old with infant aged 0.
* Recode McClements score to make it as if they were 19+ plus the infant =0.70.
if range(mcclem,0.44,0.46) mcclem=0.70.
EXECUTE.

* mcclem=0.36.
* this is single-person households where this person is aged 18 years old.
* Recode McClements score to make it as if they were 19+.
do if mcclem=0.36.
recode mcclem (0.36=0.61).
end if.

* mcclem=0.54.
* These are single-parent households with a parent aged 18 years old and an child aged 2.
* Recode McClements score to make it as if the parent were 19+ with 2 year old child.
do if mcclem=0.54.
recode mcclem (0.54=0.79).
end if.

* mcclem=0.72.
* These are couples where both partners are aged 17-18 years old.
* Recode them to an adult couple.
recode mcclem (0.72=1) (else=copy).

sort cases by hserial (A).

SAVE OUTFILE='F:\temp\Secure\NDNS\McClemScoreYr4.sav'
/KEEP hserial mcclem.

*** To calculate equivalised income, need to divide hhold total income by McClements
score.
*** Need to get income variables from individual file.

get FILE='F:\NDNS\Secure\Year 4\NDNSYr4_clean.sav'
 /keep hserial hhinc.
SORT CASES by hserial.
AGGREGATE OUTFILE='F:\temp\Secure\NDNS\agg_incomeYr4.sav'
 /BREAK=hserial
 /HHincome=FIRST(hhinc).

match files
```

```
 /file='F:\temp\Secure\NDNS\agg_incomeYr4.sav'
 /file='F:\temp\Secure\NDNS\McClemScoreYr4.sav'
 /by hserial.
exe.

**calculate mid income as question asked of range.
FORMATS mcclem (F8.2).
COMPUTE midinc=-1.
RECODE hhincome
(1=2500)(2=7499.5)(3=12499.5)(4=17499.5)(5=22499.5)(6=27499.5)(7=32499.5)(8=37499.5)(9=42
499.5)(10=47499.5)(11=62499.5)(12=87499.5)(13=112499.5) into midinc.

COMPUTE eqvinc=-1.
if (midinc>0) eqvinc=midinc/mcclem.
exe.
```

Nurse admin

AGRNURSE (D) Whether agreed to nurse visit

  1   Agreed nurse visit
  2   Not agreed nurse visit

```
SPSS Syntax

recode nurse (1=1) (else=2) into AgrNurse.
variable label AgrNurse '(D) Whether agreed to nurse visit'.
value label AgrNurse
1 'Agreed nurse visit'
2 'Not agreed nurse visit'.
```

NVISIT (D) Whether visited by nurse

  1   Visited by nurse
  2   Not visited by nurse

```
SPSS Syntax

recode nuroutc (810=1) (else=2) into Nvisit.
variable label Nvisit '(D) Whether visited by nurse'.
value label NVisit
1 'Visited by nurse'
2 'Not visited by nurse'.
```

Sample

REGION (D) Country/region
- 1 England: North
- 2 England: Central/Midlands
- 3 England: South (incl. London)
- 4 Scotland
- 5 Wales
- 6 Northern Ireland

```
SPSS Syntax

recode gor (1 thru 3=1) (4,5=2) (6 thru 9=3) (11=4) (10=5) (12=6) into region.
variable label region "(D)Country/region".
value label region
1 'England: North'
2 'England: Central/Midlands'
3 'England: South (incl. London)'
4 'Scotland'
5 'Wales'
6 'Northern Ireland'.
```

Food avoidance

VEGETARN (D) Vegetarian, vegan or neither

    1   Vegetarian
    2   Vegan
    3   Neither vegetarian nor vegan

```
SPSS Syntax

compute vegetarn=3.
If veg=1 and vegechk=2 vegetarn=1.
If veg=2 and veganchk=2 vegetarn=2.
value label vegetarn
 1 "Vegetarian"
 2 "Vegan"
 3 "Neither" .
variable label vegetarn '(D) Vegetarian, vegan or neither'.
```

General health

Prescribed medicines: Drugs affecting blood analytes

DIUR (D) Diuretics (Blood pressure)

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

ACEINH: (D) Ace inhibitors (Blood pressure)

CALCIUMB: (D) Calcium blockers (Blood pressure)

OBPDRUG: (D) Other drugs affecting BP

LIPID: (D) Lipid lowering (Cholesterol/Fibrinogen)

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

BPMEDC: (D) Whether taking drugs affecting blood pressure

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

    0   Not taking drug

    1   Taking drug

NOTE: All derived variables in this Drugs subsection have the same value labels.

```
SPSS Syntax

DO REPEAT xxdrug=diur beta aceinh calciumb obpdrug lipid iron bpmedc bpmedd.
COMPUTE xxdrug=0.
RECODE medbi01(-9 thru -1=COPY) INTO xxdrug.
END REPEAT.
DO REPEAT xxcode=medbi01 to medbi22.
IF xxcode=0 diur=-9.
IF xxcode=0 beta=-9.
IF xxcode=0 aceinh=-9.
IF xxcode=0 calciumb=-9.
IF xxcode=0 iron=-9.
IF xxcode=0 lipid=-9.
IF xxcode=0 obpdrug=-9.
IF xxcode=0 bpmedc=-9.
IF xxcode=0 bpmedd=-9.
END REPEAT.
DO REPEAT xxcode=medbi01 to medbi22.
IF RANGE(xxcode,20201,20208) diur=1.
IF xxcode=20400 beta=1.
IF RANGE(xxcode, 020551, 020553) aceinh=1.
IF xxcode=20602 calciumb=1.
IF ANY(xxcode,20501,20502,20503,20504,20506) obpdrug=1.
IF ANY(xxcode,21200, 21201, 21202) lipid=1.
IF xxcode=90101 iron=1.
END REPEAT.
IF ANY(1,diur,beta,aceinh,calciumb,obpdrug) bpmedc=1.
COUNT xbpdrug=ytake12 ytake15 ytake18 ytake21 ytake24 ytake27 ytake30 ytake33
  ytake36 ytake39 ytake42 ytake45 ytake48 ytake51 ytake54 ytake57 ytake60
  ytake63 ytake66 ytake69 ytake72 ytake75 (1).
IF ANY(1,diur,beta,aceinh,calciumb,obpdrug) & xbpdrug>0 bpmedd=1.
VARIABLE LABELS diur "(D) Diuretics (Blood pressure)".
VARIABLE LABELS beta "(D) Beta blockers (Blood pressure/Fibrinogen)".
VARIABLE LABELS aceinh "(D) Ace inhibitors (Blood pressure)".
VARIABLE LABELS calciumb "(D) Calcium blockers (Blood pressure)".
VARIABLE LABELS obpdrug "(D) Other drugs affecting BP" .
VARIABLE LABELS lipid "(D) Lipid lowering (Cholesterol/Fibrinogen)" .
VARIABLE LABELS iron "(D) Iron deficiency (Haemoglobin/Ferritin)" .
VARIABLE LABELS bpmedc "(D) Whether taking drugs affecting blood pressure".
VARIABLE LABELS bpmedd "(D) Whether taking drugs prescribed for blood pressure".
VALUE LABELS diur beta aceinh calciumb obpdrug lipid iron bpmedc bpmedd
    0 'Not taking drug'
    1 'Taking drug'.
```

Smoking

Adult general

CIGSTA3 (D) Cigarette smoking status: Current/ex-reg/never-reg

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

```
SPSS Syntax

IF any(2,cigevr,smkevr) cigsta=3.
recode cigregu(1=2) (2,3=3) into cigsta3.
If cignow=1 cigsta3=1.
IF ANY(-9,smkevr,cignow,cigevr,cigregu) cigsta3=-9.
IF ANY(-8,smkevr,cignow,cigevr,cigregu) cigsta3=-8.
IF smkevr=-1 cigsta3=-1.
IF age<16 cigsta3=-1.
VARIABLE LABELS cigsta "(D) Cigarette smoking status: current/ex-reg/never-reg".
VALUE LABELS cigsta
  1 "Current cigarette smoker"
  2 "Ex-regular cigarette smoker"
  3 "Never regular cigarette smoker".
```

CIGST2 (D) Cigarette smoking status - banded current smokers

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

```
SPSS Syntax

RECODE cigdyal (-9=4)(-8=4)(-1=-1)(20 thru hi=3)(10 thru 20=2)(0 thru 10=1) INTO cigst2.
RECODE cignow (-9=-9)(-8=-8)(2=5) INTO cigst2.
RECODE smkevr (-9=-9)(-8=-8)(-1=-1)(2=5) INTO cigst2.
IF agep<16 cigst2=-1.
VARIABLE LABEL cigst2 "(D) Cigarette smoking status - banded current smokers".
VALUE LABELS cigst2
  1 "Light smokers, under 10 a day"
  2 "Moderate smokers, 10 to under 20 a day"
  3 "Heavy smokers, 20 or more a day"
  4 "Don't know number smoked a day"
  5 "Non-smoker".
```

Adult current smokers

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

```
SPSS Syntax

DO IF sctype=3.
IF cgwday>=0 & cgwend>=0 cigdyal=((4*cgwday)+(3*cgwend))/7.
ELSE.
IF cgwday>=0 & cgwend>=0 cigdyal=((5*cgwday)+(2*cgwend))/7.
END IF.
IF ANY(-9,cgwday,cgwend) cigdyal=-9.
IF ANY(-8,cgwday,cgwend) cigdyal=-8.
IF age<16 cigdyal=-1.
RECODE cignow(-9,-8,-1=COPY)(2=0) INTO cigdyal.
RECODE smkevr(-9,-8,-1=COPY)(2=0) INTO cigdyal.
RECODE cigevr(-9,-8=COPY)(2=0) INTO cigdyal.
VARIABLE LABELS cigdyal "(D) Number of cigarettes smoke a day - inc. non-smokers".
```

Children 8-15

KCIGREGG (D) Frequency of cigarette smoking (8-15s) (grouped)
1   Don't smoke cigarettes
2   Smoke cigarettes, less than once a week
3   Smoke cigarettes, once a week or more often

```
SPSS Syntax

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

Drinking

Adults general

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

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

```
SPSS Syntax

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

Adults 7 days

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

```
SPSS Syntax

compute d7many3=d7many.
if any(2,dnany,d7day) d7many3=0.
if dnoft3=8 d7many3=0.
variable labels d7many3 "(D) Number of days drank in last week, including none".
```

D7UNITWG (D) Units drunk on heaviest day in last 7

```
SPSS Syntax

compute norbot=0.
IF l7ncodeq>=0 norbot=l7ncodeq*2.5.
compute strbot=0.
IF l7scodeq>=0 strbot=l7scodeq*4.

COMPUTE d7unitwg=0.
IF (nberqhp7>0) d7unitwg=d7unitwg+nberqhp7.
IF (nberqsm7>0) d7unitwg=d7unitwg+nberqsm7*1.5.
IF (nberqlg7>0) d7unitwg=d7unitwg+nberqlg7*2.
IF (nberqbt7>0) d7unitwg=d7unitwg+nberqbt7*norbot.
IF (nberqpt7>0) d7unitwg=d7unitwg+nberqpt7*2.
IF (sberqhp7>0) d7unitwg=d7unitwg+sberqhp7*2.
IF (sberqpt7>0) d7unitwg=d7unitwg+sberqpt7*4.
IF (sberqsm7>0) d7unitwg=d7unitwg+sberqsm7*2.
IF (sberqbt7>0) d7unitwg=d7unitwg+sberqbt7*strbot.
IF (sberqlg7>0) d7unitwg=d7unitwg+sberqlg7*3.
IF (spirqme7>0) d7unitwg=d7unitwg+spirqme7.
IF (sherqgs7>0) d7unitwg=d7unitwg+sherqgs7.
IF (wgls250ml>0) d7unitwg=d7unitwg+wgls250ml*3.0.
IF (wgls175ml>0) d7unitwg=d7unitwg+wgls175ml*2.0.
IF (wgls125ml>0) d7unitwg=d7unitwg+wgls125ml*1.5.
IF (wbtlgz>0) d7unitwg=d7unitwg+wbtlgz*1.5.
IF (popsqsm7>0) d7unitwg=d7unitwg+popsqsm7*1.5.
IF ANY(-9,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7, sberqhp7,
sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) d7unitwg=-9.
IF ANY(-8,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7, sberqhp7,
sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) d7unitwg=-8.
IF ANY(-6,nberqhp7,nberqsm7,nberqlg7,nberqbt7,nberqpt7, sberqhp7,
sberqsm7,sberqlg7,sberqbt7,sberqpt7,spirqme7, sherqgs7,
wgls250ml,wgls175ml,wgls125ml,wl7bt, popsqsm7) d7unitwg=-6.
IF any(d7day,2,-1) d7unitwg=-1.
VARIABLE LABEL d7unitwg"(D) Units drunk on heaviest day in last 7".
```

D7UNITWGRP (D) Units drunk on heaviest day in last 7 (grouped)
  1   Up to and including 2
  2   Over 2 and up to (& including) 3
  3   Over 3 and up to (& including) 4
  4   Over 4 and up to (& including) 5
  5   Over 5 and up to (& including) 6
  6   Over 6 and up to (& including) 8
  7   Over 8+.

```
SPSS Syntax

recode d7unitwg (0 thru 2=1)(2 thru 3=2)(3 thru 4=3)(4 thru 5=4)(5 thru 6=5)(6 thru
8=6)(8 thru hi=7) (else=copy) into d7unitwgrp .
variable label d7unitwgrp "(D) Units drunk on heaviest day in last 7 (grouped)".
value labels d7unitwgrp
 1 "Up to and including 2"
 2 "Over 2 and up to (& including) 3"
 3 "Over 3 and up to (& including) 4"
 4 "Over 4 and up to (& including) 5"
 5 "Over 5 and up to (& including) 6"
 6 "Over 6 and up to (& including) 8"
 7 "Over 8+".
```

WDRINK07B (D) Women number of units drunk on heaviest day in last 7

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

```
SPSS Syntax

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

MDRINK07B (D) Men number of units drunk on heaviest day in last 7

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

```
SPSS Syntax

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

ALCLIMIT07B (D) Alcohol units – limits based on (variable D7UNITWGRP) units per day

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

```
SPSS Syntax

COMPUTE alclimit07B =-1.
if (mdrink07B=0) alclimit07B =0.
IF (mdrink07B=1) alclimit07B =1.
IF mdrink07B=2 alclimit07B =2.
IF mdrink07B=3 alclimit07B =3.
if (wdrink07B=0) alclimit07B =0.
IF (wdrink07B=1) alclimit07B =1.
IF wdrink07B=2 alclimit07B =2.
IF wdrink07B=3 alclimit07B =3.
if ((wdrink07B=-8|wdrink07B=-9|wdrink07B=-1) and (mdrink07B=-1|mdrink07B=-9|mdrink07B=-
8)) alclimit07B =-1.
VAR LAB alclimit07B "(D) Alcohol units - limits based on (variable d7unitwgrp ) units per
day".
VAL LAB alclimit07B
0 'None'
1 '<=4 units/day (men), <=3 (women)'
2 '>4 and <= 8 (men), >3 and less than or equal to 6 (women)'
3 'greater than 8 units (men), greater than 6 units (women)'.
```

Children 8-15

AEVDRINK (D) Ever had proper alcoholic drink, including alcopops (aged 8-15)

   1   Yes
   2   No

```
SPSS Syntax

compute aevdrink = adrprop.
IF adrpops = 1 aevdrink = 1.
var lab aevdrink '(D) Ever had proper alcoholic drink, including alcopops (aged 8-15)'.
val lab aevdrink
 1 'Yes'
 2 'No'
```

ADRFREQ (D) Frequency of drinking, including non-drinkers (aged 8-15)

1   Almost every day
2   About twice a week
3   About once a week
4   About once a fortnight
5   About once a month
6   Only a few times a year
7   Never drinks

```
SPSS Syntax

compute adrfreq = adrinkof.
IF (aevdrink = 2) and (adrinkof <0) adrfreq = 7.
var lab adrfreq '(D) Frequency of drinking alcohol, including non-drinkers (aged 8-15)'.
val lab adrfreq
 1 'Almost every day'
 2 'About twice a week'
 3 'About once a week'
 4 'About once a fortnight'
 5 'About once a month'
 6 'Only a few times a year'
 7 'Never drinks'
```

ADFREWK (D) Frequency of drinking (aged 8-15)

1   Once a week or more
2   About once a fortnight
3   About once a month
4   Only a few times a year
5   Never drinks

```
SPSS Syntax

Compute adfrewk = 0.
Recode adrfreq (1,2,3 = 1) (4=2) (5=3) (6=4) (7=5) (else=copy) into adfrewk.
var lab adfrewk '(D) Frequency of drinking, (aged 8-15)'.
val lab adfrewk
 1 'Once a week or more'
 2 'About once a fortnight'
 3 'About once a month'
 4 'Only a few times a year'
 5 'Never drinks'
```

Anthropometric measurements

Demi-span admin

MEASDS (D) Demi-span measured

- 1   Demi-span measured
- 2   Demi-span not measured
- 3   No nurse visit
- 4   Not eligible (less than 16 or 16-64 with valid height)

```
SPSS Syntax

recode spanint (1=1) (else=2) into measds .
If nuroutc<>810 measds=3.
if age<16 | (age>=16 & age<65 & (relhite=1 | relhite=2)) measds=4.
if span=-9 measds=2.
variable label measds '(D) demi-span measured'.
value label measds
1 'Demi-span measured'
2 'Demi-span not measured'
3 'No nurse visit'
4 'Not eligible (<16 or 16-64 with valid height)'.
```

SPANOK (D) Whether demi span measurements are valid

- 1   Usable 1st & 2nd measurements
- 2   Not useable: unreliable
- 3   Not useable: difference > 3.0cm
- 4   Refused
- 5   Unable to measure demi-span for other reason than refused
- 6   Only one measurement taken

```
SPSS Syntax

RECODE spanint (1=6)(2=4)(3=5) (-9,-8,-1=COPY) INTO spanok.
COMPUTE xxspan=abs(span-span2).
IF ANY(-8, span, span2) xxspan=-8.
IF ANY(-9, span, span2) xxspan=-9.
IF (spanint=1 & xxspan<=3.0 & spanrel=1 & spanrel2=1) spanok=1.
DO IF spanint=1 & xxspan>3.0.
COMPUTE spanok=3.
END IF.
DO IF spanint=1 & spanrel=2 | spanrel2=2.
COMPUTE spanok=2.
END IF.
IF ANY(-8, xxspan)spanok =-8.
IF ANY(-9, xxspan)spanok =-9 .
VARIABLE LABELS spanok "(D) Whether demi span measurements are valid".
VALUE LABELS spanok
 1 'Usable 1st & 2nd measurements'
 2 'Not useable: unreliable'
 3 'Not useable: difference > 3.0cm'
 4 'Refused'
 5 'Unable to measure demi-span for other reason than refused'
 6 'Only one measurement taken'.
```

SPANOK1 (D) Valid demi span grouped

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

```
SPSS Syntax

RECODE spanok (1=1) (2 thru 3=2) (4=3) (5=4) (6=2) (else=copy) into spanok1.
VAR LAB spanok1 '(D) Valid demi span grouped'.
VAL LAB spanok1
 1'Valid'
 2'Not usable'
 3'Refused'
 4'Attempted but not obtained'.
```

Height/weight/infant length admin

MEASINL (D) Infant length measured

1   Length measured
2   Length not measured
3   No nurse visit
4   Not eligible (aged 2+)

```
SPSS Syntax

recode lgthint (1=1) (else=2) into measinl.
If nuroutc<>810 measinl=3.
if age>=2 measinl=4.
if length=-9 measinl=2.
variable label measinl '(D) Infant length measured'.
value label measinl
1 'Length measured'
2 'Length not measured'
3 'No nurse visit'
4 'Not eligible (aged 2+)'.
```

LTOK (D) Whether infant length measurement is valid

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

```
SPSS Syntax

RECODE lgthint (1=1) (2=3) (3=5) (-1=-1) (-9=-9) INTO ltok.
If lgthrel=2 ltok=2.
If ynolgth=1 ltok=3.
If ynolgth=2 ltok=4.
If ynolgth=3 ltok=5.
VARIABLE LABELS ltok '(D) Whether infant length measurement is valid'.
VALUE LABELS ltok
 1 "Valid"
 2 "Not useable"
 3 "Refused"
 4 "Attempted but not obtained"
 5 "Not attempted"
```

MEASHEIG (D) Height measured

    1   Height measured
    2   Height not measured
    3   Not eligible (less than 2)

```
SPSS Syntax

recode resphts (1=1) (else=2) into measheig .
if age<2 measheig=3.
variable label measheig '(D) Height measured'.
value label measheig
1 'Height measured'
2 'Height not measured'
3 'Not eligible (less than 2)'.
```

HTOK (D) Whether height measure is valid

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

```
SPSS Syntax

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

MEASWEIG (D) Weight measured

    1   Weight measured
    2   Weight not measured

```
SPSS Syntax

recode respwts (0,1=1) (else=2) into measweig .
variable label measweig '(D) Weight measured'.
value label measweig
1 'Weight measured'
2 'Weight not measured'.
```

WTOK (D) Whether weight measurement is valid

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

```
SPSS Syntax

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

BMIOK (D) Whether bmi measure is valid

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

```
SPSS Syntax

IF any(1,ltok,htok) & wtok=1 bmiok=1.
IF ANY(2,ltok,htok,wtok) bmiok=2.
IF ANY(3,ltok,htok,wtok) bmiok=3.
IF ANY(4,ltok,htok,wtok) bmiok=4.
IF ANY(5,ltok,htok,wtok) bmiok=5.
IF wtok=-90 bmiok=-90.
IF htok=-1 & age>=2 bmiok=-1.
IF any(ltok,-1,-9) & age<2 bmiok=-1.
IF wtok=-1 bmiok=-1.
VARIABLE LABELS bmiok "(D) Whether bmi measure is valid".
VALUE LABELS bmiok
1 "Valid"
2 "Length/height/weight not usable"
3 "Length/height/weight refused"
4 "Length/height/weight attempted but not obtained"
5 "Length/height/weight not attempted"
-90 "Pregnant".
```

Mid upper arm circumference admin

MEASMUAC (D) MUAC measured

    1   MUAC measured
    2   MUAC not measured
    3   No nurse visit
    4   Not eligible (aged 1 or 16+)

```
SPSS Syntax

recode muacint (1=1) (else=2) into measmuac.
If nuroutc<>810 measmuac=3.
if age<2 | age>15 measmuac=4.
if cuparm=-9 measmuac=2.
variable label measMUAC '(D) MUAC measured'.
value label measMUAC
1 'MUAC measured'
2 'MUAC not measured'
3 'No nurse visit'
4 'Not eligible (aged 1 or 16+)'.
```

ARMOK (D) Whether arm circumference measurements are valid

1 Usable 1st & 2nd measurements
2 Usable 1st & 3rd measurements
3 Usable 2nd & 3rd measurements
4 Usable 1st & 2nd & 3rd measurements
5 Not useable: unreliable
6 Not useable: difference > 1.5cm
7 Refused
8 Attempted but not obtained

```
SPSS Syntax

RECODE cuprel (1=1) (2=0) (-9, -8, -1=COPY) INTO cuprela.
RECODE cuprel2 (1=1) (2=0) (-9, -8, -1=COPY) INTO cuprel2a.
RECODE cuprel3 (1=1) (2=0) (-9, -8, -1=COPY) INTO cuprel3a.
VAL LAB cuprela cuprel2a cuprel3a 1'YES' 0'NO' -1'Not applicable'.

COMPUTE armrel12 = (cuprela + cuprel2a).
COMPUTE armrel13 = (cuprela + cuprel3a).
COMPUTE armrel23 = (cuprel2a + cuprel3a).
VAL LAB armrel12 armrel13 armrel23
  1 'only one valid measurement'
  2 'two valid measurements'.

RECODE muacint (1=9)(2=7)(3=8)(ELSE=COPY) INTO armok.
COMPUTE xxac12=abs(cuparm-cuparm2).
COMPUTE xxac13=abs(cuparm-cuparm3).
COMPUTE xxac23=abs(cuparm2-cuparm3).
IF armok=9 & xxac12<=1.5 & armrel12=2 armok=1.
DO IF armok=9 & xxac12>1.5.
IF xxac13<=1.5 & armrel13=2 armok=2.
IF xxac23<=1.5 & armrel23=2 armok=3.
IF xxac13<=1.5 & xxac23<=1.5 & armrel13=2 & armrel23=2 armok=4.
END IF.
RECODE armok (9=5) (else=copy).
VARIABLE LABELS armok "(D) Whether arm circumference measurements are valid".
VALUE LABELS armok
 1 'Usable 1st & 2nd measurements'
 2 'Usable 1st & 3rd measurements'
 3 'Usable 2nd & 3rd measurements'
 4 'Usable 1st & 2nd & 3rd measurements'
 5 'Not useable: unreliable'
 6 'Not useable: difference > 1.5cm'
 7 'Refused'
 8 'Attempted but not obtained'.
```

Note: interim variables cuprela, cuprel2a, cuprel3a, armrell2, armrell3, armrel23 and those with the prefix xx are not included in the final data.

Waist/hip admin

MEASWH (D) Waist/Hip measured

  1   Waist/Hip measured
  2   Waist/Hip not measured
  3   No nurse visit
  4   Not eligible (less than 11 years old)

```
SPSS Syntax

recode respwh (1,2=1) (else=2) into measwh .
If nuroutc<>810 measinl=3.
if age<11 measwh=4.
if waist=-9 & hip=-9 measwh=2.
variable label measwh '(D) Waist/Hip measured'.
value label measwh
1 'Waist/Hip measured'
2 'Waist/Hip not measured'
3 'No nurse visit'
4 'Not eligible (less than 11 years old) '.
```

WSTOKB (D) Whether waist measurements are valid

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

```
SPSS Syntax

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

Note: interim variables (those with the prefix xx) are not included in the final data.

HIPOKB (D) Whether hip measurements are valid

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

```
SPSS Syntax

RECODE respwh (1=1)(2=7)(3=8)(4=9)(-1=COPY) INTO hipokb.
COMPUTE xxhip12=abs(hip-hip2).
COMPUTE xxhip13=abs(hip-hip3).
COMPUTE xxhip23=abs(hip2-hip3).
IF respwh=1 & xxhip12<=3 & any(hjrel,1,2,3) hipokb=1.
DO IF respwh=1 & xxwst12>3.
COMPUTE hipokb=6.
IF xxhip13<=3 hipokb=2.
IF xxhip23<=3 hipokb=3.
IF xxhip13<=3 & xxhip23<=3 hipokb=4.
END IF.
IF ANY(hjrel,4,-9) hipokb=5.
IF pregntj=1 hipokb=-90.
IF age<11 hipokb=-1.
VARIABLE LABELS hipokb "(D) Whether hip measurements are valid".
VALUE LABELS hipokb
 1 'Usable 1st & 2nd measurements'
 2 'Usable 1st & 3rd measurements'
 3 'Usable 2nd & 3rd measurements'
 4 'Usable 1st & 2nd & 3rd measurements'
 5 'Not useable: unreliable'
 6 'Not useable: difference > 3cm'
 7 'Partial response'
 8 'Refused'
 9 'Not attempted'
 -90 'Pregnant'
```

Note: interim variables (those with the prefix xx) are not included in the final data.

WHOKB (D) Whether waist/hip measurement is valid

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

```
SPSS Syntax

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

MEASWC (D) Waist circumference measured

    1   Waist circumference measured
    2   Waist circumference not measured
    3   No nurse visit
    4   Not eligible (less than 11 years old)

```
SPSS Syntax

recode Waist (0 thru 200=1) (else=2) into measwc.
if nuroutc<>810 measwc=3.
if age<11 measwc=4.
if waist=-9 measwc=2.
variable label measWC '(D) Waist circumference measured'.
value label measWC
1 'Waist circumference measured'
2 'Waist circumference not measured'
3 'No nurse visit'
4 'Not eligible (less than 11 years old)'.
```

Measurements

LGTHVAL (D) Valid infant length measurement (cm)

```
SPSS Syntax

COMPUTE lgthval=-1.
If ltok=1 lgthval=length.
VARIABLE LABELS lgthval '(D) Valid infant length measurement(cm)'.
```

HTVAL (D) Valid height measurement (cm)

```
SPSS Syntax

COMPUTE htval=-1.
If htok=1 htval=height.
VARIABLE LABELS htval '(D) Valid height measurement(cm)'.
```

WTVAL (D) Valid weight measurement (Kg)

```
SPSS Syntax

COMPUTE wtval=-1.
If wtok=1 wtval=weight.
VARIABLE LABELS wtval '(D) Valid weight measurement (Kg)'.
```

BMI (D) BMI – inc unreliable measurements

```
SPSS Syntax

COMPUTE bmi=-1.
IF height>0 & weight>0 bmi=(weight*100*100)/(height*height).
IF length<>999.9 & length>0 & weight>0 bmi=(weight*100*100)/(length*length).
format bmi (F3.2).
VARIABLE LABELS bmi "(D) BMI - inc unreliable measurements".
```

BMIVAL (D) Valid BMI measurement

```
SPSS Syntax

COMPUTE BMIval=-1.
If BMIok=1 bmival=bmi.
VARIABLE LABELS bmival '(D) Valid BMI measurement'.
```

BMIVG5 (D) Adults valid BMI grouped (<18.5,18.5-25,25-30,30-40, 40+)
   1   Under 18.5
   2   18.5 and below 25
   3   25 and below 30
   4   30 and below 40
   5   Over 40

BMIWHO (D) Children 2-3 BMI WHO 2007 standards (85th/95th centile)

1　Normal-weight
2　Over-weight
3　Obese

```
IF sex= 1 AND (intexagem>= 28 AND intexagem<29) AND (bmival>= 17.234 AND bmival<18.12)
bmiwho=2.
IF sex= 1 AND (intexagem>= 29 AND intexagem<30) AND (bmival>= 17.195 AND bmival<18.077)
bmiwho=2.
IF sex= 1 AND (intexagem>= 30 AND intexagem<31) AND (bmival>= 17.157 AND bmival<18.036)
bmiwho=2.
IF sex= 1 AND (intexagem>= 31 AND intexagem<32) AND (bmival>= 17.12 AND bmival<17.996)
bmiwho=2.
IF sex= 1 AND (intexagem>= 32 AND intexagem<33) AND (bmival>= 17.085 AND bmival<17.958)
bmiwho=2.
IF sex= 1 AND (intexagem>= 33 AND intexagem<34) AND (bmival>= 17.05 AND bmival<17.921)
bmiwho=2.
IF sex= 1 AND (intexagem>= 34 AND intexagem<35) AND (bmival>= 17.016 AND bmival<17.886)
bmiwho=2.
IF sex= 1 AND (intexagem>= 35 AND intexagem<36) AND (bmival>= 16.984 AND bmival<17.853)
bmiwho=2.
IF sex= 1 AND (intexagem>= 36 AND intexagem<37) AND (bmival>= 16.953 AND bmival<17.821)
bmiwho=2.
IF sex= 1 AND (intexagem>= 37 AND intexagem<38) AND (bmival>= 16.924 AND bmival<17.791)
bmiwho=2.
IF sex= 1 AND (intexagem>= 38 AND intexagem<39) AND (bmival>= 16.896 AND bmival<17.763)
bmiwho=2.
IF sex= 1 AND (intexagem>= 39 AND intexagem<40) AND (bmival>= 16.87 AND bmival<17.738)
bmiwho=2.
IF sex= 1 AND (intexagem>= 40 AND intexagem<41) AND (bmival>= 16.846 AND bmival<17.715)
bmiwho=2.
IF sex= 1 AND (intexagem>= 41 AND intexagem<42) AND (bmival>= 16.825 AND bmival<17.695)
bmiwho=2.
IF sex= 1 AND (intexagem>= 42 AND intexagem<43) AND (bmival>= 16.805 AND bmival<17.678)
bmiwho=2.
IF sex= 1 AND (intexagem>= 43 AND intexagem<44) AND (bmival>= 16.787 AND bmival<17.663)
bmiwho=2.
IF sex= 1 AND (intexagem>= 44 AND intexagem<45) AND (bmival>= 16.771 AND bmival<17.65)
bmiwho=2.
IF sex= 1 AND (intexagem>= 45 AND intexagem<46) AND (bmival>= 16.757 AND bmival<17.639)
bmiwho=2.
IF sex= 1 AND (intexagem>= 46 AND intexagem<47) AND (bmival>= 16.744 AND bmival<17.631)
bmiwho=2.
IF sex= 1 AND (intexagem>= 47 AND intexagem<48) AND (bmival>= 16.732 AND bmival<17.623)
bmiwho=2.

*Obese.

IF sex= 1 AND (intexagem>= 24 AND intexagem<25) AND (bmival>= 17.982 )bmiwho=3.
IF sex= 1 AND (intexagem>= 25 AND intexagem<26) AND (bmival>= 18.257 )bmiwho=3.
IF sex= 1 AND (intexagem>= 26 AND intexagem<27) AND (bmival>= 18.21 )bmiwho=3.
IF sex= 1 AND (intexagem>= 27 AND intexagem<28) AND (bmival>= 18.164 )bmiwho=3.
IF sex= 1 AND (intexagem>= 28 AND intexagem<29) AND (bmival>= 18.12 )bmiwho=3.
IF sex= 1 AND (intexagem>= 29 AND intexagem<30) AND (bmival>= 18.077 )bmiwho=3.
IF sex= 1 AND (intexagem>= 30 AND intexagem<31) AND (bmival>= 18.036 )bmiwho=3.
IF sex= 1 AND (intexagem>= 31 AND intexagem<32) AND (bmival>= 17.996 )bmiwho=3.
IF sex= 1 AND (intexagem>= 32 AND intexagem<33) AND (bmival>= 17.958 )bmiwho=3.
IF sex= 1 AND (intexagem>= 33 AND intexagem<34) AND (bmival>= 17.921 )bmiwho=3.
IF sex= 1 AND (intexagem>= 34 AND intexagem<35) AND (bmival>= 17.886 )bmiwho=3.
IF sex= 1 AND (intexagem>= 35 AND intexagem<36) AND (bmival>= 17.853 )bmiwho=3.
IF sex= 1 AND (intexagem>= 36 AND intexagem<37) AND (bmival>= 17.821 )bmiwho=3.
IF sex= 1 AND (intexagem>= 37 AND intexagem<38) AND (bmival>= 17.791 )bmiwho=3.
IF sex= 1 AND (intexagem>= 38 AND intexagem<39) AND (bmival>= 17.763 )bmiwho=3.
IF sex= 1 AND (intexagem>= 39 AND intexagem<40) AND (bmival>= 17.738 )bmiwho=3.
IF sex= 1 AND (intexagem>= 40 AND intexagem<41) AND (bmival>= 17.715 )bmiwho=3.
IF sex= 1 AND (intexagem>= 41 AND intexagem<42) AND (bmival>= 17.695 )bmiwho=3.
IF sex= 1 AND (intexagem>= 42 AND intexagem<43) AND (bmival>= 17.678 )bmiwho=3.
IF sex= 1 AND (intexagem>= 43 AND intexagem<44) AND (bmival>= 17.663 )bmiwho=3.
IF sex= 1 AND (intexagem>= 44 AND intexagem<45) AND (bmival>= 17.65 )bmiwho=3.
IF sex= 1 AND (intexagem>= 45 AND intexagem<46) AND (bmival>= 17.639 )bmiwho=3.
IF sex= 1 AND (intexagem>= 46 AND intexagem<47) AND (bmival>= 17.631 )bmiwho=3.
IF sex= 1 AND (intexagem>= 47 AND intexagem<48) AND (bmival>= 17.623 )bmiwho=3.

* Girls thresold.

IF sex= 2 AND (intexagem>= 24 AND intexagem<25) AND bmival< 16.873 bmiwho=1.
```

```
IF sex= 2 AND (intexagem>= 25 AND intexagem<26) AND bmival< 17.131 bmiwho=1.
IF sex= 2 AND (intexagem>= 26 AND intexagem<27) AND bmival< 17.1 bmiwho=1.
IF sex= 2 AND (intexagem>= 27 AND intexagem<28) AND bmival< 17.07 bmiwho=1.
IF sex= 2 AND (intexagem>= 28 AND intexagem<29) AND bmival< 17.041 bmiwho=1.
IF sex= 2 AND (intexagem>= 29 AND intexagem<30) AND bmival< 17.013 bmiwho=1.
IF sex= 2 AND (intexagem>= 30 AND intexagem<31) AND bmival< 16.986 bmiwho=1.
IF sex= 2 AND (intexagem>= 31 AND intexagem<32) AND bmival< 16.96 bmiwho=1.
IF sex= 2 AND (intexagem>= 32 AND intexagem<33) AND bmival< 16.936 bmiwho=1.
IF sex= 2 AND (intexagem>= 33 AND intexagem<34) AND bmival< 16.913 bmiwho=1.
IF sex= 2 AND (intexagem>= 34 AND intexagem<35) AND bmival< 16.893 bmiwho=1.
IF sex= 2 AND (intexagem>= 35 AND intexagem<36) AND bmival< 16.875 bmiwho=1.
IF sex= 2 AND (intexagem>= 36 AND intexagem<37) AND bmival< 16.86 bmiwho=1.
IF sex= 2 AND (intexagem>= 37 AND intexagem<38) AND bmival< 16.847 bmiwho=1.
IF sex= 2 AND (intexagem>= 38 AND intexagem<39) AND bmival< 16.837 bmiwho=1.
IF sex= 2 AND (intexagem>= 39 AND intexagem<40) AND bmival< 16.829 bmiwho=1.
IF sex= 2 AND (intexagem>= 40 AND intexagem<41) AND bmival< 16.824 bmiwho=1.
IF sex= 2 AND (intexagem>= 41 AND intexagem<42) AND bmival< 16.82 bmiwho=1.
IF sex= 2 AND (intexagem>= 42 AND intexagem<43) AND bmival< 16.817 bmiwho=1.
IF sex= 2 AND (intexagem>= 43 AND intexagem<44) AND bmival< 16.816 bmiwho=1.
IF sex= 2 AND (intexagem>= 44 AND intexagem<45) AND bmival< 16.816 bmiwho=1.
IF sex= 2 AND (intexagem>= 45 AND intexagem<46) AND bmival< 16.817 bmiwho=1.
IF sex= 2 AND (intexagem>= 46 AND intexagem<47) AND bmival< 16.819 bmiwho=1.
IF sex= 2 AND (intexagem>= 47 AND intexagem<48) AND bmival< 16.822 bmiwho=1.


*overweight.

IF sex= 2 AND (intexagem>= 24 AND intexagem<25) AND (bmival>= 16.873 AND bmival<17.842)
bmiwho=2.
IF sex= 2 AND (intexagem>= 25 AND intexagem<26) AND (bmival>= 17.131 AND bmival<18.099)
bmiwho=2.
IF sex= 2 AND (intexagem>= 26 AND intexagem<27) AND (bmival>= 17.1 AND bmival<18.066)
bmiwho=2.
IF sex= 2 AND (intexagem>= 27 AND intexagem<28) AND (bmival>= 17.07 AND bmival<18.033)
bmiwho=2.
IF sex= 2 AND (intexagem>= 28 AND intexagem<29) AND (bmival>= 17.041 AND bmival<18.003)
bmiwho=2.
IF sex= 2 AND (intexagem>= 29 AND intexagem<30) AND (bmival>= 17.013 AND bmival<17.973)
bmiwho=2.
IF sex= 2 AND (intexagem>= 30 AND intexagem<31) AND (bmival>= 16.986 AND bmival<17.945)
bmiwho=2.
IF sex= 2 AND (intexagem>= 31 AND intexagem<32) AND (bmival>= 16.96 AND bmival<17.918)
bmiwho=2.
IF sex= 2 AND (intexagem>= 32 AND intexagem<33) AND (bmival>= 16.936 AND bmival<17.893)
bmiwho=2.
IF sex= 2 AND (intexagem>= 33 AND intexagem<34) AND (bmival>= 16.913 AND bmival<17.871)
bmiwho=2.
IF sex= 2 AND (intexagem>= 34 AND intexagem<35) AND (bmival>= 16.893 AND bmival<17.851)
bmiwho=2.
IF sex= 2 AND (intexagem>= 35 AND intexagem<36) AND (bmival>= 16.875 AND bmival<17.835)
bmiwho=2.
IF sex= 2 AND (intexagem>= 36 AND intexagem<37) AND (bmival>= 16.86 AND bmival<17.823)
bmiwho=2.
IF sex= 2 AND (intexagem>= 37 AND intexagem<38) AND (bmival>= 16.847 AND bmival<17.813)
bmiwho=2.
IF sex= 2 AND (intexagem>= 38 AND intexagem<39) AND (bmival>= 16.837 AND bmival<17.808)
bmiwho=2.
IF sex= 2 AND (intexagem>= 39 AND intexagem<40) AND (bmival>= 16.829 AND bmival<17.805)
bmiwho=2.
IF sex= 2 AND (intexagem>= 40 AND intexagem<41) AND (bmival>= 16.824 AND bmival<17.806)
bmiwho=2.
IF sex= 2 AND (intexagem>= 41 AND intexagem<42) AND (bmival>= 16.82 AND bmival<17.808)
bmiwho=2.
IF sex= 2 AND (intexagem>= 42 AND intexagem<43) AND (bmival>= 16.817 AND bmival<17.812)
bmiwho=2.
IF sex= 2 AND (intexagem>= 43 AND intexagem<44) AND (bmival>= 16.816 AND bmival<17.819)
bmiwho=2.
IF sex= 2 AND (intexagem>= 44 AND intexagem<45) AND (bmival>= 16.816 AND bmival<17.826)
bmiwho=2.
IF sex= 2 AND (intexagem>= 45 AND intexagem<46) AND (bmival>= 16.817 AND bmival<17.834)
bmiwho=2.
```

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IF sex= 2 AND (intexagem>= 46 AND intexagem<47) AND (bmival>= 16.819 AND bmival<17.844)
bmiwho=2.
IF sex= 2 AND (intexagem>= 47 AND intexagem<48) AND (bmival>= 16.822 AND bmival<17.854)
bmiwho=2.

*obese.
IF sex= 2 AND (intexagem>= 24 AND intexagem<25) AND (bmival>= 17.842 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 25 AND intexagem<26) AND (bmival>= 18.099 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 26 AND intexagem<27) AND (bmival>= 18.066 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 27 AND intexagem<28) AND (bmival>= 18.033 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 28 AND intexagem<29) AND (bmival>= 18.003 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 29 AND intexagem<30) AND (bmival>= 17.973 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 30 AND intexagem<31) AND (bmival>= 17.945 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 31 AND intexagem<32) AND (bmival>= 17.918 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 32 AND intexagem<33) AND (bmival>= 17.893 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 33 AND intexagem<34) AND (bmival>= 17.871 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 34 AND intexagem<35) AND (bmival>= 17.851 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 35 AND intexagem<36) AND (bmival>= 17.835 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 36 AND intexagem<37) AND (bmival>= 17.823 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 37 AND intexagem<38) AND (bmival>= 17.813 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 38 AND intexagem<39) AND (bmival>= 17.808 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 39 AND intexagem<40) AND (bmival>= 17.805 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 40 AND intexagem<41) AND (bmival>= 17.806 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 41 AND intexagem<42) AND (bmival>= 17.808 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 42 AND intexagem<43) AND (bmival>= 17.812 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 43 AND intexagem<44) AND (bmival>= 17.819 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 44 AND intexagem<45) AND (bmival>= 17.826 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 45 AND intexagem<46) AND (bmival>= 17.834 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 46 AND intexagem<47) AND (bmival>= 17.844 ) bmiwho=3.
IF sex= 2 AND (intexagem>= 47 AND intexagem<48) AND (bmival>= 17.854 ) bmiwho=3.
exe.

VAR LAB bmiwho '(D) Children 2-3 BMI WHO 2007 standards (85th/95th centile)'.
value labels bmiwho
1 'Normal-weight'
2 'Over-weight'
3 'Obese'.
exe.

IF bmiok<>1 bmiwho=-1.
if age<2 or age>=4 bmiwho=-1.
exe.
```

BMICAT418 (D) Age 4-18.9 Childrens BMI standards (85th/95th centile) using UK90

1   Normal-weight
2   Over-weight
3   Obese

```
SPSS Syntax

compute bmicat418=0.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND bmival<17.13 bmicat418=1.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND bmival<17.23 bmicat418=1.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND bmival<17.01 bmicat418=1.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND bmival<17.17 bmicat418=1.

IF sex=1 AND  (intexage>=5 AND intexage<5.50) AND bmival<16.96 bmicat418=1.
IF sex=2 AND  (intexage>=5 AND intexage<5.50) AND bmival<17.16 bmicat418=1.
IF sex=1 AND  (intexage>=5.50 AND intexage<6) AND bmival<16.96 bmicat418=1.
IF sex=2 AND  (intexage>=5.50 AND intexage<6) AND bmival<17.21 bmicat418=1.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND bmival<17.01 bmicat418=1.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND bmival<17.32 bmicat418=1.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND bmival<17.10 bmicat418=1.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND bmival<17.49 bmicat418=1.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND bmival<17.24 bmicat418=1.
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IF sex=2 AND (intexage>=7 AND intexage<7.50) AND bmival<17.71 bmicat418=1.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND bmival<17.41 bmicat418=1.
IF sex=2 AND  (intexage>=7.50 AND intexage<8) AND bmival<17.96 bmicat418=1.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND bmival<17.61 bmicat418=1.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND bmival<18.23 bmicat418=1.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND bmival<17.83 bmicat418=1.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND bmival<18.52 bmicat418=1.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND bmival<18.08 bmicat418=1.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND bmival<18.82 bmicat418=1.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND bmival<18.35 bmicat418=1.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND bmival<19.15 bmicat418=1.

IF sex=1 AND (intexage>=10 AND intexage<10.50)  AND bmival<18.64 bmicat418=1.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND bmival<19.49 bmicat418=1.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND bmival<18.94 bmicat418=1.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND bmival<19.85 bmicat418=1.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND bmival<19.26 bmicat418=1.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND bmival<20.22 bmicat418=1.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND bmival<19.59 bmicat418=1.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND bmival<20.60 bmicat418=1.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND bmival<19.93 bmicat418=1.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND bmival<20.98 bmicat418=1.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND bmival<20.29 bmicat418=1.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND bmival<21.37 bmicat418=1.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND bmival<20.65 bmicat418=1.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND bmival<21.74 bmicat418=1.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND bmival<21.02 bmicat418=1.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND bmival<22.10 bmicat418=1.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND bmival<21.39 bmicat418=1.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND bmival<22.45 bmicat418=1.
IF sex=1 AND (intexage>=14.50 AND intexage<15)  AND bmival<21.76 bmicat418=1.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND bmival<22.77 bmicat418=1.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND bmival<22.12 bmicat418=1.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND bmival<23.08 bmicat418=1.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND bmival<22.48 bmicat418=1.
IF sex=2 AND (intexage>=15.50 AND intexage<16)  AND bmival<23.35 bmicat418=1.

IF sex=1 AND (intexage>=16 AND intexage<16.50) AND (bmival<22.82) bmicat418=1.
IF sex=2 AND (intexage>=16 AND intexage<16.50) AND (bmival<23.61) bmicat418=1.
IF sex=1 AND (intexage>=16.50 AND intexage<17) AND (bmival<23.15) bmicat418=1.
IF sex=2 AND (intexage>=16.50 AND intexage<17) AND (bmival<23.84) bmicat418=1.

IF sex=1 AND (intexage>=17 AND intexage<17.50) AND (bmival<23.46) bmicat418=1.
IF sex=2 AND (intexage>=17 AND intexage<17.50) AND (bmival<24.06) bmicat418=1.
IF sex=1 AND (intexage>=17.50 AND intexage<18) AND (bmival<23.76 ) bmicat418=1.
IF sex=2 AND (intexage>=17.50 AND intexage<18) AND (bmival<24.25) bmicat418=1.

IF sex=1 AND (intexage>=18 AND intexage<18.50) AND (bmival<24.05) bmicat418=1.
IF sex=2 AND (intexage>=18 AND intexage<18.50) AND (bmival<24.43) bmicat418=1.
IF sex=1 AND (intexage>=18.50 AND intexage<19) AND (bmival<24.32) bmicat418=1.
IF sex=2 AND (intexage>=18.50 AND intexage<19) AND (bmival<24.60) bmicat418=1.

*Overweight.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND (bmival>=17.13 AND bmival<18.08)
bmicat418=2.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND (bmival>=17.23 AND bmival<18.32)
bmicat418=2.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.01 AND bmival<17.97)
bmicat418=2.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.17 AND bmival<18.31)
bmicat418=2.
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IF sex=1 AND (intexage>=5 AND intexage<5.50) AND (bmival>=16.96 AND bmival<17.95 )
bmicat418=2.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND (bmival>=17.16 AND bmival<18.35)
bmicat418=2.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND (bmival>=16.96 AND bmival<17.99)
bmicat418=2.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND (bmival>=17.21 AND bmival<18.46)
bmicat418=2.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND (bmival>=17.01 AND bmival<18.10)
bmicat418=2.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND (bmival>=17.32 AND bmival<18.65)
bmicat418=2.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND (bmival>=17.10 AND bmival<18.26)
bmicat418=2.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND (bmival>=17.49 AND bmival<18.91)
bmicat418=2.

IF sex=1 AND (intexage>=7 AND intexage<7.50) AND (bmival>=17.24 AND bmival<18.48)
bmicat418=2.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND (bmival>=17.71 AND bmival<19.22)
bmicat418=2.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND (bmival>=17.41 AND bmival<18.74)
bmicat418=2.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND (bmival>=17.96 AND bmival<19.56)
bmicat418=2.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND (bmival>=17.61 AND bmival<19.04 )
bmicat418=2.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND (bmival>=18.23 AND bmival<19.93)
bmicat418=2.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND (bmival>=17.83 AND bmival<19.36)
bmicat418=2.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND (bmival>=18.52 AND bmival<20.30 )
bmicat418=2.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND (bmival>=18.08 AND bmival<19.70 )
bmicat418=2.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND (bmival>=18.82 AND bmival<20.70)
bmicat418=2.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND (bmival>=18.35 AND bmival<20.05)
bmicat418=2.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND (bmival>=19.15 AND bmival<21.10)
bmicat418=2.

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND (bmival>=18.64 AND bmival<20.42 )
bmicat418=2.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND (bmival>=19.49 AND bmival<21.52)
bmicat418=2.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND (bmival>=18.94 AND bmival<20.79)
bmicat418=2.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND (bmival>=19.85 AND bmival<21.94)
bmicat418=2.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND (bmival>=19.26 AND bmival<21.18 )
bmicat418=2.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND (bmival>=20.22 AND bmival<22.36)
bmicat418=2.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND (bmival>=19.59 AND bmival<21.57)
bmicat418=2.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND (bmival>=20.60 AND bmival<22.80 )
bmicat418=2.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND (bmival>=19.93 AND bmival<21.96 )
bmicat418=2.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND (bmival>=20.98 AND bmival<23.22)
bmicat418=2.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND (bmival>=20.29 AND bmival<22.36)
bmicat418=2.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND (bmival>=21.37 AND bmival<23.65 )
bmicat418=2.
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IF sex=1 AND (intexage>=13 AND intexage<13.50) AND (bmival>=20.65 AND bmival<22.77 )
bmicat418=2.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND (bmival>=21.74 AND bmival<24.06)
bmicat418=2.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND (bmival>=21.02 AND bmival<23.17)
bmicat418=2.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND (bmival>=22.10 AND bmival<24.45 )
bmicat418=2.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND (bmival>=21.39 AND bmival<23.58)
bmicat418=2.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND (bmival>=22.45 AND bmival<24.82)
bmicat418=2.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND (bmival>=21.76 AND bmival<23.97)
bmicat418=2.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND (bmival>=22.77 AND bmival<25.16)
bmicat418=2.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND (bmival>=22.12 AND bmival<24.36)
bmicat418=2.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND (bmival>=23.08 AND bmival<25.49)
bmicat418=2.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND (bmival>=22.48 AND bmival<24.74)
bmicat418=2.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND (bmival>=23.35 AND bmival<25.78 )
bmicat418=2.

IF sex=1 AND (intexage>=16 AND intexage<16.50) AND (bmival>=22.82 AND bmival<25.09)
bmicat418=2.
IF sex=2 AND (intexage>=16 AND intexage<16.50) AND (bmival>=23.61 AND bmival<26.05)
bmicat418=2.
IF sex=1 AND (intexage>=16.50 AND intexage<17) AND (bmival>=23.15 AND bmival<25.44)
bmicat418=2.
IF sex=2 AND (intexage>=16.50 AND intexage<17) AND (bmival>=23.84 AND bmival<26.29)
bmicat418=2.

IF sex=1 AND (intexage>=17 AND intexage<17.50) AND (bmival>=23.46 AND bmival<25.77)
bmicat418=2.
IF sex=2 AND (intexage>=17 AND intexage<17.50) AND (bmival>=24.06 AND bmival<26.52)
bmicat418=2.
IF sex=1 AND (intexage>=17.50 AND intexage<18) AND (bmival>=23.76 AND bmival<26.08)
bmicat418=2.
IF sex=2 AND (intexage>=17.50 AND intexage<18) AND (bmival>=24.25 AND bmival<26.72)
bmicat418=2.

IF sex=1 AND (intexage>=18 AND intexage<18.50) AND (bmival>=24.05 AND bmival<26.37)
bmicat418=2.
IF sex=2 AND (intexage>=18 AND intexage<18.50) AND (bmival>=24.43 AND bmival<26.91)
bmicat418=2.
IF sex=1 AND (intexage>=18.50 AND intexage<19) AND (bmival>=24.32 AND bmival<26.65)
bmicat418=2.
IF sex=2 AND (intexage>=18.50 AND intexage<19) AND (bmival>=24.60 AND bmival<27.08)
bmicat418=2.

*obesity*.

IF sex=1 AND (intexage>=4 AND intexage<4.50) AND (bmival>=18.08) bmicat418=3.
IF sex=2 AND (intexage>=4 AND intexage<4.50) AND (bmival>=18.32) bmicat418=3.
IF sex=1 AND (intexage>=4.50 AND intexage<5) AND (bmival>=17.97) bmicat418=3.
IF sex=2 AND (intexage>=4.50 AND intexage<5) AND (bmival>=18.31) bmicat418=3.

IF sex=1 AND (intexage>=5 AND intexage<5.50) AND (bmival>=17.95) bmicat418=3.
IF sex=2 AND (intexage>=5 AND intexage<5.50) AND (bmival>=18.35) bmicat418=3.
IF sex=1 AND (intexage>=5.50 AND intexage<6) AND (bmival>=17.99) bmicat418=3.
IF sex=2 AND (intexage>=5.50 AND intexage<6) AND (bmival>=18.46) bmicat418=3.

IF sex=1 AND (intexage>=6 AND intexage<6.50) AND (bmival>=18.10) bmicat418=3.
IF sex=2 AND (intexage>=6 AND intexage<6.50) AND (bmival>=18.65) bmicat418=3.
IF sex=1 AND (intexage>=6.50 AND intexage<7) AND (bmival>=18.26) bmicat418=3.
IF sex=2 AND (intexage>=6.50 AND intexage<7) AND (bmival>=18.91) bmicat418=3.
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IF sex=1 AND (intexage>=7 AND intexage<7.50) AND (bmival>=18.48) bmicat418=3.
IF sex=2 AND (intexage>=7 AND intexage<7.50) AND (bmival>=19.22) bmicat418=3.
IF sex=1 AND (intexage>=7.50 AND intexage<8) AND (bmival>=18.74) bmicat418=3.
IF sex=2 AND (intexage>=7.50 AND intexage<8) AND (bmival>=19.56) bmicat418=3.

IF sex=1 AND (intexage>=8 AND intexage<8.50) AND (bmival>=19.04) bmicat418=3.
IF sex=2 AND (intexage>=8 AND intexage<8.50) AND (bmival>=19.93) bmicat418=3.
IF sex=1 AND (intexage>=8.50 AND intexage<9) AND (bmival>=19.36) bmicat418=3.
IF sex=2 AND (intexage>=8.50 AND intexage<9) AND (bmival>=20.30) bmicat418=3.

IF sex=1 AND (intexage>=9 AND intexage<9.50) AND (bmival>=19.70) bmicat418=3.
IF sex=2 AND (intexage>=9 AND intexage<9.50) AND (bmival>=20.70) bmicat418=3.
IF sex=1 AND (intexage>=9.50 AND intexage<10) AND (bmival>=20.05) bmicat418=3.
IF sex=2 AND (intexage>=9.50 AND intexage<10) AND (bmival>=21.10) bmicat418=3.

IF sex=1 AND (intexage>=10 AND intexage<10.50) AND (bmival>=20.42) bmicat418=3.
IF sex=2 AND (intexage>=10 AND intexage<10.50) AND (bmival>=21.52) bmicat418=3.
IF sex=1 AND (intexage>=10.50 AND intexage<11) AND (bmival>=20.79) bmicat418=3.
IF sex=2 AND (intexage>=10.50 AND intexage<11) AND (bmival>=21.94) bmicat418=3.

IF sex=1 AND (intexage>=11 AND intexage<11.50) AND (bmival>=21.18) bmicat418=3.
IF sex=2 AND (intexage>=11 AND intexage<11.50) AND (bmival>=22.36) bmicat418=3.
IF sex=1 AND (intexage>=11.50 AND intexage<12) AND (bmival>=21.57) bmicat418=3.
IF sex=2 AND (intexage>=11.50 AND intexage<12) AND (bmival>=22.80) bmicat418=3.

IF sex=1 AND (intexage>=12 AND intexage<12.50) AND (bmival>=21.96) bmicat418=3.
IF sex=2 AND (intexage>=12 AND intexage<12.50) AND (bmival>=23.22) bmicat418=3.
IF sex=1 AND (intexage>=12.50 AND intexage<13) AND (bmival>=22.36) bmicat418=3.
IF sex=2 AND (intexage>=12.50 AND intexage<13) AND (bmival>=23.65) bmicat418=3.

IF sex=1 AND (intexage>=13 AND intexage<13.50) AND (bmival>=22.77) bmicat418=3.
IF sex=2 AND (intexage>=13 AND intexage<13.50) AND (bmival>=24.06) bmicat418=3.
IF sex=1 AND (intexage>=13.50 AND intexage<14) AND (bmival>=23.17) bmicat418=3.
IF sex=2 AND (intexage>=13.50 AND intexage<14) AND (bmival>=24.45) bmicat418=3.

IF sex=1 AND (intexage>=14 AND intexage<14.50) AND (bmival>=23.58) bmicat418=3.
IF sex=2 AND (intexage>=14 AND intexage<14.50) AND (bmival>=24.82) bmicat418=3.
IF sex=1 AND (intexage>=14.50 AND intexage<15) AND (bmival>=23.97) bmicat418=3.
IF sex=2 AND (intexage>=14.50 AND intexage<15) AND (bmival>=25.16) bmicat418=3.

IF sex=1 AND (intexage>=15 AND intexage<15.50) AND (bmival>=24.36) bmicat418=3.
IF sex=2 AND (intexage>=15 AND intexage<15.50) AND (bmival>=25.49) bmicat418=3.
IF sex=1 AND (intexage>=15.50 AND intexage<16) AND (bmival>=24.74) bmicat418=3.
IF sex=2 AND (intexage>=15.50 AND intexage<16) AND (bmival>=25.78) bmicat418=3.

IF sex=1 AND (intexage>=16 AND intexage<16.50) AND (bmival>=25.09) bmicat418=3.
IF sex=2 AND (intexage>=16 AND intexage<16.50) AND (bmival>=26.05) bmicat418=3.
IF sex=1 AND (intexage>=16.50 AND intexage<17) AND (bmival>=25.44) bmicat418=3.
IF sex=2 AND (intexage>=16.50 AND intexage<17) AND (bmival>=26.29) bmicat418=3.

IF sex=1 AND (intexage>=17 AND intexage<17.50) AND (bmival>=25.77) bmicat418=3.
IF sex=2 AND (intexage>=17 AND intexage<17.50) AND (bmival>=26.52) bmicat418=3.
IF sex=1 AND (intexage>=17.50 AND intexage<18) AND (bmival>=26.08) bmicat418=3.
IF sex=2 AND (intexage>=17.50 AND intexage<18) AND (bmival>=26.72) bmicat418=3.

IF sex=1 AND (intexage>=18 AND intexage<18.50) AND (bmival>=26.37) bmicat418=3.
IF sex=2 AND (intexage>=18 AND intexage<18.50) AND (bmival>=26.91) bmicat418=3.
IF sex=1 AND (intexage>=18.50 AND intexage<19) AND (bmival>=26.65) bmicat418=3.
IF sex=2 AND (intexage>=18.50 AND intexage<19) AND (bmival>=27.08) bmicat418=3.

IF bmiok<>1 bmicat418=-1.
if age<4 or age>=19 bmicat418=-1.

VAR LAB bmicat418 '(D) Age 4y-18.9y Childrens BMI standards (85th/95th centile) using
UK90'.
value labels bmicat418
1 'Normal-weight'
2 'Over-weight'
3 'Obese'.
```

BMICAT218 (D) Age 2y-18.9y BMI WHO(85th/95th centile) for 2-3.11 UK90 for 4-18y
1 Normal-weight
2 Over-weight
3 Obese

```
SPSS Syntax

Compute bmicat218=0.
Do if age>= 4.
IF bmicat418>0 bmicat218= bmicat418.
end if.

Do if age< 4.
IF bmiwho>0 bmicat218= bmiwho.
end if.

IF bmiok<>1 bmicat218=-1.
if age<2 or age>=19 bmicat218=-1.
VAR LAB bmicat218 '(D) Age 2y-18.9y BMI WHO(85th/95th centile) for 2-3.11 UK90 for 4-
18y'.
value labels bmicat218
1 'Normal-weight'
2 'Over-weight'
3 'Obese'.
```

ARMVAL (D) Valid mean MUAC measurement (cm)

```
SPSS Syntax

COMPUTE armval=-1.
IF armok=1 armval=(cuparm+cuparm2)/2.
IF armok=2 armval=(cuparm+cuparm3)/2.
IF armok=3 armval=(cuparm2+cuparm3)/2.
IF armok=4 armval=(cuparm+cuparm2+cuparm3)/3.
VARIABLE LABEL armval "(D) Valid Mean MUAC measurement(cm)".
```

SPANVAL (D) Valid mean span measurement (cm)

```
SPSS Syntax

COMPUTE spanval=-1.
DO IF spanok=1.
COMPUTE spanval=(span+span2)/2.
END IF.
VARIABLE LABEL spanval "(D) Valid mean span (cm)".
```

SPANHT (D) Height equivalent of demi span

```
SPSS Syntax

COMPUTE spanht=0.
IF sex=2 and spanval>0 spanht=(1.35 * spanval) + 60.1 .
IF sex=1 and spanval>0 spanht=(1.40 * spanval) + 57.8.
IF spanval=-1 spanht=-1.
VAR LAB spanht '(D) Height equivalent of demi span'.
```

WSTVAL (D) Valid mean waist measurement (cm)

```
SPSS Syntax

COMPUTE wstval=-1.
IF wstokb=1 wstval=(waist+waist2)/2.
IF wstokb=2 wstval=(waist+waist3)/2.
IF wstokb=3 wstval=(waist2+waist3)/2.
IF wstokb=4 wstval=(waist+waist2+waist3)/3.
VARIABLE LABEL wstval "(D) Valid mean waist measurement (cm)".
```

HIPVAL (D) Valid mean hip measurement (cm)

```
SPSS Syntax

COMPUTE hipval=-1.
IF hipokb=1 hipval=(hip+hip2)/2.
IF hipokb=2 hipval=(hip+hip3)/2.
IF hipokb=3 hipval=(hip2+hip3)/2.
IF hipokb=4 hipval=(hip+hip2+hip3)/3.
VARIABLE LABEL hipval "(D) Valid mean hip measurement (cm)".
```

WHVAL (D) Valid mean waist/hip ratio

```
SPSS Syntax

COMPUTE whval=-1.
IF whokb=1 whval=wstval/hipval.
VARIABLE LABEL whval "(D) Valid mean waist/hip ratio".
```

MENWHGP (D) Male waist/hip ratio groups – 16+
- 1   Less than 0.80
- 2   0.80, less than 0.85
- 3   0.85, less than 0.90
- 4   0.90, less than 0.95
- 5   0.95, less than 1.00
- 6   1.00 or more

```
SPSS Syntax

do if sex=1.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into menwhgp.
RECODE whval (1.00 THRU hi=6)(0.95 THRU 1.00=5)(0.90 THRU 0.95=4)(0.85 THRU 0.90=3)
(0.80 THRU 0.85=2)(0.01 THRU 0.80=1) into menwhgp.
end if.
if sex=2 menwhgp=-1.
if age<=15 menwhgp=-1.
VAR LAB menwhgp '(D) Male waist hip ratio groups – 16+'.
VAL LAB menwhgp
1 'Less than 0.80'
2 '0.80, less than 0.85'
3 '0.85, less than 0.90'
4 '0.90, less than 0.95'
5 '0.95, less than 1.00'
6 '1.00 or more'.
```

MENWHHI (D) Male high waist/hip ratio – 16+ (>=0.95)

1   Less than 0.95
2   0.95 or more

```
SPSS Syntax

do if.
recode menwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into menwhhi.
VAR LAB menwhhi '(D) Male high waist hip ratio - 16+(>=0.95)'.
VAL LAB menwhhi
1 'Less than 0.95'
2 '0.95 or more'.
end if.
if sex=2 menwhhi=-1.
if age<=15 menwhhi=-1.
```

MENWHGP2 (D) Male waist/hip ratio groups – 16+

1   0.80 or less
2   More than 0.80, up to and including 0.85
3   More than 0.85, up to and including 0.90
4   More than 0.90, up to and including 0.95
5   More than 0.95, up to and including 1.00
6   More than 1.00

```
SPSS syntax

do if sex=1.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into menwhgp2.
RECODE whval (1.000001 THRU hi=6)(0.95000001 THRU 1.00=5)(0.90000001 THRU
0.95=4)(0.85000001 THRU 0.90=3) (0.80000001 THRU 0.85=2)(0.01 THRU 0.80=1) into menwhgp2.
end if.
if sex=2 menwhgp2=-1.
if age<=15 menwhgp2=-1.
VAR LAB menwhgp2 '(D) Male waist/hip ratio groups - 16+'.
VAL LAB menwhgp2
1 '0.80 or less'
2 'more than 0.80, up to and including 0.85'
3 'more than 0.85, up to and including 0.90'
4 'more than 0.90, up to and including 0.95'
5 'more than 0.95, up to and including 1.00'
6 'more than 1.00'.
```

MENWHHI2 (D) Male high waist/hip ratio – 16+ (>0.95)

1   0.95 or lower
2   More than 0.95

```
SPSS syntax

do if.
recode menwhgp2 (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into menwhhi2.
end if.
if sex=2 menwhhi2=-1.
if age<=15 menwhhi2=-1.
VAR LAB menwhhi2 '(D) Male high waist hip ratio  - 16+ (>0.95)'.
VAL LAB menwhhi2
  1 '0.95 or lower'
  2 'more than 0.95'.
```

WOMWHGP (D) Female waist/hip ratio groups – 16+

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

```
SPSS Syntax

do if sex=2.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into womwhgp.
RECODE whval (0.90 THRU hi=6)(0.85 THRU 0.90=5)(0.80 THRU 0.85=4)(0.75 THRU 0.80=3)
(0.70 THRU 0.75=2)(0.01 THRU 0.70=1) into womwhgp.
end if.
if sex=1 womwhgp=-1.
if age<=15 womwhgp=-1.
VAR LAB womwhgp '(D) Female waist hip ratio groups - 16+'.
VAL LAB womwhgp
1 'Less than 0.70'
2 '0.70, less than 0.75'
3 '0.75, less than 0.80'
4 '0.80, less than 0.85'
5 '0.85, less than 0.90'
6 '0.90 or more'
-90 'Pregnant'.
```

WOMWHHI (D) Female high waist/hip ratio – 16+ (>=0.85)

    1   Less than 0.85
    2   0.85 or more
    -90 Pregnant

```
SPSS Syntax

do if.
recode womwhgp (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into womwhhi.
end if.
if sex=1 womwhhi=-1.
if age<=15 womwhhi=-1.
VAR LAB womwhhi '(D) Female high waist hip ratio 16+ (>=0.85)'.
VAL LAB womwhhi
1 'Less than 0.85'
2 '0.85 or more'
-90 'Pregnant'.
```

WOMWHGP2 (D) Female waist/hip ratio groups – 16+

1   0.70 or less
2   More than 0.70, up to and including 0.75
3   More than 0.75, up to and including 0.80
4   More than 0.80, up to and including 0.85
5   More than 0.85, up to and including 0.90
6   More than 0.90
-90 Pregnant

```
SPSS Syntax

do if sex=2.
recode whokb (-99 thru -1=COPY)(2 thru 5=-1) into womwhgp2.
RECODE whval (0.9000001 THRU hi=6)(0.85000001 THRU 0.90=5)(0.80000001 THRU
0.85=4)(0.75000001 THRU 0.80=3) (0.70000001 THRU 0.75=2)(0.01 THRU 0.70=1) into womwhgp2.
end if.
if sex=1 womwhgp2=-1
if age<=15 womwhgp2=-1.
VAR LAB womwhgp2 '(D) Female waist hip ratio groups - 16+'.
VAL LAB womwhgp2
1 '0.70 or less'
2 'more than 0.70, up to and including 0.75'
3 'more than 0.75, up to and including 0.80'
4 'more than 0.80, up to and including 0.85'
5 'more than 0.85, up to and including 0.90'
6 'more than 0.90'
-90 'Pregnant'.
```

WOMWHHI2 (D) Female high waist/hip ratio – 16+ (>0.85)

1   0.85 or lower
2   More than 0.85
-90 Pregnant

```
SPSS Syntax

do if.
recode womwhgp2 (1 thru 4=1)(5,6=2)(-99 thru -1=copy) into womwhhi2.
end if.
if sex=1 womwhhi2=-1.
if age<=15 womwhhi2=-1.
VAR LAB womwhhi2 '(D) Female high waist hip ratio 16+ (>0.85)'.
VAL LAB womwhhi2
1 '0.85 or lower'
2 'More than 0.85'
-90 'Pregnant'.
```

MWSTHI (D) Male high waist circumference (>102cm)

1   Less than or equal to 102cm
2   More than 102cm

```
SPSS Syntax

do if sex=1 .
RECODE wstval (45 thru 102=1) (102.000001 thru Highest=2) (else=copy) INTO mwsthi.
END IF.
if sex=2 mwsthi=-1.
VARIABLE LABEL mwsthi '(D) Male high waist circumference'.
VALUE LABELS mwsthi
1 'Less than or equal to 102cm'
2 'More than 102cm'.
```

FWSTHI (D) Female high waist circumference (>88cm)
1   Less than or equal to 88cm
2   More than 88cm

```
SPSS Syntax

do if sex=2 .
RECODE wstval (45 thru 88=1)  (88.000001 thru Highest=2) (else=copy) INTO  fwsthi.
END IF
if sex=1 fwsthi=-1.
VARIABLE LABEL fwsthi '(D) Female high waist circumference'.
VALUE LABELS fwsthi
1 'Less than or equal to 88cm'
2 'More than 88cm'.
```

RPAQ

Leisure activities

SWIMLEIS: (D) Swimming leisurely (indoor & outdoor) - number of times in last 4 weeks
- 1 None
- 2 Once in the last 4 weeks
- 3 2 to 3 times in the last 4 weeks
- 4 Once a week
- 3 2 to 3 times a week
- 4 4 to 5 times a week
- 5 Everyday

```
SPSS Syntax

compute swimleis=0.
if (swiminno=swimotno) swimleis=swiminno.
if (swiminno>swimotno) swimleis=swiminno.
if (swiminno<swimotno) swimleis=swimotno.
var lab swimleis "(D) Swimming leisurely (indoor & outdoor) - number of times in last 4
weeks".
val lab swimleis
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

SWIMLEISHR: (D) Swimming leisurely (indoor & outdoor) – average time (hours)
SWIMLEISMIN: (D) Swimming leisurely (indoor & outdoor) – average time (minutes)

```
SPSS Syntax

if swiminth=-1 | swimotth=-1 swimleishr=-1.
if swiminth=-8 | swimotth=-8 swimleishr=-8.
if swiminth>=0 swimleishr=swiminth.
if swimotth>=0 swimleishr=swimotth.
if (swiminth>=0 & swimotth>=0) swimleishr=swiminth+swimotth.
var lab swimleishr "(D) Swimming leisurely (indoor & outdoor) - average time (hours)".

if swimintm=-1 | swimottm=-1 swimleismin=-1.
if swimintm=-8 | swimottm=-8 swimleismin=-8.
if swimintm>=0 swimleismin=swimintm.
if swimottm>=0 swimleismin=swimottm.
if (swimintm>=0 & swimottm>=0) swimleismin=swimintm+swimottm.
compute xxx=-1.
if swimleismin>=60 xxx=trunc(swimleismin/60).
if swimleismin>=60 swimleismin=swimleismin-60.
if xxx>0 swimleishr=swimleishr+xxx.
var lab swimleismin "(D) Swimming leisurely (indoor & outdoor) - average time (minutes)".
```

BOWLING: (D) Bowling (indoor & outdoor) - number of times in last 4 weeks
    1   None
    2   Once in the last 4 weeks
    3   2 to 3 times in the last 4 weeks
    4   Once a week
    5   2 to 3 times a week
    6   4 to 5 times a week
    7   Everyday

```
SPSS Syntax

compute bowling=0.
if (bowlinno=bowlotno) bowling=bowlinno.
if (bowlinno>bowlotno) bowling=bowlinno.
if (bowlinno<bowlotno) bowling=bowlotno.
var lab bowling "(D) Bowling (indoor & outdoor) - number of times in last 4 weeks".
val lab bowling
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

BOWLINGHR: (D) Bowling (indoor & outdoor) – average time (hours)
BOWLINGMIN: (D) Bowling (indoor & outdoor) – average time (minutes)

```
SPSS Syntax

if bowlinth=-1 | bowlotth=-1 bowlinghr=-1.
if bowlinth=-8 | bowlotth=-8 bowlinghr=-8.
if bowlinth>=0 bowlinghr=bowlinth.
if bowlotth>=0 bowlinghr=bowlotth.
if (bowlinth>=0 & bowlotth>=0) bowlinghr=bowlinth+bowlotth.
var lab bowlinghr "(D) Bowling (indoor & outdoor) - average time (hours)".

if bowlintm=-1 | bowlottm=-1 bowlingmin=-1.
if bowlintm=-8 | bowlottm=-8 bowlingmin=-8.
if bowlintm>=0 bowlingmin=bowlintm.
if bowlottm>=0 bowlingmin=bowlottm.
if (bowlintm>=0 & bowlottm>=0) bowlingmin=bowlintm+bowlottm.
compute xxx=-1.
if bowlingmin>=60 xxx=trunc(bowlingmin/60).
if bowlingmin>=60 bowlingmin=bowlingmin-60.
if xxx>0 bowlinghr=bowlinghr+xxx.
var lab bowlingmin "(D) Bowling (indoor & outdoor) - average time (minutes)".
```

TENNISBADMINTON: (D) Tennis (indoor & outdoor) and badminton- number of times in last 4 weeks

    1   None
    2   Once in the last 4 weeks
    3   2 to 3 times in the last 4 weeks
    4   Once a week
    5   2 to 3 times a week
    6   4 to 5 times a week
    7   Everyday

```
SPSS Syntax

compute xxtennis=0.
if (teninno=tenotno) xxtennis=teninno.
if (teninno>tenotno) xxtennis=teninno.
if (teninno<tenotno) xxtennis=tenotno.
freq xxtennis.
compute tennisbadminton=0.
if (xxtennis=badno) tennisbadminton=xxtennis.
if (xxtennis>badno) tennisbadminton=xxtennis.
if (xxtennis<badno) tennisbadminton=badno.
var lab tennisbadminton "(D) Tennis (indoor & outdoor) and badminton - number of times in
last 4 weeks".
val lab tennisbadminton
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

TENNISBADMINTONHR: (D) Tennis (indoor & outdoor) and badminton – average time (hours)

TENNISBADMINTONMIN: (D) Tennis (indoor & outdoor) and badminton – average time (minutes)

```
SPSS Syntax

if (teninth=-1 | tenotth=-1 | badth=-1) tennisbadmintonhr=-1.
if (teninth=-8 | tenotth=-8 | badth=-8) tennisbadmintonhr=-8.
if teninth>=0 tennisbadmintonhr=teninth.
if tenotth>=0 tennisbadmintonhr=tenotth.
if badth>=0 tennisbadmintonhr=badth.
if (teninth>=0 & tenotth>=0) tennisbadmintonhr=teninth+tenotth.
if (teninth>=0 & badth>=0) tennisbadmintonhr=teninth+badth.
if (badth>=0 & tenotth>=0) tennisbadmintonhr=badth+tenotth.
if (teninth>=0 & tenotth>=0 & badth>=0) tennisbadmintonhr=teninth+tenotth+badth.
var lab tennisbadmintonhr "(D) Tennis (indoor & outdoor) and badminton - average time
(hours)".

if (tenintm=-1 | tenottm=-1 | badtm=-1) tennisbadmintonmin=-1.
if (tenintm=-8 | tenottm=-8 | badtm=-8) tennisbadmintonmin=-8.
if tenintm>=0 tennisbadmintonmin=tenintm.
if tenottm>=0 tennisbadmintonmin=tenottm.
if badtm>=0 tennisbadmintonmin=badtm.
if (tenintm>=0 & tenottm>=0) tennisbadmintonmin=tenintm+tenottm.
if (tenintm>=0 & badtm>=0) tennisbadmintonmin=tenintm+badtm.
if (badtm>=0 & tenottm>=0) tennisbadmintonmin=badtm+tenottm.
if (tenintm>=0 & tenottm>=0 & badtm>=0) tennisbadmintonmin=tenintm+tenottm+badtm.
compute xxx=-1.
if tennisbadmintonmin>=60 xxx=trunc(tennisbadmintonmin/60).
if tennisbadmintonmin>=60 tennisbadmintonmin=tennisbadmintonmin-60.
if xxx>0 tennisbadmintonhr=tennisbadmintonhr+xxx.
var lab tennisbadmintonmin "(D) Tennis (indoor & outdoor) and badminton - average time
(minutes)".
```

FOOTBALLRUGBYHOCKEY: (D) Football, rugby, hockey (indoor & outdoor) - number of times in last 4 weeks

  1   None
  2   Once in the last 4 weeks
  3   2 to 3 times in the last 4 weeks
  4   Once a week
  5   2 to 3 times a week
  6   4 to 5 times a week
  7   Everyday

```
SPSS Syntax

compute footballrugbyhockey=0.
if (fbllinno=fbllotno) footballrugbyhockey=fbllinno.
if (fbllinno>fbllotno) footballrugbyhockey=fbllinno.
if (fbllinno<fbllotno) footballrugbyhockey=fbllotno.
var lab footballrugbyhockey "(D) Football, rugby, hockey (indoor & outdoor) - number of
times in last 4 weeks".
val lab footballrugbyhockey
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

FOOTBALLRUGBYHOCKEYHR: (D) Football, rugby, hockey (indoor & outdoor) – average time (hours)

FOOTBALLRUGBYHOCKEYMIN: (D) Football, rugby, hockey (indoor & outdoor) – average time (minutes)

```
SPSS Syntax

if fbllinth=-1 | fbllotth=-1 footballrugbyhockeyhr=-1.
if fbllinth=-8 | fbllotth=-8 footballrugbyhockeyhr=-8.
if fbllinth>=0 footballrugbyhockeyhr=fbllinth.
if fbllotth>=0 footballrugbyhockeyhr=fbllotth.
if (fbllinth>=0 & fbllotth>=0) footballrugbyhockeyhr=fbllinth+fbllotth.
var lab footballrugbyhockeyhr "(D) Football, rugby, hockey (indoor & outdoor) - average
time (hours)".

if fbllintm=-1 | fbllottm=-1 footballrugbyhockeymin=-1.
if fbllintm=-8 | fbllottm=-8 footballrugbyhockeymin=-8.
if fbllintm>=0 footballrugbyhockeymin=fbllintm.
if fbllottm>=0 footballrugbyhockeymin=fbllottm.
if (fbllintm>=0 & fbllottm>=0) footballrugbyhockeymin=fbllintm+fbllottm.
compute xxx=-1.
if footballrugbyhockeymin>=60 xxx=trunc(footballrugbyhockeymin/60).
if footballrugbyhockeymin>=60 footballrugbyhockeymin=footballrugbyhockeymin-60.
if xxx>0 footballrugbyhockeyhr=footballrugbyhockeyhr+xxx.
var lab footballrugbyhockeymin "(D) Football, rugby, hockey (indoor & outdoor) - average
time (minutes)".
```

NETVOLLEYBASKETBALL: (D) Netball, volleyball, basketball (indoor & outdoor) - number of times in last 4 weeks

- 1 None
- 2 Once in the last 4 weeks
- 3 2 to 3 times in the last 4 weeks
- 4 Once a week
- 5 2 to 3 times a week
- 6 4 to 5 times a week
- 7 Everyday

```
SPSS Syntax

compute netvolleybasketball=0.
if (netbinno=netbotno) netvolleybasketball=netbinno.
if (netbinno>netbotno) netvolleybasketball=netbinno.
if (netbinno<netbotno) netvolleybasketball=netbotno.
var lab netvolleybasketball "(D) Netball, volleyball, basketball (indoor & outdoor) -
number of times in last 4 weeks".
val lab netvolleybasketball
 1 'None'
 2 'Once in the last 4 weeks'
 3 '2 to 3 times in the last 4 weeks'
 4 'Once a week'
 5 '2 to 3 times a week'
 6 '4 to 5 times a week'
 7 'Everyday'.
```

NETVOLLEYBASKETBALLHR: (D) Netball, volleyball, basketball (indoor & outdoor) – average time (hours)

NETVOLLEYBASKETBALLMIN: (D) Netball, volleyball, basketball (indoor & outdoor) – average time (minutes)

```
SPSS Syntax

if netbinth=-1 | netbotth=-1 netvolleybasketballhr=-1.
if netbinth=-8 | netbotth=-8 netvolleybasketballhr=-8.
if netbinth>=0 netvolleybasketballhr=netbinth.
if netbotth>=0 netvolleybasketballhr=netbotth.
if (netbinth>=0 & netbotth>=0) netvolleybasketballhr=netbinth+netbotth.
var lab netvolleybasketballhr "(D) Netball, volleyball, basketball (indoor & outdoor) -
average time (hours)".

if netbintm=-1 | netbottm=-1 netvolleybasketballmin=-1.
if netbintm=-8 | netbottm=-8 netvolleybasketballmin=-8.
if netbintm>=0 netvolleybasketballmin=netbintm.
if netbottm>=0 netvolleybasketballmin=netbottm.
if (netbintm>=0 & netbottm>=0) netvolleybasketballmin=netbintm+netbottm.
compute xxx=-1.
if netvolleybasketballmin>=60 xxx=trunc(netvolleybasketballmin/60).
if netvolleybasketballmin>=60 netvolleybasketballmin=netvolleybasketballmin-60.
if xxx>0 netvolleybasketballhr=netvolleybasketballhr+xxx.
var lab netvolleybasketballhr "(D) Netball, volleyball, basketball (indoor & outdoor) -
average time (minutes)"
```

∗TOTMETHRS (D) Total reported duration (hours) of activity times intensity (MET) [METhrs/d]

∗TOTMETHRS_w_UNACCTIME (D) Total reported plus unaccounted duration hours) times intensity (MET) [METhrs/d]

∗TOTTIME (D) Total reported duration (hours) of activity [hrs/d]

∗TOTALTIME (D) Total reported duration (hours) of activity + assumed sleep [hrs/d]

∗ACTMETS (D) Total activity energy expenditure discounting resting [net METhrs/d]

∗_METS (D) Home domain energy expenditure [METhrs/d]

∗WORK_METS (D) Work domain energy expenditure [METhrs/d]

∗LEIS_METS (D) Leisure domain energy expenditure [METhrs/d]

∗COMMUTE_METS (D) Commute domain energy expenditure [METhrs/d]

∗SED_INTENSITY (D) Sedentary behavior energy expenditure [METhrs/d]

∗LIGHT_INTENSITY (D) Light intensity energy expenditure [METhrs/d]

∗MODERATE_INTENSITY (D) Moderate intensity energy expenditure [METhrs/d]

∗VIGOROUS_INTENSITY (D) Vigorous intensity energy expenditure [METhrs/d]

∗SEDTIME (D) Time spent sedentary, excluding sleep [hrs/d]

∗LIGHTTIME (D) Time spent at light intensity activity [hrs/d]

∗MODERATETIME (D) Time spent at moderate intensity activity [hrs/d]

∗VIGOROUSTIME (D) Time spent at vigorous intensity activity [hrs/d]

NOTE: The above derived variables were created in STATA using syntax originally created by the MRC Epidemiology Unit based in Cambridge. For more information and the original syntax created by the MRC Epi Unit please go to http://www.mrc-epid.cam.ac.uk/physical-activity-downloads/.

MVPATIME: (D) Time spent at moderate or vigorous physical activity (hr/d)

```
SPSS syntax

do if MODERATEtime>=0 & VIGOROUStime>=0.
compute MVPAtime = (MODERATEtime + VIGOROUStime).
else if MODERATEtime=-4.
compute MVPAtime=-4.
ELSE.
compute MVPAtime=-1.
end if.
variable label MVPAtime "(D) Time spent at moderate or vigorous physical activity
(hr/d)".
```

∗ Variable created in STATA. Not included in dataset. See note above

Blood pressure

Admin

MEASBP (D) Blood pressure measured

- 1   BP measured
- 2   BP not measured'
- 3   No nurse visit
- 4   Not eligible (less than 4)

```
SPSS Syntax

recode respbps (1 thru 3=1) (else=2) into measbp.
If nuroutc<>810 measbp=3.
if age<4 measbp=4.
variable label measbp '(D) Blood pressure measured'.
value label measbp
1 'BP measured'
2 'BP not measured'
3 'No nurse visit'
4 'Not eligible (less than 4)'.
```

BPRESPC (D) Whether blood pressure readings are valid

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

```
SPSS Syntax

RECODE respbps (1=1) (2,3=4) (4,5,6=6) (-9 thru -1 =COPY) into bprespc.
IF ANY(full,2,-8,-9) | ANY(full2,2,-8,-9) | ANY(full3,2,-8,-9) bprespc=4.
IF (respbps = 1 & any(1,consbx11,consbx12,consbx13,consbx14)) bprespc= 2.
IF (respbps = 1 & ANY(-9,consbx11,consbx12,consbx13,consbx14)) bprespc= 3.
IF (respbps = 1 & (consbx21=1 | consbx22=1)) bprespc= 2.
IF (respbps = 1 & ANY(-9,consbx21,consbx22)) bprespc= 3.
IF pregntj = 1 bprespc= 5.
VAR LAB bprespc "(D) Whether blood pressure readings are valid" .
VALUE LABELS bprespc
1 'Three valid BP measurements'
2 'Ate, drank, smoked,exercised in previous half hour'
3 'Not known if ate, drank, smoked or exercised'
4 'Three valid readings not obtained'
5 'Pregnant'
6 'Refused, attempted but not obtained, not attempted'.
```

Measurements

OMSYSVAL (D) Omron valid mean systolic BP

OMDIAVAL (D) Omron valid mean diastolic BP

- -7 Refused, attempted but not obtained, not attempted
- -8 No valid readings, not known if ate, drank, smoked or exercised

```
SPSS Syntax

DO REPEAT omval = omsysval omdiaval.
RECODE bprespc (lo thru 0 =COPY) (2,5=-1) (3,4=-8) (6=-7) INTO omval.
END REPEAT.
DO IF bprespc=1.
COMPUTE omsysval = (sys2+sys3)/2.
COMPUTE omdiaval = (dias2 + dias3)/2.
END IF.
VAR LAB omsysval "(D) Omron valid mean systolic BP".
VAR LAB omdiaval "(D) Omron valid mean diastolic BP".
VALUE LABELS omsysval
 -7 'Refused, attempted but not obtained, not attempted'
 -8 'No valid readings, not known if ate, drank, smoked or exercised'.
VALUE LABELS omdiaval
 -7 'Refused, attempted but not obtained, not attempted'
 -8 'No valid readings, not known if ate, drank, smoked or exercised'.
```
Note: interim variable omval is not included in the final data.

HYPER1 (D) Hypertensive categories: 160/95: all prescribed drugs for BP

- 1 Normotensive untreated
- 2 Normotensive treated
- 3 Hypertensive treated
- 4 Hypertensive untreated
- -7 Refused, attempted but not obtained, not attempted

```
SPSS Syntax

RECODE bprespc (2 thru 5,-1=-1)(6=-7) INTO hyper1.
DO IF bprespc=1.
IF ANY(bpmedd,0,-1) & RANGE(omsysval,0,159.999) & RANGE(omdiaval,0,94.999)
  hyper1=1.
IF bpmedd=1 & RANGE(omsysval,0,159.999) & RANGE(omdiaval,0,94.999)
  hyper1=2.
IF bpmedd=1 & (omsysval>=160 | omdiaval>=95) hyper1=3.
IF ANY(bpmedd,0,-1) & (omsysval>=160 | omdiaval>=95) hyper1=4.
END IF.
IF (bpmedd=-9) hyper1= -9 .
VARIABLE LABELS hyper1 "(D) Hypertensive categories: 160/95: all prescribed drugs for BP"
VALUE LABELS hyper1
    1 'Normotensive untreated'
    2 'Normotensive treated'
    3 'Hypertensive treated'
    4 'Hypertensive untreated'
  -7 'Refused, attempted but not obtained, not attempted'.
```

HIGHBP1 (D) Whether hypertensive: 160/95: all prescribed drugs for BP

    0   Not high BP

    1   High BP

   -7   Refused, attempted but not obtained, not attempted

```
SPSS Syntax

RECODE hyper1(lo thru -1=COPY)(1=0)(2,3,4=1) INTO highbp1.
VARIABLE LABELS highbp1 "(D) Whether hypertensive: 160/95: all prescribed drugs for BP".
VALUE LABELS highbp1
  0 'Not high BP'
  1 'High BP'
  -7 'Refused, attempted but not obtained, not attempted'.
```

HYPER140 (D) Hypertensive categories: 140/90: all prescribed drugs for BP

    1   Normotensive untreated

    2   Normotensive treated

    3   Hypertensive treated

    4   Hypertensive untreated

   -7   Refused, attempted but not obtained, not attempted

```
SPSS Syntax

RECODE bprespc(2 thru 5,-1=-1)(6=-7)  INTO hyper140 .
DO IF bprespc=1.
IF ANY(bpmedd,0,-1) & RANGE(omsysval,0,139.999) &  RANGE(omdiaval,0,89.999)
  hyper140 =1.
IF bpmedd=1 & RANGE(omsysval,0,139.999) &  RANGE(omdiaval,0,89.999)
  hyper140 =2.
IF bpmedd=1 & (omsysval>=140 | omdiaval>=90)  hyper140 =3.
IF ANY(bpmedd,0,-1) & (omsysval>=140 |  omdiaval>=90) hyper140 =4.
END IF.
IF (bpmedd = -9) hyper140 = -9 .
VARIABLE LABELS hyper140 "(D) Hypertensive categories:140/90: all prescribed drugs for
BP" .
VALUE LABELS hyper140
    1 'Normotensive untreated'
    2 'Normotensive treated'
    3 'Hypertensive treated'
    4 'Hypertensive untreated'
     -7 'Refused, attempted but not obtained, not attempted'.
```

HIBP140 (D) Whether hypertensive: 140/90: all prescribed drugs for BP

    0   Not high BP

    1   High BP

   -7   Refused, attempted but not obtained, not attempted

```
SPSS Syntax

RECODE hyper140 (lo thru -1=COPY)(1=0)(2,3,4=1) INTO hibp140.
VARIABLE LABELS hibp140 "(D) Whether hypertensive:140/90: all prescribed drugs for BP".
VALUE LABELS hibp140
  0 'Not high BP'
  1 'High BP'
  -7 'Refused, attempted but not obtained, not attempted'.
```

Blood sample

Admin

WILLBS (D) Willing to have blood sample taken
- 1 Willing
- 2 Not willing
- 3 No nurse visit
- 4 Not eligible (fit/clotting disorder)

NOTE: Derivation for Year 1

```
SPSS Syntax

compute WillBS=2.
count xxx=bswill tbswill tbswill2 tbswill3 (2).
count yyy=cbsconst tcbscons tcbscon2 tcbscon3 (2).
if ((bswill=1 | tbswill=1 | tbswill2=1 | tbswill3=1) & xxx=0) | ((cbsconst=1 | tcbscons=1
| tcbscon2=1 | tcbscon3=1) & yyy=0) WillBS=1.
if clotb=1 | tclotb2=1 | tclotb3=1 | fit2=1 | tfit2=1 | tfit3=1 willbs=4.
If nuroutc<>810 willbs=3.
variable label WillBS '(D) Willing to have blood sample taken'.
value label WillBS
1 'Willing'
2 'Not willing'
3 'No nurse visit'
4 'Not eligible (fit/clotting disorder'.
```

NOTE: Derivation for Years 2-4 – includes separate clotb and fit variables for children and adults

```
SPSS Syntax

compute WillBS=2.
count xxx=bswill tbswill tbswill2 tbswill3 (2).
count yyy=cbsconst tcbscons tcbscon2 tcbscon3 (2).
if ( (bswill=1 | tbswill=1 | tbswill2=1 | tbswill3=1) & xxx=0) | ( (cbsconst=1 |
tcbscons=1 | tcbscon2=1 | tcbscon3=1) & yyy=0) WillBS=1.
if (clotbc=1 | clotba=1 | tclotbc=1 | tclotba=1 | tclotbc2=1 | tclotba2=1 | tclotbc3=1 |
tclotba3=1 | fitc=1 | fita=1 | tfitc=1 | tfita=1 | tfitc2=1 | tfita2=1 | tfitc3=1 |
tfita3=1) willbs=4.
if nuroutc<>810 willbs=3.
variable label WillBS '(D) Willing to have blood sample taken'.
value label WillBS
1 'Willing'
2 'Not willing'
3 'No nurse visit'
4 'Not applicable (fit/clotting disorder)'.
```

BLOODOC1 (D) Blood outcome

1   Blood sample taken
2   No sample taken
3   No nurse visit
4   Not eligible (fit/clotting disorder)

NOTE: this is for response rates only, it does not denote receipt of analysable sample
NOTE: Derivation for Year 1

```
SPSS Syntax

RECODE SampTak4 (1,2=1) (3=2) (else=copy) INTO BloodOC1.
if clotb=1 | tclotb2=1 | tclotb3=1 | fit2=1 | tfit2=1 | tfit3=1 BloodOC1=4.
if nuroutc<>810 BloodOC1=3.
VARIABLE LABELS BloodOC1 '(D) Blood outcome'.
VALUE LABELS BloodOC1
1 'Blood sample taken'
2 'No sample taken'
3 'No nurse visit'
4 'Not eligible (fit/clotting disorder)'.
```

NOTE: Derivation for Years 2-4 – includes separate clotb and fit variables for children and adults

```
SPSS Syntax

RECODE SampTak4 (1,2=1) (3=2) (else=copy) INTO BloodOC1.
if (clotbc=1 | clotba=1 | tclotbc=1 | tclotba=1 | tclotbc2=1 | tclotba2=1 | tclotbc3=1 |
tclotba3=1 | fitc=1 | fita=1 | tfitc=1 | tfita=1 | tfitc2=1 | tfita2=1 | tfitc3=1 |
tfita3=1) BloodOC1=4.
if nuroutc<>810 BloodOC1=3.
VARIABLE LABELS BloodOC1 '(D) Blood outcome'.
  VALUE LABELS BloodOC1
  1 'Blood sample taken'
  2 'No sample taken'
  3 'No nurse visit'
  4 'Not applicable (fit/clotting disorder)'.
```

BSOUTE (D) Blood outcome

1   Blood sample obtained - all full
2   Blood sample obtained - not all full
3   No blood sample obtained
4   Refused
5   Ineligible (No nurse visit/clot/fit)

NOTE: Derivation for Year 1

```
SPSS Syntax

compute bsoute=0.
if pregntj=1 bsoute=5.
recode samptak4 (1=1)(2=2)(3=3) into bsoute.
recode nuroutc(lo thru 800,820 thru hi=5) into bsoute.
if any(2,bswill,noametop,tbswill,tbswill2,noameto2,tbswill3,noameto3) bsoute=4.
if any(1,clotb,fit2,tclotb,tfit,tfit2,tclotb2,tclotb3,tfit3) bsoute=5.
var lab bsoute "(D) Blood outcome".
value labels bsoute
 1 "Blood sample obtained - all full"
 2 "Blood sample obtained - not all full"
 3 "No blood sample obtained"
 4 "Refused"
 5 "Ineligible (No nurse visit/clot/fit)".
```

NOTE: Derivation for Years 2-4 – includes separate clotb and fit variables for children and adults

```
SPSS Syntax

compute bsoute=0.
if pregntj=1 bsoute=5.
recode samptak4 (1=1)(2=2)(3=3) into bsoute.
recode nuroutc(lo thru 800,820 thru hi=5) into bsoute.
if any(2,bswill,noametop,tbswill,tbswill2,noameto2,tbswill3,noameto3) bsoute=4.
if
any(1,clotbc,clotba,fita,fitc,tclotbc,tclotba,tfitc,tfita,tclotbc2,tclotba2,tfitc2,tfita2
,tclotbc3,tclotba3,tfitc3,tfita3) bsoute=5.
var lab bsoute "(D) Blood outcome".
value labels bsoute
 1 "Blood sample obtained - all full"
 2 "Blood sample obtained - not all full"
 3 "No blood sample obtained"
 4 "Refused"
 5 "Ineligible (No nurse visit/clot/fit)".
```

Measurements

HBLITRES (D) Haemoglobin converted to litres (g/L)

```
SPSS Syntax

do if hb>0.
COMPUTE Hblitres = hb * 10 .
ELSE.
COMPUTE Hblitres = hb.
end if.
var lab Hblitres "(D) Haemoglobin converted to litres (g/L)".
```

HB (D) Haemoglobin converted to decilitres (g/dL)

```
SPSS Syntax

do if Hblitres>0.
COMPUTE hb = Hblitres / 10 .
ELSE.
COMPUTE hb = Hblitres.
end if.
var lab hb "(D) Haemoglobin converted to decilitres (g/dL)".
```

ATCCHOLRATIO (D) Calculation of ATC:total cholesterol ratio

```
SPSS Syntax

do if atc>0 & chol>0.
COMPUTE Atccholratio = atc / chol .
ELSE.
COMPUTE Atccholratio =-1.
end if.
formats Atccholratio (F3.2).
var lab Atccholratio "(D) Calculation of ATC:total cholesterol ratio".
```

To derive the per cent below/above a threshold variable, users should adapt the example syntax provided below for Vitamin C. Threshold variables are included in the NDNS RP Years 1-4 report but are not included in the archive datasets.

∗BLOTARGETVITC (D) Below threshold for Vitamin C
- 1   Below cut off (<11)
- 10   Above cut off (>=11)

```
SPSS Syntax

IF (VitC > 0 & VitC < 11) blotargetvitC = 1.
IF (VitC >= 11) blotargetvitC = 10.
EXECUTE .
VARIABLE LABELS blotargetvitC "Below threshold for Vitamin C".
VALUE LABELS blotargetvitC
1 'Below cut-off (<11)'
10 'Above cut-off (>=11)'.
```

∗ Syntax shown as an exemplar; variable not included on NDNS RP Years 7-8 datasets

To derive the 25-OHD by season variable, users should use the example syntax provided below. 25-OHD is split by season in the NDNS RP Years 1-4 report but the archive dataset does not include a specific 25-OHD by season variable

∗SEASONALITYV25OHD (D) 25-OHD split by season
- 1 Jan to March
- 2 April to June
- 3 July to Sept
- 4 Oct to Dec

```
SPSS Syntax

IF (bloodmth >= 1 & bloodmth <= 3) Seasonalityv25OHD = 1.
IF (bloodmth >= 4 & bloodmth <= 6) Seasonalityv25OHD = 2.
IF (bloodmth >= 7 & bloodmth <= 9) Seasonalityv25OHD = 3.
IF (bloodmth >= 10 & bloodmth <= 12) Seasonalityv25OHD = 4.
VALUE LABELS Seasonalityv25OHD '1' 'Jan to March' '2' 'April to June' '3' 'July to Sept'
'4' 'Oct to Dec'.
```

Spot urine sample

Admin

WILLSPTUR (D) Willing to provide spot urine sample

    1   Willing
    2   Not willing
    3   Not eligible

```
SPSS Syntax

numeric WillSptUr (F2.0).
recode iuragr (lo thru hi=copy) into WillSptUr.
if age<4 | (iureli=1) WillSptUr=3.
var label WillSptUr '(D) Willing to provide spot urine sample'.
value label WillSptUr
 1 'Willing'
 2 'Not willing'
 3 'Not eligible'.
```

SPTUROC (D) Spot urine outcome

    1   Spot urine taken
    2   No urine taken
    3   Not eligible

```
SPSS Syntax

NUMERIC spturoc (F2.0).
recode IUrSam (lo thru hi=copy) into spturoc.
if age<4 | (iureli=1) | (iurcon2=1 & any(-1,1, iurcon3)) | IUragr>1 spturoc=3.
VARIABLE LABELS spturoc '(D) Spot urine outcome'.
VALUE LABELS spturoc
 1 'Spot urine taken'
 2 'No urine taken'
 3 'Not eligible'.
```

Day level dietary data - nutrients

Nutrients (diet only)

FOODEKCAL: Food energy (kcal) diet only

SPSS Syntax

COMPUTE FoodEkcal = Energykcal-(alcoholg*7).

FOODEKJ: Food energy (kJ) diet only

SPSS Syntax

COMPUTE FoodEkj = EnergykJ-(alcoholg*29).

Disaggregated foods

NOTE: In order to create the disaggregation variables at the mean/person level, each variable is aggregated in SPSS. For all of the variables below, the specified derived variable syntax is run before aggregation.

To calculate 5-A-Day variables it was decided to exclude foods that fell into the 'high fat / high sugars' segment of the Eatwell Guide on the grounds that healthy eating advice is to reduce consumption of foods in this group, so it would not be appropriate to include their fruit and vegetable content in the 5-A-Day estimates.

SPSS Syntax

```
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE CONCENTRATED".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE CARBONATED".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE RTD STILL".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS LOW CALORIE CONCENTRATED".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS LOW CALORIE CARBONATED".
SELECT IF NOT SubFoodGroupDesc = "SOFT DRINKS LOW CALORIE RTD STILL".
SELECT IF NOT SubFoodGroupDesc = "SUGAR CONFECTIONERY".
SELECT IF NOT SubFoodGroupDesc = "CHOCOLATE CONFECTIONERY".
SELECT IF NOT SubFoodGroupDesc = "BISCUITS MANUFACTURED / RETAIL".
SELECT IF NOT SubFoodGroupDesc = "BISCUITS HOMEMADE".
SELECT IF NOT SubFoodGroupDesc = "BUNS CAKES & PASTRIES MANUFACTURED".
SELECT IF NOT SubFoodGroupDesc = "BUNS CAKES & PASTRIES HOMEMADE".
SELECT IF NOT SubFoodGroupDesc = "SUGAR".
SELECT IF NOT SubFoodGroupDesc = "PRESERVES".
SELECT IF NOT SubFoodGroupDesc = "SWEET SPREADS FILLINGS AND ICING".
SELECT IF NOT SubFoodGroupDesc = "CRISPS AND SAVOURY SNACKS".
SELECT IF NOT SubFoodGroupDesc = "ICE CREAM".
EXECUTE.

SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE CONCENTRATED".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE CARBONATED".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS NOT LOW CALORIE RTD STILL".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS LOW CALORIE CONCENTRATED".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS LOW CALORIE CARBONATED".
SELECT IF NOT RecipeSubFoodGroupDesc = "SOFT DRINKS LOW CALORIE RTD STILL".
SELECT IF NOT RecipeSubFoodGroupDesc = "SUGAR CONFECTIONERY".
SELECT IF NOT RecipeSubFoodGroupDesc = "CHOCOLATE CONFECTIONERY".
SELECT IF NOT RecipeSubFoodGroupDesc = "BISCUITS MANUFACTURED / RETAIL".
SELECT IF NOT RecipeSubFoodGroupDesc = "BISCUITS HOMEMADE".
SELECT IF NOT RecipeSubFoodGroupDesc = "BUNS CAKES & PASTRIES MANUFACTURED".
SELECT IF NOT RecipeSubFoodGroupDesc = "BUNS CAKES & PASTRIES HOMEMADE".
SELECT IF NOT RecipeSubFoodGroupDesc = "SUGAR".
SELECT IF NOT RecipeSubFoodGroupDesc = "PRESERVES".
SELECT IF NOT RecipeSubFoodGroupDesc = "SWEET SPREADS FILLINGS AND ICING".
```

```
SELECT IF NOT RecipeSubFoodGroupDesc = "CRISPS AND SAVOURY SNACKS".
SELECT IF NOT RecipeSubFoodGroupDesc = "ICE CREAM".
EXECUTE.
```

DRIEDFRUITX3: Dried fruit g x 3

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Driedfruitx3 = DriedFruitg * 3 .
IF (AGE <11) Driedfruitx3=-5.
EXECUTE .
VALUE LABELS Driedfruitx3 '-5' '<11 years. No current recommendations provided for this
age group'.
```

FRUITJUICEMAX: Fruit juice g (maximum 150g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (Fruitjuiceg > 150) fruitjuicemax = 150 .
IF (Fruitjuiceg <= 150) fruitjuicemax = Fruitjuiceg  .
IF (AGE <11) fruitjuicemax=-5.
EXECUTE .
VALUE LABELS fruitjuicemax '-5' '<11 years. No current recommendations provided for this
age group'.
```

SMOOTHIEFRUITMAX: Fruit from smoothies g (maximum 160g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (SmoothieFruitg > 160) smoothiefruitmax = 160.
IF (SmoothieFruitg <= 160) smoothiefruitmax= SmoothieFruitg .
IF (AGE <11) smoothiefruitmax =-5.
EXECUTE .
VALUE LABELS smoothiefruitmax '-5' '<11 years. No current recommendations provided for
this age group'.
```

TOMPUREEX5: Tomato puree g x 5

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Tompureex5 = TomatoPureeg * 5 .
IF (AGE <11) Tompureex5 =-5.
EXECUTE .
VALUE LABELS Tompureex5 '-5' '<11 years. No current recommendations provided for this age
group'.
```

BEANSMAX: Beans g (maximum 80g)

-5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (Beansg > 80) beansmax = 80 .
IF (Beansg <= 80) beansmax = Beansg .
IF (AGE <11) beansmax=-5.
EXECUTE .
VALUE LABELS beansmax'-5' '<11 years. No current recommendations provided for this age
group'.
```

Person level dietary data

Nutrients (diet only)

FOODEKCAL: Food energy (kcal) diet only

```
SPSS Syntax

COMPUTE FoodEkcal = Energykcal-(alcoholg*7).
```

FOODEKJ: Food energy (kJ) diet only

```
SPSS Syntax

COMPUTE FoodEkj = EnergykJ-(alcoholg*29).
```

∗PERCENT CONSUMERS Percentage of participants consuming this food
*Percent consumers are derived using the custom tables command in SPSS to get **Valid N** and **Total N** then divided in excel*

```
Excel calculation

Percent consumers = Valid N / Total N *100
```

Dietary reference values

Deriving "plus supps" variables for micronutrient intakes as a percentage of the RNI and the percentage of participants below the LRNI for minerals

All nutrients appear twice in the dataset; as the contribution from food sources only and as the contribution from all sources (food sources plus supplement sources). The variables from all sources have "plus supps" in the variable name. To derive micronutrient intakes as a percentage of the RNI and the percentage of participants below the LRNI for minerals, the same syntax was used as the "plus supps" variables were originally in a separate file. Example syntax has been provided below for iron, but this syntax can be adapted for any mineral of vitamin.

For any analysis involving supplement takers only, please filter the dataset using SUPPTAKER variable.

To derive the variables for the "plus supps" version of the RNI and below LRNI variables, users should adapt the syntax used for the "food sources only" variables.

```
SPSS Syntax Example 1

COMPUTE PCRNIIron = Ironmg / Ironrni*100 .
EXECUTE .

becomes

COMPUTE PCRNIplussuppsIron = Ironmgplussupps / Ironrni*100 .
EXECUTE .
```

∗ Syntax shown as an exemplar; variable not included in NDNS RP Years 7-8 dataset

```
SPSS Syntax Example 2

IF (Ironmg < Ironlrni) bloironlrni =1 .
EXECUTE .

becomes

IF (Ironmgplussupps < Ironlrni) bloironlrniplussupps =1 .
EXECUTE .
```

Meeting recommendation variables need to be derived for Free sugars (% total energy) and AOAC (g).

```
SPSS Syntax Example 3

IF (FreesugarspctotE < 5) bloFreesugarspctotE =1 .
EXECUTE .


IF (AGE <= 4 & AOACfibreg > 15) bloAOACfibreg =1 .
IF (AGE >= 5 & AGE <= 10 & AOACfibreg > 20) bloAOACfibreg =1 .
IF (AGE <= 11 & AGE <= 15 & AOACfibreg > 25) bloAOACfibreg =1 .
IF (AGE <= 16 & AOACfibreg > 30) bloAOACfibreg =1 .
EXECUTE .
```

Please note that thiamin, niacin equivalents and Vitamin B6 require new variables to be derived for comparison to the LRNIs.

```
SPSS Syntax Example 4

COMPUTE Thiaminmgper1000kcal = Thiaminmg / Energykcal * 1000 .
EXECUTE .
```

Food groups (including disaggregated foods)

BEANSMAX: Beans g (maximum 80g)

    -5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (Beansg > 80) beansm80 = 80 .
IF (Beansg <= 80) beansm80 = Beansg .
COMPUTE  beansmax = MEAN(beansm80) .
IF (AGE <11) beansmax=-5.
EXECUTE .
VALUE LABELS beansmax'-5' '<11 years. No current recommendations provided for this age
group'.
```

FRUITJUICEMAX: Fruit juice g (max 150g)

    -5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (Fruitjuiceg > 150) fruitjuicem150 = 150 .
IF (Fruitjuiceg <= 150) fruitjuicem150 = Fruitjuiceg  .
COMPUTE fruitjuicemax = MEAN(fruitjuicem150) .
IF (AGE <11) fruitjuicemax=-5.
EXECUTE .
VALUE LABELS fruitjuicemax '-5' '<11 years. No current recommendations provided for this
age group'.
```

SMOOTHIEFRUITMAX: Fruit from smoothies g (max 160g)

-5   <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (SmoothieFruitg > 160) smoothiefruitm160 = 160.
IF (SmoothieFruitg <= 160) smoothiefruitm160= SmoothieFruitg .
COMPUTE smoothiefruitmax = MEAN(smoothiefruitm160) .
IF (AGE <11) smoothiefruitmax =-5.
EXECUTE .
VALUE LABELS smoothiefruitmax '-5' '<11 years. No current recommendations provided for
this age group'.
```

DRIEDFRUITX3: Dried fruit g x 3

-5   <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Driedfruitmultx3 = DriedFruitg * 3 .
COMPUTE Driedfruitx3 = MEAN(Driedfruitmultx3) .
IF (AGE <11) Driedfruitx3=-5.
EXECUTE .
VALUE LABELS Driedfruitx3 '-5' '<11 years. No current recommendations provided for this
age group'.
```

TOMPUREEX5: Tomato puree g x 5

-5   <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Tompureemultx5 = TomatoPureeg * 5 .
EXECUTE .
COMPUTE Tompureex5 = MEAN(Tompureemultpx5) .
IF (AGE <11) Tompureex5 =-5.
EXECUTE .
VALUE LABELS Tompureex5 '-5' '<11 years. No current recommendations provided for this age
group'.
```

FRUITVEGPORTIONS: Portions of fruit and vegetables (80g)

-5   <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Fruitvegportions = (Fruitg + Driedfruitx3 + Tompureex5 + beansmax + Brassicaceaeg
+ YellowRedGreeng + Othervegg + Tomatoesg) / 80 .
IF (AGE <11) Fruitvegportions =-5.
EXECUTE .
VALUE LABELS Fruitvegportions  '-5' '<11 years. No current recommendations provided for
this age group'.
```

FRUITJUICEPORTIONS: Fruit juice portions (150g)

-5   <11 years. No current recommendations provided for this age group

```
SPSS Syntax
COMPUTE Fruitjuiceportions = fruitjuicemax / 150 .
IF (AGE <11) Fruitjuiceportions =-5.
EXECUTE .
VALUE LABELS Fruitjuiceportions  '-5' '<11 years. No current recommendations provided for
this age group'.
```

SMOOTHIEFRUITPORTIONS: Smoothie fruit portions (160g)

    -5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE SmoothieFruitportions = smoothiefruitmax / 160.
IF (AGE <11) SmoothieFruitportions =-5.
EXECUTE .
VALUE LABELS SmoothieFruitportions '-5' '<11 years. No current recommendations provided
for this age group'.
```

TOTFRUITVEGPORTIONS: "5-a-day" portions (portions/day)

    -5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

COMPUTE Totfruitvegportions = Totfruitvegportions = Fruitvegportions + Fruitjuiceportions
+ SmoothieFruitportions .
IF (AGE <11) Totfruitvegportions =-5.
EXECUTE .
VALUE LABELS Totfruitvegportions  '-5' '<11 years. No current recommendations provided
for this age group'.
```

ACHIEVE5: Consuming 5 or more portions per day of fruit and vegetables

    1   Yes
    2   No
    -5 <11 years. No current recommendations provided for this age group

```
SPSS Syntax

IF (Totfruitvegportions >= 5) Achieve5 = 1.
RECODE Achieve5 (SYSMIS=2).
IF (AGE <11) ACHIEVE5 =-5.
EXECUTE.
VALUE LABELS  Achieve5
'1' 'Yes'
'2' 'No'
'-5' '<11 years. No current recommendations provided for this age group'..
```

TOTALVEG: Total vegetables

```
SPSS Syntax

COMPUTE totalveg = Beansg + Brassicaceaeg + OtherVegg + Tomatoesg + TomatoPureeg +
YellowRedGreeng.
```

TOTALFRUIT: Total fruit (not including juice)

```
SPSS Syntax

COMPUTE totalfruit = Fruitg + DriedFruitg + SmoothieFruitg.
```

TOTALFRUITANDVEG: Total fruit (not including juice) and vegetables

```
SPSS Syntax

COMPUTE totalfruitandveg = totalfruit + totalveg .
EXECUTE
```

TOTALFISH: Total fish (incl from composite dishes) (g)

```
SPSS Syntax

COMPUTE totalfish = WhiteFishg + OilyFishg + CannedTunag + Shellfishg.
EXECUTE .
```

TOTALREDMEAT: Total red meat (incl from composite dishes) (g)

```
SPSS Syntax

COMPUTE totalredmeat = Beefg + Burgersg + Lambg + Offalg + OtherRedMeatg + Porkg +
ProcessedRedMeatg + Sausagesg.
EXECUTE .
```

TOTALWHITEMEAT: Total white meat (incl from composite dishes) (g)

```
SPSS Syntax

COMPUTE totalwhitemeat = GameBirdsg + ProcessedPoultryg + Poultryg.
EXECUTE .
```

TOTALMEAT: Total meat (incl from composite dishes) (g)

```
SPSS Syntax

COMPUTE totalmeat = Beefg + Burgersg + Lambg + Offalg + OtherRedMeatg + Porkg +
ProcessedRedMeatg + Sausagesg + GameBirdsg + ProcessedPoultryg + Poultryg.
EXECUTE .
```

Percent contribution of food groups to nutrient intakes

Variables calculating the percentage contribution of food groups to nutrient intakes do not appear in the NDNS_RP_Yr7-8A_FoodLevelDietaryData dataset, However, an example of the syntax used to derive these variables for the NDNS RP Yr7-8 report is provided here.

This example shows the syntax to derive the contribution of all food groups to energy intake. This syntax should be run on the NDNS_RP_Yr7-8A_FoodLevelDietaryData dataset. For other nutrients, users should adapt the syntax used below by replacing the nutrient variable in the third line i.e. for contribution of all food groups to total fat intake replace Energy_kcal with.Fat_g and rename the derived variable throughout:

e.g. ENERGY_sum=SUM(Energykcal)

becomes

FAT_sum=SUM(Fatg)

```
SPSS syntax example

AGGREGATE
/BREAK=seriali RecipeMainFoodGroupDesc
/ENERGY_sum=SUM(Energykcal).


AGGREGATE
/BREAK=seriali DayofWeek
/Age_mean=MEAN(Age).

AGGREGATE
/BREAK=seriali
/DayCount= DiaryDaysCompleted.

COMPUTE ENERGY_sum_Average = ENERGY_sum/ DayCount.

AGGREGATE
/OUTFILE=* MODE=ADDVARIABLES
/BREAK=seriali
/ENERGY_sum_Average_sum=SUM(ENERGY_sum_Average).

COMPUTE pcEnergykcal= (ENERGY_sum_Average/ENERGY_sum_Average_sum)*100.

SORT CASES BY seriali RecipeMainFoodGroupDesc.

CASESTOVARS
/ID=seriali
  /INDEX=RecipeMainFoodGroupDesc
  /GROUPBY=VARIABLE.

COMPUTE pcEnergykcal.CerealProducts=pcEnergykcal.PASTARICEANDOTHERCEREALS+
pcEnergykcal.WHITEBREAD+pcEnergykcal.WHOLEMEALBREAD+pcEnergykcal.BROWNGRANARYANDWHEATGERM
BREAD+pcEnergykcal.OTHERBREAD+pcEnergykcal.HIGHFIBREBREAKFASTCEREALS+pcEnergykcal.OTHERBR
EAKFASTCEREALS+pcEnergykcal.BISCUITS+pcEnergykcal.BUNSCAKESPASTRIESANDFRUITPIES+pcEnergyk
cal.PUDDINGS.

COMPUTE
pcEnergykcal.Cheese=pcEnergykcal.CHEDDARCHEESE+pcEnergykcal.COTTAGECHEESE+pcEnergykcal.OT
HERCHEESE.

COMPUTE
pcEnergykcal.MilkProducts=pcEnergykcal.WHOLEMILK+pcEnergykcal.SEMISKIMMEDMILK+pcEnergykca
l.SKIMMEDMILK+pcEnergykcal.OnePercentFatMilk+pcEnergykcal.OTHERMILKANDCREAM+pcEnergykcal.
CHEDDARCHEESE+pcEnergykcal.COTTAGECHEESE+pcEnergykcal.OTHERCHEESE+pcEnergykcal.YOGURTFROM
AGEFRAISANDDAIRYDESSERTS+pcEnergykcal.ICECREAM
```

```
COMPUTE
pcEnergykcal.FatSpreads=pcEnergykcal.BUTTER+pcEnergykcal.REDUCEDFATSPREADPOLYUNSATURATED+
pcEnergykcal.REDUCEDFATSPREADNOTPOLYUNSATURATED+pcEnergykcal.POLYUNSATURATEDLOWFATSPREAD+
pcEnergykcal.LOWFATSPREADNOTPOLYUNSATURATED+pcEnergykcal.PUFAMARGARINEANDOILS+pcEnergykca
l.OTHERMARGARINEFATSANDOILS.

COMPUTE
pcEnergykcal.MeatProducts=pcEnergykcal.BACONANDHAM+pcEnergykcal.BEEFVEALANDDISHES+pcEnerg
ykcal.LAMBANDDISHES+pcEnergykcal.PORKANDDISHES+pcEnergykcal.COATEDCHICKEN+pcEnergykcal.CH
ICKENANDTURKEYDISHES+pcEnergykcal.LIVERANDDISHES+pcEnergykcal.BURGERSANDKEBABS+pcEnergykc
al.SAUSAGES+pcEnergykcal.MEATPIESANDPASTRIES+pcEnergykcal.OTHERMEATANDMEATPRODUCTS.

COMPUTE
pcEnergykcal.FishDishes=pcEnergykcal.WHITEFISHCOATEDORFRIED+pcEnergykcal.OTHERWHITEFISHSH
ELLFISHANDFISHDISHES+pcEnergykcal.OILYFISH.

COMPUTE
pcEnergykcal.VegetablesPotatoes=pcEnergykcal.SALADANDOTHERRAWVEGETABLES+pcEnergykcal.VEGE
TABLESNOTRAW+pcEnergykcal.CHIPSFRIEDANDROASTPOTATOESANDPOTATOPRODUCTS+pcEnergykcal.OTHERP
OTATOESPOTATOSALADSANDDISHES.

COMPUTE
pcEnergykcal.SugarPreservesConfectionery=pcEnergykcal.SUGARSPRESERVESANDSWEETSPREADS+pcEn
ergykcal.SUGARCONFECTIONERY+pcEnergykcal.CHOCOLATECONFECTIONERY.

COMPUTE
pcEnergykcal.FruitJuiceMain=pcEnergykcal.FRUITJUICE+pcEnergykcal.SMOOTHIES100PercentFRUIT
ANDORJUICE.

COMPUTE
pcEnergykcal.NonAlcoholicBeverages=pcEnergykcal.FruitJuiceMain+pcEnergykcal.SOFTDRINKSNOT
LOWCALORIE+pcEnergykcal.SOFTDRINKSLOWCALORIE+pcEnergykcal.TEACOFFEEANDWATER.

COMPUTE
pcEnergykcal.AlcoholicBeverages=pcEnergykcal.SPIRITSANDLIQUEURS+pcEnergykcal.WINE+pcEnerg
ykcal.BEERLAGERCIDERANDPERRY.

COMPUTE
pcEnergykcal.SoupManufacturedHomemade=pcEnergykcal.SOUPHOMEMADE+pcEnergykcal.SOUPMANUFACT
UREDRETAIL

COMPUTE
pcEnergykcal.Miscellaneous=pcEnergykcal.BEVERAGESDRYWEIGHT+pcEnergykcal.SoupManufacturedH
omemade+pcEnergykcal.SAVOURYSAUCESPICKLESGRAVIESANDCONDIMENTS+pcEnergykcal.COMMERCIALTODD
LERSFOODSANDDRINKS+pcEnergykcal.NUTRITIONPOWDERSANDDRINKS.

EXECUTE.
```