

Appendix T: Topics covered in the published report and archived data for Years 5 and 6 of the NDNS RP

Topic area and age group included in reported/archived data ⁱ	Included in current report	Included in archived data
Height measurement (age 2+ years)		•
Weight measurement (all ages)		•
Recent Physical Activity Questionnaire (RPAQ) (age 16+ years)		•
CAPI (Main Food Provider)		
Household information		•
Cooking and storage facilities		•
Shopping for food		•
Food preparation		•
Job and income of Household Reference Person		•
CAPI (Individual participant)		
Access to food at school (aged 1.5-15 years (or aged 16/17 years and in full-time education)		•
Eating out and other provision (all ages)		•
Eating habits (all ages)		•
Food allergies/avoidance		•
General health (all ages)		•
Oral health (age 16+ years)		•
Drinking (age 8+ years; those aged 8-17 years given a self-completion booklet)		•
Smoking (age 8+ years; those aged 8-17 years given a self-completion booklet)		•
Education (age 16+ years)		•
Use of dietary supplements (including whether a participant is a supplement taker for the previous 12 months) (all ages)		•
Sun exposure - (where (latitude) and when holidays were taken)		•
Physical activity (age 4-15 years)		•
Dietary data (1.5 years and over)		

Topic area and age group included in reported/archived data ⁱ	Included in current report	Included in archived data
Intake of all individual foods (and nutrients from each food) by day and eating time		•
Where and with whom data (including whether at table/tv on) for each eating time		•
Daily intake of food groups		•
Disaggregated daily intakes for meat, fish, fruit and vegetables		•
Daily intake of energy and nutrients		•
Mean intake of food groups		•
Per cent contribution of food groups to energy and nutrients ⁱⁱ	•	
Mean intake of energy and macronutrients	•	•
Mean intake of micronutrients from food sources only	•	•
Mean intake of micronutrients from all sources including supplements		•
Mean micronutrient intakes as per cent RNI from food sources only	•	•
Mean micronutrient intakes as per cent RNI from all sources including supplements		•
Per cent below LRNI for micronutrients from food sources only	•	•
Per cent below LRNI for micronutrients from all sources including supplements		•
Disaggregated mean intakes for meat, fish, fruit and vegetables	•	•
Use of dietary supplements (including whether a participant is a supplement taker during the diary period)		•
Spot urine iodine data (4+ years) (Year 6 only)	•	•
Infant length measurements (age 1.5 -2 years)		•
Prescribed medicines (all ages)		•
Mid upper arm circumference (age 2-15 years) (Year 5 only)		•
Blood pressure (age 4+ years)		•
Waist and hip circumference (age 11 + years)		•
Body Mass Index (all ages)		•
Demispan (ages 65+ or no height measurement taken)		•
Blood Sample (1.5-6 years)		
Haemoglobin concentration	•	•
Plasma ferritin	•	•

Topic area and age group included in reported/archived data ⁱ	Included in current report	Included in archived data
Plasma vitamin C		•
Vitamin B ₁₂	•	•
Holotranscobalamin ⁱⁱⁱ	•	•
Erythrocyte transketolase: activation coefficient (ETKAC)		•
Erythrocyte glutathione reductase: activation coefficient (EGRAC)	•	•
Plasma vitamin B ₆ : Pyridoxyl-5-phosphate	•	•
Red cell folate ^{iv}		•
Serum folate ^{iv,v}		•
Plasma retinol		•
Plasma α -carotene		•
Blood Sample (1.5-6 years) continued		•
Plasma β -carotene		•
Plasma α -cryptoxanthin		•
Plasma β -cryptoxanthin		•
Plasma lycopene		•
Plasma lutein and zeaxanthin		•
Plasma 25-hydroxyvitamin D ^{vi,vii}	•	•
Plasma α -tocopherol		•
Serum total cholesterol	•	•
Serum HDL cholesterol	•	•
Serum Non-HDL cholesterol	•	•
Haematocrit		•
Serum high sensitivity C-reactive protein		•
Plasma vitamin B ₆ : Pyridoxic acid		•
Plasma retinyl palmitate		•
Plasma γ -tocopherol		•
Serum triglycerides ^{viii}		•
Red blood cell count		•
Mean cell volume		•
Mean cell haemoglobin		•
Mean cell haemoglobin concentration		•
Blood Sample (1.5-6 years) continued		•
Red cell distribution width		•
Platelet count		•
White cell count		•
Neutrophil count		•

Topic area and age group included in reported/archived data ⁱ	Included in current report	Included in archived data
Lymphocyte count		•
Monocyte count		•
Eosinophil count		•
Basophil count		•
Plasma creatinine		•
Glycosylated haemoglobin (HBA1c) ^{ix}		•
Blood Sample (age 7-15 years)		
Haemoglobin concentration	•	•
Plasma ferritin	•	•
Plasma vitamin C		•
Vitamin B ₁₂	•	•
Holotranscobalamin ⁱⁱⁱ	•	•
Erythrocyte transketolase: activation coefficient (ETKAC)		•
Erythrocyte glutathione reductase: activation coefficient (EGRAC)	•	•
Blood Sample (7-15 years) <i>continued</i>		•
Plasma vitamin B ₆ : Pyridoxyl-5-phosphate	•	•
Red cell folate ^{iv}		•
Serum folate ^{iv,v}		•
Plasma retinol		•
Plasma α -carotene		•
Plasma β -carotene		•
Plasma α -cryptoxanthin		•
Plasma β -cryptoxanthin		•
Plasma lycopene		•
Plasma lutein and zeaxanthin		•
Plasma 25-hydroxyvitamin D ^{vi,vii}	•	•
Plasma α -tocopherol		•
Serum total cholesterol	•	•
Serum HDL cholesterol	•	•
Serum Non-HDL cholesterol	•	•
Plasma selenium		•
Plasma zinc		•
Haematocrit		•
Serum high sensitivity C-reactive protein		•
Plasma transferrin receptors ^x		•

Topic area and age group included in reported/archived data ⁱ	Included in current report	Included in archived data
Blood Sample (7-15 years) <i>continued</i>		•
Plasma vitamin B ₆ : Pyridoxic acid		•
Plasma homocysteine		•
Plasma retinyl palmitate		•
Plasma γ -tocopherol		•
Serum triglycerides		•
Red blood cell count		•
Mean cell volume		•
Mean cell haemoglobin		•
Mean cell haemoglobin concentration		•
Red cell distribution width		•
Platelet count		•
White cell count		•
Neutrophil count		•
Lymphocyte count		•
Monocyte count		•
Eosinophil count		•
Basophil count		•
Plasma creatinine		•
Glycosylated haemoglobin (HBA1c) ^{ix}		•
Glucose ^{ix}		•
Blood Sample (age 16 + years)		
Haemoglobin concentration	•	•
Plasma ferritin	•	•
Plasma vitamin C		•
Vitamin B ₁₂	•	•
Holotranscobalamin ⁱⁱⁱ	•	•
Erythrocyte transketolase: activation coefficient (ETKAC)		•
Erythrocyte glutathione reductase: activation coefficient (EGRAC)	•	•
Plasma vitamin B ₆ : Pyridoxyl-5-phosphate	•	•
Red cell folate ^{iv}		•
Serum folate ^{iv,v}		•
Plasma retinol		•
Plasma α -carotene		•
Plasma β -carotene		•

Topic area and age group included in reported/archived data ⁱ	Included in current report	Included in archived data
Plasma α -cryptoxanthin		•
Plasma β -cryptoxanthin		•
Plasma lycopene		•
Plasma lutein and zeaxanthin		•
Plasma 25-hydroxyvitamin D ^{vi,vii}	•	•
Blood Sample (16 + years) continued		•
Plasma α -tocopherol		•
Serum total cholesterol	•	•
Serum HDL cholesterol	•	•
Serum Non-HDL cholesterol	•	•
Plasma selenium		•
Plasma zinc		•
Haematocrit		•
Serum high sensitivity C-reactive protein		•
Plasma transferrin receptors ^x		•
Plasma vitamin B ₆ : Pyridoxic acid		•
Plasma homocysteine		•
Plasma retinyl palmitate		•
Plasma γ -tocopherol		•
Serum triglycerides		•
Red blood cell count		•
Mean cell volume		•
Mean cell haemoglobin		•
Mean cell haemoglobin concentration		•
Red cell distribution width		•
Platelet count		•
Blood Sample (16 + years) continued		•
White cell count		•
Neutrophil count		•
Lymphocyte count		•
Monocyte count		•
Eosinophil count		•
Basophil count		•
Plasma creatinine		•
Glycosylated haemoglobin (HBA1c) ^{ix}		•
Glucose ^{ix}		•

- ⁱ Doubly Labelled Water (DLW) data are not included in this report nor the archived Years 5 and 6 dataset as the sub-study included participants from Year 7. The data will therefore be reported on and archived at a later date.
- ⁱⁱ The variables for per cent contribution of foods groups to nutrient intake is derived from the raw food file and example syntax to generate these variables has been provided in the derived variable document.
- ⁱⁱⁱ Holotranscobalamin was introduced in Year 6 of the NDNS RP, therefore data in the report and the archived dataset is only available for Year 6 participants.
- ^{iv} Results have been delayed due to problems with the analysis and will be published as soon as they are available.
- ^v In addition to total serum folate data, data for the individual forms of serum folate will be included in the archive dataset.
- ^{vi} The 25-OHD data were obtained using the Diasorin Liaison analyser and have been standardised using the procedures of the Vitamin D Standardisation Program to isotope dilution-LCMS/MS international reference methods:
VDSP - Sempos CT, Vesper HW, Phinney KW, Thienpont LM, Coates PM. Vitamin D status as an international issue: national surveys and the problem of standardization. Scand J Clin Lab Invest Suppl 2012;243:32–40.
ODIN - Vitamin D deficiency in Europe – pandemic? Kevin D Cashman et al AJCN (in press); published ahead of print as 10.3945/ajcn.115.120873.
- ^{vii} 25-OHD data obtained using the Diasorin Liaison analyser as well as standardised data (as detailed in endnote 12) have been provided in the archived dataset.
- ^{viii} This analyte was only measured for participants aged four years and over who provided a fasted blood sample.
- ^{ix} This analyte was funded separately. Results are not included in this report but will be archived.
- ^x Measurement of transferrin receptors stopped at the end of Year 5 of the NDNS RP, therefore data in the archived dataset is only available for Year 5 participants.