National Diet and Nutrition Survey
Years 1-4 – 2008/09-2011/12

List of Variables for UK Data

Contents

Introduction

This document should be used as the starting point to analysing the NDNS UK Years 1-4 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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
LLORD	Landlord of household	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	✓	✓	✓	✓
HHLDR10	Accommodation owned/rented by person 10	Hhold	✓	✓	✓	✓

[1] Variable renamed SERIALH in archived dataset

Individual

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	✔	✔	✔	✔
MARSTAT	Legal marital status	Indiv	✔	✔	✘	✘
LIVEWITH	Whether living together as a couple	Indiv	✔	✔	✘	✘
MARST2	Legal marital status	Indiv	✘	✘	✔	✔
LIVEW2	Whether living together as a couple	Indiv	✘	✘	✔	✔

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
DIARYD	Number of diary days completed	Indiv	✔	✔	✔	✔
QUARTER4	(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	✔	✔	✔	✔

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[2] Variable renamed SERIALI in archived dataset

* Variable removed from archived dataset for reasons of confidentiality

MFPNUM	Person number of main food provider from HHGrid	Hhold	✓	✓	✓	✓
NHSCAN*	Consent to NHSCR	Indiv	✓	✓	✓	✓
RECONTACT*	Permission to contact for further DH projects	Indiv	✓	✓	✓	✓

Booklet admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
EDUCFIN	Age finished full time education	Indiv	✓	✓	✓	✓
QUALCH	Any qualifications	Indiv	✓	✓	✓	✓
QUAL	Which qualifications	Indiv	✓	✓	✓	✓
QUAL7	(D) Qualifications gained, grouped	Derived	✓	✓	✓	✓

Employment

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
HRPWRKS	HRP working	Hhold	✓	✓	✓	✓
WRKSTAT	Economic status	Hhold	✓	✓	✓	✓
PTWORK	Has job as well as studying	Hhold	✓	✓	✓	✓
EVERWK	Ever had paid 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	✗	✗	✗	✓
SOC2000B	HRP: SOC 2000 (grouped)	Hhold	✓	✓	✓	✓
SIC2007B	HRP: Standard Industrial Classification 2007 (grouped)	Hhold	✓	✓	✓	✓
NSSEC8	(D) NS-SEC 8 variable classification (hrp)	Derived	✓	✓	✓	✓

Ethnicity

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
ETHGR5	(D) Ethnic group, 5 groups	Derived	✓	✓	✓	✓
ETHGR2	(D) Ethnic group, 2 groups	Derived	✓	✓	✓	✓
ETHGRU	UK Ethnic group	Hhold	✓	✓	✓	✓
ETHGRG	GB Ethnic group	Hhold	✓	✓	✓	✓
ETHGRN	NI Ethnic group	Hhold	✓	✓	✓	✓
NATIDUK	UK National identity	Hhold	✓	✓	✓	✓
NATIDGB	GB National identity	Hhold	✓	✓	✓	✓
NATIDNI	NI National identity	Hhold	✓	✓	✓	✓

Income

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
EQVINC	(D) Equivalised household income	Derived	✓	✓	✓	✓
MCCLEM	(D) McClements equivalence score	Derived	✓	✓	✓	✓
HHINC	Total household income last 12 months	Indiv	✓	✓	✓	✓
BENEFITS	Claiming benefit: Working families tax credit	Indiv	✗	✗	✓	✗
BENEFIT2	Claiming benefit: Income support	Indiv	✗	✗	✓	✗
BENEFIT3	Claiming benefit: Income based job-seekers allowance	Indiv	✗	✗	✓	✗
BENEFIT4	Claiming benefit: None of these	Indiv	✗	✗	✓	✗
BENEFT1Y4	Claiming benefit: Working tax credit	Indiv	✗	✗	✗	✓
BENEFT2Y4	Claiming benefit: Child tax credit	Indiv	✗	✗	✗	✓
BENEFT3Y4	Claiming benefit: Income support	Indiv	✗	✗	✗	✓
BENEFT4Y4	Claiming benefit: Income-based job-seekers allowance	Indiv	✗	✗	✗	✓

BENEFT5Y4	Claiming benefit: None of these	Indiv	✘	✘	✘	✔

Nurse admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	✔	✔	✔	✔
URINEMTH	Month of urine collection	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 1	Year 2	Year 3	Year 4
RHRP	HRP is respondents…	Hhold	✔	✔	✘	✘
R01	Person 1's relationship to respondent	Hhold	✔	✔	✘	✘
R02	Person 2's relationship to respondent	Hhold	✔	✔	✘	✘
R03	Person 3's relationship to respondent	Hhold	✔	✔	✘	✘
R04	Person 4's relationship to respondent	Hhold	✔	✔	✘	✘
R05	Person 5's relationship to respondent	Hhold	✔	✔	✘	✘
R06	Person 6's relationship to respondent	Hhold	✔	✔	✘	✘

R07	Person 7's relationship to respondent	Hhold	✓	✓	✗	✗
R08	Person 8's relationship to respondent	Hhold	✓	✓	✗	✗
R09	Person 9's relationship to respondent	Hhold	✓	✓	✗	✗
R10	Person 10's relationship to respondent	Hhold	✓	✓	✗	✗
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	✗	✗	✓	✓
REL10	Person 10'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 1	Year 2	Year 3	Year 4
REGION	(D) Country/region	Derived	✓	✓	✓	✓
GOR	Government Office Region	Sample	✓	✓	✓	✓
QIMD	Quintile of IMD score (England, 2010)	Sample	✓	✓	✓	✓
TNIMD	NI: IMD 2010 tertiles	Sample	✓	✓	✓	✓
QSIMD12	Scottish Index of Multiple Deprivation 2012 quintiles	Sample	✓	✓	✓	✓
POINT[3]	Primary sampling unit (PSU)	Sample	✓	✓	✓	✓
ADDRESS[4]	Address number	Sample	✓	✓	✓	✓
STRATA[5]	Stratification level	Sample	✓	✓	✓	✓

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

Variable	Description	Source				
STRATA_NISCOT	Strata for NI and Scotland sample analysis	Sample	✓	✓	✓	✓
SAMPTYPE	Sample type	Sample	✓	✓	✓	✓
SCRTYPE	Core or child boost	Sample	✓	✓	✓	✓
COUNTRY	(D) Country	Derived	✓	✓	✓	✓
SURVEYYR	Survey year	Sample	✓	✓	✓	✓

Weighting

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
WTI_CY1234	Weight for individual and diary – all ages, CORE only combined Y1-4	Other	✓	✓	✓	✓
WTN_CY1234	Weight for nurse – all ages, CORE only combined Y1-4	Other	✓	✓	✓	✓
WTR_CY1234	Weight for RPAQ – all ages, CORE only combined Y1-4	Other	✓	✓	✓	✓
WTB_CY1234	Weight for blood – all ages, CORE only combined Y1-4	Other	✓	✓	✓	✓
WTU_CY1234v1	Weight for urine – CORE only combined Y1-4 - standard adult criteria for 4-10s	Other	✓	✓	✓	✓
WTU_CY1234v2	Weight for urine – CORE only combined Y1-4 - complete by claim for 4-10s	Other	✓	✓	✓	✓
WTI_UKY1234	Weight for individual and diary – all ages, UK combined Y1-4	Other	✓	✓	✓	✓
WTN_UKY1234	Weight for nurse – all ages, UK combined Y1-4	Other	✓	✓	✓	✓
WTR_UKY1234	Weight for RPAQ – all ages, UK combined Y1-4	Other	✓	✓	✓	✓
WTB_UKY1234	Weight for blood – all ages, UK combined Y1-4	Other	✓	✓	✓	✓
WTU_UKY1234v1	Weight for urine – UK combined Y1-4 - standard adult criteria for 4-10s	Other	✓	✓	✓	✓
WTU_UKY1234v2	Weight for urine – UK combined Y1-4 - complete by claim for 4-10s	Other	✓	✓	✓	✓
WTA_UKY1234	Weight for ActiGraph – UK Yr1-4 combined	Other	✓	✓	✓	✓
WTI_NIY1234	Weight for individual and diary-all ages, Northern Ireland - combined Y1-4	Other	✓	✓	✓	✓
WTN_NIY1234	Weight for nurse-all ages, Northern Ireland - combined Y1-4	Other	✓	✓	✓	✓
WTR_NIY1234	Weight for RPAQ-all ages, Northern Ireland - combined Y1-4	Other	✓	✓	✓	✓
WTB_NIY1234	Weight for blood- NI - combined Y1-4	Other	✓	✓	✓	✓
WTU_NIY1234V1	Weight for urine - NI Y1-4 - standard adult criteria for 4-10s	Other	✓	✓	✓	✓
WTU_NIY1234V2	Weight for urine - NI Y1-4 - complete by claim for 4-10s	Other	✓	✓	✓	✓
WTA_NIY1234	Weight for ActiGraph - NI Y1-4	Other	✓	✓	✓	✓
WTI_SCY1234	Weight for individual and diary-all ages, Scotland - combined	Other	✓	✓	✓	✓

	Y1-4					
WTN_SCY1234	Weight for nurse-all ages, Scotland - combined Y1-4	Other	✓	✓	✓	✓
WTR_SCY1234	Weight for RPAQ-all ages, Scotland - combined Y1-4	Other	✓	✓	✓	✓
WTB_SCY1234	Weight for blood- Scotland - combined Y1-4	Other	✓	✓	✓	✓
WTU_SCY1234V1	Weight for urine - Scotland Y1-4 - standard adult criteria for 4-10s	Other	✓	✓	✓	✓
WTU_SCY1234V2	Weight for urine - Scotland Y1-4 - complete by claim for 4-10s	Other	✓	✓	✓	✓
WTA_SCY1234	Weight for ActiGraph - Scotland Y1-4	Other	✓	✓	✓	✓

MAIN FOOD PROVIDER

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓

Cooking facilities

Variable	Description	Source	Year 1	Year 2	Year 3	
KITCH	Have Kitchen	MFP	✓	✓	✓	✓
HOTMEAL	Cook Hot Meal	MFP	✓	✓	✓	✓
EQUIP1	Have Equipment: ...a refrigerator?	MFP	✓	✓	✓	✓
EQUIP2	Have Equipment: a freezer (excluding freezer compartment at top of fridge)?	MFP	✓	✓	✓	✓
EQUIP3	Have Equipment: a microwave oven?	MFP	✓	✓	✓	✓
EQUIP4	Have Equipment: a gas or electric hob (ring)?	MFP	✓	✓	✓	✓
EQUIP5	Have Equipment: an oven?	MFP	✓	✓	✓	✓
EQUIP6	Have Equipment: None of these	MFP	✓	✓	✓	✓
SHAREKIT	Share kitchen: Yes, shares with other household members (OUTSIDE OF CATERING UNIT)	MFP	✓	✓	✓	✓
SHAREKI2	Share kitchen: Yes, shares with others OUTSIDE OF HOUSEHOLD	MFP	✓	✓	✓	✓
SHAREKI3	Share kitchen: No, doesn t share	MFP	✓	✓	✓	✓
SHARWHOH	Who do you share the kitchen with?	MFP	✓	✓	✓	✓
DINTAB	Dining table	MFP	✓	✓	✓	✓
STOREOK	Food store OK	MFP	✓	✓	✓	✓
STOREOK2	Inadequate Storage: Not enough cupboard space	MFP	✓	✓	✓	✓
STOREOK3	Inadequate Storage: Fridge is too small (or no fridge available)	MFP	✓	✓	✓	✓
STOREOK4	Inadequate Storage: Freezer is too small (or no freezer available)	MFP	✓	✓	✓	✓

			Year 1	Year 2	Year 3	Year 4
STOREOK5	Inadequate Storage: Damp/mouldy	MFP	✔	✔	✔	✔
STOREOK6	Inadequate Storage: Infested with rodents or insects	MFP	✔	✔	✔	✔
STOREOK7	Inadequate Storage: Not secure	MFP	✔	✔	✔	✔
STOREOK8	Inadequate Storage: Other	MFP	✔	✔	✔	✔
STOREOK9	Influence shopping	MFP	✔	✔	✔	✔
STOREO10	How inadeq storage Influ shopping: Cannot buy in bulk	MFP	✔	✔	✔	✔
STOREO11	How inadeq storage Influ shopping: Have to shop more often	MFP	✔	✔	✔	✔
STOREO12	How inadeq storage Influ shopping: Inadequate storage space for FRESH food	MFP	✔	✔	✔	✔
STOREO13	How inadeq storage Influ shopping: Inadequate storage space for FROZEN food	MFP	✔	✔	✔	✔
STOREO14	How inadeq storage Influ shopping: Other	MFP	✔	✔	✔	✔
STORESHR	Share food store	MFP	✔	✔	✔	✔
SSHRINF	Does sharing storage influence shopping	MFP	✔	✔	✔	✔

Shopping habits

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
SHOP1	Where shop: Large supermarket, including home delivery from supermarket	MFP	✔	✔	✔	✔
SHOP2	Where shop: Mini supermarket (e.g. Tesco Metro)	MFP	✔	✔	✔	✔
SHOP3	Where shop: Local/corner shop (including newsagents)	MFP	✔	✔	✔	✔
SHOP4	Where shop: Garage forecourt	MFP	✔	✔	✔	✔
SHOP5	Where shop: Independent greengrocer	MFP	✔	✔	✔	✔
SHOP6	Where shop: Independent butcher	MFP	✔	✔	✔	✔
SHOP7	Where shop: Independent baker	MFP	✔	✔	✔	✔
SHOP8	Where shop: Independent fishmonger	MFP	✔	✔	✔	✔
SHOP9	Where shop: Market (including stalls or farmer s markets)	MFP	✔	✔	✔	✔
SHOP10	Where shop: Farm	MFP	✔	✔	✔	✔
SHOP11	Where shop: Home delivery (including vegetable boxes) - not from a supermarket	MFP	✔	✔	✔	✔
SHOP12	Where shop: Other	MFP	✔	✔	✔	✔
NUMSHOP	Number of different types of shop used	MFP	✔	✔	✔	✔
MAINSHP	Main shop	MFP	✔	✔	✔	✔
SHOPOFT	How often go to supermarket/shop where do main shopping	MFP	✔	✔	✔	✔

SHOPFV	Veg shops	MFP	✓	✓	✓	✓
FVOFT	How often buy fresh fruit and veg	MFP	✓	✓	✓	✓
FRUITAV	How often have fresh fruit available at home	MFP	✓	✓	✓	✓
ORGBUY	Buy organic	MFP	✓	✓	✓	✓
ORGWHAT1	Organic products: Fresh fruit or fruit juice	MFP	✓	✓	✓	✓
ORGWHAT2	Organic products: Dried fruit	MFP	✓	✓	✓	✓
ORGWHAT3	Organic products: Nuts	MFP	✓	✓	✓	✓
ORGWHAT4	Organic products: Potatoes	MFP	✓	✓	✓	✓
ORGWHAT5	Organic products: Vegetables or salad (including celery), dried beans or lentils	MFP	✓	✓	✓	✓
ORGWHAT6	Organic products: Breakfast cereals	MFP	✓	✓	✓	✓
ORGWHAT7	Organic products: Other cereal products, eg bread, rice and pasta	MFP	✓	✓	✓	✓
ORGWHAT8	Organic products: Meat (including chicken)	MFP	✓	✓	✓	✓
ORGWHAT9	Organic products: Eggs	MFP	✓	✓	✓	✓
ORGWHA10	Organic products: Milk	MFP	✓	✓	✓	✓
ORGWHA11	Organic products: Other dairy products	MFP	✓	✓	✓	✓
ORGWHA12	Organic products: Crisps or savoury snacks	MFP	✓	✓	✓	✓
ORGWHA13	Organic products: Biscuits and cakes (including organic cereal bars)	MFP	✓	✓	✓	✓
ORGWHA14	Organic products: Confectionery	MFP	✓	✓	✓	✓
ORGWHA15	Organic products: Baby/weaning foods	MFP	✓	✓	✓	✓
ORGWHA16	Organic products: Other organic products	MFP	✓	✓	✓	✓
ORGWHA17	Organic products: None of these	MFP	✓	✓	✓	✓
MOREORG	Desire more organic	MFP	✓	✓	✓	✓
WHYMORG1	YNot Organic: Can t afford it/it s too expensive	MFP	✓	✓	✓	✓
WHYMORG2	YNot Organic: Don't know where to buy it/the shops don t sell (enough) of it.	MFP	✓	✓	✓	✓
WHYMORG3	YNot Organic: Other	MFP	✓	✓	✓	✓
WHYMORG4	YNot Organic: No particular reason	MFP	✓	✓	✓	✓

Food preparation

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓

Cooking skills

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
MPREPMM	MFP - How often prepare main meal in household	MFP	✓	✗	✗	✗
MCTECH1	MFP - Confidence in cooking techniques: Boiling	MFP	✓	✗	✗	✗
MCTECH2	MFP - Confidence in cooking techniques: Steaming or poaching	MFP	✓	✗	✗	✗
MCTECH3	MFP - Confidence in cooking techniques: Frying	MFP	✓	✗	✗	✗
MCTECH4	MFP - Confidence in cooking techniques: Stir frying	MFP	✓	✗	✗	✗
MCTECH5	MFP - Confidence in cooking techniques: Grilling	MFP	✓	✗	✗	✗
MCTECH6	MFP - Confidence in cooking techniques: Oven-baking or roasting	MFP	✓	✗	✗	✗
MCTECH7	MFP - Confidence in cooking techniques: Stewing / braising / casseroling	MFP	✓	✗	✗	✗
MCTECH8	MFP - Confidence in cooking techniques: Microwaving	MFP	✓	✗	✗	✗
MCTECH9	MFP - Confidence in cooking techniques: Or, none of these?	MFP	✓	✗	✗	✗
MCTECH10	MFP - Confidence in cooking techniques: All of these	MFP	✓	✗	✗	✗
MCFOOD1	MFP - Confidence in cooking foods: Red meat	MFP	✓	✗	✗	✗
MCFOOD2	MFP - Confidence in cooking foods: Chicken	MFP	✓	✗	✗	✗
MCFOOD3	MFP - Confidence in cooking foods: White fish (cod, haddock, plaice)	MFP	✓	✗	✗	✗
MCFOOD4	MFP - Confidence in cooking foods: Oily fish (herring, mackerel, salmon)	MFP	✓	✗	✗	✗
MCFOOD5	MFP - Confidence in cooking foods: Pulses (such as split peas and lentils)	MFP	✓	✗	✗	✗
MCFOOD6	MFP - Confidence in cooking foods: Dry pasta	MFP	✓	✗	✗	✗
MCFOOD7	MFP - Confidence in cooking foods: Rice (savoury)	MFP	✓	✗	✗	✗

MCFOOD8	MFP - Confidence in cooking foods: Potatoes (not chips)	MFP	✓	✗	✗	✗
MCFOOD9	MFP - Confidence in cooking foods: Fresh green vegetables (cabbage, spinach, broccoli)	MFP	✓	✗	✗	✗
MCFOOD10	MFP - Confidence in cooking foods: Root vegetables (eg. carrots, parsnips)	MFP	✓	✗	✗	✗
MCFOOD11	MFP - Confidence in cooking foods: Or, none of these?	MFP	✓	✗	✗	✗
MCFOOD12	MFP - Confidence in cooking foods: All of these	MFP	✓	✗	✗	✗
MSKLOW	MFP - Cooking skills ready meals	MFP	✓	✗	✗	✗
MSKMED	MFP - Cooking skills meal from ready ingredients	MFP	✓	✗	✗	✗
MSKADV	MFP - Cooking skills main dish from scratch	MFP	✓	✗	✗	✗
MSKBAKE	MFP - Cooking skills cake/biscuits from basic ingredients	MFP	✓	✗	✗	✗
MCOOK1	MFP - How learnt to cook: At home (relative)	MFP	✓	✗	✗	✗
MCOOK2	MFP - How learnt to cook: School	MFP	✓	✗	✗	✗
MCOOK3	MFP - How learnt to cook: Cookery class not at school (e.g. night class)	MFP	✓	✗	✗	✗
MCOOK4	MFP - How learnt to cook: Self taught	MFP	✓	✗	✗	✗
MCOOK5	MFP - How learnt to cook: From friends	MFP	✓	✗	✗	✗
MCOOK6	MFP - How learnt to cook: At work	MFP	✓	✗	✗	✗
MCOOK7	MFP - How learnt to cook: Television	MFP	✓	✗	✗	✗
MCOOK8	MFP - How learnt to cook: Recipe books / magazines	MFP	✓	✗	✗	✗
MCOOK9	MFP - How learnt to cook: Internet	MFP	✓	✗	✗	✗
MCOOK10	MFP - How learnt to cook: Cannot cook at all	MFP	✓	✗	✗	✗
MCOOK11	MFP - How learnt to cook: Other	MFP	✓	✗	✗	✗
MCOOK12	MFP - How learnt to cook: All of these	MFP	✓	✗	✗	✗
MCOOKT	MFP - Techniques taught in class: Cleaning and chopping fruit and vegetables	MFP	✓	✗	✗	✗
MCOOKT2	MFP - Techniques taught in class: Preparation of meat or fish for cooking (chopping, filleting)	MFP	✓	✗	✗	✗
MCOOKT3	MFP - Techniques taught in class: Frying	MFP	✓	✗	✗	✗
MCOOKT4	MFP - Techniques taught in class: Boiling	MFP	✓	✗	✗	✗
MCOOKT5	MFP - Techniques taught in class: Baking or roasting	MFP	✓	✗	✗	✗
MCOOKT6	MFP - Techniques taught in class: Making a sauce	MFP	✓	✗	✗	✗
MCOOKT7	MFP - Techniques taught in class: Making pastry	MFP	✓	✗	✗	✗
MCOOKT8	MFP - Techniques taught in class: Following a recipe	MFP	✓	✗	✗	✗
MCOOKT9	MFP - Techniques taught in class: Microwaving	MFP	✓	✗	✗	✗
MCOOKT10	MFP - Techniques taught in class: Freezing and defrosting	MFP	✓	✗	✗	✗
MCOOKT11	MFP - Techniques taught in class: Preserving / storage of	MFP	✓	✗	✗	✗

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
	foods in larder / refrigerator / freezer					
MCOOKT12	MFP - Techniques taught in class: Hygiene in the kitchen	MFP	✓	✗	✗	✗
MCOOKT13	MFP - Techniques taught in class: None of these	MFP	✓	✗	✗	✗
MCOOKT14	MFP - Techniques taught in class: Don t know/Can t remember	MFP	✓	✗	✗	✗
MCOOKT15	MFP - Techniques taught in class: All of these	MFP	✓	✗	✗	✗
MCOOKEQ1	MFP - Equipment in kitchen: Weighing scales	MFP	✓	✗	✗	✗
MCOOKEQ2	MFP - Equipment in kitchen: Set of kitchen knives	MFP	✓	✗	✗	✗
MCOOKEQ3	MFP - Equipment in kitchen: Set of saucepans	MFP	✓	✗	✗	✗
MCOOKEQ4	MFP - Equipment in kitchen: Frying pan	MFP	✓	✗	✗	✗
MCOOKEQ5	MFP - Equipment in kitchen: Colander or sieve	MFP	✓	✗	✗	✗
MCOOKEQ6	MFP - Equipment in kitchen: Casserole dish	MFP	✓	✗	✗	✗
MCOOKEQ7	MFP - Equipment in kitchen: Roasting pan	MFP	✓	✗	✗	✗
MCOOKEQ8	MFP - Equipment in kitchen: Cake tins	MFP	✓	✗	✗	✗
MCOOKEQ9	MFP - Equipment in kitchen: Baking trays	MFP	✓	✗	✗	✗
MCOOKEQ10	MFP - Equipment in kitchen: Hand-held whisk, manual or electric	MFP	✓	✗	✗	✗
MCOOKEQ11	MFP - Equipment in kitchen: Mixing bowls	MFP	✓	✗	✗	✗
MCOOKEQ12	MFP - Equipment in kitchen: Measuring jug	MFP	✓	✗	✗	✗
MCOOKEQ13	MFP - Equipment in kitchen: Rolling pin	MFP	✓	✗	✗	✗
MCOOKEQ14	MFP - Equipment in kitchen: Grater	MFP	✓	✗	✗	✗
MCOOKEQ15	MFP - Equipment in kitchen: Food processor	MFP	✓	✗	✗	✗
MCOOKEQ16	MFP - Equipment in kitchen: None of these	MFP	✓	✗	✗	✗
MCOOKEQ17	MFP - Equipment in kitchen: All of these	MFP	✓	✗	✗	✗

Ingredients

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
MINGRED1	MFP - Ingredients available: Flour (self-raising and/or plain and/or bread)	MFP	✓	✓	✓	✓
MINGRED2	MFP - Ingredients available: Sugar (caster, granulated, brown)	MFP	✓	✓	✓	✓
MINGRED3	MFP - Ingredients available: Cornflour	MFP	✓	✓	✓	✓
MINGRED4	MFP - Ingredients available: Dried pasta (spaghetti, noodles)	MFP	✓	✓	✓	✓
MINGRED5	MFP - Ingredients available: Rice (long grain, basmati)	MFP	✓	✓	✓	✓

MINGRED6	MFP - Ingredients available: Tomatoes in tins or cartons	MFP	✓	✓	✓	✓
MINGRED7	MFP - Ingredients available: Tomato paste/puree	MFP	✓	✓	✓	✓
MINGRED8	MFP - Ingredients available: Olive oil or other vegetable oil	MFP	✓	✓	✓	✓
MINGRED9	MFP - Ingredients available: Vinegar (wine, balsamic)	MFP	✓	✓	✓	✓
MINGRED10	MFP - Ingredients available: Dried or tinned pulses (canellini or borlotti beans, chickpeas etc.)	MFP	✓	✓	✓	✓
MINGRED11	MFP - Ingredients available: Baked beans	MFP	✓	✓	✓	✓
MINGRED12	MFP - Ingredients available: Dried herbs, spices or curry powder	MFP	✓	✓	✓	✓
MINGRED13	MFP - Ingredients available: Stock cubes	MFP	✓	✓	✓	✓
MINGRED14	MFP - Ingredients available: Soy sauce	MFP	✓	✓	✓	✓
MINGRED15	MFP - Ingredients available: Tinned fish (sardines, anchovies)	MFP	✓	✓	✓	✓
MINGRED16	MFP - Ingredients available: None of these	MFP	✓	✓	✓	✓
MINGRED17	MFP - Ingredients available: All of these	MFP	✓	✓	✓	✓

COOKING SKILLS

Adult cooking skills

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
IPREPMM	Indiv - How often prepare main meal in household	Indiv	✓	✗	✗	✗
ICTECH1	Indiv - Confidence in cooking techniques: Boiling	Indiv	✓	✗	✗	✗
ICTECH2	Indiv - Confidence in cooking techniques: Steaming or poaching	Indiv	✓	✗	✗	✗
ICTECH3	Indiv - Confidence in cooking techniques: Frying	Indiv	✓	✗	✗	✗
ICTECH4	Indiv - Confidence in cooking techniques: Stir frying	Indiv	✓	✗	✗	✗
ICTECH5	Indiv - Confidence in cooking techniques: Grilling	Indiv	✓	✗	✗	✗
ICTECH6	Indiv - Confidence in cooking techniques: Oven-baking or roasting	Indiv	✓	✗	✗	✗
ICTECH7	Indiv - Confidence in cooking techniques: Stewing / braising / casseroling	Indiv	✓	✗	✗	✗
ICTECH8	Indiv - Confidence in cooking techniques: Microwaving	Indiv	✓	✗	✗	✗
ICTECH9	Indiv - Confidence in cooking techniques: Or, none of these?	Indiv	✓	✗	✗	✗
ICTECH10	Indiv - Confidence in cooking techniques: All of these	Indiv	✓	✗	✗	✗
ICFOOD1	Indiv - Confidence in cooking foods: Red meat	Indiv	✓	✗	✗	✗
ICFOOD2	Indiv - Confidence in cooking foods: Chicken	Indiv	✓	✗	✗	✗
ICFOOD3	Indiv - Confidence in cooking foods: White fish (cod, haddock, plaice)	Indiv	✓	✗	✗	✗
ICFOOD4	Indiv - Confidence in cooking foods: Oily fish (herring, mackerel, salmon)	Indiv	✓	✗	✗	✗
ICFOOD5	Indiv - Confidence in cooking foods: Pulses (such as split peas and lentils)	Indiv	✓	✗	✗	✗
ICFOOD6	Indiv - Confidence in cooking foods: Dry pasta	Indiv	✓	✗	✗	✗
ICFOOD7	Indiv - Confidence in cooking foods: Rice (savoury)	Indiv	✓	✗	✗	✗
ICFOOD8	Indiv - Confidence in cooking foods: Potatoes (not chips)	Indiv	✓	✗	✗	✗
ICFOOD9	Indiv - Confidence in cooking foods: Fresh green vegetables (cabbage, spinach, broccoli)	Indiv	✓	✗	✗	✗
ICFOOD10	Indiv - Confidence in cooking foods: Root vegetables (eg. carrots, parsnips)	Indiv	✓	✗	✗	✗

ICFOOD11	Indiv - Confidence in cooking foods: Or, none of these?	Indiv	✓	✗	✗	✗
ICFOOD12	Indiv - Confidence in cooking foods: All of these	Indiv	✓	✗	✗	✗
ISKLOW	Indiv - Cooking skills ready meals	Indiv	✓	✗	✗	✗
ISKMED	Indiv - Cooking skills meal from ready ingredients	Indiv	✓	✗	✗	✗
ISKADV	Indiv - Cooking skills main dish from scratch	Indiv	✓	✗	✗	✗
ISKBAKE	Indiv - Cooking skills cake/biscuits from basic ingredients	Indiv	✓	✗	✗	✗
ICOOK1	Indiv - How learnt to cook: At home (relative)	Indiv	✓	✗	✗	✗
ICOOK2	Indiv - How learnt to cook: School	Indiv	✓	✗	✗	✗
ICOOK3	Indiv - How learnt to cook: Cookery class not at school (e.g. night class)	Indiv	✓	✗	✗	✗
ICOOK4	Indiv - How learnt to cook: Self taught	Indiv	✓	✗	✗	✗
ICOOK5	Indiv - How learnt to cook: From friends	Indiv	✓	✗	✗	✗
ICOOK6	Indiv - How learnt to cook: At work	Indiv	✓	✗	✗	✗
ICOOK7	Indiv - How learnt to cook: Television	Indiv	✓	✗	✗	✗
ICOOK8	Indiv - How learnt to cook: Recipe books / magazines	Indiv	✓	✗	✗	✗
ICOOK9	Indiv - How learnt to cook: Internet	Indiv	✓	✗	✗	✗
ICOOK10	Indiv - How learnt to cook: Cannot cook at all	Indiv	✓	✗	✗	✗
ICOOK11	Indiv - How learnt to cook: Other	Indiv	✓	✗	✗	✗
ICOOK12	Indiv - How learnt to cook: All of these	Indiv	✓	✗	✗	✗
ICOOKT	Indiv - Techniques taught in class: Cleaning and chopping fruit and vegetables	Indiv	✓	✗	✗	✗
ICOOKT2	Indiv - Techniques taught in class: Preparation of meat or fish for cooking (chopping, filleting)	Indiv	✓	✗	✗	✗
ICOOKT3	Indiv - Techniques taught in class: Frying	Indiv	✓	✗	✗	✗
ICOOKT4	Indiv - Techniques taught in class: Boiling	Indiv	✓	✗	✗	✗
ICOOKT5	Indiv - Techniques taught in class: Baking or roasting	Indiv	✓	✗	✗	✗
ICOOKT6	Indiv - Techniques taught in class: Making a sauce	Indiv	✓	✗	✗	✗
ICOOKT7	Indiv - Techniques taught in class: Making pastry	Indiv	✓	✗	✗	✗
ICOOKT8	Indiv - Techniques taught in class: Following a recipe	Indiv	✓	✗	✗	✗
ICOOKT9	Indiv - Techniques taught in class: Microwaving	Indiv	✓	✗	✗	✗
ICOOKT10	Indiv - Techniques taught in class: Freezing and defrosting	Indiv	✓	✗	✗	✗
ICOOKT11	Indiv - Techniques taught in class: Preserving / storage of foods in larder / refrigerator / freezer	Indiv	✓	✗	✗	✗
ICOOKT12	Indiv - Techniques taught in class: Hygiene in the kitchen	Indiv	✓	✗	✗	✗

ICOOKT13	Indiv - Techniques taught in class: None of these	Indiv	✓	✗	✗	✗
ICOOKT14	Indiv - Techniques taught in class: Don t know/Can t remember	Indiv	✓	✗	✗	✗
ICOOKT15	Indiv - Techniques taught in class: All of these	Indiv	✓	✗	✗	✗

Child cooking skills

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
COOKCH	Cook in lesson	Indiv	✓	✗	✗	✗
CKLESSON	Cook food in lesson	Indiv	✓	✗	✗	✗
CKWTSC1	Make cakes/buns/bicuits in lesson	Indiv	✓	✗	✗	✗
CKWTSC2	Make pizza in lesson	Indiv	✓	✗	✗	✗
CKWTSC3	Prepare meal in lesson	Indiv	✓	✗	✗	✗
CKWTSC4	Prepare veggies in lesson	Indiv	✓	✗	✗	✗
COOKHOME	Cook at home	Indiv	✓	✗	✗	✗
COOKWITH	Cook alone at home	Indiv	✓	✗	✗	✗
WITHWHO	Cook with who	Indiv	✓	✗	✗	✗
CKREG	Cook often	Indiv	✓	✗	✗	✗
WHYCK	Why cook	Indiv	✓	✗	✗	✗
CKWHOM1	Prepare foods at home: butter bread	Indiv	✓	✗	✗	✗
CKWHOM2	Prepare foods at home: chop veg	Indiv	✓	✗	✗	✗
CKWHOM3	Prepare foods at home: make sandwiches	Indiv	✓	✗	✗	✗
CKWHOM4	Prepare foods at home: ready meals	Indiv	✓	✗	✗	✗
CKWHOM5	Prepare foods at home: from ready-made ingredients	Indiv	✓	✗	✗	✗
CKWHOM6	Prepare foods at home: basic ingredients	Indiv	✓	✗	✗	✗

SCHOOL PROVISION

School provision						
Variable	**Description**	**Source**	**Year 1**	**Year 2**	**Year 3**	**Year 4**
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	✓	✓	✓	✓
SCHSUB6	School subsidy: Healthy Start children s vitamin drops (3 and under)	Indiv	✓	✓	✗	✗
SCHSUB7	School subsidy: Healthy Start vouchers (3 and under)	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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
RAREAT0	Rare food eaten: None of these	Indiv	✓	✗	✗	✗
RAREAT1	Rare food eaten: Fish liver (include canned cod liver; exclude fish liver oil supplements)	Indiv	✓	✗	✗	✗
RAREAT2	Rare food eaten: Venison liver	Indiv	✓	✗	✗	✗
RAREAT3	Rare food eaten: Sprats	Indiv	✓	✗	✗	✗
RAREAT4	Rare food eaten: Seeds as a snack (e.g. sunflower seeds, pumpkin seeds, sesame seeds, melon seeds (also known as egusi))	Indiv	✓	✗	✗	✗
RAREAT5	Rare food eaten: Cassava chips/crisps	Indiv	✓	✗	✗	✗
RAREAT6	Rare food eaten: Seaweed (includes hijiki, wakame)	Indiv	✓	✗	✗	✗
RAREAT7	Rare food eaten: Sushi (including purchased sushi)	Indiv	✓	✗	✗	✗
RAREAT8	Rare food eaten: Kabanos (smoked sausage)	Indiv	✓	✗	✗	✗
RAREAT9	Rare food eaten: Papaya (include fresh and canned)	Indiv	✓	✗	✗	✗
RAREAT10	Rare food eaten: Dried papaya	Indiv	✓	✗	✗	✗
RAREAT11	Rare food eaten: Mango (include fresh and canned)	Indiv	✓	✗	✗	✗
RAREAT12	Rare food eaten: Dried mango	Indiv	✓	✗	✗	✗
RAREAT13	Rare food eaten: Kiwi Fruit	Indiv	✓	✗	✗	✗
RAROFT01	How often have you eaten fish liver	Indiv	✓	✗	✗	✗
RAROFT02	How often have you eaten venison liver	Indiv	✓	✗	✗	✗
RAROFT03	How often have you eaten sprats	Indiv	✓	✗	✗	✗
RAROFT04	How often have you eaten seeds as a snack	Indiv	✓	✗	✗	✗
RAROFT05	How often have you eaten cassava chips/crisps	Indiv	✓	✗	✗	✗
RAROFT06	How often have you eaten seaweed	Indiv	✓	✗	✗	✗
RAROFT07	How often have you eaten sushi	Indiv	✓	✗	✗	✗
RAROFT08	How often have you eaten kabanos	Indiv	✓	✗	✗	✗
RAROFT09	How often have you eaten papaya	Indiv	✓	✗	✗	✗

RAROFT10	How often have you eaten dried papaya	Indiv	✓	✗	✗	✗
RAROFT11	How often have you eaten mango	Indiv	✓	✗	✗	✗
RAROFT12	How often have you eaten dried mango	Indiv	✓	✗	✗	✗
RAROFT13	How often have you eaten kiwi fruit	Indiv	✓	✗	✗	✗
RARE0Y2	Rare food eaten: None of these	Indiv	✗	✓	✗	✗
RARE1Y2	Rare food eaten: Sprats	Indiv	✗	✓	✗	✗
RARE2Y2	Rare foods eaten: Seeds as a snack (e.g. sunflower seeds, pumpkin seeds, sesame seeds, melon seeds (also known as egusi)	Indiv	✗	✓	✗	✗
RARE3Y2	Rare foods eaten: Cassava chips/cassava crisps	Indiv	✗	✓	✗	✗
RARE4Y2	Rare foods eaten: Seaweed (includes hijiki, wakame)	Indiv	✗	✓	✗	✗
RARE5Y2	Rare foods eaten: Sushi (including purchased sushi)	Indiv	✗	✓	✗	✗
RARE6Y2	Rare foods eaten: Kabanos (smoked sausage)	Indiv	✗	✓	✗	✗
RARE7Y2	Rare foods eaten: Papaya (include fresh and canned)	Indiv	✗	✓	✗	✗
RARE8Y2	Rare foods eaten: Dried papaya	Indiv	✗	✓	✗	✗
RARE9Y2	Rare foods eaten: Mango (include fresh and canned)	Indiv	✗	✓	✗	✗
RARE10Y2	Rare foods eaten: Dried mango	Indiv	✗	✓	✗	✗
RARE11Y2	Rare foods eaten: Kiwi Fruit	Indiv	✗	✓	✗	✗
RARE12Y2	Rare foods eaten: Game (includes venison, rabbit, pheasant, partridge, wood pigeon, hare or wild boar	Indiv	✗	✓	✗	✗
RARE13Y2	Rare foods eaten: Non cows milk (includes rice milk, soya milk, sheeps milk or goats milk)	Indiv	✗	✓	✗	✗
RARE14Y2	Rare foods eaten: Fish eggs, for example caviar, cods roe	Indiv	✗	✓	✗	✗
RARO1Y2	How often have you eaten sprats	Indiv	✗	✓	✗	✗
RARO2Y2	How often have you eaten seeds as a snack	Indiv	✗	✓	✗	✗
RARO3Y2	How often have you eaten cassava chips/crisps	Indiv	✗	✓	✗	✗
RARO4Y2	How often have you eaten seaweed	Indiv	✗	✓	✗	✗
RARO5Y2	How often have you eaten sushi	Indiv	✗	✓	✗	✗
RARO6Y2	How often have you eaten kabanos	Indiv	✗	✓	✗	✗
RARO7Y2	How often have you eaten papaya	Indiv	✗	✓	✗	✗
RARO8Y2	How often have you eaten dried papaya	Indiv	✗	✓	✗	✗
RARO9Y2	How often have you eaten mango	Indiv	✗	✓	✗	✗
RARO10Y2	How often have you eaten dried mango	Indiv	✗	✓	✗	✗
RARO11Y2	How often have you eaten kiwi fruit	Indiv	✗	✓	✗	✗
RARO12Y2	How often have you eaten game	Indiv	✗	✓	✗	✗
RARO13Y2	How often have you eaten non cows milk	Indiv	✗	✓	✗	✗
RARO14Y2	How often have you eaten fish eggs	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	✗	✗	✓	✓
RARE9Y3	Rare foods eaten: Non cows milk (includes rice milk, soya milk, sheeps milk or goats milk)	Indiv	✗	✗	✓	✗
RARE9Y4	Rare foods eaten: Non cows milk (includes rice milk, soya milk, sheeps milk, goats milk or oat 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	✗	✗	✓	✓
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	✗	✗	✓	✓

RARO9Y3	How often have you eaten non cows milk (includes rice milk, soya milk, sheeps milk or goats milk)	Indiv	✗	✗	✓	✗
RARO9Y4	How often have you eaten non cows milk (includes rice milk, soya milk, sheeps milk , goats milk or oak mil)	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	✗	✗	✓	✓
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	✗	✗	✗	✓
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 1**	**Year 2**	**Year 3**	**Year 4**
APPET	Type of appetite	Indiv	✓	✓	✓	✓
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	✓	✓	✓	✓
DIET	Currently on special diet	Indiv	✓	✓	✗	✗
DIETT1	Type of special diet: Diabetic diet	Indiv	✓	✓	✗	✗
DIETT2	Type of special diet: Weight reducing diet	Indiv	✓	✓	✗	✗
DIETT3	Type of special diet: Weight gaining diet	Indiv	✓	✓	✗	✗
DIETT4	Type of special diet: Low fat diet	Indiv	✓	✓	✗	✗
DIETT5	Type of special diet: Cholesterol lowering diet	Indiv	✓	✓	✗	✗
DIETT6	Type of special diet: Low allergy diet, Additive free	Indiv	✓	✓	✗	✗
DIETT7	Type of special diet: Other medical diet	Indiv	✓	✓	✗	✗
DIETT8	Type of special diet: Kosher or halal diet	Indiv	✓	✓	✗	✗
DIETT9	Type of special diet: Other	Indiv	✓	✓	✗	✗

Variable	Description	Level				
DRDIET	Diet recommended or prescribed by medical practitioner	Indiv	✓	✓	✗	✗
DIETEASE	Diet easy to follow	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	✓	✓	✓	✓
FUSS	Variety of foods eat	Indiv	✓	✓	✓	✓
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	✗	✓	✓	✓
MARMP	Eat marmalade containing peel of citrus fruits	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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
CUTILL	Illness or injury code	Indiv	✓	✓	✓	✓
ACCID	Accident in last 12 months where saw doctor or attended hospital'	Indiv	✓	✗	✗	✗
OPERAT	Had surgical operation in last 12 months'	Indiv	✓	✗	✗	✗
HOSPIT	Whether stayed in hospital as inpatient/overnight in last 12 months'	Indiv	✓	✗	✗	✗

Self-assessed health

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
GENHELF	Self assessed general health	Indiv	✓	✓	✓	✓

Longstanding illness

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
HEAL	Whether has longstanding illness	Indiv	✓	✓	✓	✓
LIMLI	Longstanding illness code	Indiv	✓	✓	✓	✓
LIMIT	Activities limited due to illness	Indiv	✓	✓	✓	✓
LIMITSHP	Ability to shop limited or prevented due to illness	Indiv	✓	✓	✓	✓
LSHPHOW1	Limited/prevented from shopping: Difficulties with walking	Indiv	✓	✓	✓	✓
LSHPHOW2	Limited/prevented from shopping: Problems with sight	Indiv	✓	✓	✓	✓
LSHPHOW3	Limited/prevented from shopping: Cannot carry (heavy) shopping	Indiv	✓	✓	✓	✓
LSHPHOW4	Limited/prevented from shopping: Gets tired easily	Indiv	✓	✓	✓	✓
LSHPHOW5	Limited/prevented from shopping: Other difficulties	Indiv	✓	✓	✓	✓
LIMIPREP	Ability to prepare food limited or prevented due to illness	Indiv	✓	✓	✓	✓
LPREPHOW	Limited/prevented from preparing food: Difficulties with hands (e.g. chopping, peeling, lifting)	Indiv	✓	✓	✓	✓

			Year 1	Year 2	Year 3	Year 4
LPREPHO2	Limited/prevented from preparing food: Difficulties with walking	Indiv	✓	✓	✓	✓
LPREPHO3	Limited/prevented from preparing food: Difficulties with standing	Indiv	✓	✓	✓	✓
LPREPHO4	Limited/prevented from preparing food: Problems with sight	Indiv	✓	✓	✓	✓
LPREPHO5	Limited/prevented from preparing food: Chronic ill-health (e.g. MS, depression)	Indiv	✓	✓	✓	✓
LPREPHO6	Limited/prevented from preparing food: Gets tired easily	Indiv	✓	✓	✓	✓
LPREPHO7	Limited/prevented from preparing food: Other difficulties	Indiv	✓	✓	✓	✓

Prescribed medicines: General

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
DIUR	(D) Diuretics (Blood pressure)	Derived	✓	✓	✓	✓
BETA	(D) Beta blockers (Blood pressure/Fibrinogen)	Derived	✓	✓	✓	✓
ACEINH	(D) Ace inhibitors(Blood pressure)	Derived	✓	✓	✓	✓
CALCIUMB	(D) Calcium blockers (Blood pressure)	Derived	✓	✓	✓	✓
OBPDRUG	(D) Other drugs affecting BP	Derived	✓	✓	✓	✓
LIPID	(D) Lipid lowering (Cholesterol/Fibrinogen)	Derived	✓	✓	✓	✓
IRON	(D) Iron deficiency (Haemoglobin/Ferritin)	Derived	✓	✓	✓	✓
BPMEDC	(D) Whether taking drugs affecting blood pressure	Derived	✓	✓	✓	✓
BPMEDD	(D) Whether taking drugs prescribed for blood pressure	Derived	✓	✓	✓	✓

Prescribed medicines: Reasons for taking medicines

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
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	✓	✓	✓	✓

Variable	Description	Source				
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 1	Year 2	Year 3	Year 4
SLPWKC	How long usually sleep on week nights (children)	Indiv	✓	✗	✗	✗
SLPWKEC	How long usually sleep on weekend nights (children)	Indiv	✓	✗	✗	✗
SLPWKA	How long usually sleep on week nights (adults)	Indiv	✓	✗	✗	✗
SLPWKEA	How long usually sleep on weekend nights (adults)	Indiv	✓	✗	✗	✗
SLPWKCY2	How long usually sleep on week nights (children)	Indiv	✗	✓	✗	✗
SLPWKECY2	How long usually sleep on weekend nights (children)	Indiv	✗	✓	✗	✗
SLPWK	How long usually sleep on week nights (adults)	Indiv	✗	✓	✗	✗
SLPWKE	How long usually sleep on weekend nights (adults)	Indiv	✗	✓	✗	✗
SLPWKCH	How long usually sleep on week nights - hours (children)	Indiv	✗	✗	✓	✓
SLPWKCM	How long usually sleep on week nights - minutes (children)	Indiv	✗	✗	✓	✓
SLPWKECH	How long usually sleep on weekend nights - hours (children)	Indiv	✗	✗	✓	✓
SLPWKECM	How long usually sleep on weekend nights - minutes (children)	Indiv	✗	✗	✓	✓
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 1	Year 2	Year 3	Year 4
ANYOWN	Any of own teeth	Indiv	✓	✓	✓	✓
DENTUSE	Whether uses a denture	Indiv	✓	✓	✓	✓
CHEW	How well able to chew food	Indiv	✓	✓	✓	✓
SLICEB	How well able to eat sliced bread	Indiv	✓	✓	✓	✓
CRUSTYB	How well able to eat crusty bread	Indiv	✓	✓	✓	✓
CHEESE	How well able to eat cheese	Indiv	✓	✓	✓	✓
TOMAT	How well able to eat tomatoes	Indiv	✓	✓	✓	✓
CARROT	How well able to eat raw carrots	Indiv	✓	✓	✓	✓
GREENS	How well able to eat cooked green vegetables	Indiv	✓	✓	✓	✓
LETUCE	How well able to eat lettuce	Indiv	✓	✓	✓	✓
MEATS	How well able to eat sliced cooked meats	Indiv	✓	✓	✓	✓
STEAK	How well able to eat well done steaks	Indiv	✓	✓	✓	✓
APPLES	How well able to eat apples	Indiv	✓	✓	✓	✓
ORANGE	How well able to eat oranges	Indiv	✓	✓	✓	✓
NUTS	How well able to eat nuts	Indiv	✓	✓	✓	✓
EATFOD	Can only eat soft or mashed foods or can eat other foods as well?	Indiv	✓	✓	✓	✓

SMOKING

Adult general

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓

ACTIGRAPH

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
ABDOM	Recently had abdominal surgery, or health problems	Indiv	✓	✓	✓	✓
LATEX	Allergy to latex	Indiv	✓	✗	✗	✗
BED	Confined to bed or wheelchair	Indiv	✓	✗	✗	✗
AGCONS	Willing to wear ActiGraph	Indiv	✓	✗	✗	✗
ACTFIT	How well did the ActiGraph fit?	Indiv	✓	✗	✗	✗
ACTNO	ActiGraph serial number	Indiv	✓	✗	✗	✗
ACTPLCD	ActiGraph placed	Indiv	✓	✗	✗	✗
WEAR	How many days ActiGraph worn	Indiv	✓	✗	✗	✗
NOWEAR	Reason why ActiGraph not worn for all 7 days	Indiv	✓	✗	✗	✗
COLLECT	Was ActiGraph collected	Indiv	✓	✗	✗	✗
YNOACT	Reason why ActiGraph not collected	Indiv	✓	✗	✗	✗
AGOUTCY1	(D) Actigraph outcome	Derived	✓	✗	✗	✗
ABDOMY2	Recently had abdominal surgery, or health problems	Indiv	✗	✓	✓	✓
LATEXY2	Allergy to latex	Indiv	✗	✓	✓	✓
BEDY2	Confined to bed or wheelchair	Indiv	✗	✓	✓	✓
AGCONY2	Willing to wear ActiGraph	Indiv	✗	✓	✓	✓
ACTFITY2	How well did the ActiGraph fit?	Indiv	✗	✓	✓	✓
ACTNOY2	ActiGraph serial number	Indiv	✗	✓	✓	✓
ACTPLDY2	ActiGraph placed	Indiv	✗	✓	✓	✓
WEARY2	How many days ActiGraph worn	Indiv	✗	✓	✓	✓
NOWEARY2	Reason why ActiGraph not worn for all 7 days	Indiv	✗	✓	✓	✓
COLLTY2	Was ActiGraph collected	Indiv	✗	✓	✓	✓
YNOACTY2	Reason why ActiGraph not collected	Indiv	✗	✓	✓	✓
AGOUTC	(D) Actigraph outcome	Derived	✗	✓	✓	✓

Measurements

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
AGMODEY1	Mode Number of recording (0 = Counts 1=Steps and counts)	Lab	✓	✗	✗	✗
OBS_IN_FILEY1	Number of observations in Actigraph file	Lab	✓	✗	✗	✗
EPOCHDURATIONY1	Time resolution, accelerometer data (sec)	Lab	✓	✗	✗	✗
TRIMENDY1	Maximum number of minutes analysed in file	Lab	✓	✗	✗	✗
REFERENCEPERIODY1	Protocol duration (min)	Lab	✓	✗	✗	✗
MODELFACTORY1	Scaling factor for Actigraph data, relative to Actigraph 7168	Lab	✓	✗	✗	✗
DERIVATIVETHRESHOLDY1	Absolute threshold for counting difference in consecutive epochs as no change	Lab	✓	✗	✗	✗
DELTATHRESHOLDY1	Difference threshold for counting difference in consecutive epochs as no change	Lab	✓	✗	✗	✗
HIPZEROLOWY1	Length of 0-string beyond which Pwear begins to decay from 1	Lab	✓	✗	✗	✗
HIPZEROTOPY1	Length of 0-string at which Pwear has decayed to 0	Lab	✓	✗	✗	✗
HIPSLEEPMINLOWY1	Length of 0-string beyond which Psleep begins to increase from 0	Lab	✓	✗	✗	✗
HIPSLEEPMINTOPY1	Length of 0-string at which Psleep has increased to 1	Lab	✓	✗	✗	✗
HIPSLEEPMAXLOWY1	Length of 0-string beyond which Psleep begins to decay again from 1	Lab	✓	✗	✗	✗
HIPSLEEPMAXTOPY1	Length of 0-string at which Psleep has decayed to 0 again	Lab	✓	✗	✗	✗
INCLUDEDAY_TIMECRITERIAY1	Minimum value (min) of integrated Pwear for inclusion of 24-hr segment	Lab	✓	✗	✗	✗
INCLUDEDAY_COUNTCRITERIAY1	Minimum sum of Actigraph counts for inclusion of 24-hr segment	Lab	✓	✗	✗	✗
DAYCOMPLETETOLERANCEY1	(n/a - variable not activated)	Lab	✓	✗	✗	✗
INCLUDERECORD_CRITERIAY1	Criteria of minimum duration of wear (hrs) for including record (suggestion)	Lab	✓	✗	✗	✗
MINHOURINCLUSIONY1	Criteria of minimum duration of wear(hrs) for inclusion of day in summary estimates	Lab	✓	✗	✗	✗
MOVEFLEXPOINTY1	Actigraph output (cpm) below which PAEE equations were flexed through origin	Lab	✓	✗	✗	✗

MOVECENSORPOINTY1	Actigraph output (cpm) below which PAEE estimates were set equal to 0 J/min/kg	Lab	✓	✗	✗	✗
CUTPOINT_1Y1	Cutpoint for intensity category 1 (50cpm)	Lab	✓	✗	✗	✗
CUTPOINT_2Y1	Cutpoint for intensity category 2 (100cpm)	Lab	✓	✗	✗	✗
CUTPOINT_3Y1	Cutpoint for intensity category 3 (200cpm)	Lab	✓	✗	✗	✗
CUTPOINT_4Y1	Cutpoint for intensity category 4 (300cpm)	Lab	✓	✗	✗	✗
CUTPOINT_5Y1	Cutpoint for intensity category 5 (400cpm)	Lab	✓	✗	✗	✗
CUTPOINT_6Y1	Cutpoint for intensity category 6 (500cpm)	Lab	✓	✗	✗	✗
CUTPOINT_7Y1	Cutpoint for intensity category 7 (750cpm)	Lab	✓	✗	✗	✗
CUTPOINT_8Y1	Cutpoint for intensity category 8 (1000cpm)	Lab	✓	✗	✗	✗
CUTPOINT_9Y1	Cutpoint for intensity category 9 (1500cpm)	Lab	✓	✗	✗	✗
CUTPOINT_10Y1	Cutpoint for intensity category 10 (2000cpm)	Lab	✓	✗	✗	✗
CUTPOINT_11Y1	Cutpoint for intensity category 11 (2500cpm)	Lab	✓	✗	✗	✗
CUTPOINT_12Y1	Cutpoint for intensity category 12 (3000cpm)	Lab	✓	✗	✗	✗
PWEARY1	Integrated wear probability (hours) for included days	Lab	✓	✗	✗	✗
PSLEEPY1	Integrated sleep probability (hours) for included days	Lab	✓	✗	✗	✗
PWEARANDSLEEPY1	Integrated wear+sleep probability (hours) for included days	Lab	✓	✗	✗	✗
WEARSHIFTSY1	Number of times Pwear has changed from 1 on included days	Lab	✓	✗	✗	✗
SLEEPSHIFTSY1	Number of times Psleep has changed from 1 on included days	Lab	✓	✗	✗	✗
MIDNIGHT_AXISY1	Information density midpoint, diurnal timing (1. coordinate, 24-hr circle plot)	Lab	✓	✗	✗	✗
MORNING_AXISY1	Information density midpoint, diurnal timing (2. coordinate, 24-hr circle plot)	Lab	✓	✗	✗	✗
PWEAR_MIDNIGHTY1	Diurnal information distribution: Midnight axis coefficient	Lab	✓	✗	✗	✗
PWEAR_MORNINGY1	Diurnal information distribution: Morning axis coefficient	Lab	✓	✗	✗	✗
PWEAR_ADJMEANY1	Diurnal information distribution: regression intercept	Lab	✓	✗	✗	✗
WEEKEND_FRACTIONY1	Relative contribution of information from weekend	Lab	✓	✗	✗	✗
WINTER_AXISY1	Information density midpoint, seasonal timing (1. coordinate, 12-m circle plot)	Lab	✓	✗	✗	✗
SPRING_AXISY1	Information density midpoint, seasonal timing (2. coordinate, 12-m circle plot)	Lab	✓	✗	✗	✗
RAW_MEANSTEPS	Mean steps per min for included days (wear and non-	Lab	✓	✗	✗	✗

			✓	✗	✗	✗
	wear)					
CENSOR_MEANSTEPS	Mean steps per min for included days (Integrated Pwear>30min/hr)	Lab	✓	✗	✗	✗
RAW_MEANACCY1	Mean counts per min for included days (wear and non-wear)	Lab	✓	✗	✗	✗
CENSOR_MEANACCY1	Mean counts per min for included days (Integrated Pwear>30min/hr)	Lab	✓	✗	✗	✗
WORN_OBSWEIGHTED_ MEANACCY1	Mean counts per min for included days (Pwear weighted)	Lab	✓	✗	✗	✗
WORNSLEEP_OBSWEIG HTED_MEANACCY1	Mean counts per min for included days (PwearAndSleep weighted)	Lab	✓	✗	✗	✗
PAEE_FREEDSONY1	Average PAEE in J/min/kg during wear time, estimated from Freedson equation	Lab	✓	✗	✗	✗
PAEE_FREEDSON_WSY1	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Freedson equation	Lab	✓	✗	✗	✗
PAEE_HENDELMANN_LS Y1	Average PAEE in J/min/kg during wear time, estimated from Hendelmann equation	Lab	✓	✗	✗	✗
PAEE_HENDELMANN_LS _WSY1	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Hendelmann equation	Lab	✓	✗	✗	✗
PAEE_SWARTZY1	Average PAEE in J/min/kg during wear time, estimated from Swartz equation	Lab	✓	✗	✗	✗
PAEE_SWARTZ_WSY1	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Swartz equation	Lab	✓	✗	✗	✗
PAEE_TROSTY1	Average PAEE in J/min/kg during wear time, estimated from Trost equation	Lab	✓	✗	✗	✗
PAEE_TROST_WSY1	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Trost equation	Lab	✓	✗	✗	✗
PAEE_PUYAUY1	Average PAEE in J/min/kg during wear time, estimated from Puyau equation	Lab	✓	✗	✗	✗
PAEE_PUYAU_WSY1	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Puyau equation	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_1 _WORNY1	Fraction of wear time spent below 50cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_2 _WORNY1	Fraction of wear time spent below 100cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_3 _WORNY1	Fraction of wear time spent below 200cpm	Lab	✓	✗	✗	✗

INTENSITYCATEGORY_4 _WORNY1	Fraction of wear time spent below 300cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_5 _WORNY1	Fraction of wear time spent below 400cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_6 _WORNY1	Fraction of wear time spent below 500cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_7 _WORNY1	Fraction of wear time spent below 750cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_8 _WORNY1	Fraction of wear time spent below 1000cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_9 _WORNY1	Fraction of wear time spent below 1500cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_1 0_WORNY1	Fraction of wear time spent below 2000cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_1 1_WORNY1	Fraction of wear time spent below 2500cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_1 2_WORNY1	Fraction of wear time spent below 3000cpm	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_1 _WSY1	Fraction of wear/sleep time spent below 50cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_2 _WSY1	Fraction of wear/sleep time spent below 100cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_3 _WSY1	Fraction of wear/sleep time spent below 200cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_4 _WSY1	Fraction of wear/sleep time spent below 300cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_5 _WSY1	Fraction of wear/sleep time spent below 400cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_6 _WSY1	Fraction of wear/sleep time spent below 500cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_7 _WSY1	Fraction of wear/sleep time spent below 750cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_8 _WSY1	Fraction of wear/sleep time spent below 1000cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_9 _WSY1	Fraction of wear/sleep time spent below 1500cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_1 0_WSY1	Fraction of wear/sleep time spent below 2000cpm (diurnally adjusted)	Lab	✓	✗	✗	✗

Variable	Description		Col1	Col2	Col3	Col4
INTENSITYCATEGORY_11_WSY1	Fraction of wear/sleep time spent below 2500cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INTENSITYCATEGORY_12_WSY1	Fraction of wear/sleep time spent below 3000cpm (diurnally adjusted)	Lab	✓	✗	✗	✗
INCLUDERECORDY1	binary indicator, based on achieving a minimum of `includeRecord_criteria' hrs of wear time	Lab	✓	✗	✗	✗
AGMODE	Mode Number of recording (0 = Counts 1=Steps and counts)	Lab	✗	✓	✓	✓
OBS_IN_FILE	Number of observations in Actigraph file	Lab	✗	✓	✓	✓
EPOCHDURATION	Time resolution, accelerometer data (sec)	Lab	✗	✓	✓	✓
TRIMEND	Maximum number of minutes analysed in file	Lab	✗	✓	✓	✓
REFERENCEPERIOD	Protocol duration (min)	Lab	✗	✓	✓	✓
MODELFACTOR	Scaling factor for Actigraph data, relative to Actigraph 7168	Lab	✗	✓	✓	✓
DERIVATIVETHRESHOLD	Absolute threshold for counting difference in consecutive epochs as no change	Lab	✗	✓	✓	✓
DELTATHRESHOLD	Difference threshold for counting difference in consecutive epochs as no change	Lab	✗	✓	✓	✓
HIPZEROLOW	Length of 0-string beyond which Pwear begins to decay from 1	Lab	✗	✓	✓	✓
HIPZEROTOP	Length of 0-string at which Pwear has decayed to 0	Lab	✗	✓	✓	✓
HIPSLEEPMINLOW	Length of 0-string beyond which Psleep begins to increase from 0	Lab	✗	✓	✓	✓
HIPSLEEPMINTOP	Length of 0-string at which Psleep has increased to 1	Lab	✗	✓	✓	✓
HIPSLEEPMAXLOW	Length of 0-string beyond which Psleep begins to decay again from 1	Lab	✗	✓	✓	✓
HIPSLEEPMAXTOP	Length of 0-string at which Psleep has decayed to 0 again	Lab	✗	✓	✓	✓
INCLUDEDAY_TIMECRITERIA	Minimum value (min) of integrated Pwear for inclusion of 24-hr segment	Lab	✗	✓	✓	✓
INCLUDEDAY_COUNTCRITERIA	Minimum sum of Actigraph counts for inclusion of 24-hr segment	Lab	✗	✓	✓	✓
DAYCOMPLETETOLERANCE	(n/a - variable not activated)	Lab	✗	✓	✓	✓
INCLUDERECORD_CRITERIA	Criteria of minimum duration of wear (hrs) for including record (suggestion)	Lab	✗	✓	✓	✓
MINHOURINCLUSION	Criteria of minimum duration of wear(hrs) for inclusion of	Lab	✗	✓	✓	✓

	day in summary estimates					
MOVEFLEXPOINT	Actigraph output (cpm) below which PAEE equations were flexed through origin	Lab	✗	✓	✓	✓
MOVECENSORPOINT	Actigraph output (cpm) below which PAEE estimates were set equal to 0 J/min/kg	Lab	✗	✓	✓	✓
CUTPOINT_1	Cutpoint for intensity category 1 (50cpm)	Lab	✗	✓	✓	✓
CUTPOINT_2	Cutpoint for intensity category 2 (100cpm)	Lab	✗	✓	✓	✓
CUTPOINT_3	Cutpoint for intensity category 3 (200cpm)	Lab	✗	✓	✓	✓
CUTPOINT_4	Cutpoint for intensity category 4 (300cpm)	Lab	✗	✓	✓	✓
CUTPOINT_5	Cutpoint for intensity category 5 (400cpm)	Lab	✗	✓	✓	✓
CUTPOINT_6	Cutpoint for intensity category 6 (500cpm)	Lab	✗	✓	✓	✓
CUTPOINT_7	Cutpoint for intensity category 7 (750cpm)	Lab	✗	✓	✓	✓
CUTPOINT_8	Cutpoint for intensity category 8 (1000cpm)	Lab	✗	✓	✓	✓
CUTPOINT_9	Cutpoint for intensity category 9 (1500cpm)	Lab	✗	✓	✓	✓
CUTPOINT_10	Cutpoint for intensity category 10 (2000cpm)	Lab	✗	✓	✓	✓
CUTPOINT_11	Cutpoint for intensity category 11 (2500cpm)	Lab	✗	✓	✓	✓
CUTPOINT_12	Cutpoint for intensity category 12 (3000cpm)	Lab	✗	✓	✓	✓
PWEAR	Integrated wear probability (hours) for included days	Lab	✗	✓	✓	✓
PSLEEP	Integrated sleep probability (hours) for included days	Lab	✗	✓	✓	✓
PWEARANDSLEEP	Integrated wear+sleep probability (hours) for included days	Lab	✗	✓	✓	✓
WEARSHIFTS	Number of times Pwear has changed from 1 on included days	Lab	✗	✓	✓	✓
SLEEPSHIFTS	Number of times Psleep has changed from 1 on included days	Lab	✗	✓	✓	✓
MIDNIGHT_AXIS	Information density midpoint, diurnal timing (1. coordinate, 24-hr circle plot)	Lab	✗	✓	✓	✓
MORNING_AXIS	Information density midpoint, diurnal timing (2. coordinate, 24-hr circle plot)	Lab	✗	✓	✓	✓
PWEAR_MIDNIGHT	Diurnal information distribution: Midnight axis coefficient	Lab	✗	✓	✓	✓
PWEAR_MORNING	Diurnal information distribution: Morning axis coefficient	Lab	✗	✓	✓	✓
PWEAR_ADJMEAN	Diurnal information distribution: regression intercept	Lab	✗	✓	✓	✓
WEEKEND_FRACTION	Relative contribution of information from weekend	Lab	✗	✓	✓	✓
WINTER_AXIS	Information density midpoint, seasonal timing (1. coordinate, 12-m circle plot)	Lab	✗	✓	✓	✓

Variable	Description					
SPRING_AXIS	Information density midpoint, seasonal timing (2. coordinate, 12-m circle plot)	Lab	✗	✓	✓	✓
RAW_MEANSTEPS	Mean steps per min for included days (wear and non-wear)	Lab	✗	✓	✓	✓
CENSOR_MEANSTEPS	Mean steps per min for included days (Integrated Pwear>30min/hr)	Lab	✗	✓	✓	✓
RAW_MEANACC	Mean counts per min for included days (wear and non-wear)	Lab	✗	✓	✓	✓
CENSOR_MEANACC	Mean counts per min for included days (Integrated Pwear>30min/hr)	Lab	✗	✓	✓	✓
WORN_OBSWEIGHTED_ MEANACC	Mean counts per min for included days (Pwear weighted)	Lab	✗	✓	✓	✓
WORNSLEEP_OBSWEIG HTED_MEANACC	Mean counts per min for included days (PwearAndSleep weighted)	Lab	✗	✓	✓	✓
PAEE_FREEDSON	Average PAEE in J/min/kg during wear time, estimated from Freedson equation	Lab	✗	✓	✓	✓
PAEE_FREEDSON_WS	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Freedson equation	Lab	✗	✓	✓	✓
PAEE_HENDELMANN_LS	Average PAEE in J/min/kg during wear time, estimated from Hendelmann equation	Lab	✗	✓	✓	✓
PAEE_HENDELMANN_LS _WS	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Hendelmann equation	Lab	✗	✓	✓	✓
PAEE_SWARTZ	Average PAEE in J/min/kg during wear time, estimated from Swartz equation	Lab	✗	✓	✓	✓
PAEE_SWARTZ_WS	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Swartz equation	Lab	✗	✓	✓	✓
PAEE_TROST	Average PAEE in J/min/kg during wear time, estimated from Trost equation	Lab	✗	✓	✓	✓
PAEE_TROST_WS	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Trost equation	Lab	✗	✓	✓	✓
PAEE_PUYAU	Average PAEE in J/min/kg during wear time, estimated from Puyau equation	Lab	✗	✓	✓	✓
PAEE_PUYAU_WS	Average 24-hr PAEE in J/min/kg, using sleep algorithm and Puyau equation	Lab	✗	✓	✓	✓
INTENSITYCATEGORY_1 _WORN	Fraction of wear time spent below 50cpm	Lab	✗	✓	✓	✓
INTENSITYCATEGORY_2 _WORN	Fraction of wear time spent below 100cpm	Lab	✗	✓	✓	✓

INTENSITYCATEGORY_3_WORN	Fraction of wear time spent below 200cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_4_WORN	Fraction of wear time spent below 300cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_5_WORN	Fraction of wear time spent below 400cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_6_WORN	Fraction of wear time spent below 500cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_7_WORN	Fraction of wear time spent below 750cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_8_WORN	Fraction of wear time spent below 1000cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_9_WORN	Fraction of wear time spent below 1500cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_10_WORN	Fraction of wear time spent below 2000cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_11_WORN	Fraction of wear time spent below 2500cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_12_WORN	Fraction of wear time spent below 3000cpm	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_1_WS	Fraction of wear/sleep time spent below 50cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_2_WS	Fraction of wear/sleep time spent below 100cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_3_WS	Fraction of wear/sleep time spent below 200cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_4_WS	Fraction of wear/sleep time spent below 300cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_5_WS	Fraction of wear/sleep time spent below 400cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_6_WS	Fraction of wear/sleep time spent below 500cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_7_WS	Fraction of wear/sleep time spent below 750cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_8_WS	Fraction of wear/sleep time spent below 1000cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_9_WS	Fraction of wear/sleep time spent below 1500cpm (diurnally adjusted)	Lab	✘	✔	✔	✔

INTENSITYCATEGORY_10_WS	Fraction of wear/sleep time spent below 2000cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_11_WS	Fraction of wear/sleep time spent below 2500cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INTENSITYCATEGORY_12_WS	Fraction of wear/sleep time spent below 3000cpm (diurnally adjusted)	Lab	✘	✔	✔	✔
INCLUDERECORD	binary indicator, based on achieving a minimum of `includeRecord_criteria' hrs of wear time	Lab	✘	✔	✔	✔

ANTHROPOMETRIC MEASUREMENTS

Demispan admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
STADNO	Stadiometer number	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	✓	✓	✓	✓
NOWTBC6	No weight: Respondent unable to remove shoes	Indiv	✓	✓	✓	✓

NOWTBC7	No weight: Respondent weighs more than 130kg	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	✓	✓	✓	✓
SCLNO	Scale number	Indiv	✓	✓	✓	✓
BMIOK	(D) Whether bmi measure is valid	Derived	✓	✓	✓	✓
MOVEOK	Respondent mobility (with/without wheelchair)	Indiv	✓	✗	✓	✗

Mid upper arm circumference admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
MUACINT	Consent to upper arm circumference	Nurse	✓	✓	✓	✓
MEASMUAC	(D) MUAC measured	Derived	✓	✓	✓	✓
ARMOK	(D) Whether arm circumference measurements are valid	Derived	✓	✓	✓	✓
CUPREL	Reliability of 1st upper arm circumference measurement	Nurse	✓	✓	✓	✓
CUPREL2	Reliability of 2nd upper arm circumference measurement	Nurse	✓	✓	✓	✓
CUPREL3	Reliability of 3rd upper arm circumference measurement	Nurse	✓	✓	✓	✓
CRESPUP	Response to upper arm circumference	Nurse	✓	✓	✓	✓
CUPMEAS	How arm measurement taken	Nurse	✓	✓	✓	✓
CWHARM	Whether measurement taken from dominant arm	Nurse	✗	✗	✓	✓

Waist/hip admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
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	✓	✓	✓	✓
CUPARM	Upper arm circumference 1st measurement (cm)	Nurse	✓	✓	✓	✓
CUPARM2	Upper arm circumference 2nd measurement (cm)	Nurse	✓	✓	✓	✓
CUPARM3	Upper arm circumference 3rd measurement (cm)	Nurse	✓	✓	✓	✓
ARMVAL	(D) Valid Mean MUAC (cm)	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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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+	✗	✓	✓	✓
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 1	Year 2	Year 3	Year 4
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 (hours)	SC 16+	✗	✓	✓	✓
HEAVYGARDENINGMIN	Digging, shovelling, chopping wood - average time (minutes)	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 (hours)	SC 16+	✗	✓	✓	✓
AEROBICSHIGHMIN	High impact aerobics or step aerobics - average time (minutes)	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+	✗	✓	✓	✓

Variable	Description					
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+	✗	✓	✓	✓
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+ | ✘ | ✔ | ✔ | ✔ |

Adult physical activity profile

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
MVPATIME	(D) Time spent at moderate or vigorous physical activity	Derived	✘	✔	✔	✔

SUN EXPOSURE

Sun exposure at school

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
SCH7D	Whether went to school in last 7 days	Indiv	✓	✗	✗	✗
SCHDAYS	How many days at school in last 7 days	Indiv	✓	✗	✗	✗
WALKSCH	Whether walked to school same number of days as usual	Indiv	✓	✗	✗	✗
WEARSCH1	Clothing worn on way to/from school: Trousers	Indiv	✓	✗	✗	✗
WEARSCH2	Clothing worn on way to/from school: Shorts	Indiv	✓	✗	✗	✗
WEARSCH3	Clothing worn on way to/from school: Short sleeved shirt or long sleeves rolled up	Indiv	✓	✗	✗	✗
WEARSCH4	Clothing worn on way to/from school: Long sleeved shirt / jumper / blazer	Indiv	✓	✗	✗	✗
WEARSCH5	Clothing worn on way to/from school: Long skirt (below the knee)	Indiv	✓	✗	✗	✗
WEARSCH6	Clothing worn on way to/from school: Short skirt (above the knee)	Indiv	✓	✗	✗	✗
WEARSCH7	Clothing worn on way to/from school: Tights	Indiv	✓	✗	✗	✗
MBREAKO	Whether morning break usually spent outside	Indiv	✓	✗	✗	✗
LBREAKO1	Whether lunch break usually spent outside: All or most of it	Indiv	✓	✗	✗	✗
LBREAKO2	Whether lunch break usually spent outside: About half of it	Indiv	✓	✗	✗	✗
LBREAKO3	Whether lunch break usually spent outside: Or, very little or none of it?	Indiv	✓	✗	✗	✗
PEOUTS	How many PE classes outdoors	Indiv	✓	✗	✗	✗
PEOUTST	How much of PE class spent outdoors	Indiv	✓	✗	✗	✗
PEOUNC1	Parts of body uncovered during PE classes: Face	Indiv	✓	✗	✗	✗
PEOUNC2	Parts of body uncovered during PE classes: Head	Indiv	✓	✗	✗	✗
PEOUNC3	Parts of body uncovered during PE classes: Hands	Indiv	✓	✗	✗	✗
PEOUNC4	Parts of body uncovered during PE classes: Arms	Indiv	✓	✗	✗	✗
PEOUNC5	Parts of body uncovered during PE classes: Shoulders	Indiv	✓	✗	✗	✗
PEOUNC6	Parts of body uncovered during PE classes: Legs	Indiv	✓	✗	✗	✗
PEOTYP	Whether number of PE classes outside same as usual	Indiv	✓	✗	✗	✗

			Year 1	Year 2	Year 3	Year 4
SCH7DY2	Whether went to school in last 7 days	Indiv	✗	✓	✓	✓
SCHDY2	How many days at school in last 7 days	Indiv	✗	✓	✓	✓
WALKDY2	Number of days walked to school	Indiv	✗	✓	✓	✓
WALKSY2	Whether walked to school same number of days as usual	Indiv	✗	✓	✓	✓
WEARS1Y2	Clothing worn on way to/from school: Trousers	Indiv	✗	✓	✓	✓
WEARS2Y2	Clothing worn on way to/from school: Shorts	Indiv	✗	✓	✓	✓
WEARS3Y2	Clothing worn on way to/from school: Short sleeved shirt or long sleeves rolled up	Indiv	✗	✓	✓	✓
WEARS4Y2	Clothing worn on way to/from school: Long sleeved shirt / jumper / blazer	Indiv	✗	✓	✓	✓
WEARS5Y2	Clothing worn on way to/from school: Long skirt (below the knee)	Indiv	✗	✓	✓	✓
WEARS6Y2	Clothing worn on way to/from school: Short skirt (above the knee)	Indiv	✗	✓	✓	✓
WEARS7Y2	Clothing worn on way to/from school: Tights	Indiv	✗	✓	✓	✓
MBRKOY2	Whether morning break usually spent outside	Indiv	✗	✓	✓	✓
LBREAKO	Whether lunch break usually spent outside	Indiv	✗	✓	✓	✓
PEDAYY2	Number of days PE classes	Indiv	✗	✓	✓	✓
PEOUTSY2	How many PE classes outdoors	Indiv	✗	✓	✓	✓
PEOUTSTY2	How much of PE class spent outdoors	Indiv	✗	✓	✓	✓
PEOU1Y2	Parts of body uncovered during PE classes: Face?	Indiv	✗	✓	✓	✓
PEOU2Y2	Parts of body uncovered during PE classes: Head?	Indiv	✗	✓	✓	✓
PEOU3Y2	Parts of body uncovered during PE classes: Hands?	Indiv	✗	✓	✓	✓
PEOU4Y2	Parts of body uncovered during PE classes: Arms?	Indiv	✗	✓	✓	✓
PEOU5Y2	Parts of body uncovered during PE classes: Shoulders?	Indiv	✗	✓	✓	✓
PEOU6Y2	Parts of body uncovered during PE classes: Legs?	Indiv	✗	✓	✓	✓
PEOTYPY2	Whether number of PE classes outside same as usual	Indiv	✗	✓	✓	✓

Sun exposure at work

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
HRSWRK	Hours spent at work	Indiv	✓	✗	✗	✗
WRKO	Proportion work time outside	Indiv	✓	✗	✗	✗
WOUNC1	Body parts uncovered - working outside: Face?	Indiv	✓	✗	✗	✗
WOUNC2	Body parts uncovered - working outside: Head?	Indiv	✓	✗	✗	✗
WOUNC3	Body parts uncovered - working outside: Hands?	Indiv	✓	✗	✗	✗

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
WOUNC4	Body parts uncovered - working outside: Arms?	Indiv	✓	✗	✗	✗
WOUNC5	Body parts uncovered - working outside: Shoulders?	Indiv	✓	✗	✗	✗
WOUNC6	Body parts uncovered - working outside: Legs?	Indiv	✓	✗	✗	✗
WOUNC7	Body parts uncovered - working outside: Most or all of upper body?	Indiv	✓	✗	✗	✗
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 1	Year 2	Year 3	Year 4
OUTS	Days spent sitting/standing/lying outside	Indiv	✓	✓	✓	✓
TIMEO	Time spent on each day sitting/standing/lying outside (minutes)	Indiv	✓	✓	✗	✗
TIMEOH	Time spent on each day sitting/standing/lying outside (hours)	Indiv	✗	✗	✓	✓
TIMEOM	Time spent on each day sitting/standing/lying outside (minutes)	Indiv	✗	✗	✓	✓
TOUNC1	Body parts uncovered - sitting/standing/lying outside: Face	Indiv	✓	✓	✓	✓
TOUNC2	Body parts uncovered - sitting/standing/lying outside: Head	Indiv	✓	✓	✓	✓
TOUNC3	Body parts uncovered - sitting/standing/lying outside: Hands	Indiv	✓	✓	✓	✓
TOUNC4	Body parts uncovered - sitting/standing/lying outside: Arms	Indiv	✓	✓	✓	✓
TOUNC5	Body parts uncovered - sitting/standing/lying outside: Shoulders	Indiv	✓	✓	✓	✓
TOUNC6	Body parts uncovered - sitting/standing/lying outside: Legs	Indiv	✓	✓	✓	✓
TOUNC7	Body parts uncovered - sitting/standing/lying outside: Most or all of upper body	Indiv	✓	✓	✓	✓

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
TOUNC8	Body parts uncovered - sitting/standing/lying outside: None of these	Indiv	✓	✓	✓	✓
TOTYP	Time outside typical?	Indiv	✓	✓	✓	✓
COVSK	Cover skin for religious reasons	Indiv	✓	✓	✓	✓
HMCOV1	To what extent cover body: Face	Indiv	✓	✓	✓	✓
HMCOV2	To what extent cover body: Head	Indiv	✓	✓	✓	✓
HMCOV3	To what extent cover body: Hands	Indiv	✓	✓	✓	✓
HMCOV4	To what extent cover body: Arms	Indiv	✓	✓	✓	✓
HMCOV5	To what extent cover body: Shoulders	Indiv	✓	✓	✓	✓
HMCOV6	To what extent cover body: Legs	Indiv	✓	✓	✓	✓
HMCOV7	To what extent cover body: Most or all of upper body	Indiv	✓	✓	✓	✓
HAIR	Natural hair colour	Indiv	✓	✓	✓	✓
SKIN	Natural skin colour	Indiv	✓	✓	✓	✓
SKTYP	Type of skin	Indiv	✓	✓	✓	✓

Use of sun cream

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
SUNC	Used sun cream	Indiv	✓	✓	✓	✓
SPF1	SPF factor of sun cream: 1-7	Indiv	✓	✓	✓	✓
SPF2	SPF factor of sun cream: 8-15	Indiv	✓	✓	✓	✓
SPF3	SPF factor of sun cream: 16-25	Indiv	✓	✓	✓	✓
SPF4	SPF factor of sun cream: 26-30	Indiv	✓	✓	✓	✓
SPF5	SPF factor of sun cream: 31+	Indiv	✓	✓	✓	✓
SUNCD	Number of days applied sun cream	Indiv	✓	✓	✓	✓
SCAP	How many times applied sun cream	Indiv	✓	✓	✓	✓
MOIS	Used moisturiser containing sun cream	Indiv	✓	✓	✓	✓
MOSPF	SPF factor of moisturiser	Indiv	✓	✓	✓	✓
MODS	Number of days applied moisturiser	Indiv	✓	✓	✓	✓
MOAP	How many times applied moisturiser	Indiv	✓	✓	✓	✓

Holidays

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
HOLS	Any holidays/trips during most recent Summer.	Indiv	✓	✓	✗	✗
HOLSN	Number of holidays/trips taken during most recent summer	Indiv	✓	✓	✗	✗
HOLM	Month 1st summer holiday taken	Indiv	✓	✓	✗	✗
HOLD	Length of 1st summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO	Hours spent outside on each day of 1st summer holiday	Indiv	✓	✓	✗	✗
LATITUDES1	Summer holiday 1. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM2	Month 2nd summer holiday taken	Indiv	✓	✓	✗	✗
HOLD2	Length of 2nd summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO2	Hours spent outside on each day of 2nd summer holiday	Indiv	✓	✓	✗	✗
LATITUDES2	Summer holiday 2. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM3	Month 3rd summer holiday taken	Indiv	✓	✓	✗	✗
HOLD3	Length of 3rd summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO3	Hours spent outside on each day of 3rd summer holiday	Indiv	✓	✓	✗	✗
LATITUDES3	Summer holiday 3. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM4	Month 4th summer holiday taken	Indiv	✓	✓	✗	✗
HOLD4	Length of 4th summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO4	Hours spent outside on each day of 4th summer holiday	Indiv	✓	✓	✗	✗
LATITUDES4	Summer holiday 4. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM5	Month 5th summer holiday taken	Indiv	✓	✓	✗	✗
HOLD5	Length of 5th summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO5	Hours spent outside on each day of 5th summer holiday	Indiv	✓	✓	✗	✗
LATITUDES5	Summer holiday 5. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM6	Month 6th summer holiday taken	Indiv	✓	✓	✗	✗
HOLD6	Length of 6th summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO6	Hours spent outside on each day of 6th summer holiday	Indiv	✓	✓	✗	✗
LATITUDES6	Summer holiday 6. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM7	Month 7th summer holiday taken	Indiv	✓	✓	✗	✗
HOLD7	Length of 7th summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO7	Hours spent outside on each day of 7th summer holiday	Indiv	✓	✓	✗	✗
LATITUDES7	Summer holiday 7. Latitude of holiday destination	Indiv	✓	✓	✗	✗

HOLM8	Month 8th summer holiday taken	Indiv	✓	✓	✗	✗
HOLD8	Length of 8th summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO8	Hours spent outside on each day of 8th summer holiday	Indiv	✓	✓	✗	✗
LATITUDES8	Summer holiday 8. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM9	Month 9th summer holiday taken	Indiv	✓	✓	✗	✗
HOLD9	Length of 9th summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO9	Hours spent outside on each day of 9th summer holiday	Indiv	✓	✓	✗	✗
LATITUDES9	Summer holiday 9. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM10	Month 10th summer holiday taken	Indiv	✓	✓	✗	✗
HOLD10	Length of 10th summer holiday (days)	Indiv	✓	✓	✗	✗
HOLO10	Hours spent outside on each day of 10th summer holiday	Indiv	✓	✓	✗	✗
LATITUDES10	Summer holiday 10. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLW	Any holidays/trips during most recent winter	Indiv	✓	✓	✗	✗
HOLWN	Number of holidays/trips taken during most recent winter	Indiv	✓	✓	✗	✗
HOLM11	Month 1st winter holiday taken	Indiv	✓	✓	✗	✗
HOLD11	Length of 1st winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO11	Hours spent outside on each day of 1st winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW1	Winter holiday 1. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM12	Month 2nd winter holiday taken	Indiv	✓	✓	✗	✗
HOLD12	Length of 2nd winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO12	Hours spent outside on each day of 2nd winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW2	Winter holiday 2. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM13	Month 3rd winter holiday taken	Indiv	✓	✓	✗	✗
HOLD13	Length of 3rd winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO13	Hours spent outside on each day of 3rd winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW3	Winter holiday 3. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM14	Month 4th winter holiday taken	Indiv	✓	✓	✗	✗
HOLD14	Length of 4th winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO14	Hours spent outside on each day of 4th winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW4	Winter holiday 4. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM15	Month 5th winter holiday taken	Indiv	✓	✓	✗	✗
HOLD15	Length of 5th winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO15	Hours spent outside on each day of 5th winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW5	Winter holiday 5. Latitude of holiday destination	Indiv	✓	✓	✗	✗

HOLM16	Month 6th winter holiday taken	Indiv	✓	✓	✗	✗
HOLD16	Length of 6th winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO16	Hours spent outside on each day of 6th winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW6	Winter holiday 6. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM17	Month 7th winter holiday taken	Indiv	✓	✓	✗	✗
HOLD17	Length of 7th winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO17	Hours spent outside on each day of 7th winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW7	Winter holiday 7. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM18	Month 8th winter holiday taken	Indiv	✓	✓	✗	✗
HOLD18	Length of 8th winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO18	Hours spent outside on each day of 8th winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW8	Winter holiday 8. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM19	Month 9th winter holiday taken	Indiv	✓	✓	✗	✗
HOLD19	Length of 9th winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO19	Hours spent outside on each day of 9th winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW9	Winter holiday 9. Latitude of holiday destination	Indiv	✓	✓	✗	✗
HOLM20	Month 10th winter holiday taken	Indiv	✓	✓	✗	✗
HOLD20	Length of 10th winter holiday (days)	Indiv	✓	✓	✗	✗
HOLO20	Hours spent outside on each day of 10th winter holiday	Indiv	✓	✓	✗	✗
LATITUDEW10	Winter holiday 10. Latitude of holiday destination	Indiv	✓	✓	✗	✗
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 1	Year 2	Year 3	Year 4
SUPPYR	Whether taken any vitamins, minerals or supplements 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	✓	✓	✓	✓
SFORM2	What form 2nd supplement taken	Indiv	✓	✓	✓	✓
SDOSE2	Dosage of 2nd supplement	Indiv	✓	✓	✓	✓
SFREQ2	How often 2nd supplement taken	Indiv	✓	✓	✓	✓
SPRES2	Whether 2nd supplement prescribed by GP or other healthcare professional	Indiv	✓	✓	✓	✓
FG2	Reporting food group of 2nd supplement recorded	Indiv	✓	✓	✓	✓
SFG2	Food group of 2nd supplement recorded ('of which' in report tables)	Indiv	✓	✓	✓	✓
SFORM3	What form 3rd supplement taken	Indiv	✓	✓	✓	✓
SDOSE3	Dosage of 3rd supplement	Indiv	✓	✓	✓	✓
SFREQ3	How often 3rd supplement taken	Indiv	✓	✓	✓	✓
SPRES3	Whether 3rd supplement prescribed by GP or other healthcare professional	Indiv	✓	✓	✓	✓
FG3	Reporting food group of 3rd supplement recorded	Indiv	✓	✓	✓	✓
SFG3	Food group of 3rd supplement recorded ('of which' in report tables)	Indiv	✓	✓	✓	✓
SFORM4	What form 4th supplement taken	Indiv	✓	✓	✓	✓
SDOSE4	Dosage of 4th supplement	Indiv	✓	✓	✓	✓
SFREQ4	How often 4th supplement taken	Indiv	✓	✓	✓	✓

SPRES4	Whether 4th supplement prescribed by GP or other healthcare professional	Indiv	✓	✓	✓	✓
FG4	Reporting food group of 4th supplement recorded	Indiv	✓	✓	✓	✓
SFG4	Food group of 4th supplement recorded ('of which' in report tables)	Indiv	✓	✓	✓	✓
SFORM5	What form 5th supplement taken	Indiv	✓	✓	✓	✓
SDOSE5	Dosage of 5th supplement	Indiv	✓	✓	✓	✓
SFREQ5	How often 5th supplement taken	Indiv	✓	✓	✓	✓
SPRES5	Whether 5th supplement prescribed by GP or other healthcare professional	Indiv	✓	✓	✓	✓
FG5	Reporting food group of 5th supplement recorded	Indiv	✓	✓	✓	✓
SFG5	Food group of 5th supplement recorded ('of which' in report tables)	Indiv	✓	✓	✓	✓
SFORM6	What form 6th supplement taken	Indiv	✓	✓	✓	✓
SDOSE6	Dosage of 6th supplement	Indiv	✓	✓	✓	✓
SFREQ6	How often 6th supplement taken	Indiv	✓	✓	✓	✓
SPRES6	Whether 6th supplement prescribed by GP or other healthcare professional	Indiv	✓	✓	✓	✓
FG6	Reporting food group of 6th supplement recorded	Indiv	✓	✓	✓	✓
SFG6	Food group of 6th supplement recorded ('of which' in report tables)	Indiv	✓	✓	✓	✓
SFORM7	What form 7th supplement taken	Indiv	✓	✓	✓	✓
SDOSE7	Dosage of 7th supplement	Indiv	✓	✓	✓	✓
SFREQ7	How often 7th supplement taken	Indiv	✓	✓	✓	✓
SPRES7	Whether 7th supplement prescribed by GP or other healthcare professional	Indiv	✓	✓	✓	✓
FG7	Reporting food group of 7th supplement recorded	Indiv	✓	✓	✓	✓
SFG7	Food group of 7th supplement recorded ('of which' in report tables)	Indiv	✓	✓	✓	✓
SFORM8	What form 8th supplement taken	Indiv	✓	✓	✓	✓
SDOSE8	Dosage of 8th supplement	Indiv	✓	✓	✓	✓
SFREQ8	How often 8th supplement taken	Indiv	✓	✓	✓	✓
SPRES8	Whether 8th supplement prescribed by GP or other healthcare professional	Indiv	✓	✓	✓	✓
FG8	Reporting food group of 8th supplement recorded	Indiv	✓	✓	✓	✓
SFG8	Food group of 8th supplement recorded ('of which' in report	Indiv	✓	✓	✓	✓

	tables)					
HSVITS	Whether ever given Healthy Start vitamins to child	Indiv	✘	✘	✔	✔
HSVOFT	How often given Health Start vitamins to child	Indiv	✘	✘	✔	✔

DOUBLY LABELLED WATER (DLW)

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
PDLWAGR	Willing to take DLW	Indiv	✓	✗	✓	✗
PCONF	Confirmation that respondent is needed for DLW study	Indiv	✓	✗	✓	✗
DLWVIS	DLW dose administered	Indiv	✓	✗	✓	✗
DLWDOSE	Whether respondent has taken DLW dose	Indiv	✓	✗	✓	✗
DLWFIN	Samples collected	Indiv	✓	✗	✓	✗
DLWPOST	Whether samples sent to lab	Indiv	✓	✗	✓	✗

Measurements

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
TBW_L	Total Body Water (L)	Lab	✓	✗	✓	✗
LBM_KG	Lean Body Mass (kg)	Lab	✓	✗	✓	✗
FM_KG	Fat Mass (kg)	Lab	✓	✗	✓	✗
BMR_KJ_DAY_1	Basal Metabolic Rate (according to Schofield's equations, using age, sex, height and weight)	Lab	✓	✗	✓	✗
TEE	Total Energy Expenditure (kJ) (calculated according to Schoeller's methods)	Lab	✓	✗	✓	✗
TEEREP_KJ_DAY_1	Total Energy Expenditure (kJ) using dietary data (calculated according to Schoeller's methods)	Lab	✓	✗	✓	✗
CV2	Coefficient of variation in measured TEE derived from the fit of the data to the model	Lab	✓	✗	✓	✗
RQ	Assumed respiratory quotient set equal to the food quotient obtained from the reported dietary data	Lab	✓	✗	✓	✗
PAL	Physical Activity Level	Lab	✓	✗	✓	✗
DLWM	DLW result code	Lab	✓	✗	✓	✗

BLOOD PRESSURE

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
OMRONNO	Omron serial number	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	✓	✓	✓	✓
NATTBPD0	No BP: Problems with PC/Laptop	Nurse	✓	✓	✓	✓
NATTBPD1	No BP: Respondent upset/anxious/nervous	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	✓	✓	✓	✓

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
HIBP140	(D) Whether hypertensive:140/90: all prescribed drugs for BP	Derived	✓	✓	✓	✓
HYPER1	(D) Hypertensive categories:160/95: all prescribed drugs for BP	Derived	✓	✓	✓	✓
HIGHBP1	(D) Whether hypertensive:160/95: all prescribed drugs for BP	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	✓	✓	✓	✓

24-HOUR URINE SAMPLE

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
WILL24H	(D) Willing to provide 24-hour urine	Derived	✓	✓	✓	✓
UR24OC1	(D) Urine outcome	Derived	✓	✓	✓	✓
NAPPIES	Does child wear nappies?	Nurse	✓	✓	✓	✓
URCONS	Consent to take urine sample (adult)	Nurse	✓	✓	✓	✓
URPCONS	Consent to take urine sample (child)	Nurse	✓	✓	✓	✓
URCHK1	Whether taking specific drugs	Nurse	✓	✓	✓	✓
URCHK2	Whether allergic to hair dye, sunscreens or vitamins	Nurse	✓	✓	✓	✓
UPABCON	Consent to take PABA tablets (adult)	Nurse	✓	✓	✓	✓
UPABPCON	Consent to take PABA tablets (child)	Nurse	✓	✓	✓	✓
URDO2	Urine collected at 2nd nurse visit	Nurse	✓	✓	✓	✓
URCOLL	Urine sample provided (2nd nurse visit)	Nurse	✓	✓	✓	✓
URJUGS	Urine containers used (2nd nurse visit)	Nurse	✓	✓	✓	✓
URWT1	1st weight of total urine (kg) - 5 litre urine container (2nd nurse visit)	Nurse	✓	✓	✓	✓
URWT2	2nd weight of total urine (kg) - 5 litre urine container (2nd nurse visit)	Nurse	✓	✓	✓	✓
URWT3	3rd weight of total urine (kg) - 5 litre urine container (2nd nurse visit)	Nurse	✓	✓	✓	✓
UR2LWT1	1st weight of total urine (kg) - 2 litre urine container (2nd nurse visit)	Nurse	✓	✓	✓	✓
UR2LWT2	2nd weight of total urine (kg) - 2 litre urine container (2nd nurse visit)	Nurse	✓	✓	✓	✓
UR2LWT3	3rd weight of total urine (kg) - 2 litre urine container (2nd nurse visit)	Nurse	✓	✓	✓	✓
CHKMSS	Whether any urine samples missed (2nd nurse visit)	Nurse	✓	✓	✓	✓
HOWMANM	Number of samples missed (2nd nurse visit)	Nurse	✓	✓	✓	✓
ALLPABA	Whether took all three PABA tablets (2nd nurse visit)	Nurse	✗	✗	✓	✓
CHKPABA	Were any PABA tablets taken (2nd nurse visit)	Nurse	✓	✓	✗	✗

CHKPABY3	Were any PABA tablets taken (2nd nurse visit)	Nurse	✘	✘	✓	✓
DIET2	Dietary supplements taken on same day as urine sample (2nd nurse visit)	Nurse	✓	✓	✓	✓
URDO3	Urine collected at 3rd nurse visit (2nd nurse visit)	Nurse	✓	✓	✓	✓
URCOLL2	Urine sample provided (3rd nurse visit)	Nurse	✓	✓	✓	✓
URJUGS2	Urine containers used (3rd nurse visit)	Nurse	✓	✓	✓	✓
URWT4	1st weight of total urine (kg) - 5 litre urine container (3rd nurse visit)	Nurse	✓	✓	✓	✓
URWT5	2nd weight of total urine (kg) - 5 litre urine container (3rd nurse visit)	Nurse	✓	✓	✓	✓
URWT6	3rd weight of total urine (kg) - 5 litre urine container (3rd nurse visit)	Nurse	✓	✓	✓	✓
UR2LWT4	1st weight of total urine (kg) - 2 litre urine container (3rd nurse visit)	Nurse	✓	✓	✓	✓
UR2LWT5	2nd weight of total urine (kg) - 2 litre urine container (3rd nurse visit)	Nurse	✓	✓	✓	✓
UR2LWT6	3rd weight of total urine (kg) - 2 litre urine container (3rd nurse visit)	Nurse	✓	✓	✓	✓
CHKMSS2	Whether any urine samples missed (3rd nurse visit)	Nurse	✓	✓	✓	✓
HOWMANM2	Number of samples missed (3rd nurse visit)	Nurse	✓	✓	✓	✓
ALLPABA2	Whether took all three PABA tablets (3rd nurse visit)	Nurse	✘	✘	✓	✓
CHKPAB2	Were any PABA tablets taken (3rd nurse visit)	Nurse	✓	✓	✘	✘
CHKPAB2Y3	Were any PABA tablets taken (3rd nurse visit)	Nurse	✘	✘	✓	✓
DIET3	Dietary supplements taken on same day as urine sample (3rd nurse visit)	Nurse	✓	✓	✓	✓
URINEWT_KG	Weight of urine (kg) collected	Urine Collection Form	✓	✓	✓	✓

Measurements

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
URINEELIGIBILITY	Shows the outcome of the completeness tests for the 24-hour urine collection	Lab	✓	✓	✓	✓
Na_mmol	Urinary sodium concentration (mmol/L). As measured by instrument.	Lab	✓	✓	✓	✓
Na_mmol_Corrected	Urinary sodium concentration (mmol/L). Adjusted by method-specific correction factor (1.052).	Lab	✓	✓	✓	✓
Na_mmolM	Urinary sodium concentration (mmol/L) - Result code	Lab	✓	✓	✓	✓
Na_mmol_24h_ALL	Urinary sodium excretion (mmol/24-Hours) - Results for all urine collections deemed complete. As measured by instrument.	Lab	✓	✓	✓	✓
Na_mmol_24h_ALL_Corrected	Urinary sodium excretion (mmol/24-Hours) - Results for all urine collections deemed complete. Calculated using corrected sodium concentration.	Lab	✓	✓	✓	✓
Na_mmol_24h_ALLM	Urinary sodium excretion (mmol/24-Hours) - All - Result code	Lab	✓	✓	✓	✓
Na_mmol_24h_STANDARD	Urinary sodium excretion (mmol/24-Hours) - Results for urine collections deemed complete EXCEPT where ONLY completeness criteria is aged 4-10, 0 missed samples, collection for between 23 and 25 hours. As measured by instrument.	Lab	✓	✓	✓	✓
Na_mmol_24h_STANDARD_Corrected	Urinary sodium excretion (mmol/24-Hours) - Results for urine collections deemed complete EXCEPT where ONLY completeness criteria is aged 4-10, 0 missed samples, collection for between 23 and 25 hours. Calculated using corrected sodium concentration.	Lab	✓	✓	✓	✓

Na_mmol_24h_STANDARDM	Urinary sodium excretion (mmol/24-Hours) - Standard - Result code	Lab	✓	✓	✓	✓
Na_mmol_24h_4_10CLAIM	Urinary sodium excretion (mmol/24-Hours) - Results for urine collections deemed complete for participants aged 4-10 by claim only (not complete by PABA). As measured by instrument.	Lab	✓	✓	✓	✓
Na_mmol_24h_4_10CLAIM_Corrected	Urinary sodium excretion (mmol/24-Hours) - Results for urine collections deemed complete for participants aged 4-10 by claim only (not complete by PABA). Calculated using corrected sodium concentration.	Lab	✓	✓	✓	✓
Na_mmol_24h_4_10CLAIMM	Urinary sodium excretion (mmol/24-Hours) - 4-10 Claim only - Result code	Lab	✓	✓	✓	✓
K_MMOL	Urinary potassium (mmol/L)	Lab	✓	✓	✓	✓
K_MMOLM	Urinary potassium (mmol/L) - result code	Lab	✓	✓	✓	✓
K_MMOL_24H_ALL	Urinary potassium (mmol/24-hours) - results for all urine collections deemed complete	Lab	✓	✓	✓	✓
K_MMOL_24H_ALLM	Urinary potassium (mmol/24-hours) - all - result code	Lab	✓	✓	✓	✓
K_MMOL_24H_STANDARD	Urinary potassium (mmol/24-hours) - results for urine collections deemed complete except where only completeness criteria is aged 4-10, 0 missed samples, collection for between 23 and 25 hours.	Lab	✓	✓	✓	✓
K_MMOL_24H_STANDARDM	Urinary potassium (mmol/24-hours) - standard - result code	Lab	✓	✓	✓	✓
K_MMOL_24H_4_10CLAIM	Urinary potassium (mmol/24-hours) - results for urine collections deemed complete for participants aged 4-10 by claim only (not complete by PABA).	Lab	✓	✓	✓	✓

K_MMOL_24H_4_10CLAIMM	Urinary potassium (mmol/24-hours) - 4-10 claim - result code	Lab	✓	✓	✓	✓
UREA_MMOL	Urinary urea (mmol/L)	Lab	✓	✓	✓	✓
UREA_MMOLM	Urinary urea (mmol/L) - result code	Lab	✓	✓	✓	✓
UREA_MMOL_24H_ALL	Urinary urea (mmol/24-hours) - results for all urine collections deemed complete	Lab	✓	✓	✓	✓
UREA_MMOL_24H_ALLM	Urinary urea (mmol/24-hours) - all - result code	Lab	✓	✓	✓	✓
UREA_MMOL_24H_STANDARD	Urinary urea (mmol/24-hours) - results for urine collections deemed complete except where only completeness criteria is aged 4-10, 0 missed samples, collection for between 23 and 25 hours.	Lab	✓	✓	✓	✓
UREA_MMOL_24H_STANDARDM	Urinary urea (mmol/24-hours) - standard - result code	Lab	✓	✓	✓	✓
UREA_MMOL_24H_4_10CLAIM	Urinary urea (mmol/24-hours) - results for urine collections deemed complete for participants aged 4-10 by claim only (not complete by PABA).	Lab	✓	✓	✓	✓
UREA_MMOL_24H_4_10CLAIMM	Urinary urea (mmol/24-hours) - 4-10 claim - result code	Lab	✓	✓	✓	✓
CREATININE_MMOL	Urinary creatinine (mmol/L)	Lab	✓	✓	✓	✓
CREATININE_MMOLM	Urinary creatinine (mmol/L) - result code	Lab	✓	✓	✓	✓
CREATININE_MMOL_24H_ALL	Urinary creatinine (mmol/24-hours) - results for all urine collections deemed complete	Lab	✓	✓	✓	✓
CREATININE_MMOL_24H_ALLM	Urinary creatinine (mmol/24-hours) - all - result code	Lab	✓	✓	✓	✓
CREATININE_MMOL_24H_STANDARD	Urinary creatinine (mmol/24-hours) - results for urine collections deemed complete except where only completeness criteria is aged 4-10, 0 missed samples, collection for between	Lab	✓	✓	✓	✓

	23 and 25 hours.					
CREATININE_MMOL_24H_STANDARDM	Urinary creatinine (mmol/24-hours) - standard - result code	Lab	✓	✓	✓	✓
CREATININE_MMOL_24H_4_10CLAIM	Urinary creatinine (mmol/24-hours) - results for urine collections deemed complete for participants aged 4-10 by claim only (not complete by PABA).	Lab	✓	✓	✓	✓
CREATININE_MMOL_24H_4_10CLAIMM	Urinary creatinine (mmol/24-hours) - 4-10 claim - result code	Lab	✓	✓	✓	✓
N_PERCENT	Urinary nitrogen (%)	Lab	✓	✓	✓	✓
N_PERCENTM	Urinary nitrogen (%) - result code	Lab	✓	✓	✓	✓
N_G	(D) Urinary nitrogen (g/L)	Derived	✓	✓	✓	✓
N_GM	Urinary nitrogen (g/L) - result code	Lab	✓	✓	✓	✓
N_G_24H_ALL	Urinary nitrogen (g/24-hours) - results for all urine collections deemed complete	Lab	✓	✓	✓	✓
N_G_24H_ALLM	Urinary nitrogen (g/24-hours) - all - result code	Lab	✓	✓	✓	✓
N_G_24H_STANDARD	Urinary nitrogen (g/24-hours) - results for urine collections deemed complete except where only completeness criteria is aged 4-10, 0 missed samples, collection for between 23 and 25 hours.	Derived	✓	✓	✓	✓
N_G_24H_STANDARDM	Urinary nitrogen (g/24-hours) - standard - result code	Lab	✓	✓	✓	✓
N_G_24H_4_10CLAIM	Urinary nitrogen (g/24-hours) - results for urine collections deemed complete for participants aged 4-10 by claim only (not complete by PABA).	Derived	✓	✓	✓	✓
N_G_24H_4_10CLAIMM	Urinary nitrogen (g/24-hours) - 4-10 claim - result code	Lab	✓	✓	✓	✓

BLOOD SAMPLE

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
WILLBS	(D) Willing to have blood sample taken	Derived	✓	✓	✓	✓
BLOODOC1	(D) Blood outcome	Derived	✓	✓	✓	✓
BSOUTE	(D) Blood outcome	Derived	✓	✓	✓	✓
BSOUT	Blood Sample outcome.	Nurse	✓	✓	✓	✓
DOBLOOD	Which visit blood taken	Nurse	✓	✓	✓	✓
CLOTB	Whether has clotting disorder (first visit – intro)	Nurse	✓	✗	✗	✗
FIT2	Whether ever had a fit (first visit – intro)	Nurse	✓	✗	✗	✗
CLOTBC	Whether has clotting disorder – child (first visit – intro)	Nurse	✗	✓	✓	✓
FITC	Whether ever had a fit – child (first visit – intro)	Nurse	✗	✓	✓	✓
CLOTBA	Whether has clotting disorder – adult (first visit – intro)	Nurse	✗	✓	✓	✓
FITA	Whether ever had 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)	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 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	✗	✓	✓	✓
TCLOTB	Whether has clotting disorder (first visit - before taking sample)	Nurse	✓	✗	✗	✗
TFIT	Whether ever had a fit (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	✓	✓	✓	✓
GUARDCON	Parent/guardian willing to give consent to blood sample (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	✗	✓	✓	✓
SAMPF1A	1st EDTA (red, 2.6ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓	✓	✓
SAMPF2A	1st serum (brown, 4.7ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓	✓	✓
SAMPF3A	2nd serum (white, 4.5ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓	✓	✓
SAMPF4A	1st Lithium/heparin (orange, 7.5ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓	✓	✓
SAMPF5A	2nd Lithium heparin (orange, 7.5ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓	✓	✓
SAMPF6A	Fluoride (yellow, 1.2ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓	✓	✓
SAMPF7A	3rd lithium heparin (orange, 4.5 ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓	✓	✓
SAMPF8A	2nd EDTA (red, 2.6ml) tube filled – adult 16+ (first visit)	Nurse	✓	✓	✓	✓
SAMPF1CO	EDTA (red, 2.6ml) tube filled – child 7-15 (first visit)	Nurse	✓	✓	✓	✓
SAMPF2CO	1st lithium heparin (orange, 2.7ml) tube filled – child 7-15 (first visit)	Nurse	✓	✓	✓	✓
SAMPF3CO	1st serum (brown, 2.6ml) tube filled – child 7-15 (first visit)	Nurse	✓	✓	✓	✓
SAMPF4CO	2nd serum (white, 4.5ml) tube filled – child 7-15 (first visit)	Nurse	✓	✓	✓	✓
SAMPF5CO	2nd lithium heparin (orange, 7.5ml) tube filled – child 7-15 (first visit)	Nurse	✓	✓	✓	✓
SAMPF6CO	Fluoride (yellow, 1.2ml) tube filled – child 7-15 (first visit)	Nurse	✓	✓	✓	✓
SAMPF1CY	EDTA (red, 2.6ml) tube filled – child 1.5-6 (first visit)	Nurse	✓	✓	✓	✓
SAMPF2CY	Lithium heparin (orange, 4.5ml) tube filled – child 1.5-6 (first visit)	Nurse	✓	✓	✓	✓
SAMPF3CY	1st serum (brown, 1.1ml) tube filled – child 1.5-6 (first visit)	Nurse	✓	✓	✓	✓
SAMPF4CY	2nd serum (white, 2.7ml) 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	✗	✓	✓	✓
TCLOTB2	Whether has clotting disorder (second visit)	Nurse	✓	✗	✗	✗
TFIT2	Whether ever had a fit (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 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	✓	✓	✓	✓
SAMPF1A2	1st EDTA (red, 2.6ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓	✓	✓
SAMPF2A2	1st serum (brown, 4.7ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓	✓	✓
SAMPF3A2	2nd serum (white, 4.5ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓	✓	✓
SAMPF4A2	1st Lithium/heparin (orange, 7.5ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓	✓	✓
SAMPF5A2	2nd Lithium heparin (orange, 7.5ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓	✓	✓
SAMPF6A2	Fluoride (yellow, 1.2ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓	✓	✓
SAMPF7A2	3rd lithium heparin (orange, 4.5 ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓	✓	✓
SAMPF8A2	2nd EDTA (red, 2.6ml) tube filled – adult 16+ (second visit)	Nurse	✓	✓	✓	✓
SAMPF1C2	EDTA (red, 2.6ml) tube filled – child 7-15 (second visit)	Nurse	✓	✓	✓	✓
SAMPF2C2	1st lithium heparin (orange, 2.7ml) tube filled – child 7-15 (second visit)	Nurse	✓	✓	✓	✓
SAMPF3C2	1st serum (brown, 2.6ml) tube filled – child 7-15 (second visit)	Nurse	✓	✓	✓	✓
SAMPF4C2	2nd serum (white, 4.5ml) tube filled – child 7-15 (second visit)	Nurse	✓	✓	✓	✓
SAMPF5C2	2nd lithium heparin (orange, 7.5ml) tube filled – child 7-15 (second visit)	Nurse	✓	✓	✓	✓
SAMPF6C2	Fluoride (yellow, 1.2ml) tube filled – child 7-15 (second visit)	Nurse	✓	✓	✓	✓
SAMPF1C3	EDTA (red, 2.6ml) tube filled – child 1.5-6 (second visit)	Nurse	✓	✓	✓	✓

SAMPF2C3	Lithium heparin (orange, 4.5ml) tube filled – child 1.5-6 (second visit)	Nurse	✓	✓	✓	✓
SAMPF3C3	1st serum (brown, 1.1ml) tube filled – child 1.5-6 (second visit)	Nurse	✓	✓	✓	✓
SAMPF4C3	2nd serum (white, 2.7ml) 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	✓	✓	✓	✓
TCLOTBC3	Whether has clotting disorder – child (third visit)	Nurse	✗	✓	✓	✓
TFITC3	Whether ever had a fit – child (third visit)	Nurse	✗	✓	✓	✓
TCLOTBA3	Whether has clotting disorder – adult (third visit)	Nurse	✗	✓	✓	✓
TFITA3	Whether ever had a fit – adult (third visit)	Nurse	✗	✓	✓	✓
TCLOTB3	Whether has clotting disorder (third visit)	Nurse	✓	✗	✗	✗
TFIT3	Whether ever had a fit (third visit)	Nurse	✓	✗	✗	✗
TEAT3	Had anything to eat or drink (excluding water) in the last 8 hours (third visit) - adult	Nurse	✓	✓	✓	✓
CHEAT3	Had anything to eat or drink (excluding water) in the last 8 hours (third visit) - child	Nurse	✓	✓	✓	✓
TBSWILL3	Willing to have blood sample taken (third visit)	Nurse	✓	✓	✓	✓

TCBSCON3	Child willing to have blood sample taken (third visit)	Nurse	✓	✓	✓	✓
AMETOPU3	Ametop gel to be used (third visit)	Nurse	✓	✓	✓	✓
ALLERGY3	Allergy to a local or general anesthetic (third visit)	Nurse	✓	✓	✓	✓
NOAMETO3	Consent to blood sample without Ametop gel (third visit)	Nurse	✓	✓	✓	✓
TREFBS21	Refused blood sample: Previous difficulties with venepuncture (third visit)	Nurse	✗	✓	✓	✓
TREFBS22	Refused blood sample: Dislike/fear of needles (third visit)	Nurse	✗	✓	✓	✓
TREFBS23	Refused blood sample: Recently had blood test/health check (third visit)	Nurse	✗	✓	✓	✓
TREFBS24	Refused blood sample: Because of current illness (third visit)	Nurse	✗	✓	✓	✓
TREFBS25	Refused blood sample: Worried about HIV or AIDS (third visit)	Nurse	✗	✓	✓	✓
TREFBS26	Refused blood sample: No paediatric phlebotomist available (third visit)	Nurse	✗	✓	✓	✓
TREFBS27	Refused blood sample: Parent doesn t agree with it/thinks child too young (third visit)	Nurse	✗	✓	✓	✓
TREFBS28	Refused blood sample: Too busy (third visit)	Nurse	✗	✓	✓	✓
TREFBS29	Refused blood sample: Time constraints (i.e. appointment timings not convenient) (third visit)	Nurse	✗	✓	✓	✓
TREFBS30	Refused blood sample: Other reason (third visit)	Nurse	✗	✓	✓	✓
GUARDCO3	Parent/guardian willing to give consent to blood sample (third visit)	Nurse	✓	✓	✓	✓
SAMPF1A3	1st EDTA (red, 2.6ml) tube filled – adult 16+ (third visit)	Nurse	✓	✓	✓	✓
SAMPF2A3	1st serum (brown, 4.7ml) tube filled – adult 16+ (third visit)	Nurse	✓	✓	✓	✓
SAMPF3A3	2nd serum (white, 4.5ml) tube filled – adult 16+ (third visit)	Nurse	✓	✓	✓	✓
SAMPF4A3	1st Lithium/heparin (orange, 7.5ml) tube filled – adult 16+ (third visit)	Nurse	✓	✓	✓	✓
SAMPF5A3	2nd Lithium heparin (orange, 7.5ml) tube filled – adult 16+ (third visit)	Nurse	✓	✓	✓	✓
SAMPF6A3	Fluoride (yellow, 1.2ml) tube filled – adult 16+ (third visit)	Nurse	✓	✓	✓	✓
SAMPF7A3	3rd lithium heparin (orange, 4.5 ml) tube filled – adult 16+ (third visit)	Nurse	✓	✓	✓	✓
SAMPF8A3	2nd EDTA (red, 2.6ml) tube filled – adult 16+ (third visit)	Nurse	✓	✓	✓	✓
SAMPF1C4	EDTA (red, 2.6ml) tube filled – child 7-15 (third visit)	Nurse	✓	✓	✓	✓
SAMPF2C4	1st lithium heparin (orange, 2.7ml) tube filled – child 7-15	Nurse	✓	✓	✓	✓

Variable		Source	Year 1	Year 2	Year 3	Year 4
	(third visit)					
SAMPF3C4	1st serum (brown, 2.6ml) tube filled – child 7-15 (third visit)	Nurse	✓	✓	✓	✓
SAMPF4C4	2nd serum (white, 4.5ml) tube filled – child 7-15 (third visit)	Nurse	✓	✓	✓	✓
SAMPF5C3	2nd lithium heparin (orange, 7.5ml) tube filled – child 7-15 (third visit)	Nurse	✓	✓	✓	✓
SAMPF6C3	Fluoride (yellow, 1.2ml) tube filled – child 7-15 (third visit)	Nurse	✓	✓	✓	✓
SAMPF1C5	EDTA (red, 2.6ml) tube filled – child 1.5-6 (third visit)	Nurse	✓	✓	✓	✓
SAMPF2C5	Lithium heparin (orange, 4.5ml) tube filled – child 1.5-6 (third visit)	Nurse	✓	✓	✓	✓
SAMPF3C5	1st serum (brown, 1.1ml) tube filled – child 1.5-6 (third visit)	Nurse	✓	✓	✓	✓
SAMPF4C5	2nd serum (white, 2.7ml) tube filled – child 1.5-6 (third visit)	Nurse	✓	✓	✓	✓
SAMPTAK3	Blood sample outcome (third visit)	Nurse	✓	✓	✓	✓
SAMDIF15	Blood sample problems: No problem (third visit)	Nurse	✓	✓	✓	✓
SAMDIF16	Blood sample problems: Incomplete sample (third visit)	Nurse	✓	✓	✓	✓
SAMDIF17	Blood sample problems: Collapsing/poor veins (third visit)	Nurse	✓	✓	✓	✓
SAMDIF18	Blood sample problems: third attempt necessary (third visit)	Nurse	✓	✓	✓	✓
SAMDIF19	Blood sample problems: Some blood obtained, but respondent felt faint/fainted (third visit)	Nurse	✓	✓	✓	✓
SAMDIF20	Blood sample problems: Unable to use tourniquet (third visit)	Nurse	✓	✓	✓	✓
SAMDIF21	Blood sample problems: Other (third visit)	Nurse	✓	✓	✓	✓
NOBSC7	No blood sample: No suitable or no palpable vein/collapsed veins (third visit)	Nurse	✓	✓	✓	✓
NOBSC8	No blood sample: Respondent was too anxious/nervous (third visit)	Nurse	✓	✓	✓	✓
NOBSC9	No blood sample: Respondent felt faint/fainted (third visit)	Nurse	✓	✓	✓	✓
NOBSC99	No blood sample: Other reason (third visit)	Nurse	✓	✓	✓	✓
SAMPTAK4	Blood sample outcome - computed	Nurse	✓	✓	✓	✓

Measurements

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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[6]	Haemoglobin A1c (%)	Lab	✓	✓	✓	✓
A1CRES[6]	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	✓	✓	✓	✓
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	✓	✓	✓	✓

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[6] HbA1c was funded separately by Diabetes UK and was measured in blood samples collected for Years 1-4 of the NDNS Rolling Programme

Variable	Description	Source				
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	✓	✓	✓	✓
FREET3[7]	Triiodothyronine; Free (T3) (pmol/L)	Lab	✗	✓	✓	✗
FREET3RES[7]	Triiodothyronine; Free (T3) (pmol/L) - Result Code	Lab	✗	✓	✓	✗
FREET4[7]	Thyroxine;free (T4) (pmol/L)	Lab	✗	✓	✓	✗
FREET4RES[7]	Thyroxine;free (T4) (pmol/L) - Result Code	Lab	✗	✓	✓	✗
TSH[7]	Thyrotropin (thyroid-stimulating hormone;TSH) (mIU/L)	Lab	✗	✓	✓	✗
TSHRRES[7]	Thyrotropin (thyroid-stimulating hormone;TSH) (mIU/L) - Result Code	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	✓	✓	✓	✓

[7] Thyroid function hormones were funded separately by Addenbrookes hospital, Cambridge (UK) and were measured in blood samples collected for Years 2-3 of the NDNS Rolling Programme

Variable	Description	Source				
V25OHD	25-Hydroxy Vitamin D (nmol/L)	Lab	✓	✓	✓	✓
V25OHD_Std	25-Hydroxy Vitamin D (nmol/L) – Standardised (to HNR LC-MS/MS) result	Lab	✓	✓	✓	✓
V25OHDRES	25-Hydroxy Vitamin D (nmol/L) - Result Code	Lab	✓	✓	✓	✓
V25OHD_COMMENT	25-Hydroxy Vitamin D (nmol/L) Comment	Lab	✓	✓	✓	✓
GLUCOSE[8]	Glucose (mmol/L)	Lab	✓	✓	✓	✓
GLUCOSERES[8]	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	✓	✓	✓	✓
VITC	Vitamin C (µmol/L)	Lab	✓	✓	✓	✓
VITCRES	Vitamin C (µmol/L) - Result Code	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	✓	✓	✓	✓
VITB6PA	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	✓	✓	✓	✓
RETPALM	Retinol Palmitate (µmol/L)	Lab	✓	✓	✓	✓
RETPALMRES	Retinol Palmitate (µmol/L) - Result Code	Lab	✓	✓	✓	✓
RETPALM_COMMENT	Retinol Palmitate (µmol/L) Comment	Lab	✓	✓	✓	✓
ATC	Alpha-Tocopherol (µmol/L)	Lab	✓	✓	✓	✓
ATCRES	Alpha-Tocopherol (µmol/L) - Result Code	Lab	✓	✓	✓	✓

[8] Glucose was funded separately by Diabetes UK and was measured in blood samples collected for Years 1-4 of the NDNS Rolling Programme

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	✓	✓	✓	✓
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	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	✓	✓	✓	✓
RCFOLATECOMMENTS	Red Cell Folate (nmol/L) Comment	Lab	✓	✓	✓	✓
SERUMFOLATE	Total Serum Folate (nmol/L)	Lab	✓	✓	✓	✓

SERUMFOLATERES	Total Serum Folate (nmol/L) - Result Code	Lab	✔	✔	✔	✔
SERUMFOLATECOMMENTS	Total Serum Folate (nmol/L) Comment	Lab	✔	✔	✔	✔
V5_METHYLTHF	5-Methyltetrahydrofolic acid (nmol/L)	Lab	✔	✔	✔	✔
V5_METHYLTHFRES	5-Methyltetrahydrofolic acid (nmol/L) - Result Code	Lab	✔	✔	✔	✔
V5_METHYLTHFCOMMENTS	5-Methyltetrahydrofolic acid (nmol/L) Comment	Lab	✔	✔	✔	✔
FOLIC	Folic Acid (nmol/L)	Lab	✔	✔	✔	✔
FOLICRES	Folic Acid (nmol/L) - Result Code	Lab	✔	✔	✔	✔
FOLICCOMMENTS	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_FORMYLTHFCOMMENTS	5-Formyltetrahydrofolic acid (nmol/L) Comment	Lab	✔	✔	✔	✔
THF	Tetrahydrofolic acid (nmol/L)	Lab	✔	✔	✔	✔
THFRES	Tetrahydrofolic acid (nmol/L) - Result Code	Lab	✔	✔	✔	✔
THFCOMMENTS	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_METHENYLTHFCOMMENTS	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	✔	✔	✔	✔
MEFOXCOMMENTS	MeFox (oxidation product of 5-methylTHF) (nmol/L) Comment	Lab	✔	✔	✔	✔

FOOD LEVEL DIETARY DATA

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
ISERIAL[9]	Individual serial number	Diary	✓	✓	✓	✓
SurveyYear	NDNS Survey year	Diary	✓	✓	✓	✓
AGE	Age	Indiv	✓	✓	✓	✓
SEX	Sex	Indiv	✓	✓	✓	✓
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
RecipeMainFoodGroupDesc	Main food group description for the recipe	Diary	✓	✓	✓	✓

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[9] Variable renamed SERIALI in archived dataset

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
	in which food a constituent ingredient (will be same as for food unless coded as part of a recipe)					
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
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 1	Year 2	Year 3	Year 4
Fruitg	Fruit (including from composite dishes) (g) – As consumed from all food groups – refer to the User Guide (Chapter 5) for more details	Diary	✓	✓	✓	✓
DriedFruitg	Dried Fruit (including from composite dishes) (g) – As consumed from all food groups – refer to the User Guide (Chapter 5) for more details	Diary	✓	✓	✓	✓
FruitJuiceg	Fruit juice (including from composite dishes) (g) – As consumed from all food groups – refer to the user guide (Chapter 5) for more details	Diary	✓	✓	✓	✓
SmoothieFruitg	Fruit from smoothies (including from composite dishes) (g) – As consumed from all food groups – refer to the user guide (Chapter 5) for more details	Diary	✓	✓	✓	✓
Tomatoesg	Tomatoes (including from composite dishes) (g) – As consumed from all food groups – refer to the user guide (Chapter 5) for more details	Diary	✓	✓	✓	✓
TomatoPureeg	Tomato puree (including from composite dishes) (g) – As consumed from all food groups – refer to the user guide (Chapter 5) for more details	Diary	✓	✓	✓	✓
Brassicaceaeg	Brassicaceae (including from composite dishes) (g) – As consumed from all food groups – refer to the user guide (Chapter 5) for more details	Diary	✓	✓	✓	✓
YellowRedGreeng	Yellow, red and green vegetables (including from composite dishes) (g) – As consumed from all food groups – refer to the user guide (Chapter 5) for more details	Diary	✓	✓	✓	✓
Beansg	Beans (including from composite dishes) (g) – As consumed from all food groups – refer to the user guide (Chapter 5) for	Diary	✓	✓	✓	✓

	more details					
Nutsg	Nuts (including from composite dishes) (g/portion)	Diary	✓	✓	✓	✓
OtherVegg	Other vegetables (including from composite dishes) – As consumed from all food groups – refer to the user guide (Chapter 5) for more details	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	Diary	✓	✓	✓	✓

	dishes) (g/portion)					
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 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
ISERIAL[10]	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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓

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[10] Variable renamed SERIALI in archived dataset

COATEDCHICKEN	Coated chicken and turkey (g)	Diary	✓	✓	✓	✓
COMMERCIALTODDLERSFOODSANDDRINKS	Commercial toddler foods and drinks	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	✓	✓	✓	✓
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	✓	✓	✓	✓
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	✓	✓	✓	✓
LOWFATSPREADNOTPOLYUNSATURATED	Low fat spread not polyunsaturated (g)	Diary	✓	✓	✓	✓
POLYUNSATURATEDLOWFATSPREAD	Polyunsaturated low fat spread (g)	Diary	✓	✓	✓	✓
REDUCEDFATSPREADPOLYUNSATURATED	Reduced fat spread polyunsaturated (g)	Diary	✓	✓	✓	✓
SAVOURYSAUCESPICKLESGRAVIESCONDIMENTS	Sauces, pickles and gravies (g)	Diary	✓	✓	✓	✓
SOUPHOMEMADEANDRETAIL	Soup homemade and retail (g)	Diary	✓	✓	✓	✓
CHEDDARCHEESE	Cheddar cheese (g)	Diary	✓	✓	✓	✓
COTTAGECHEESE	Cottage cheese (g)	Diary	✓	✓	✓	✓
OTHERCHEESE	Other cheese (g)	Diary	✓	✓	✓	✓
SMOOTHIES100FRUITANDORJUICE	Smoothies 100% fruit and/or juice (g)	Diary	✘	✘	✓	✓

Other dietary information

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
SpecialDiet	Following a special diet during recording period	Diary	✓	✓	✓	✓
SpecialDietDetails	Details of special diet	Diary	✓	✓	✓	✓
Supps	Dietary Supplements taken on this day	Diary	✓	✓	✓	✓
FoodQuantity	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	✓	✓	✓	✓
DrinkQuantity	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 1	Year 2	Year 3	Year 4
ISERIAL[11]	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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓

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[11] 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 (mg) 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	✓	✓	✓	✓

Intrinsicandmilksugarsg	Intrinsic and milk sugars (g) diet only	Diary	✓	✓	✓	✓
Intrinsicandmilksugarsandstarch	Intrinsic and milk sugars and starch (g) diet only	Diary	✓	✓	✓	✓
Englystfibreg	Non-starch polysaccharides (Englyst 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	✓	✓	✓	✓
TotalGrams	Total grams of food consumed	Diary	✓	✓	✓	✓

Nutrients (including supplements)

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	Diary	✓	✓	✓	✓

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
	supplements					
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	✓	✓	✓	✓

Disaggregated foods

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
Tompureex5	Tomato puree g x 5	Derived	✓	✓	✓	✓
beansmax	Beans g (maximum 80g)	Derived	✓	✓	✓	✓
smoothiefruitmax	Fruit from smoothies g (maximum 160g)	Derived	✓	✓	✓	✓
fruitjuicemax	Fruit juice g (maximum 150g)	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	Diary	✓	✓	✓	✓

	dishes) (g)					
OtherCheeseg	Other cheese (incl from composite dishes) (g)	Diary	✓	✓	✓	✓

Other dietary information

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
SpecialDiet	Following a special diet during recording period	Diary	✓	✓	✓	✓
SpecialDietDetails	Details of special diet	Diary	✓	✓	✓	✓
Supps	Dietary Supplements taken on this day	Diary	✓	✓	✓	✓
FoodQuantity	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	✓	✓	✓	✓
DrinkQuantity	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 1	Year 2	Year 3	Year 4
CODLIVEROILANDOTHERFISHOILS	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	✓	✓	✓	✓
VITAMINSTWOORMOREINCLMULTIVITSNOMINERALS	Multi-vitamins (no minerals)	Diary	✓	✓	✓	✓
VITAMINSANDMINERALSINCLMULTIVITSMINERALS	Multivitamins and minerals	Diary	✓	✓	✓	✓
NONNUTRIENTSUPPLEMENTSINCLHERBAL	Non-nutrient supplements (including herbal)	Diary	✓	✓	✓	✓
MINERALSTWOORMOREINCLMULTIMINSNOVITAMINS	Multi-minerals (no vitamins)	Diary	✓	✓	✓	✓
SINGLEVITAMINSMINERALS	Single vitamins/minerals	Derived	✓	✓	✓	✓

PERSON LEVEL DIETARY DATA

Admin

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
ISERIAL[12]	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 1	Year 2	Year 3	Year 4
TotalEMJ	Total energy (MJ) diet only	Diary	✓	✓	✓	✓
FoodEMJ	Food energy (MJ) diet only	Diary	✓	✓	✓	✓
EnergykJ	Total energy (kJ) diet only	Diary	✓	✓	✓	✓
FoodEkJ	Total energy (kcal) diet only	Diary	✓	✓	✓	✓
Energykcal	Food energy (kJ) 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	✓	✓	✓	✓

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[12] Variable renamed SERIALI in archived dataset

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	✓	✓	✓	✓
Intrinsicandmilksugarsandstarch	Intrinsic and milk sugars and starch (g) diet only	Diary	✓	✓	✓	✓
Englystfibreg	Non-starch polysaccharides (Englyst 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 (mg) 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	✓	✓	✓	✓

			Year 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓
VitaminDmgplussupps	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 1	Year 2	Year 3	Year 4
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	EAR riboflavin	COMA	✓	✓	✓	✓
Riboflavinlrni	Riboflavin (mg) (LRNI)	COMA	✓	✓	✓	✓
Niacinrni	Niacin (mg) (RNI)	COMA	✓	✓	✓	✓
Niacinlrni	Niacin (mg NE/1000kcal) (LRNI)	COMA	✓	✓	✓	✓
VitB6rni	Vitamin B6 (mg) (RNI)	COMA	✓	✓	✓	✓
EARvitB6	EAR vitamin B6	COMA	✓	✓	✓	✓
VitB6lrni	Vitamin B6 (ug/g protein) (LRNI)	COMA	✓	✓	✓	✓
VitB12rni	Vitamin B12 (ug) (RNI)	COMA	✓	✓	✓	✓
EARvitB12	EAR vitamin B12	COMA	✓	✓	✓	✓
VitB12lrni	Vitamin B12 (ug) (LRNI)	COMA	✓	✓	✓	✓
Folaterni	Folate (ug) (RNI)	COMA	✓	✓	✓	✓
EARfolate	EAR folate	COMA	✓	✓	✓	✓
Folatelrni	Folate (ug) (LRNI)	COMA	✓	✓	✓	✓
VitCrni	Vitamin C (mg) (RNI)	COMA	✓	✓	✓	✓
EARvitC	EAR vitamin C	COMA	✓	✓	✓	✓
VitClrni	Vitamin C (mg) (LRNI)	COMA	✓	✓	✓	✓
VitDrni	Vitamin D (ug) (RNI)	COMA	✓	✓	✓	✓
VitArni	Vitamin A (ug) (RNI)	COMA	✓	✓	✓	✓

EARVitA	EAR Vitamin A	COMA	✓	✓	✓	✓
VitAlrni	Vitamin A (ug) (LRNI)	COMA	✓	✓	✓	✓
Calciumrni	Calcium (mg) (RNI)	COMA	✓	✓	✓	✓
EARcalcium	EAR calcium	COMA	✓	✓	✓	✓
Calciumlrni	Calcium (mg) (LRNI)	COMA	✓	✓	✓	✓
Phosphorusrni	Phosphorus (mg) (RNI)	COMA	✓	✓	✓	✓
Magnesiumrni	Magnesium (mg) (RNI)	COMA	✓	✓	✓	✓
EARmagnesium	EAR magnesium	COMA	✓	✓	✓	✓
Magnesiumlrni	Magnesium (mg) (LRNI)	COMA	✓	✓	✓	✓
Sodiumrni	Sodium (mg) (RNI)	COMA	✓	✓	✓	✓
Sodiumlrni	Sodium (mg) (LRNI)	COMA	✓	✓	✓	✓
Potassiumrni	Potassium (mg) (RNI)	COMA	✓	✓	✓	✓
Potassiumlrni	Potassium (mg) (LRNI)	COMA	✓	✓	✓	✓
Chlorinerni	Chlorine (mg) (RNI)	COMA	✓	✓	✓	✓
Ironrni	Iron (mg) (RNI)	COMA	✓	✓	✓	✓
EARiron	EAR iron	COMA	✓	✓	✓	✓
Ironlrni	Iron (mg) (LRNI)	COMA	✓	✓	✓	✓
Zincrni	Zinc (mg) (RNI)	COMA	✓	✓	✓	✓
EARzinc	EAR zinc	COMA	✓	✓	✓	✓
Zinclrni	Zinc (mg) (LRNI)	COMA	✓	✓	✓	✓
Copperrni	Copper (mg) (RNI)	COMA	✓	✓	✓	✓
Seleniumrni	Selenium (ug) (RNI)	COMA	✓	✓	✓	✓
Seleniumlrni	Selenium (ug) (LRNI)	COMA	✓	✓	✓	✓
Iodinerni	Iodine (ug) (RNI)	COMA	✓	✓	✓	✓
Iodinelrni	Iodine (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	Vitamin E (mg) (Safe Intake)	COMA	✓	✓	✓	✓
Manganesesi	Manganese (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	✓	✓	✓	✓
IMSpcfoodE	Intrinsic and milk sugars and starch percent food energy	Derived	✓	✓	✓	✓
IMSpctotE	Intrinsic and milk sugars and starch percent total energy	Derived	✓	✓	✓	✓
IMSSpcfoodE	Intrinsic and milk sugars percent food energy	Derived	✓	✓	✓	✓
IMSSpctotE	Intrinsic and milk sugars percent total energy	Derived	✓	✓	✓	✓
AlcoholpctotE	Alcohol percent total energy	Derived	✓	✓	✓	✓
VitB6pprot	Vitamin B6 µg/g protein	Derived	✓	✓	✓	✓
Niacinequivalentmgper1000kcal	Niacin Equivalent in mg/1000 kcal	Derived	✓	✓	✓	✓
Thiaminmgper1000kcal	Thiamin in mg/1000 kcal	Derived	✓	✓	✓	✓
VitB6pprotplussupps	Vitamin B6 µg/g protein including supplements	Derived	✓	✓	✓	✓
Niacinequivalentmgper1000kcalplussupps	Niacin Equivalent mg/1000 kcal including supplements	Derived	✓	✓	✓	✓
Thiaminmgper1000kcalplussupps	Thiamin mg/1000 kcal including supplements	Derived	✓	✓	✓	✓
PCRNIVitA	Percent RNI Vitamin A	Derived	✓	✓	✓	✓
PCRNIThiamin	Percent RNI Thiamin	Derived	✓	✓	✓	✓
PCRNIRiboflavin	Percent RNI Riboflavin	Derived	✓	✓	✓	✓
PCRNINiacin	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	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	✓	✓	✓	✓
PCRNIplussuppsNiacin	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	✓	✓	✓	✓
PCRNIplussuppsCalcium	Percent RNI Calcium including supplements	Derived	✓	✓	✓	✓
PCRNIplussuppsIron	Percent RNI Iron including supplements	Derived	✓	✓	✓	✓
PCRNIplussuppsMagnesium	Percent RNI Magnesium including supplements	Derived	✓	✓	✓	✓
PCRNIplussuppsPotassium	Percent RNI Potassium including	Derived	✓	✓	✓	✓

	supplements		✓	✓	✓	✓
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	✓	✓	✓	✓
bloThiamlrni	Below LRNI Thiamin	Derived	✓	✓	✓	✓
bloRibolrni	Below LRNI Riboflavin	Derived	✓	✓	✓	✓
bloNiacElrni	Below LRNI Niacin equivalent	Derived	✓	✓	✓	✓
bloFollrni	Below LRNI Folate	Derived	✓	✓	✓	✓
bloVitB6lrni	Below LRNI Vitamin B6	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	✓	✓	✓	✓
bloThiamlrniplussupps	Below LRNI Thiamin including supplements	Derived	✓	✓	✓	✓
bloRibolrniplussupps	Below LRNI Riboflavin including supplements	Derived	✓	✓	✓	✓
bloNiacElrniplussupps	Below LRNI Niacin equivalents including supplements	Derived	✓	✓	✓	✓
bloFollrniplussupps	Below LRNI Folate including	Derived	✓	✓	✓	✓

Variable	Description	Source	Year 1	Year 2	Year 3	Year 4
	supplements					
bloVitB6lrniplussupps	Below LRNI Vitamin B6 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 1	Year 2	Year 3	Year 4
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	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	Diary	✓	✓	✓	✓
OILYFISH	Oily fish (g)	Diary	✓	✓	✓	✓
OTHERBREAD	Other bread (g)	Diary	✓	✓	✓	✓
OTHERMEATANDMEATPRODUCTS	Other meat and meat products	Diary	✓	✓	✓	✓

	(g)					
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	Diary	✓	✓	✓	✓
SKIMMEDMILK	Skimmed milk (g)	Diary	✓	✓	✓	✓
SUGARSPRESERVESANDSWEETPREADS	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	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	✓	✓	✓	✓
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	✓	✓	✓	✓
Fruitjuiceportions	Fruit juice portions (150g)	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) (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	✓	✓	✓	✓

			Year 1	Year 2	Year 3	Year 4
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 1	Year 2	Year 3	Year 4
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	✓	✓	✓	✓

VITAMINSTWOORMOREINCLMULTIVITSNOMINERALS	Multi-vitamins (no minerals)	Diary	✓	✓	✓	✓
MINERALSTWOORMOREINCLMULTIMINSNOVITAMINS	Multi-minerals (no vitamins)	Diary	✓	✓	✓	✓
VITAMINSANDMINERALSINCLMULTIVITSMINERALS	Multivitamins and minerals	Diary	✓	✓	✓	✓
NONNUTRIENTSUPPLEMENTSINCLHERBAL	Non-nutrient supplements (including herbal)	Diary	✓	✓	✓	✓
CODLIVEROILANDOTHERFISHOILSINCLVITADE	Cod liver and other fish oils	Derived	✓	✓	✓	✓
Supptaker	Any type of supplement	Diary	✓	✓	✓	✓
CODLIVEROILANDOTHERFISHOILSINCLVITADE_CAPI	Cod liver and other fish oils	Indiv	✓	✓	✓	✓
EVENINGPRIMROSEOILANDOTHERPLANTOILS_CAPI	Evening primrose and other plant oils	Indiv	✓	✓	✓	✓
CALCIUMONLYORWITHVITAMIND_CAPI	Calcium only or with vitamin D	Indiv	✓	✓	✓	✓
FOLICACID_CAPI	Folic acid	Indiv	✓	✓	✓	✓
IRONONLYORWITHVITAMINC_CAPI	Iron only or with vitamin C	Indiv	✓	✓	✓	✓
VITC_CAPI	Vitamin C	Indiv	✓	✓	✓	✓
OTHERNUTRIENTSUPPLEMENTS_CAPI	Other nutrient supplements	Indiv	✓	✓	✓	✓
VITAMINSTWOORMOREINCLMULTIVITSNOMINERALS_CAPI	Multi-vitamins (no minerals)	Indiv	✓	✓	✓	✓
MINERALSTWOORMOREINCLMULTIMINSNOVITAMINS_CAPI	Multi-minerals (no vitamins)	Indiv	✓	✓	✓	✓
VITAMINSANDMINERALSINCLMULTIVITSMINERALS_CAPI	Multivitamins and minerals	Indiv	✓	✓	✓	✓
NONNUTRIENTSUPPLEMENTSINCLHERBAL_CAPI	Non-nutrient supplements (including herbal)	Indiv	✓	✓	✓	✓
Supptaker	Any type of supplement	Derived	✓	✓	✓	✓
Supptaker_CAPI	Any type of supplement	Indiv	✓	✓	✓	✓

National Diet and Nutrition Survey Rolling Programme

Years 1-4
2008/09-2011/12

Derived Variables for UK Data

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

QUARTER4 (D) Quarter of fieldwork

1   Q1 Apr 08-Jun 08
2   Q2 Jul 08-Sep 08
3   Q3 Oct 08-Dec 08
4   Q4 Jan 09-Mar 09
5   Run In Feb 08-Mar08
6   Q1 Apr 09-Jun 09
7   Q2 Jul 09-Sep 09
8   Q3 Oct 09-Dec 09
9   Q4 Jan 09-Mar 09
10   Q1 Apr 10-Jun 10
11   Q2 Jul 10-Sep 10
12   Q3 Oct 10-Dec 10
13   Q4 Jan 11-Mar 11
14   Q1 Apr 11-Jun 11
15   Q2 Jul 11-Sep 11
16   Q3 Oct 11-Dec 11
17   Q4 Jan 12-Mar 12

NOTE: Quarter was run on Years 1 to 4 separately, but the labels are designed to run consecutively on the merged data.

```
SPSS Syntax (Year 1)

recode quarter (1=5) (2=1) (3=2) (4=3) (5=4) into quarter4.
variable label quarter4 '(D) Quarter of fieldwork'.
value label quarter4
 1 'Q1 Apr 08-Jun 08'
 2 'Q2 Jul 08-Sep 08'
 3 'Q3 Oct 08-Dec 08'
 4 'Q4 Jan 09-Mar 09'
 5 'Run In Feb 08-Mar 08'.
```

```
SPSS Syntax (Year 2)

recode quarter (1=6) (2=7) (3=8) (4=9) into quarter4.
variable label quarter4 '(D) Quarter of fieldwork '.
value label quarter4
 6 'Q1 Apr09 - Jun09'
 7 'Q2 Jul09 - Sep09'
 8 'Q3 Oct09 - Dec09'
 9 'Q4 Jan10 - Mar10'.
```

```
SPSS Syntax (Year 3)

recode quarter (1=10) (2=11) (3=12) (4=13) into quarter4.
variable label quarter4 '(D) Quarter of fieldwork '.
value label quarter4
 10 'Q1 Apr10 – Jun10'
 11 'Q2 Jul10 – Sep10'
 12 'Q3 Oct10 – Dec10'
 13 'Q4 Jan11 - Mar11'.
```

```
SPSS Syntax (Year 4)

recode quarter (1=14) (2=15) (3=16) (4=17) into quarter4.
variable label quarter4 '(D) Quarter of fieldwork'.
value label quarter4
 14 'Q1 Apr11 - Jun11'
 15 'Q2 Jul11 - Sep11'
 16 'Q3 Oct11 - Dec11'
 17 'Q4 Jan12 - Mar12'.
```

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 2here 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 & 4 are the same (year 4 here as the example)
```
SPSS Syntax

GET FILE="F:\NDNS\Secure\Year 4\NDNSYr4_cleanhhold.sav".

*** Number of married people in the household.
*** For 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

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

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

Actigraph

Admin

AGOUTCY1 (D) Actigraph outcome

- 1   AG result obtained
- 2   AG collected but data incomplete
- 3   Consent given but AG not placed, not worn or not collected
- 4   AG not willing
- 5   Not eligible (aged <4 or >10, had abdominal surgery, allergic to latex, or confined to bed)

NOTE: Derivation for Year 1 - acitgraphs worn by 4-10 year olds

```
SPSS syntax

recode pweary1 (0=2)(1 thru hi=1) into AGoutcy1.
if collect=1 & pweary1=-1 AGoutcy1=2.
if any(collect,2,3) | wear=5 | ActPlcd=2 AGoutcy1=3.
if any(AGCons,-8,2) AGoutcy1=4.
if any(1, Abdom, Latex, Bed) | (age<4 | age>10) AGoutcy1=5.
if any(-8, Abdom, Latex, Bed) AGoutcy1=-8.
VARIABLE LABELS AGoutcy1 "(D) Actigraph outcome".
VALUE LABELS AGoutcy1
 1 'AG result obtained'
 2 'AG collected but data incomplete'
 3 'Consent given but AG not placed, not worn or not collected'
 4 'AG not willing'
 5 'Not eligible (aged <4 or >10, had abdominal surgery, allergic to latex, or confined
to bed)'.
```

AGOUTC (D) Actigraph outcome

- 1   AG result obtained
- 2   AG collected but data incomplete
- 3   Consent given but AG not placed, not worn or not collected
- 4   AG not willing
- 5   Not eligible (aged <4 or >15, had abdominal surgery, allergic to latex, or confined to bed)

NOTE: Derivation for Years 2-4 variable due to change in age range - acitgraphs worn by 4-15 year olds in these years

```
SPSS syntax

recode pwear (0=2)(1 thru hi=1) into AGoutc.
if Collty2=1 & pwear=-1 AGoutc=2.
if any(Collty2,2,3) | weary2=5 | ActPldy2=2 AGoutc=3.
if any(Agcony2,-8,2) AGoutc=4.
if any(1, Abdomy2, Latexy2, Bedy2) | (age<4 | age>15) AGoutc=5.
if any(-8, Abdomy2, Latexy2, Bedy2) AGoutc=-8.
VARIABLE LABELS AGoutc "(D) Actigraph outcome".
VALUE LABELS AGoutc
 1 'AG result obtained'
 2 'AG collected but data incomplete'
 3 'Consent given but AG not placed, not worn or not collected'
 4 'AG not willing'
 5 'Not eligible (aged <4 or >15, had abdominal surgery, allergic to latex, or confined
to bed)'.
```

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, armrel12, armrel13, 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

```
RECODE bmival (0 thru 18.5=1)(18.5 thru 25=2)(25 thru 30=3) (30 thru 40=4) (40 thru hi=5)
(lo thru -1=COPY) INTO bmivg5.
If age<16 bmivg5=-1.
VARIABLE LABELS bmivg5 "(D) Adults valid BMI grouped (<18.5,18.5-25,25-30,30-40, 40+)".
VALUE LABELS bmivg5
1 "Under 18.5"
2 "18.5 and below 25"
3 "25 and below 30"
4 "30 and below 40"
5 "Over 40".
```

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

1   Normal-weight
2   Over-weight
3   Obese

```
SPSS Syntax

COMPUTE intexagem=0.
if age<2 or age>=19 intexagem=-1.
IF bmiok<>1 intexagem=-1.
IF (dobdate> 0) intexagem=((idate-dobdate)/(86400*30.4375)) .
IF (age=2 and intexagem<2) and idate=dobdate and imon=dobmon intexagem=2.
VARIABLE LABELS intexagem "(D) Exact age at interview (months)".
exe.
***************************OBESITY/OVERWEIGHT USING 85th/95th centiles*********.

compute bmiwho=0.

* Boys Thresold

IF sex= 1 AND (intexagem>= 24 AND intexagem<25) AND bmival< 17.093 bmiwho=1.
IF sex= 1 AND (intexagem>= 25 AND intexagem<26) AND bmival< 17.358 bmiwho=1.
IF sex= 1 AND (intexagem>= 26 AND intexagem<27) AND bmival< 17.316 bmiwho=1.
IF sex= 1 AND (intexagem>= 27 AND intexagem<28) AND bmival< 17.274 bmiwho=1.
IF sex= 1 AND (intexagem>= 28 AND intexagem<29) AND bmival< 17.234 bmiwho=1.
IF sex= 1 AND (intexagem>= 29 AND intexagem<30) AND bmival< 17.195 bmiwho=1.
IF sex= 1 AND (intexagem>= 30 AND intexagem<31) AND bmival< 17.157 bmiwho=1.
IF sex= 1 AND (intexagem>= 31 AND intexagem<32) AND bmival< 17.12 bmiwho=1.
IF sex= 1 AND (intexagem>= 32 AND intexagem<33) AND bmival< 17.085 bmiwho=1.
IF sex= 1 AND (intexagem>= 33 AND intexagem<34) AND bmival< 17.05 bmiwho=1.
IF sex= 1 AND (intexagem>= 34 AND intexagem<35) AND bmival< 17.016 bmiwho=1.
IF sex= 1 AND (intexagem>= 35 AND intexagem<36) AND bmival< 16.984 bmiwho=1.
IF sex= 1 AND (intexagem>= 36 AND intexagem<37) AND bmival< 16.953 bmiwho=1.
IF sex= 1 AND (intexagem>= 37 AND intexagem<38) AND bmival< 16.924 bmiwho=1.
IF sex= 1 AND (intexagem>= 38 AND intexagem<39) AND bmival< 16.896 bmiwho=1.
IF sex= 1 AND (intexagem>= 39 AND intexagem<40) AND bmival< 16.87 bmiwho=1.
IF sex= 1 AND (intexagem>= 40 AND intexagem<41) AND bmival< 16.846 bmiwho=1.
IF sex= 1 AND (intexagem>= 41 AND intexagem<42) AND bmival< 16.825 bmiwho=1.
IF sex= 1 AND (intexagem>= 42 AND intexagem<43) AND bmival< 16.805 bmiwho=1.
IF sex= 1 AND (intexagem>= 43 AND intexagem<44) AND bmival< 16.787 bmiwho=1.
IF sex= 1 AND (intexagem>= 44 AND intexagem<45) AND bmival< 16.771 bmiwho=1.
IF sex= 1 AND (intexagem>= 45 AND intexagem<46) AND bmival< 16.757 bmiwho=1.
IF sex= 1 AND (intexagem>= 46 AND intexagem<47) AND bmival< 16.744 bmiwho=1.
IF sex= 1 AND (intexagem>= 47 AND intexagem<48) AND bmival< 16.732 bmiwho=1.


*Overweight 85 to 95.
IF sex= 1 AND (intexagem>= 24 AND intexagem<25) AND (bmival>= 17.093 AND bmival<17.982)
bmiwho=2.
IF sex= 1 AND (intexagem>= 25 AND intexagem<26) AND (bmival>= 17.358 AND bmival<18.257)
bmiwho=2.
IF sex= 1 AND (intexagem>= 26 AND intexagem<27) AND (bmival>= 17.316 AND bmival<18.21)
bmiwho=2.
IF sex= 1 AND (intexagem>= 27 AND intexagem<28) AND (bmival>= 17.274 AND bmival<18.164)
bmiwho=2.
```

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

    1   Normal-weight
    2   Over-weight
    3   Obese

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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.
```

```
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/.
The STATA syntax used to create these variables is available on request from NatCen Social Research

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

```
variable label MVPAtime "(D) Time spent at moderate or vigorous physical activity
(hr/d)".
```

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'.
```

24-hour urine sample

Admin

WILL24H (D) Willing to provide 24hr urine

    1   Willing
    2   Not willing
    3   No nurse visit
    4   Not eligible (less than 4 or in nappies)

```
SPSS Syntax

compute Will24h=2.
If nuroutc <>810 will24h=3.
if age<4 | ((age>=4 & age<=6) & nappies=1) Will24h=4.
if urcons=1 | urpcons=1 Will24h=1.
VARIABLE LABELS Will24H 'Willing to provide 24hr urine'.
EXECUTE .
VALUE LABELS Will24h
 1 'Willing'
 2 'Not willing'.
 3 'No nurse visit'
 4 'Not eligible (less than 4 or in nappies)'.
```

UR24OC1 (D) 24-hr urine outcome

    1   24hr urine taken
    2   No urine taken
    3   No nurse visit
    4   Not eligible (less than 4 or in nappies)

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

```
SPSS Syntax

Compute Ur24OC1=2.
If UrColl=1 | urcoll2=1 ur24oc1=1.
If nuroutc<>810 ur24OC1=3.
if age<4 | ((age>=4 & age<=6) & nappies=1) ur24OC1=4.
VARIABLE LABELS Ur24OC1 '(D) 24-hr urine outcome'.
EXECUTE .
VALUE LABELS Ur24OC1
 1 '24hr urine taken'
 2 'No urine taken'
 3 'No nurse visit'
 4 'Not eligible (less than 4 or in nappies)'.
```

Measurements

As the per cent below/above urinary sodium threshold and estimated salt excretion threshold variables are included in the NDNS RP Years 1-4 report but are not included in the archive datasets, to derive the per cent below/above a threshold variable, users should adapt the example syntax provided below for the per cent below estimated salt excretion thresholds (please note that 'Salt_g_24h_STANDARD_Corrected' and 'Salt_g_24h_4_10_CLAIM_Corrected' and its derivatives do not exist in the archive dataset but can be derived as shown below).

∗Salt_g_24h_STANDARD_Corrected (D) Estimated salt excretion (g/24-Hours) – Results for urine collections deemed complete EXCEPT where ONLY completeness criteria is aged 4-10, 0 missed samples, collection for between 23 to 25 hours. Calculated using corrected sodium excretion.

∗Salt_g_24h_4_10_CLAIM_Corrected (D) Estimated salt excretion (g/24-Hours) - Results for urine collections deemed complete for participants aged 4-10 by claim only (not complete by PABA). Calculated using corrected sodium excretion.

NOTE: Estimated salt has been computed from corrected 24-hour sodium excretion using the equation:
    1g of salt equals 17.1mmol/L of sodium

```
SPSS Syntax

COMPUTE Salt_g_24h_STANDARD_Corrected = (NA_mmol_24h_STANDARD_Corrected / 17.1).
COMPUTE Salt_g_24h_4_10CLAIM_Corrected = (NA_mmol_24h_4_10CLAIM_Corrected / 17.1).
EXECUTE.
```

∗SaltStandardCorrectedALL (D) Percentage distribution of estimated salt intake

1   3g/day or less
2   5g/day or less
3   6g/day or less
4   9g/day or less
5   12g/day or less
6   15g/day or less
7   18g/day or less.

```
SPSS Syntax

RECODE  Salt_g_24h_STANDARD_Corrected
(MISSING=COPY)
(LO THRU 3=1)
(LO THRU 5=2)
(LO THRU 6=3)
(LO THRU 9=4)
(LO THRU 12=5)
(LO THRU 15=6)
(LO THRU 18=7)
(ELSE=SYSMIS) INTO SaltStandardCorrectedAll.
EXECUTE.
VALUE LABELS SaltStandardCorrectedAll
1 '3g/day or less'
2 '5g/day or less'
3 '6g/day or less'
4 '9g/day or less'
5 '12g/day or less'
6 '15g/day or less'
7 '18g/day or less'.
```

To derive some of the variables presented in tables in Appendix T of the NDNS RP Years 1-4 report (not included in the archive datasets), users should use or adapt the example syntax provided below.

∗URINEELIGIBILITYNUM (D) Urine eligibility number

```
SPSS Syntax

RECODE UrineEligibility
```

∗ Syntax shown as an exemplar; variable not included in the NDNS RP Years 1-4 dataset

```
('COMPLETE BY CLAIM (4-10 Only) BUT INCOMPLETE BY PABA (Took 3 PABA) '=1)
('COMPLETE BY CLAIM (4-10 Only) BUT OVER BY PABA (Took 3 PABA)'=2)
('COMPLETE BY CLAIM (Took 0, 1 or 2 PABA)'=3)
('COMPLETE BY PABA (Took 3 PABA)'=4)
('COMPLETE BY PABA (Took 3 PABA) AND COMPLETE BY CLAIM (4-10 Only)'=5)
('COMPLETE BY PABA (Took 3 PABA) BUT INCOMPLETE BY CLAIM (4-10 Only)'=6)
('COMPLETE BY PABA (Took 3 PABA) BUT OVER BY CLAIM (4-10 Only)'=7)
('INCOMPLETE COLLECTION SHEET - MISSING COLLECTION DATE/TIME (Took 0, 1 or 2 PABA)'=8)
('INCOMPLETE BY CLAIM (Took 0, 1 or 2 PABA)'=9)
('INCOMPLETE BY PABA (Took 3 PABA)'=10)
('INCOMPLETE BY PABA (Took 3 PABA) AND INCOMPLETE BY CLAIM (4-10 Only)'=11)
('INCOMPLETE BY PABA (Took 3 PABA) AND OVER BY CLAIM (4-10 Only)'=12)
('OVER BY CLAIM (Took 0, 1 or 2 PABA)'=13)
('OVER BY PABA (Took 3 PABA)'=14)
('OVER BY PABA (Took 3 PABA) AND INCOMPLETE BY CLAIM (4-10 Only)'=15)
('OVER BY PABA (Took 3 PABA) AND OVER BY CLAIM (4-10 Only)'=16)
('URINE LOST IN TRANSFER'=17)
('NO URINE COLLECTED'=18)
INTO Urineeligibilitynum.
VARIABLE LABELS  Urineeligibilitynum 'Urine eligibility number'.
EXECUTE.
```

∗TOTALPROVIDINGSAMPLES (D) Participants who provided a sample

```
SPSS Syntax

IF (Urineeligibilitynum < 18) TotalProvidingSamples =1.
EXECUTE.
VALUE LABELS TotalProvidingSamples 1 Participants who provided a sample'.
```

∗LOSTTRANSFER (D) Samples lost in the post

```
SPSS Syntax

IF (Urineeligibilitynum = 17) LostIntransfer = 1.
EXECUTE.
VALUE LABELS Lostintransfer 1 'Samples lost in the post'.
```

∗TOTALURINESAMPLESRECEIVED (D) Samples received at HNR

```
SPSS Syntax

IF (Urineeligibilitynum < 17) TotalURINEsamplesReceived =1.
EXECUTE.
VALUE LABELS TotalURINEsamplesReceived 1 'Samples received at HNR (those collected minus
those lost in the post)'.
```

∗INCOMPLETEPABA (D) Samples incomplete by PABA

```
SPSS Syntax

IF (Urineeligibilitynum = 1) IncompletePABA = 1.
IF (Urineeligibilitynum = 10) IncompletePABA = 1.
IF (Urineeligibilitynum = 11) IncompletePABA = 1.
IF (Urineeligibilitynum = 12) IncompletePABA = 1.
EXECUTE.
VALUE LABELS IncompletePABA 1 Samples incomplete by PABA'.
```

∗OVERHPLCPABA (D) Samples over by PABA i.e. more than 104 per cent by HPLC

```
SPSS Syntax

IF (Urineeligibilitynum = 2) OVERHPLCPABA = 1.
```

```
IF (Urineeligibilitynum = 14) OVERHPLCPABA = 1.
IF (Urineeligibilitynum = 15) OVERHPLCPABA = 1.
IF (Urineeligibilitynum = 16) OVERHPLCPABA = 1.
EXECUTE.
VALUE LABELS OVERHPLCPABA 1 'Samples over by PABA i.e. more than 104 per cent by HPLC'.
```

∗OVERBYCLAIM (D) Collection period greater than 25 hours

```
SPSS Syntax

IF (Urineeligibilitynum = 13) OVERBYCLAIM = 1.
EXECUTE.
VALUE LABELS OVERBYCLAIM  1 'Collection period greater than 25 hours'.
```

∗INCOMPLETESHEET (D) Missing data on the urine collection form

```
SPSS Syntax

IF (Urineeligibilitynum = 8) Incompletesheet = 1.
EXECUTE.
VALUE LABELS INCOMPLETESHEET 1 'Missing data on the urine collection form'.
```

∗COMPLETEPABA (D) Three PABA taken and recovery within 70-104 per cent by HPLC or 85-119 by colorimetry

```
SPSS Syntax

IF (Urineeligibilitynum = 4) COMPLETEPABA = 1.
IF (Urineeligibilitynum = 5) COMPLETEPABA = 1.
IF (Urineeligibilitynum = 6) COMPLETEPABA = 1.
IF (Urineeligibilitynum = 7) COMPLETEPABA = 1.
EXECUTE.
VALUE LABELS COMPLETEPABA 1 'Three paba taken and recovery within 70-104 per cent by hplc
or 85-119 by colorimetry'.
```

∗COMPLETEBYCLAIM (D) Complete by claim – 0, 1 or 2 PABA taken

```
SPSS Syntax

IF (Urineeligibilitynum = 3) COMPLETECLAIM = 1.
EXECUTE.
VALUE LABELS COMPLETECLAIM 1 'Complete by claim – 0,1 or 2 PABA taken'.
```

∗TOTALCOMPLETESAMPLES (D) Total complete samples

```
SPSS Syntax

IF (COMPLETEPABA = 1) TOTALCOMPLETESAMPLES = 1.
IF (Urineeligibilitynum = 3) TOTALCOMPLETESAMPLES = 1.
EXECUTE.
VALUE LABELS TOTALCOMPLETESAMPLES 1 'Total complete samples'.
```

∗URINERESULTCHILDCLAIMONLY (D) Assessing child completeness by claim only criterion
- 1   Included
- 2   Excluded
- 3   Not eligible

N_G (D) Urinary nitrogen in grams per litre (g/L)

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)".
```

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)'.
```

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.
```

∗ Syntax shown as an exemplar; variable not included on NDNS RP Years 1-4 datasets

```
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'.
```

Day level dietary data - nutrients

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.

DRIEDFRUITX3: Dried fruit 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.

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 on NDNS RP Years 1-4 datasets

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

Food groups (including disaggregated foods)

BEANSMAX: Beans g/day (max 80g)

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

FRUITJUICEMAX: Fruit juice g/day (max 150g)

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

SMOOTHIEFRUITMAX: Fruit from smoothies g/day (max 160g)

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

```
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

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

```
SPSS Syntax

COMPUTE Fruitvegportions = (Fruitg + Driedfruitx3_mean + Tompureex5_mean + beansmax_mean
+ 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: Fruit from smoothies 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: Total fruit and vegetable 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 five or more portions of fruit and vegetables a day

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 (including from composite dishes) (g)

```
SPSS Syntax

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

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

```
SPSS Syntax

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

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

```
SPSS Syntax

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

TOTALMEAT: Total meat (including 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 any of the archived dietary datasets. However, an example of the syntax used to derive these variables for the NDNS RP Yr1-4 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_Yr1-4_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(Energy_kcal)

becomes

FAT_sum=SUM(Fat_g)

```
SPSS syntax example

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


AGGREGATE
/BREAK=seriali Day of Week
/Age_mean=MEAN(Age).

AGGREGATE
/BREAK=seriali
/DayCount=N.

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.
```