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# NDNS: Diet and physical activity – a follow-up study during COVID-19

## List of Variables for UK Data Service

**NatCen**  
Social Research that works for society



MRC  
Epidemiology  
Unit



UNIVERSITY OF  
CAMBRIDGE

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# Introduction

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This document should be used as the starting point to analysing the NDNS: Diet and physical activity – a follow-up study during COVID-19 (referred to as DNAC) datasets, as it categorises all the variables stored on the datasets, and it is therefore easier to see the coverage of questions asked at this summary level. It also indicates whether variables are from DNAC or from the NDNS Y9-12 Rolling Programme survey.

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:

Indiv	Individual CAWI Questionnaire
Recall or Diary	Dietary data
Derived	A variable derived from other variables, and detailed in the Derived Variable Specification document
RPAQ	Recent Physical Activity Questionnaire

## CLASSIFICATION

### Household

Variable	Description	Source	DNAC	NDNS Y9-12
HSERIAL <sup>1</sup>	Household level serial number	Indiv	✓	✓
NoHHold	No household data for this individual	Indiv	✓	
HHSIZE5 <sup>2</sup>	(D) Total number of people in household – top coded at 5+	Derived	✓	
HHChildren	(D) Whether household contains children	Derived	✓	
NumRecords	Number of participants in household	Indiv	✓	
TENUREDv	(D) Household tenure – grouped	Derived	✓	

### Individual

Variable	Description	Source	DNAC	NDNS Y9-12
ISERIAL <sup>3</sup>	Individual serial number	Indiv	✓	✓
IOUT	Final individual outcome	Indiv	✓	✓
SEX	Sex	Indiv	✓	
ETHGRP4_Dv	(D) Ethnic group, 4 groups	Derived	✓	
AGEGRP4	(D) Age – 4 groups	Derived	✓	
AGEGRP16	(D) Age – 5-year bands	Derived	✓	
AGEGRPPA	(D) Age – 2 groups	Derived	✓	
MARST2DV	(D) Marital status – grouped	Derived	✓	

### Admin

Variable	Description	Source	DNAC	NDNS Y9-12
SYEAR	NDNS Survey Year	Indiv	✓	
PROXY	Proxy completion for under 11s	Indiv	✓	
Intake24Flag	Flag for Intake24 completion (at least 1 recall)	Indiv	✓	
RPAQFlag	Flag for RPAQ completion	Indiv	✓	

<sup>1</sup> Variable renamed SERIALH in archived dataset

<sup>2</sup> Variables relating to number of people in the household have been top coded to reduce disclosivity

<sup>3</sup> Variable renamed SERIALI in archived dataset

RPAQInvited	Invited to complete RPAQ	Indiv	✓	
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## Employment

Variable	Description	Source	DNAC	NDNS Y9-12
WrkStat	Whether going to school or working	Indiv	✓	
WrkStatCh01	Work status affected by: Laid off by employer with certain recall date	Indiv	✓	
WrkStatCh02	Work status affected by: Laid off or made redundant by employer with some prospect of recall	Indiv	✓	
WrkStatCh03	Work status affected by: Permanently laid off or made redundant by employer/employer ceased trading	Indiv	✓	
WrkStatCh04	Work status affected by: Employer cut hours	Indiv	✓	
WrkStatCh05	Work status affected by: Have been put on furlough or paid leave	Indiv	✓	
WrkStatCh06	Work status affected by: Using annual leave	Indiv	✓	
WrkStatCh07	Work status affected by: My business is directly affected by regulations or restrictions related to Coronavirus	Indiv	✓	
WrkStatCh08	Work status affected by: Self-isolating or sick leave with sick pay	Indiv	✓	
WrkStatCh09	Work status affected by: Self-isolating or sick leave without sick pay	Indiv	✓	
WrkStatCh10	Work status affected by: Caring for children or others/Parental Leave	Indiv	✓	
WrkStatCh11	Work status affected by: Other (please describe)	Indiv	✓	
WrkStatCh12	Work status affected by: None of the above	Indiv	✓	
WrkStatCh13	Work status affected by: Don't know	Indiv	✓	
WrkStatCh14	Work status affected by: Prefer not to answer	Indiv	✓	
WrkStatCh2	In [your/name] opinion, was this due to coronavirus Covid-19 outbreak?	Indiv	✓	

## Income

Variable	Description	Source	DNAC	NDNS Y9-12
SourceIncome_Earnings	Source of income - Earnings	Indiv	✓	
SourceIncome_StatePen	Source of income - State Pension	Indiv	✓	
SourceIncome_OthPen	Source of income - Other Pension	Indiv	✓	
SourceIncome_BenefitsTax Credits	Source of income - Benefits	Indiv	✓	
SourceIncome_Other	Source of income - Other	Indiv	✓	

Sample				
Variable	Description	Source	DNAC	NDNS Y9-12
GOR	Country/region	Indiv	✓	✓
Point	Primary sampling unit (PSU)	Sample	✓	✓

Weighting				
Variable	Description	Source	DNAC	NDNS Y9-12
wti_DNAC	Individual weight	Other	✓	
wtd_DNAC	24-hr food recall (diary) weight	Other	✓	
wtr_DNAC	RPAQ weight	Other	✓	
wth_DNAC <sup>4</sup>	Weight for household, DNAC	Other	✓	

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<sup>4</sup> This variable is in the Household level dataset only

## WEB QUESTIONNAIRE

### Changes in shopping, eating and physical activity habits

Variable	Description	Source	DNAC	NDNS Y9-12
SedC	Has [your/name] level of physical activity changed compared to before the COVID-19 virus outbreak?	Indiv	✓	
FoodShop01_harm	Changes in shopping, eating and physical activity habits: Bought items that were on special offer more	Indiv	✓	
FoodShop02_harm	Changes in shopping, eating and physical activity habits: Changed the places you buy food for cheaper alternatives	Indiv	✓	
FoodShop03_harm	Changes in shopping, eating and physical activity habits: Changed the food you buy to cheaper alternatives	Indiv	✓	
FoodShop04_harm	Changes in shopping, eating and physical activity habits: Changed the places you buy food for more expensive alternatives	Indiv	✓	
FoodShop05_harm	Changes in shopping, eating and physical activity habits: Changed the food you buy to more expensive alternatives	Indiv	✓	
FoodShop06_harm	Changes in shopping, eating and physical activity habits: Did more grocery shopping online (delivery or click and collect)	Indiv	✓	
FoodShop07_harm	Changes in shopping, eating and physical activity habits: Changed places you buy groceries from to more local alternatives	Indiv	✓	
FoodShop08_harm	Changes in shopping, eating and physical activity habits: Physically went to grocery shops less	Indiv	✓	
FoodShop09_harm	Changes in shopping, eating and physical activity habits: Received free school meal vouchers	Indiv	✓	
FoodShop10_harm	Changes in shopping, eating and physical activity habits: Obtained food from a food charity or a food bank	Indiv	✓	
FoodShop11_harm	Changes in shopping, eating and physical activity habits: Obtained food from government or local authority food scheme (e.g. food parcels/boxes for shielded groups)	Indiv	✓	
FoodShop12_harm	Changes in shopping, eating and physical activity habits: None of the above	Indiv	✓	
FoodShop13_harm	Changes in shopping, eating and physical activity habits: Don't know	Indiv	✓	
FoodShop14_harm	Changes in shopping, eating and physical activity habits: Prefer not to answer	Indiv	✓	



## Changes to food habits

Variable	Description	Source	DNAC	NDNS Y9-12
FoodEat01_harm	Changes due to Covid-19: Cooked at home more	Indiv	✓	
FoodEat02_harm	Changes due to Covid-19: Cooked at home less	Indiv	✓	
FoodEat03_harm	Changes due to Covid-19: Eaten fewer takeaways	Indiv	✓	
FoodEat04_harm	Changes due to Covid-19: Eaten more takeaways	Indiv	✓	
FoodEat05_harm	Changes due to Covid-19: Ordered meals online more (e.g. UberEats, JustEat, Deliveroo)	Indiv	✓	
FoodEat06_harm	Changes due to Covid-19: Made packed lunches more	Indiv	✓	
FoodEat07_harm	Changes due to Covid-19: Prepared food that could be kept as leftovers more	Indiv	✓	
FoodEat08_harm	Changes due to Covid-19: Kept leftovers for longer before eating	Indiv	✓	
FoodEat09_harm	Changes due to Covid-19: Eaten food past its use-by-date more	Indiv	✓	
FoodEat10_harm	Changes due to Covid-19: Snacked more between main meals	Indiv	✓	
FoodEat11_harm	Changes due to Covid-19: Eaten more fresh fruit and vegetables	Indiv	✓	
FoodEat12_harm	Changes due to Covid-19: Eaten less fresh fruit and vegetables	Indiv	✓	
FoodEat13_harm	Changes due to Covid-19: None of the above	Indiv	✓	
FoodEat14_harm	Changes due to Covid-19: Don't know	Indiv	✓	
FoodEat15_harm	Changes due to Covid-19: Prefer not to answer	Indiv	✓	

## Takeaways

Variable	Description	Source	DNAC	NDNS Y9-12
TakeAway_harm	Since February (during the coronavirus (COVID-19) outbreak) [you/name] or [your/name] household used food delivery services (e.g. UberEats, Deliveroo, Just Eat)?	Indiv	✓	
TakeAwayFreq_harm	How often do [you/name] or [your/name] household used food delivery services?	Indiv	✓	
TakeAwayDV	(D) Takeaway use during Covid	Derived	✓	

## Food security

Variable	Description	Source	DNAC	NDNS Y9-12
Meals1_harm	Reduced portion size/skipping meals due to: Not enough money to buy food	Indiv	✓	
Meals2_harm	Reduced portion size/skipping meals due to: Not well enough to shop/cook	Indiv	✓	
Meals3_harm	Reduced portion size/skipping meals due to: No means of getting to shops	Indiv	✓	
Meals4_harm	Reduced portion size/skipping meals due to: Unable to get delivery/obtain in other ways	Indiv	✓	
Meals5_harm	Reduced portion size/skipping meals due to: Food you wanted not available from shops	Indiv	✓	

Meals6_harm	Reduced portion size/skipping meals due to: None of the above	Indiv	✓	
Meals7_harm	Reduced portion size/skipping meals due to: Don't know	Indiv	✓	
Meals8_harm	Reduced portion size/skipping meals due to: Prefer not to answer	Indiv	✓	
FoodWorry_harm	To what extent are you/[name] household worried about not being able to afford food in the next month?	Indiv	✓	
FoodWorryGrp3	(D) Food worries - grouped	Derived	✓	

## Vitamins

Variable	Description	Source	DNAC	NDNS Y9-12
HSVits	The next set of questions are about dietary supplements. Have you taken NHS Healthy Start vitamins for women since February (during the coronavirus (COVID-19) outbreak)?	Indiv	✓	
HSVits2	Have you given NHS Healthy Start Childrens' Vitamin Drops (vitamins A, C and D) to [you/name] since February (during the coronavirus (COVID-19) outbreak)? Please only include NHS Healthy Start Children's vitamins drops	Indiv	✓	
HSVOft	And how often do you [take/give] these vitamins [to name]?	Indiv	✓	
VitDSuppUseDV	(D) Vitamin D supplement use during covid	Derived	✓	

## Alcohol

Variable	Description	Source	DNAC	NDNS Y9-12
DrinkInt	Do [you/name] ever drink alcohol, including drinks [you/name] brew or make at home?	Indiv	✓	
DrinkCh	Has [your/name] frequency of drinking alcohol changed since February (during the coronavirus (COVID-19) outbreak)?	Indiv	✓	
DrinkChRes	In what way has [your/name] frequency of drinking changed?	Indiv	✓	
DrinkChangeDV	(D) Drinking habits change during covid	Derived	✓	
DrinkChangeDVGrp4	(D) Drinking habits change during covid - grouped	Derived	✓	

## Financial security

Variable	Description	Source	DNAC	NDNS Y9-12
FinSec_ind	How well would you say [your/name] household is managing financially these days? Would you say you are...	Indiv	✓	
IncC19_ind	Has [your/name] household s financial situation changed since February (during the coronavirus (COVID-19) outbreak)?	Indiv	✓	
IncC19Res_ind	In what way has [your/name] household s financial situation changed?	Indiv	✓	

FinSec_harm	How well would you say [your/name] household is managing financially these days? Would you say you are...	Indiv	✓	
IncC19_harm	Has [your/name] household s financial situation changed since February (during the coronavirus (COVID-19) outbreak)?	Indiv	✓	
IncC19Res_harm	In what way has [your/name] household s financial situation changed?	Indiv	✓	
FinSituChDV	(D) Financial situation change during covid	Derived	✓	
FinSituChDVGrp3	(D) Financial situation change during covid - grouped	Derived	✓	
FinSecGrp3	(D) Managing financially - grouped	Derived	✓	

## Coronavirus

Variable	Description	Source	DNAC	NDNS Y9-12
HadSymp_ind	Do you think that [you/name], or anyone in [your/name] household, had coronavirus?	Indiv	✓	
TestRes_ind	[You/name], or anyone in [your/name] household, ever tested positive for coronavirus (COVID-19) from a test?	Indiv	✓	
NHSShield_ind	[You/name], or anyone in [your/name] household, ever received a letter from the NHS or Chief Medical Officer saying that you have been identified as someone at risk of severe illness if you catch coronavirus	Indiv	✓	
HadSympDVPart	(D) Participant thinks they had coronavirus	Derived	✓	
TestResDVPart	(D) Participant tested positive for coronavirus	Derived	✓	
NHSShieldDVPart	(D) Participant received NHS Shielding letter	Derived	✓	
HadSympDVHH	(D) Someone in household believed to have had coronavirus	Derived	✓	
TestResDVHH	(D) Someone in household tested positive for coronavirus	Derived	✓	
NHSShieldDVHH	(D) Someone in household received NHS Shielding letter	Derived	✓	

## Height and weight

Variable	Description	Source	DNAC	NDNS Y9-12
EstHt	(D) Self-reported estimated height (cm)	Derived	✓	
EstWt	(D) Self-reported estimated weight (kg)	Derived	✓	
BMI	(D) BMI - self-reported measurements	Derived	✓	
BMIg5	(D) Adult's BMI (self-reported measurements) - 5 groups	Derived	✓	
BMIg218	(D) Children's BMI (self-reported measurements) - 3 groups	Derived	✓	
HeightAdjust	Adult adjusted height	Derived	✓	
WeightAdjust	Adult adjusted weight	Derived	✓	
BMIAdjust	BMI - adjusted	Derived	✓	

BMIg5_Adjust	Adults BMI adjusted - 5 groups	Derived	✓	
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## PHYSICAL ACTIVITY DATA

### Admin

Variable	Description	Source	DNAC	NDNS Y9-12
ISERIAL <sup>5</sup>	Individual serial number	RPAQ	✓	✓
StudyYr_EpiA	Study Year for the year the data is from *	RPAQ	✓	✓
QVersion_EpiA	Questionnaire Version used for processing *	RPAQ	✓	✓
template_EpiA	Processing template data was processed under *	RPAQ	✓	✓
AGEBASE4	(D) Age at baseline – 4 groups	Derived		✓
AGEBASE16	(D) Age at baseline – 5-year bands	Derived		✓
AGEBASEPA	(D) Age at baseline – 2 groups	Derived		✓
AGEGRP4	(D) Age – 4 groups	Derived	✓	
AGEGRP16	(D) Age – 5-year bands	Derived	✓	
AGEGRPPA	(D) Age – 2 groups	Derived	✓	
Sex	Sex	Indiv	✓	
Month_now	Month of current PA	RPAQ		✓
Month_base	Month of baseline PA	RPAQ		✓
Time_btw_PA	Time (years) between baseline and current PA	Derived		✓

### Home Activities

Variable Name	Variable Description	Source	DNAC	NDNS Y9-12
Gettingabout_EpiA	Mode of transport used most often in last 4 weeks (excl to/from work) *	RPAQ	✓	
Screenweekdaypre6pm_EpiA	Sitting using a screen on a weekday before 6pm (excl work) *	RPAQ	✓	
Screenweekdaypost6pm_EpiA	Sitting using a screen on a weekday post 6pm (excl work) *	RPAQ	✓	

<sup>5</sup> Variable renamed SERIALI in archived dataset

\* Used for MRC Epidemiology Processing

Screenweekendpre6pm_EpiA	Sitting using a screen on a weekend day before 6pm (excl work) *	RPAQ	✓	
Screenweekendpost6pm_EpiA	Sitting using a screen on a weekend day post 6pm (excl work) *	RPAQ	✓	
Stairweekday_EpiA	Number of times climbed stairs at home on a weekday *	RPAQ	✓	
Stairweekend_EpiA	Number of times climbed stairs at home on a weekend day *	RPAQ	✓	

Activity at work/school/college				
Variable Name	Variable Description	Source	DNAC	NDNS Y9-12
Paidemployment_EpiA	Have been employed (incl volunteering) in the last 4 weeks *	RPAQ	✓	
Work4wkago_EpiA	Time spent working 4 weeks ago (hours). Asked directly Years 2-11. Derived from hours+minutes for Year 12 and above	RPAQ	✓	
Work4wkagoHr_EpiA	Hours spent working 4 weeks ago *	RPAQ	✓	
Work4wkagoMin_EpiA	Minutes spent working 4 weeks ago *	RPAQ	✓	
Work4wkagoReason_EpiA	Reason given for not working regular weekly duration 4 weeks ago *	RPAQ	✓	
Work3wkago_EpiA	Time spent working 3 weeks ago (hours). Asked directly Years 2-11. Derived from hours+minutes for Year 12 and above	RPAQ	✓	
Work3wkagoHr_EpiA	Hours spent working 3 weeks ago *	RPAQ	✓	
Work3wkagoMin_EpiA	Minutes spent working 3 weeks ago *	RPAQ	✓	
Work3wkagoReason_EpiA	Reason given for not working regular weekly duration 3 weeks ago *	RPAQ	✓	
Work2wkago_EpiA	Time spent working 2 weeks ago (hours). Asked directly Years 2-11. Derived from hours+minutes for Year 12 and above	RPAQ	✓	
Work2wkagoHr_EpiA	Hours spent working 2 weeks ago *	RPAQ	✓	
Work2wkagoMin_EpiA	Minutes spent working 2 weeks ago *	RPAQ	✓	
Work2wkagoReason_EpiA	Reason given for not working regular weekly duration 2 weeks ago *	RPAQ	✓	

Work1wkago_EpiA	Time spent working 1 weeks ago (hours). Asked directly Years 2-11. Derived from hours+minutes for Year 12 and above	RPAQ	✓	
Work1wkagoHr_EpiA	Hours spent working 1 week ago *	RPAQ	✓	
Work1wkagoMin_EpiA	Minutes spent working 1 week ago *	RPAQ	✓	
Work1wkagoReason_EpiA	Reason given for not working regular weekly duration 1 week ago *	RPAQ	✓	
Worktype_EpiA	Type of work *	RPAQ	✓	

### Travel to work/school/college

Variable Name	Variable Description	Source	DNAC	NDNS Y9-12
Wrkmiles_EpiA	Distance from home to work in miles *	RPAQ	✓	
Wrkkms_EpiA	Distance from home to work in kilometers *	RPAQ	✓	
Wrktimesperweek_EpiA	Number of times travelled from home to place of work (if worked from home entered as 0) *	RPAQ	✓	
Daysweekday_EpiA	Numbers of days worked in a typical week on a weekday *	RPAQ	✓	
Daysweekendday_EpiA	Numbers of days worked in a typical week on a weekend day *	RPAQ	✓	
HomeWorkerMultipleLocs_EpiA	Did work at multiple locations (so average distance estimated) *	RPAQ	✓	
Wrkbycar_EpiA	Use of car as mode for commuting to work *	RPAQ	✓	
Wrkbypubtran_EpiA	Use of public transport for commuting to work *	RPAQ	✓	
Wrkbbycycle_EpiA	Use of bicycle for commuting to work *	RPAQ	✓	
Wrkbyfoot_EpiA	Use of walking for commuting to work *	RPAQ	✓	

### Leisure Activities

Variable Name	Variable Description	Source	DNAC	NDNS Y9-12
swimComp_EpiA	Derived: Weekly frequency of swimming competitively from original entry code for swimComp *	RPAQ	✓	
swimComp_EpiA_orig	Original coded frequency of swimming competitively in the last 4 weeks (Coded 1-7) *	RPAQ	✓	

swimCompHr_EpiA	Number of hours swimming competitively (average time per episode - hours) *	RPAQ	✓	
swimCompMin_EpiA	Number of minutes swimming competitively (average time per episode - minutes) *	RPAQ	✓	
swimLeis_EpiA	Derived: Weekly frequency of swimming leisurely from original entry code for swimLeis *	RPAQ	✓	
swimLeis_EpiA_orig	Original coded frequency of swimming leisurely in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
swimLeisHr_EpiA	Number of hours swimming leisurely (average time per episode - hours) *	RPAQ	✓	
swimLeisMin_EpiA	Number of minutes swimming leisurely (average time per episode - minutes) *	RPAQ	✓	
backPackMountainClimb_EpiA	Derived: Weekly frequency of backpack or mountain climbing from original entry code for backPackMountainClimb *	RPAQ	✓	
backPackMountainClimb_EpiA_orig	Original coded frequency of backpack or mountain climbing in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
backPackMountainClimbHr_EpiA	Number of hours backpack or mountain climbing (average time per episode - hours) *	RPAQ	✓	
backPackMountainClimbMin_EpiA	Number of minutes backpack or mountain climbing (average time per episode - minutes) *	RPAQ	✓	
walkPleasure_EpiA	Derived: Weekly frequency of walking for pleasure from original entry code for walkPleasure *	RPAQ	✓	
walkPleasure_EpiA_orig	Original coded frequency of walking for pleasure in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
walkPleasureHr_EpiA	Number of hours walking for pleasure (average time per episode - hours) *	RPAQ	✓	
walkPleasureMin_EpiA	Number of minutes walking for pleasure (average time per episode - minutes) *	RPAQ	✓	
cyclingRacingRough_EpiA	Derived: Weekly frequency of rough/race cycling from original entry code for cyclingRacingRough *	RPAQ	✓	
cyclingRacingRough_EpiA_orig	Original coded frequency of rough/race cycling in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
cyclingRacingRoughHr_EpiA	Number of hours rough/race cycling (average time per episode - hours) *	RPAQ	✓	



cyclingRacingRoughMin_EpiA	Number of minutes rough/race cycling (average time per episode - minutes) *	RPAQ	✓	
cyclePleasure_EpiA	Derived: Weekly frequency of cycling for pleasure from original entry code for cyclePleasure *	RPAQ	✓	
cyclePleasure_EpiA_orig	Original coded frequency of cycling for pleasure in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
cyclePleasureHr_EpiA	Number of hours cycling for pleasure (average time per episode - hours) *	RPAQ	✓	
cyclePleasureMin_EpiA	Number of minutes cycling for pleasure (average time per episode - minutes) *	RPAQ	✓	
mowing_EpiA	Derived: Weekly frequency of mowing the lawn from original entry code for mowing *	RPAQ	✓	
mowing_EpiA_orig	Original coded frequency of mowing the lawn in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
mowingHr_EpiA	Number of hours mowing the lawn (average time per episode - hours) *	RPAQ	✓	
mowingMin_EpiA	Number of minutes mowing the lawn (average time per episode - minutes) *	RPAQ	✓	
waterLawn_EpiA	Derived: Weekly frequency of watering the lawn from original entry code for waterLawn *	RPAQ	✓	
waterLawn_EpiA_orig	Original coded frequency of watering the lawn in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
waterLawnHr_EpiA	Number of hours watering the lawn (average time per episode - hours) *	RPAQ	✓	
waterLawnMin_EpiA	Number of minutes watering the lawn (average time per episode - minutes) *	RPAQ	✓	
heavyGardening_EpiA	Derived: Weekly frequency of heavy gardening from original entry code for heavyGardening *	RPAQ	✓	
heavyGardening_EpiA_orig	Original coded frequency of heavy gardening in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
heavyGardeningHr_EpiA	Number of hours heavy gardening (average time per episode - hours) *	RPAQ	✓	
heavyGardeningMin_EpiA	Number of minutes heavy gardening (average time per episode - minutes) *	RPAQ	✓	
weedPrune_EpiA	Derived: Weekly frequency of weeding/pruning from original entry code for weedPrune *	RPAQ	✓	

weedPrune_EpiA_orig	Original coded frequency of weeding or pruning in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
weedPruneHr_EpiA	Number of hours weeding/pruning (average time per episode - hours) *	RPAQ	✓	
weedPruneMin_EpiA	Number of minutes weeding/pruning (average time per episode - minutes) *	RPAQ	✓	
dIY_EpiA	Derived: Weekly frequency of dIY from original entry code for dIY *	RPAQ	✓	
dIY_EpiA_orig	Original coded frequency of dIY in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
dIYHr_EpiA	Number of hours dIY (average time per episode - hours) *	RPAQ	✓	
dIYMin_EpiA	Number of minutes dIY (average time per episode - minutes) *	RPAQ	✓	
Household_EpiA	Derived: Weekly frequency of household activities from original entry code for Household *	RPAQ	✓	
Household_EpiA_orig	Original coded frequency of household activities in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
HouseholdHr_EpiA	Number of hours household activities (average time per episode - hours) *	RPAQ	✓	
HouseholdMin_EpiA	Number of minutes household activities (average time per episode - minutes) *	RPAQ	✓	
aerobicsHigh_EpiA	Derived: Weekly frequency of high impact aerobics from original entry code for aerobicsHigh *	RPAQ	✓	
aerobicsHigh_EpiA_orig	Original coded frequency of high intensity aerobics in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
aerobicsHighHr_EpiA	Number of hours high impact aerobics (average time per episode - hours) *	RPAQ	✓	
aerobicsHighMin_EpiA	Number of minutes high impact aerobics (average time per episode - minutes) *	RPAQ	✓	
aerobicsOther_EpiA	Derived: Weekly frequency of other aerobics from original entry code for aerobicsOther *	RPAQ	✓	
aerobicsOther_EpiA_orig	Original coded frequency of other aerobics in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
aerobicsOtherHr_EpiA	Number of hours other aerobics (average time per episode - hours) *	RPAQ	✓	

aerobicsOtherMin_EpiA	Number of minutes other aerobics (average time per episode - minutes) *	RPAQ	✓	
exerciseWeights_EpiA	Derived: Weekly frequency of exercise with weights from original entry code for exerciseWeights *	RPAQ	✓	
exerciseWeights_EpiA_orig	Original coded frequency of exercise with weights in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
exerciseWeightsHr_EpiA	Number of hours exercise with weights (average time per episode - hours) *	RPAQ	✓	
exerciseWeightsMin_EpiA	Number of minutes exercise with weights (average time per episode - minutes) *	RPAQ	✓	
conditionExercise_EpiA	Derived: Weekly frequency of conditioning exercises from original entry code for conditionExercise *	RPAQ	✓	
conditionExercise_EpiA_orig	Original coded frequency of conditioning exercises in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
conditionExerciseHr_EpiA	Number of hours conditioning exercises (average time per episode - hours) *	RPAQ	✓	
conditionExerciseMin_EpiA	Number of minutes conditioning exercises (average time per episode - minutes) *	RPAQ	✓	
floorExercise_EpiA	Derived: Weekly frequency of floor exercises from original entry code for floorExercise *	RPAQ	✓	
floorExercise_EpiA_orig	Original coded frequency of floor exercises in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
floorExerciseHr_EpiA	Number of hours floor exercises (average time per episode - hours) *	RPAQ	✓	
floorExerciseMin_EpiA	Number of minutes floor exercises (average time per episode - minutes) *	RPAQ	✓	
dancing_EpiA	Derived: Weekly frequency of dancing from original entry code for dancing *	RPAQ	✓	
dancing_EpiA_orig	Original coded frequency of dancing in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
dancingHr_EpiA	Number of hours dancing (average time per episode - hours) *	RPAQ	✓	
dancingMin_EpiA	Number of minutes dancing (average time per episode - minutes) *	RPAQ	✓	
compRun_EpiA	Derived: Weekly frequency of running competitively from original entry code for compRun *	RPAQ	✓	

compRun_EpiA_orig	Original coded frequency of competitive running in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
compRunHr_EpiA	Number of hours running competitively (average time per episode - hours) *	RPAQ	✓	
compRunMin_EpiA	Number of minutes running competitively (average time per episode - minutes) *	RPAQ	✓	
jog_EpiA	Derived: Weekly frequency of jogging from original entry code for jog *	RPAQ	✓	
jog_EpiA_orig	Original coded frequency of jogging in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
jogHr_EpiA	Number of hours jogging (average time per episode - hours) *	RPAQ	✓	
jogMin_EpiA	Number of minutes jogging (average time per episode - minutes) *	RPAQ	✓	
bowling_EpiA	Derived: Weekly frequency of bowling from original entry code for bowling *	RPAQ	✓	
bowling_EpiA_orig	Original coded frequency of bowling in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
bowlingHr_EpiA	Number of hours bowling (average time per episode - hours) *	RPAQ	✓	
bowlingMin_EpiA	Number of minutes bowling (average time per episode - minutes) *	RPAQ	✓	
tennisBadminton_EpiA	Derived: Weekly frequency of tennis/badminton from original entry code for tennisBadminton *	RPAQ	✓	
tennisBadminton_EpiA_orig	Original coded frequency of tennis/badminton in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
tennisBadmintonHr_EpiA	Number of hours tennis/badminton (average time per episode - hours) *	RPAQ	✓	
tennisBadmintonMin_EpiA	Number of minutes tennis/badminton (average time per episode - minutes) *	RPAQ	✓	
squash_EpiA	Derived: Weekly frequency of squash from original entry code for squash *	RPAQ	✓	
squash_EpiA_orig	Original coded frequency of squash in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
squashHr_EpiA	Number of hours squash (average time per episode - hours) *	RPAQ	✓	

squashMin_EpiA	Number of minutes squash (average time per episode - minutes) *	RPAQ	✓	
tableTennis_EpiA	Derived: Weekly frequency of tabletennis from original entry code for tableTennis *	RPAQ	✓	
tableTennis_EpiA_orig	Original coded frequency of table tennis in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
tableTennisHr_EpiA	Number of hours tabletennis (average time per episode - hours) *	RPAQ	✓	
tableTennisMin_EpiA	Number of minutes tabletennis (average time per episode - minutes) *	RPAQ	✓	
golf_EpiA	Derived: Weekly frequency of golfing from original entry code for golfing *	RPAQ	✓	
golf_EpiA_orig	Original coded frequency of golf in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
golfHr_EpiA	Number of hours golfing (average time per episode - hours) *	RPAQ	✓	
golfMin_EpiA	Number of minutes golfing (average time per episode - minutes) *	RPAQ	✓	
footballRugbyHockey_EpiA	Derived: Weekly frequency of football/rugby/hockey from original entry code for footballRugbyHockey *	RPAQ	✓	
footballRugbyHockey_EpiA_orig	Original coded frequency of football/rugby/hockey in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
footballRugbyHockeyHr_EpiA	Number of hours football/rugby/hockey (average time per episode - hours) *	RPAQ	✓	
footballRugbyHockeyMin_EpiA	Number of minutes football/rugby/hockey (average time per episode - minutes) *	RPAQ	✓	
cricket_EpiA	Derived: Weekly frequency of cricket from original entry code for cricket *	RPAQ	✓	
cricket_EpiA_orig	Original coded frequency of cricket/rounders in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
cricketHr_EpiA	Number of hours cricket (average time per episode - hours) *	RPAQ	✓	
cricketMin_EpiA	Number of minutes cricket (average time per episode - minutes) *	RPAQ	✓	
rowing_EpiA	Derived: Weekly frequency of rowing from original entry code for rowing *	RPAQ	✓	

rowing_EpiA_orig	Original coded frequency of rowing in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
rowingHr_EpiA	Number of hours rowing (average time per episode - hours) *	RPAQ	✓	
rowingMin_EpiA	Number of minutes rowing (average time per episode - minutes) *	RPAQ	✓	
netVolleyBasketBall_EpiA	Derived: Weekly frequency of netball/volleyball/basketball from original entry code for netVolleyBasketBall *	RPAQ	✓	
netVolleyBasketBall_EpiA_orig	Original coded frequency of netball/volleyball/basketball in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
netVolleyBasketBallHr_EpiA	Number of hours netball/volleyball/basketball (average time per episode - hours) *	RPAQ	✓	
netVolleyBasketBallMin_EpiA	Number of minutes netball/volleyball/basketball (average time per episode - minutes) *	RPAQ	✓	
huntingShootingFish_EpiA	Derived: Weekly frequency of fishing from original entry code for huntingShootingFish *	RPAQ	✓	
huntingShootingFish_EpiA_orig	Original coded frequency of fishing in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
huntingShootingFishHr_EpiA	Number of hours fishing (average time per episode - hours) *	RPAQ	✓	
huntingShootingFishMin_EpiA	Number of minutes fishing (average time per episode - minutes) *	RPAQ	✓	
horseBased_EpiA	Derived: Weekly frequency of horse-riding from original entry code for horseBased *	RPAQ	✓	
horseBased_EpiA_orig	Original coded frequency of horse riding in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
horseBasedHr_EpiA	Number of hours horse-riding (average time per episode - hours) *	RPAQ	✓	
horseBasedMin_EpiA	Number of minutes horse-riding (average time per episode - minutes) *	RPAQ	✓	
snookerBillardsDarts_EpiA	Derived: Weekly frequency of snooker/billards/darts from original entry code for snookerBillardsDarts *	RPAQ	✓	
snookerBillardsDarts_EpiA_orig	Original coded frequency of snooker/billards/darts in the last 4 weeks (Coded 1-7) *	RPAQ	✓	

snookerBillardsDartsHr_EpiA	Number of hours snooker/billards/darts (average time per episode - hours) *	RPAQ	✓	
snookerBillardsDartsMin_EpiA	Number of minutes snooker/billards/darts (average time per episode - minutes) *	RPAQ	✓	
musicalInstrumentSing_EpiA	Derived: Weekly frequency of musical instrument/singing from original entry code for MusicalInstrumentSing *	RPAQ	✓	
musicalInstrumentSing_EpiA_orig	Original coded frequency of musical instrument playing/singing in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
musicalInstrumentSingHr_EpiA	Number of hours musical instrument/singing (average time per episode - hours) *	RPAQ	✓	
musicalInstrumentSingMin_EpiA	Number of minutes musical instrument/singing (average time per episode - minutes) *	RPAQ	✓	
Skiing_EpiA	Derived: Weekly frequency of skiing/snowboarding from original entry code for Skiing *	RPAQ	✓	
Skiing_EpiA_orig	Original coded frequency of skiing/snowboarding in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
SkiingHr_EpiA	Number of hours skiing/snowboarding (average time per episode - hours) *	RPAQ	✓	
SkiingMin_EpiA	Number of minutes skiing/snowboarding (average time per episode - minutes) *	RPAQ	✓	
iceSkating_EpiA	Derived: Weekly frequency of ice/roller skating from original entry code for iceSkating *	RPAQ	✓	
iceSkating_EpiA_orig	Original coded frequency of ice/roller skating in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
iceSkatingHr_EpiA	Number of hours ice/roller skating (average time per episode - hours) *	RPAQ	✓	
iceSkatingMin_EpiA	Number of minutes ice/roller skating (average time per episode - minutes) *	RPAQ	✓	
sailingWindsurfBoat_EpiA	Derived: Weekly frequency of sailing/windsurfing/boating from original entry code for sailingWindsurfBoat *	RPAQ	✓	
sailingWindsurfBoat_EpiA_orig	Original coded frequency of sailing/windsurfing/boating in the last 4 weeks (Coded 1-7) *	RPAQ	✓	

sailingWindsurfBoatHr_EpiA	Number of hours sailing/windsurfing/boating (average time per episode - hours) *	RPAQ	✓	
sailingWindsurfBoatMin_EpiA	Number of minutes sailing/windsurfing/boating (average time per episode - minutes) *	RPAQ	✓	
combatsSports_EpiA	Derived: Weekly frequency of martial arts/boxing/wrestling from original entry code for combatSports *	RPAQ	✓	
combatsSports_EpiA_orig	Original coded frequency of martial arts/boxing/wrestling in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
combatsSportsHr_EpiA	Number of hours martial arts/boxing/wrestling (average time per episode - hours) *	RPAQ	✓	
combatsSportsMin_EpiA	Number of minutes martial arts/boxing/wrestling (average time per episode - minutes) *	RPAQ	✓	
ActiveComputerGames_EpiA	Derived: Weekly frequency of active computer games from original entry code for ActiveComputerGames *	RPAQ	✓	
ActiveComputerGames_EpiA_orig	Original coded frequency of active computer games in the last 4 weeks (Coded 1-7) *	RPAQ	✓	
ActiveComputerGamesHr_EpiA	Number of hours active computer games (average time per episode - hours) *	RPAQ	✓	
ActiveComputerGamesMin_EpiA	Number of minutes active computer games (average time per episode - minutes) *	RPAQ	✓	
OtherSport1Text_EpiA	Text entry of name of other activity 1 *	RPAQ	✓	
OtherSport1_EpiA	Derived: Weekly frequency of Other Activity 1 from original entry code for OtherSport1 *	RPAQ	✓	
OtherSport1Hr_EpiA	Number of hours Other Activity 1 (average time per episode - hours) *	RPAQ	✓	
OtherSport1Min_EpiA	Number of minutes Other Activity 1 (average time per episode - minutes) *	RPAQ	✓	
OtherSport2Text_EpiA	Text entry of name of other activity 2 *	RPAQ	✓	
OtherSport2_EpiA	Derived: Weekly frequency of Other Activity 2 from original entry code for OtherSport2 *	RPAQ	✓	
OtherSport2Hr_EpiA	Number of hours Other Activity 2 (average time per episode - hours) *	RPAQ	✓	
OtherSport2Min_EpiA	Number of minutes Other Activity 2 (average time per episode - minutes) *	RPAQ	✓	



OtherSport3Text_EpiA	Text entry of name of other activity 3 *	RPAQ	✓	
OtherSport3_EpiA	Derived: Weekly frequency of Other Activity 3 from original entry code for OtherSport3 *	RPAQ	✓	
OtherSport3Hr_EpiA	Number of hours Other Activity 3 (average time per episode - hours) *	RPAQ	✓	
OtherSport3Min_EpiA	Number of minutes Other Activity 3 (average time per episode - minutes) *	RPAQ	✓	
OtherSport4Text_EpiA	Text entry of name of other activity 4 *	RPAQ	✓	
OtherSport4_EpiA	Derived: Weekly frequency of Other Activity 4 from original entry code for OtherSport4 *	RPAQ	✓	
OtherSport4Hr_EpiA	Number of hours Other Activity 4 (average time per episode - hours) *	RPAQ	✓	
OtherSport4Min_EpiA	Number of minutes Other Activity 4 (average time per episode - minutes) *	RPAQ	✓	
OtherSport5Text_EpiA	Text entry of name of other activity 5 *	RPAQ	✓	
OtherSport5_EpiA	Derived: Weekly frequency of Other Activity 5 from original entry code for OtherSport5 *	RPAQ	✓	
OtherSport5Hr_EpiA	Number of hours Other Activity 5 (average time per episode - hours) *	RPAQ	✓	
OtherSport5Min_EpiA	Number of minutes Other Activity 5 (average time per episode - minutes) *	RPAQ	✓	

### Physical Activity Energy Expenditure (PAEE)

Variable Name	Variable Description	Source	DNAC	NDNS Y9-12
PAEE_EpiA	Physical activity energy expenditure [kJ/kg/d]	Derived	✓	✓
HOME_PAEE_EpiA	Home domain activity energy expenditure [kJ/kg/d]	Derived	✓	✓
WORK_PAEE_EpiA	Work domain activity energy expenditure [kJ/kg/d]	Derived	✓	✓
LEIS_PAEE_EpiA	Leisure domain activity energy expenditure [kJ/kg/d]	Derived	✓	✓
COMMUTE_PAEE_EpiA	Commute domain activity energy expenditure [kJ/kg/d]	Derived	✓	✓

## FOOD LEVEL DIETARY DATA

### Admin

Variable	Description	Source	DNAC	NDNS Y9-12
ISERIAL <sup>6</sup>	Individual serial number	Recall	✓	
AGEGRP4	(D) Age – 4 groups	Derived	✓	
AGEGRP16	(D) Age – 5-year bands	Derived	✓	
Sex	Sex	Indiv	✓	
SubmissionDate	Date recall was submitted	Recall	✓	
DayofWeek	Day of week	Recall	✓	
RecallCompletionTime	Time to complete recall (minutes)	Recall		
RecallNo	Recall day number (1-4)	Recall	✓	
MealID <sup>7</sup>	Meal ID	Recall	✓	
MealName	Meal name	Recall	✓	
MealTime	Exact meal time	Recall	✓	
FoodSource	Where most of the food in the eating occasion was bought or obtained	Recall	✓	

### Food groups

Variable	Description	Source	DNAC	NDNS Y9-12
FoodNumber	NDNS databank food number	Recall	✓	
FoodDescription	Intake24 food name	Recall	✓	
RecipeMainFoodGroupCode	Main food group code	Recall	✓	
RecipeMainFoodGroupDesc	Main food group description	Recall	✓	
RecipeSubFoodGroupCode	Subsidiary food group code	Recall	✓	
RecipeSubFoodGroupDesc	Subsidiary food group description	Recall	✓	

<sup>6</sup> Variable renamed SERIALI in archived dataset

<sup>7</sup> The order in which the meals were entered. This is assigned consecutively, starting at 1 for the first meal of the day entered.

Nutrients				
Variable	Description	Source	DNAC	NDNS Y9-12
Energykcal	Energy (kcal/portion)	Recall	✓	
EnergykJ	Energy (kJ/portion)	Recall	✓	
Proteing	Protein (g/portion)	Recall	✓	
Fatg	Fat (g/portion)	Recall	✓	
Carbohydrateg	Carbohydrate (g/portion)	Recall	✓	
Sodiummg	Sodium (mg/portion)	Recall	✓	
Potassiummg	Potassium (mg/portion)	Recall	✓	
Calciummg	Calcium (mg/portion)	Recall	✓	
Magnesiummg	Magnesium (mg/portion)	Recall	✓	
Phosphorusmg	Phosphorus (mg/portion)	Recall	✓	
Ironmg	Iron (mg/portion)	Recall	✓	
Haemironmg	Haem Iron (mg/portion)	Recall	✓	
Nonhaemironmg	Non-haem Iron (mg/portion)	Recall	✓	
Coppermg	Copper (mg/portion)	Recall	✓	
Zincmg	Zinc (mg/portion)	Recall	✓	
Chloridemg	Chloride (mg/portion)	Recall	✓	
Retinolµg	Retinol (µg/portion)	Recall	✓	
Totalcaroteneµg	Total carotene (µg/portion)	Recall	✓	
Alphacaroteneµg	Alpha carotene (µg/portion)	Recall	✓	
Betacaroteneµg	Beta carotene (µg/portion)	Recall	✓	
Betacryptoxanthinµg	Beta cryptoxanthin (µg/portion)	Recall	✓	
VitaminAretinolequivalentsµg	Vitamin A retinol equivalents (µg/portion)	Recall	✓	
VitaminDµg	Vitamin D (µg/portion)	Recall	✓	
VitaminEmg	Vitamin E (mg/portion)	Recall	✓	
Thiaminmg	Thiamin (mg/portion)	Recall	✓	
Riboflavinmg	Riboflavin (mg/portion)	Recall	✓	
Niacinequivalentmg	Niacinequivalent (mg/portion)	Recall	✓	
VitaminB6mg	Vitamin B6 (mg/portion)	Recall	✓	
VitaminB12µg	Vitamin B12 (µg/portion)	Recall	✓	
Folateµg	Folate (µg/portion)	Recall	✓	
Pantothenicacidmg	Pantothenic acid (mg/portion)	Recall	✓	
Biotinµg	Biotin (µg/portion)	Recall	✓	
VitaminCmg	Vitamin C (mg/portion)	Recall	✓	

Alcoholg	Alcohol (g/portion)	Recall	✓	
Waterg	Water (g/portion)	Recall	✓	
Totalsugarsg	Total sugars (g/portion)	Recall	✓	
Othersugarsg	Other sugars (g/portion)	Recall	✓	
Starchg	Starch (g/portion)	Recall	✓	
Glucoseg	Glucose (g/portion)	Recall	✓	
Fructoseg	Fructose (g/portion)	Recall	✓	
Sucroseg	Sucrose (g/portion)	Recall	✓	
Maltoseg	Maltose (g/portion)	Recall	✓	
Lactoseg	Lactose (g/portion)	Recall	✓	
FreeSugarsg	Free sugars (g/portion)	Recall	✓	
AOACFibreg	AOAC Fibre (g/portion)	Recall	✓	
Totalnitrogeng	Total nitrogen (g/portion)	Recall	✓	
Manganesemg	Manganese (mg/portion)	Recall	✓	
Iodineµg	Iodine (µg/portion)	Recall	✓	
Seleniumµg	Selenium (µg/portion)	Recall	✓	
Cholesterolmg	Cholesterol (mg/portion)	Recall	✓	
Saturatedfattyacidsg	Saturated fatty acids (g/portion)	Recall	✓	
CisMonounsaturatedfattyacidsg	Cis monounsaturated fatty acids (g/portion)	Recall	✓	
Cisn6fattyacidsg	Cis-n6 fatty acids (g/portion)	Recall	✓	
Cisn3fattyacidsg	Cis-n3 fatty acids (g/portion)	Recall	✓	
Transfattyacidsg	Trans fatty acids (g/portion)	Recall	✓	

Disaggregated foods				
Variable	Description	Source	DNAC	NDNS Y9-12
Fruitg	Fruit (including from composite dishes) (g/portion)	Recall	✓	
DriedFruitg	Dried Fruit (including from composite dishes) (g/portion)	Recall	✓	
FruitJuiceg	Fruit juice (including from composite dishes) (g/portion)	Recall	✓	
SmoothieFruitg	Fruit from smoothies (including from composite dishes) (g/portion)	Recall	✓	
Tomatoesg	Tomatoes (including from composite dishes) (g/portion)	Recall	✓	
TomatoPureeg	Tomato puree (including from composite dishes) (g/portion)	Recall	✓	
Brassicaceag	Brassicaceae (including from composite dishes) (g/portion)	Recall	✓	
YellowRedGreeng	Yellow, red and green vegetables (including from composite dishes) (g/portion)	Recall	✓	
Beansg	Beans (including from composite dishes) (g/portion)	Recall	✓	

Nutsg	Nuts (including from composite dishes) (g/portion)	Recall	✓	
OtherVegg	Other vegetables (including from composite dishes) (g/portion)	Recall	✓	
Beefg	Beef (including from composite dishes) (g/portion)	Recall	✓	
Lambg	Lamb (including from composite dishes) (g/portion)	Recall	✓	
Porkg	Pork (including from composite dishes) (g/portion)	Recall	✓	
ProcessedRedMeatg	Processed red meat (including from composite dishes) (g/portion)	Recall	✓	
OtherRedMeatg	Other red meat (including from composite dishes) (g/portion)	Recall	✓	
Burgersg	Burgers (including from composite dishes) (g/portion)	Recall	✓	
Sausagesg	Sausages (including from composite dishes) (g/portion)	Recall	✓	
Offalg	Offal (including from composite dishes) (g/portion)	Recall	✓	
Poultryg	Poultry (including from composite dishes) (g/portion)	Recall	✓	
ProcessedPoultryg	Processed poultry (including from composite dishes) (g/portion)	Recall	✓	
GameBirdsg	Game birds (including from composite dishes) (g/portion)	Recall	✓	
WhiteFishg	White fish (including from composite dishes) (g/portion)	Recall	✓	
OilyFishg	Oily fish (including from composite dishes) (g/portion)	Recall	✓	
CannedTunag	Canned tuna (including from composite dishes) (g/portion)	Recall	✓	
Shellfishg	Shellfish (including from composite dishes) (g/portion)	Recall	✓	
CottageCheeseg	Cottage cheese (including from composite dishes) (g/portion)	Recall	✓	
CheddarCheeseg	Cheddar cheese (including from composite dishes) (g/portion)	Recall	✓	
OtherCheeseg	Other cheese (including from composite dishes) (g/portion)	Recall	✓	
TotalGrams	Amount/units per portion	Recall	✓	

## DAY LEVEL DIETARY DATA - FOODS

### Admin

Variable	Description	Source	DNAC	NDNS Y9-12
ISERIAL <sup>8</sup>	Individual serial number	Recall	✓	
SubmissionDate	Date recall submitted	Recall	✓	
DayOfWeek	Day of week	Recall	✓	
AGEGRP4	(D) Age – 4 groups	Derived	✓	
AGEGRP16	(D) Age – 5-year bands	Derived	✓	
Sex	Sex	Indiv	✓	

### Food groups (not including disaggregated foods)

Variable	Description	Source	DNAC	NDNS Y9-12
BACONANDHAM	Bacon and ham (g)	Recall	✓	
BEEFVEALANDDISHES	Beef, veal and dishes (g)	Recall	✓	
BEERLAGERCIDERPERRY	Beer, lager, cider and perry (g)	Recall	✓	
BISCUITS	Biscuits (g)	Recall	✓	
BROWNGRANARYANDWHEATGERMBREAD	Brown, granary and wheatgerm bread (g)	Recall	✓	
BUNSCAKESPASTRIESFRUITPIES	Buns, cakes, pastries and fruit pies (g)	Recall	✓	
BURGERSANDKEBABS	Burgers and kebabs (g)	Recall	✓	
BUTTER	Butter (g)	Recall	✓	
CHEESE	Cheese (g)	Recall	✓	
CHICKENANDTURKEYDISHES	Chicken and turkey dishes (g)	Recall	✓	
CHIPSFRIEDROASTPOTATOESANDPOTATO PRODUCTS	Chips, fried and roast potatoes and potato products (g)	Recall	✓	
CHOCOLATECONFECTIONERY	Chocolate confectionery (g)	Recall	✓	
COATEDCHICKEN	Coated chicken and turkey (g)	Recall	✓	

<sup>8</sup> Variable renamed SERIALI in archived dataset

COMMERCIALTODDLERSFOODSANDDRINKS	Commercial toddler foods and drinks (g)	Recall	✓	
CRISPSANDSAVOURYSNACKS	Crisps and savoury snacks (g)	Recall	✓	
EGGSANDEGGDISHES	Eggs and egg dishes (g)	Recall	✓	
FRUIT	Fruit (g)	Recall	✓	
FRUITJUICE	Fruit juice including smoothies (g)	Recall	✓	
HIGHFIBREBREAKFASTCEREALS	High fibre breakfast cereals (g)	Recall	✓	
ICECREAM	Ice cream (g)	Recall	✓	
LAMBANDDISHES	Lamb and dishes (g)	Recall	✓	
LIVERDISHES	Liver and dishes (g)	Recall	✓	
LOWFATSPREAD	Low fat spread (g)	Recall	✓	
MEATPIESANDPASTRIES	Meat pies and pastries (g)	Recall	✓	
NUTSANDSEEDS	Nuts and seeds (g)	Recall	✓	
OILYFISH	Oily fish (g)	Recall	✓	
ONEPERCENTMILK	One percent milk (g)	Recall	✓	
OTHERBREAD	Other bread (g)	Recall	✓	
OTHERBREAKFASTCEREALS	Other breakfast cereals (g)	Recall	✓	
OTHERMARGARINEFATSANDOILS	Other margarine, fats and oils (g)	Recall	✓	
OTHERMEATANDMEATPRODUCTS	Other meat and meat products (g)	Recall	✓	
OTHERMILKANDCREAM	Other milk and cream (g)	Recall	✓	
OTHERPOTATOESPOTATOSALADSDISHES	Other potatoes, potato salads and dishes (g)	Recall	✓	
OTHERWHITEFISHSHELLFISHFISHDISHES	Other white fish, shellfish and fish dishes (g)	Recall	✓	
PASTARICEANDOTHERCEREALS	Pasta, rice and other cereals (g)	Recall	✓	
PORKANDDISHES	Pork and dishes (g)	Recall	✓	
PUDDINGS	Puddings (g)	Recall	✓	
PUFAMARGARINEOILS	PUFA margarine and oils (g)	Recall	✓	
REDUCEDFATSPREAD	Reduced fat spread (g)	Recall	✓	
SALADANDOTHERRAWVEGETABLES	Salad and other raw vegetables (g)	Recall	✓	
SANDWICHES	Sandwiches (g)	Recall	✓	
SAUSAGES	Sausages (g)	Recall	✓	
SEMISKIMMEDMILK	Semi skimmed milk (g)	Recall	✓	

SKIMMEDMILK	Skimmed milk (g)	Recall	✓	
SMOOTHIES100FRUITANDORJUICE	Smoothies 100% fruit and/or juice (g)	Recall	✓	
SOFTDRINKSLOWCALORIE	Soft drinks low calorie (g)	Recall	✓	
SOFTDRINKSNOTLOWCALORIE	Soft drinks not low calorie (g)	Recall	✓	
SPIRITSANDLIQUEURS	Spirits and liqueurs (g)	Recall	✓	
SUGARCONFECTIONERY	Sugar confectionery (g)	Recall	✓	
SUGARSPRESERVESANDSWEETSPREADS	Sugar, preserves and sweet spreads (g)	Recall	✓	
TEACOFFEEANDWATER	Tea, coffee and water (g)	Recall	✓	
VEGETABLESNOTRAW	Vegetables not raw (g)	Recall	✓	
WHITEBREAD	White bread (g)	Recall	✓	
WHITEFISHCOATEDORFRIED	White fish coated or fried (g)	Recall	✓	
WHOLEMEALBREAD	Wholemeal bread (g)	Recall	✓	
WHOLEMILK	Whole milk (g)	Recall	✓	
WINE	Wine (g)	Recall	✓	
YOGURTFROMAGEFRAISANDDAIRYDESSERTS	Yogurt, fromage frais and dairy desserts (g)	Recall	✓	
DRYWEIGHTBEVERAGES	Dry weight beverages (g)	Recall	✓	
CHEDDARCHEESE	Cheddar cheese (g)	Recall	✓	
COTTAGECHEESE	Cottage cheese (g)	Recall	✓	
LOWFATSPREADNOTPOLYUNSATURATED	Low fat spread not polyunsaturated (g)	Recall	✓	
OTHERCHEESE	Other cheese (g)	Recall	✓	
POLYUNSATURATEDLOWFATSPREAD	Polyunsaturated low fat spread (g)	Recall	✓	
REDUCEDFATSPREADNOTPOLYUNSATURATED	Reduced fat spread not polyunsaturated (g)	Recall	✓	
REDUCEDFATSPREADPOLYUNSATURATED	Reduced fat spread polyunsaturated (g)	Recall	✓	
SAVOURYSAUCESPICKLESGRAVIESCONDIMENTS	Sauces, pickles and gravies (g)	Recall	✓	
SOUPHOMEMADEANDRETAIL	Soup homemade and retail (g)	Recall	✓	



Other dietary information				
Variable	Description	Source	DNAC	NDNS Y9-12
SpecialDietDetails	Details of special diet	Recall	✓	
UsualFoodQuantity	Food quantity on this day (Usual, More, Less, Don't know)	Recall	✓	
ReasonUnusualFoodQuantity	Why unusual food quantity	Recall	✓	
Selfisolation	Whether self-isolating or shielding	Recall	✓	

## DAY LEVEL DIETARY DATA - NUTRIENTS

### Admin

Variable	Description	Source	DNAC	NDNS Y9-12
ISERIAL <sup>9</sup>	Individual serial number	Recall	✓	
SubmissionDate	Date recall submitted	Recall	✓	
DayofWeek	Day of week	Recall	✓	
AGEGRP4	(D) Age – 4 groups	Derived	✓	
AGEGRP16	(D) Age – 5-year bands	Derived	✓	
Sex	Sex	Indiv	✓	

### Nutrients (diet only)

Variable	Description	Source	DNAC	NDNS Y9-12
Energykcal	Total energy (kcal) diet only	Recall	✓	
EnergykJ	Total energy (kJ) diet only	Recall	✓	
FoodEkcal	Food energy (kcal) diet only	Derived	✓	
FoodEkJ	Food energy (kJ) diet only	Derived	✓	
Proteing	Protein (g) diet only	Recall	✓	
Fatg	Fat (g) diet only	Recall	✓	
Carbohydrateg	Carbohydrate (g) diet only	Recall	✓	
Sodiummg	Sodium (mg) diet only	Recall	✓	
Potassiummg	Potassium (mg) diet only	Recall	✓	
Calciummg	Calcium (mg) diet only	Recall	✓	
Magnesiummg	Magnesium (mg) diet only	Recall	✓	
Phosphorusmg	Phosphorus (mg) diet only	Recall	✓	
Ironmg	Iron (mg) diet only	Recall	✓	
Haemironmg	Haem iron (mg) diet only	Recall	✓	

<sup>9</sup> Variable renamed SERIALI in archived dataset

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

FreeSugarsg	Free sugars (g) diet only	Recall	✓	
AOACFibreg	AOAC Fibre (g) diet only	Recall	✓	
TotalNitrogeng	Total nitrogen (g) diet only	Recall	✓	
Manganesemg	Manganese (mg) diet only	Recall	✓	
Iodineµg	Iodine (µg) diet only	Recall	✓	
Seleniumµg	Selenium (µg) diet only	Recall	✓	
Saturatedfattyacidsg	Saturated fatty acids (g) diet only	Recall	✓	
CisMonounsaturatedfattyacidsg	Cis-monounsaturated fatty acids (g) diet only	Recall	✓	
Cisn6fattyacidsg	Cis n-6 fatty acids (g) diet only	Recall	✓	
Cisn3fattyacidsg	Cis n-3 fatty acids (g) diet only	Recall	✓	
Transfattyacidsg	Trans fatty acids (g) diet only	Recall	✓	

Disaggregated foods				
Variable	Description	Source	DNAC	NDNS Y9-12
Fruitg	Fruit (incl from composite dishes) (g)	Recall	✓	
DriedFruitg	Dried fruit (incl from composite dishes) (g)	Recall	✓	
FruitJuiceg	Fruit juice (incl from composite dishes) (g)	Recall	✓	
FruitJuiceg100percent	Fruit juice from 100% juice or smoothies derived to calculate 5-a-day portions (g)	Recall	✓	
SmoothieFruitg	Fruit from smoothies (incl from composite dishes) (g)	Recall	✓	
Tomatoesg	Tomatoes (incl from composite dishes) (g)	Recall	✓	
TomatoPureeg	Tomato puree (incl from composite dishes) (g)	Recall	✓	
Brassicaceaeg	Brassicaceae (incl from composite dishes) (g)	Recall	✓	
YellowRedGreeng	Yellow/red/green vegetables (incl from composite dishes) (g)	Recall	✓	
Beansg	Beans (incl from composite dishes) (g)	Recall	✓	
Nutsg	Nuts (incl from composite dishes) (g)	Recall	✓	
OtherVegg	Other vegetables (incl from composite dishes) (g)	Recall	✓	
fruitjuicemax	Fruit juice g (maximum 150g)	Derived	✓	
Driedfruitx3	Dried fruit g x 3	Derived	✓	
Tompureex5	Tomato puree g x 5	Derived	✓	

beansmax	Beans g (maximum 80g)	Derived	✓	
smoothiefruitmax	Fruit from smoothies g (maximum 160g)	Derived	✓	
Beefg	Beef (incl from composite dishes) (g)	Recall	✓	
Lambg	Lamb (incl from composite dishes) (g)	Recall	✓	
Porkg	Pork (incl from composite dishes) (g)	Recall	✓	
ProcessedRedMeatg	Processed red meat (incl from composite dishes) (g)	Recall	✓	
OtherRedMeatg	Other red meat (incl from composite dishes) (g)	Recall	✓	
Burgersg	Burgers (incl from composite dishes) (g)	Recall	✓	
Sausagesg	Sausages (incl from composite dishes) (g)	Recall	✓	
Offalg	Offal (incl from composite dishes) (g)	Recall	✓	
Poultryg	Poultry (incl from composite dishes) (g)	Recall	✓	
ProcessedPoultryg	Processed poultry (incl from composite dishes) (g)	Recall	✓	
GameBirdsg	Game birds (incl from composite dishes) (g)	Recall	✓	
WhiteFishg	White fish (incl from composite dishes) (g)	Recall	✓	
OilyFishg	Oily fish (incl from composite dishes) (g)	Recall	✓	
CannedTunag	Canned tuna (incl from composite dishes) (g)	Recall	✓	
Shellfishg	Shellfish (incl from composite dishes) (g)	Recall	✓	
CottageCheeseg	Cottage cheese (incl from composite dishes) (g)	Recall	✓	
CheddarCheeseg	Cheddar cheese (incl from composite dishes) (g)	Recall	✓	
OtherCheeseg	Other cheese (incl from composite dishes) (g)	Recall	✓	
TotalGrams	Total grams of food consumed	Recall	✓	

## Other dietary information

Variable	Description	Source	DNAC	NDNS Y9-12
SpecialDietDetails	Details of special diet	Recall	✓	
UsualFoodQuantity	Food quantity on this day (Usual, More, Less, Don't know)	Recall	✓	
ReasonUnusualFoodQuantity	Why unusual food quantity	Recall	✓	
Selfisolation	Whether self-isolating or shielding	Recall	✓	

## PERSON LEVEL DIETARY DATA

Admin				
Variable	Description	Source	DNAC	NDNS Y9-12
ISERIAL <sup>10</sup>	Individual serial number	Recall	✓	✓
Ndays	Number of recall days	Recall	✓	
AGEBASE4	(D) Age at baseline – 4 groups	Derived		✓
AGEBASE16	(D) Age at baseline – 5-year bands	Derived		✓
AGEGRP4	(D) Age – 4 groups	Derived	✓	
AGEGRP16	(D) Age – 5-year bands	Derived	✓	
Sex	Sex	Indiv	✓	
Month_now	Month of current diet	Recall		✓
Month_base	Month of baseline diet	Diary		✓
Time_btw_diet	Time (years) between baseline and current diet	Derived		✓

Nutrients (diet only)				
Variable	Description	Source	DNAC	NDNS Y9-12
TotalEMJ	Total energy (MJ) diet only	Recall/Diary	✓	✓
FoodEMJ	Food energy (MJ) diet only	Recall/Diary	✓	✓
EnergykJ	Total energy (kJ) diet only	Recall/Diary	✓	
FoodEkJ	Food energy (kJ) diet only	Derived	✓	✓
Energykcal	Total energy (kcal) diet only	Derived	✓	✓
FoodEkcal	Food energy (kcal) diet only	Derived	✓	✓
Proteing	Protein (g) diet only	Recall/Diary	✓	✓
Fatg	Fat (g) diet only	Recall/Diary	✓	✓
Saturatedfattyacidsg	Saturated fatty acids (g) diet only	Recall/Diary	✓	✓
CisMonounsaturatedfattyacidsg	Cis-Monounsaturated fatty acids (g) diet only	Recall	✓	

<sup>10</sup> Variable renamed SERIALI in archived dataset

Cisn6fattyacidsg	Cis n-6 fatty acids (g) diet only	Recall	✓	
Cisn3fattyacidsg	Cis n-3 fatty acids (g) diet only	Recall	✓	
Transfattyacidsg	Trans fatty acids (g) diet only	Recall	✓	
Carbohydrateg	Carbohydrate (g) diet only	Recall/Diary	✓	✓
Totalsugarsg	Total sugars (g) diet only	Recall	✓	
Othersugarsg	Other sugars (g) diet only	Recall	✓	
Starchg	Starch (g) diet only	Recall	✓	
Glucoseg	Glucose (g) diet only	Recall	✓	
Fructoseg	Fructose (g) diet only	Recall	✓	
Sucroseg	Sucrose (g) diet only	Recall	✓	
Maltoseg	Maltose (g) diet only	Recall	✓	
Lactoseg	Lactose (g) diet only	Recall	✓	
FreeSugarsg	Free sugars (g) diet only	Recall/Diary	✓	✓
AOACFibreg	AOAC Fibre (g) diet only	Recall/Diary	✓	✓
Retinolµg	Retinol (µg) diet only	Recall	✓	
Totalcaroteneµg	Total carotene (µg) diet only	Recall	✓	
Alphacaroteneµg	Alphacarotene (µg) diet only	Recall	✓	
Betacaroteneµg	Betacarotene (µg) diet only	Recall	✓	
Betacryptoxanthinµg	Betacryptoxanthin (µg) diet only	Recall	✓	
VitaminAretinolequivalentsµg	Vitamin A (retinol equivalents) (µg) diet only	Recall	✓	
VitaminDµg	Vitamin D (µg) diet only	Recall/Diary	✓	✓
VitaminEmg	Vitamin E (mg) diet only	Recall	✓	
Thiaminmg	Thiamin (mg) diet only	Recall	✓	
Riboflavinmg	Riboflavin (mg) diet only	Recall	✓	
Niacinequivalentmg	Niacin equivalent (mg) diet only	Recall	✓	
VitaminB6mg	Vitamin B6 (mg) diet only	Recall	✓	
VitaminB12µg	Vitamin B12 (µg) diet only	Recall	✓	
Folateµg	Folate (µg) diet only	Recall/Diary	✓	✓
Pantothenicacidmg	Pantothenic acid (mg) diet only	Recall	✓	
Biotinµg	Biotin (µg) diet only	Recall	✓	

VitaminCmg	Vitamin C (mg) diet only	Recall	✓	
Sodiummg	Sodium (mg) diet only	Recall/Diary	✓	✓
Potassiummg	Potassium (mg) diet only	Recall	✓	
Calciummg	Calcium (mg) diet only	Recall/Diary	✓	✓
Magnesiummg	Magnesium (mg) diet only	Recall	✓	
Phosphorusmg	Phosphorus (mg) diet only	Recall	✓	
Ironmg	Iron (mg) diet only	Recall/Diary	✓	✓
Haemironmg	Haem iron (mg) diet only	Recall	✓	
Nonhaemironmg	Non-haem iron (mg) diet only	Recall	✓	
Coppermg	Copper (mg) diet only	Recall	✓	
Zincmg	Zinc (mg) diet only	Recall	✓	
Chloridemg	Chloride (mg) diet only	Recall	✓	
Totalnitrogeng	Total nitrogen (g) diet only	Recall	✓	
Manganesemg	Manganese (mg) diet only	Recall	✓	
Iodineµg	Iodine (µg) diet only	Recall	✓	
Seleniumµg	Selenium (µg) diet only	Recall	✓	
Alcoholg	Alcohol (g) diet only	Recall/Diary	✓	✓
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	EARthiamin (mg/1000kcal)	COMA	✓	
Thiaminlrni	Thiamin (mg/1000kcal) (LRNI)	COMA	✓	
Riboflavinrni	Riboflavin (mg) (RNI)	COMA	✓	
EARriboflavin	EARriboflavin	COMA	✓	
Riboflavinlrni	Riboflavin (mg) (LRNI)	COMA	✓	
Niacinrni	Niacin (mg) (RNI)	COMA	✓	
Niacinlrni	Niacin (mg NE/1000kcal) (LRNI)	COMA	✓	
VitB6rni	Vit B6 (mg) (RNI)	COMA	✓	



EARvitB6	EARvitB6	COMA	✓	
VitB6lrni	Vit B6 (ug/g protein) (LRNI)	COMA	✓	
VitB12rni	Vit B12 (ug) (RNI)	COMA	✓	
EARvitB12	EARvitB12	COMA	✓	
VitB12lrni	Vit B12 (ug) (LRNI)	COMA	✓	
Folaterni	Folate (ug) (RNI)	COMA	✓	
EARfolate	EARfolate	COMA	✓	
Folatelrni	Folate (ug) (LRNI)	COMA	✓	
VitCrni	Vit C (mg) (RNI)	COMA	✓	
EARvitC	EARvitC	COMA	✓	
VitClrni	Vit C (mg) (LRNI)	COMA	✓	
VitDrni	Vit D (ug) (RNI (Safe intake for 1.5-3yr olds))	COMA	✓	
VitArni	Vit A (ug) (RNI)	COMA	✓	
EARVitA	EARVitA	COMA	✓	
VitAlrni	Vit A (ug) (LRNI)	COMA	✓	
Calciumrni	Ca (mg) (RNI)	COMA	✓	
EARcalcium	EARcalcium	COMA	✓	
Calciumlrni	Ca (mg) (LRNI)	COMA	✓	
Phosphorusrni	P (mg) (RNI)	COMA	✓	
Magnesiumrni	Mg (mg) (RNI)	COMA	✓	
EARmagnesium	EARmagnesium	COMA	✓	
Magnesiumlrni	Mg (mg) (LRNI)	COMA	✓	
Sodiumrni	Na (mg) (RNI)	COMA	✓	
Sodiumlrni	Na (mg) (LRNI)	COMA	✓	
Potassiumrni	K (mg) (RNI)	COMA	✓	
Potassiumlrni	K (mg) (LRNI)	COMA	✓	
Chlorinerni	Cl (mg) (RNI)	COMA	✓	
Ironrni	Fe (mg) (RNI)	COMA	✓	
EARiron	EARiron	COMA	✓	
Ironlrni	Fe (mg) (LRNI)	COMA	✓	

Zincrni	Zn (mg) (RNI)	COMA	✓	
EARzinc	EARzinc	COMA	✓	
Zinclrni	Zn (mg) (LRNI)	COMA	✓	
Copperrni	Cu (mg) (RNI)	COMA	✓	
Seleniumrni	Se (ug) (RNI)	COMA	✓	
Seleniumlrni	Se (ug) (LRNI)	COMA	✓	
Iodinerni	I (ug) (RNI)	COMA	✓	
Iodinelrni	I (ug) (LRNI)	COMA	✓	
Pantothenicsilo	Pantothenic acid (mg) (Safe Intake - Low)	COMA	✓	
Pantothenicsihi	Pantothenic acid (mg) (Safe Intake - High)	COMA	✓	
Biotinsilo	Biotin (ug) (Safe Intake - Low)	COMA	✓	
Biotinsihi	Biotin (ug) (Safe Intake - High)	COMA	✓	
VitEsi	Vit E (mg) (Safe Intake)	COMA	✓	
Manganesesi	Mn (mg) (Safe Intake)	COMA	✓	
ProteinpcfoodE	Protein percent food energy	Derived	✓	
ProteinpctotE	Protein percent total energy	Derived	✓	
FatpcfoodE	Fat percent food energy	Derived	✓	
FatpctotE	Fat percent total energy	Derived	✓	
CHOpfoodE	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	✓	
FreeSugarspcfoodE	Free sugars percent food energy	Derived	✓	
FreeSugarspctotE	Free sugars percent total energy	Derived	✓	
AlcoholpctotE	Alcohol percent total energy	Derived	✓	
Thiaminmgper1000kcal	Thiamin mg/1000 kcal	Derived	✓	
Niacinequivalentmgper1000kcal	Niacin Equivalent mg/1000 kcal	Derived	✓	
VitB6pprot	Vitamin B6 µg/g protein	Derived	✓	
PCRNIVitA	Percent RNI Vitamin A	Derived	✓	
PCRNIThiamin	Percent RNI Thiamin	Derived	✓	
PCRNIRiboflavin	Percent RNI Riboflavin	Derived	✓	
PCRNINiacinequivalent	Percent RNI Niacin equivalent	Derived	✓	
PCRNIVitB6	Percent RNI Vitamin B6	Derived	✓	
PCRNIFolate	Percent RNI Folate	Derived	✓	
PCRNIVitB12	Percent RNI Vitamin B12	Derived	✓	
PCRNIVitC	Percent RNI Vitamin C	Derived	✓	
PCRNIVitD	Percent RNI Vitamin D (Percent Safe intake for 1.5-3yr olds)	Derived	✓	
PCRNIIron	Percent RNI Iron	Derived	✓	
PCRNICalcium	Percent RNI Calcium	Derived	✓	
PCRNIMagnesium	Percent RNI Magnesium	Derived	✓	
PCRNIPotassium	Percent RNI Potassium	Derived	✓	
PCRNIZinc	Percent RNI Zinc	Derived	✓	
PCNICopper	Percent RNI Copper	Derived	✓	
PCRNISelenium	Percent RNI Selenium	Derived	✓	
PCRNIIodine	Percent RNI Iodine	Derived	✓	
bloVitAlrni	Below LRNI Vitamin A	Derived	✓	
bloThiaminlrni	Below LRNI Thiamin	Derived	✓	

bloRiboflavinlrni	Below LRNI Riboflavin	Derived	✓	
bloNiacinequivalentlrni	Below LRNI Niacin equivalent	Derived	✓	
bloFolatelrni	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	✓	

Food groups (including disaggregated foods)				
Variable	Description	Source	DNAC	NDNS 9-12
ONEPERCENTMILK	One percent milk (g)	Recall	✓	
BEEFVEALANDDISHES	Beef, veal and dishes (g)	Recall	✓	
BUTTER	Butter (g)	Recall	✓	
OTHERMARGARINEFATSANDOILS	Other margarine, fats and oils (g)	Recall	✓	
OTHERMILKANDCREAM	Other milk and cream (g)	Recall	✓	
PUFAMARGARINEOILS	PUFA margarine and oils (g)	Recall	✓	
SEMISKIMMEDMILK	Semi skimmed milk (g)	Recall	✓	
WHOLEMILK	Whole milk (g)	Recall	✓	
WHOLEMEALBREAD	Wholemeal bread (g)	Recall	✓	
ICECREAM	Ice cream (g)	Recall	✓	
WHITEFISHCOATEDORFRIED	White fish coated or fried (g)	Recall	✓	
BEERLAGERCIDERPERRY	Beer, lager, cider and perry (g)	Recall	✓	
CRISPSANDSAVOURYSNACKS	Crisps and savoury snacks (g)	Recall/Diary	✓	✓
FRUITJUICE	Fruit juice including smoothies (g)	Recall	✓	

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

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

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

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

## Other dietary information

Variable	Description	Source	DNAC	NDNS Y9-12
InfreqFoodSelectedFish	How many times eaten oily fish in last month	Recall	✓	
InfreqFoodAnyFish	How many times eaten any fish in last month	Recall	✓	
InfreqFoodWhiteMeat	How many times eaten white meat fish in last month	Recall	✓	
InfreqFoodFruitJuice	How many times drank fruit juice in last month	Recall	✓	
InfreqFoodSoftDrinks	How many times drank sugar sweetened soft drinks in last month	Recall	✓	



