

## Appendix Q Topics covered in NDNS report and archived data

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
<b>Interviewer visit</b>			
Height measurement (age 2+ years)	•	•	•
Weight measurement (all ages)	•	•	•
ActiGraph (age 4-15 years <sup>1</sup> )			•
Recent Physical Activity Questionnaire (RPAQ) (age 16+ years) <sup>2</sup>			•
<b>CAPI (Main Food Provider)</b>			
Household information		•	•
Cooking and storage facilities		•	•
Shopping for food		•	•
Food preparation		•	•
Job and income of Household Reference Person		•	•
<b>CAPI (Individual participant)</b>			
Cooking skills (age 7+ years) <sup>3</sup>		•	
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)		•	•

<sup>1</sup> Ages 4-10 only in Year 1.

<sup>2</sup> Included from Year 2.

<sup>3</sup> Questions included in Year 1 only.

<b>Topic area and age group included in reported/archived data</b>	<b>Included in current report</b>	<b>Included in archived data</b>	<b>Intend to report/archive in future</b>
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)	•	•	•
Dietary supplements (all ages)	•	•	•
<b>Dietary data (1.5 years and over)</b>			
Daily intake of all individual foods and nutrients from each of the individual foods by day and eating occasion		•	•
Where and with whom data (including whether at table/tv on) for each eating occasion		•	•
Daily intake of food groups		•	•
Disaggregated daily intakes for meat, fish, fruit and vegetables		•	•
Per cent contribution of food groups to energy and nutrients	•		•
Daily intake of energy and nutrients		•	•
Mean intake of food groups	•	•	•
Disaggregated mean intakes for meat, fish, fruit and vegetables	•	•	•

<b>Topic area and age group included in reported/archived data</b>	<b>Included in current report</b>	<b>Included in archived data</b>	<b>Intend to report/archive in future</b>
Mean intake of energy and nutrients from food sources only	•	•	•
Mean intake of micronutrients from all sources including supplements	•	•	•
Mean micronutrient intakes as per cent RNI	•	•	•
Per cent below LRNI for micronutrients	•	•	•
Use of dietary supplements	•	•	•
<b>Energy expenditure data (doubly labelled water) (sub-sample of participants age 4+ years)</b>			•
<b><u>Nurse visit</u></b>			
Infant length measurements (age 1.5 – 2 years)	•	•	•
Prescribed medicines (all ages)			•
Mid upper arm circumference (age 2-15 years)		•	•
Blood pressure (age 4+ years)	•	•	•
Waist and hip circumference (age 11 + years)	•	•	•
Body Mass Index (all ages)	•	•	•
Demi-span (ages 65+ or no height measurement taken)	•	•	•
<b>24 hour Urine (age 4+ years)</b>			
Creatinine			•
Nitrogen			•
PABA			•

<b>Topic area and age group included in reported/archived data</b>	<b>Included in current report</b>	<b>Included in archived data</b>	<b>Intend to report/archive in future</b>
Potassium			•
Sodium			•
Urea			•
<b>Blood Sample (1.5-10 years)</b>			
Haemoglobin concentration			•
Red blood cell count			•
Haematocrit			•
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			•
Red cell folate <sup>4</sup>			•

<b>Topic area and age group included in reported/archived data</b>	<b>Included in current report</b>	<b>Included in archived data</b>	<b>Intend to report/archive in future</b>
<b>Blood Sample (1.5-10 years) <i>continued</i></b>			
Glycosylated haemoglobin (HBA1c) <sup>5</sup>			
Plasma ferritin			•
Plasma 25-hydroxyvitamin D			•
Plasma creatinine			•
Plasma vitamin C			•
Plasma retinol			•
Plasma retinyl palmitate			•
Plasma $\alpha$ -tocopherol			•
Plasma $\gamma$ -tocopherol			•
Plasma $\alpha$ -cryptoxanthin			•
Plasma $\beta$ -cryptoxanthin			•
Plasma lycopene			•
Plasma lutein and zeaxanthin			•
Plasma $\alpha$ -carotene			•
Plasma $\beta$ -carotene			•
Plasma homocysteine <sup>6</sup>			•

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
<b>Blood Sample (1.5-10 years) <i>continued</i></b>			
Erythrocyte glutathione reductase: activation coefficient			•
Erythrocyte transketolase: activation coefficient			•
Plasma vitamin B <sub>6</sub> : Pyridoxyl-5-phosphate			•
Plasma vitamin B <sub>6</sub> : Pyridoxic acid			•
Plasma transferrin receptors <sup>6</sup>			•
Serum total cholesterol			•
Serum HDL cholesterol			•
Serum Non-HDL cholesterol			•
Serum triglycerides			•
Serum high sensitivity C-reactive protein			•
Serum folate <sup>4</sup>			•
Vitamin B <sub>12</sub>			•
Plasma selenium <sup>6</sup>			•
Plasma zinc <sup>6</sup>			•
Glucose <sup>5,6</sup>			

<b>Topic area and age group included in reported/archived data</b>	<b>Included in current report</b>	<b>Included in archived data</b>	<b>Intend to report/archive in future</b>
<b>Blood Sample (age 11-18 years)</b>			
Haemoglobin concentration	•	•	•
Red blood cell count		•	•
Haematocrit	•	•	•
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		•	•
Red cell folate <sup>4</sup>			•
Glycosylated haemoglobin (HBA1c) <sup>5</sup>			
Plasma ferritin	•	•	•
Plasma 25-hydroxyvitamin D	•	•	•

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
<b>Blood Sample (age 11-18 years) <i>continued</i></b>			
Plasma creatinine		•	•
Plasma vitamin C	•	•	•
Plasma retinol	•	•	•
Plasma retinyl palmitate		•	•
Plasma $\alpha$ -tocopherol	•	•	•
Plasma $\gamma$ -tocopherol		•	•
Plasma $\alpha$ -cryptoxanthin	•	•	•
Plasma $\beta$ -cryptoxanthin	•	•	•
Plasma lycopene	•	•	•
Plasma lutein and zeaxanthin	•	•	•
Plasma $\alpha$ -carotene	•	•	•
Plasma $\beta$ -carotene	•	•	•
Plasma homocysteine	•	•	•
Erythrocyte glutathione reductase: activation coefficient	•	•	•
Erythrocyte transketolase: activation coefficient	•	•	•
Plasma vitamin B6: Pyridoxyl-5-phosphate	•	•	•
Plasma vitamin B6: Pyridoxic acid		•	•



<b>Topic area and age group included in reported/archived data</b>	<b>Included in current report</b>	<b>Included in archived data</b>	<b>Intend to report/archive in future</b>
<b>Blood Sample (age 11-18 years) <i>continued</i></b>			
Plasma transferrin receptors		•	•
Serum total cholesterol	•	•	•
Serum HDL cholesterol	•	•	•
Serum Non-HDL cholesterol	•	•	•
Serum triglycerides		•	•
Serum high sensitivity C-reactive protein	•	•	•
Serum folate <sup>4</sup>			•
Vitamin B <sub>12</sub>	•	•	•
Plasma selenium	•	•	•
Plasma zinc	•	•	•
Glucose <sup>5</sup>			
<b>Blood Sample (age 19-64 years)</b>			
Haemoglobin concentration	•	•	•
Red blood cell count		•	•
Haematocrit	•	•	•
Mean cell volume		•	•
Mean cell haemoglobin		•	•
Mean cell haemoglobin concentration		•	•

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
<b>Blood Sample (age 19-64 years) <i>continued</i></b>			
Red cell distribution width		•	•
Platelet count		•	•
White cell count		•	•
Neutrophil count		•	•
Lymphocyte count		•	•
Monocyte count		•	•
Eosinophil count		•	•
Basophil count		•	•
Red cell folate <sup>4</sup>			•
Glycosylated haemoglobin (HBA1c) <sup>5</sup>			
Plasma ferritin	•	•	•
Plasma 25-hydroxyvitamin D	•	•	•
Plasma creatinine		•	•
Plasma vitamin C	•	•	•
Plasma retinol	•	•	•
Plasma retinyl palmitate		•	•
Plasma $\alpha$ -tocopherol	•	•	•
Plasma $\gamma$ -tocopherol		•	•

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
<b>Blood Sample (age 19-64 years) <i>continued</i></b>			
Plasma $\alpha$ -cryptoxanthin	•	•	•
Plasma $\beta$ -cryptoxanthin	•	•	•
Plasma lycopene	•	•	•
Plasma lutein and zeaxanthin	•	•	•
Plasma $\alpha$ -carotene	•	•	•
Plasma $\beta$ -carotene	•	•	•
Plasma homocysteine	•	•	•
Erythrocyte glutathione reductase: activation coefficient	•	•	•
Erythrocyte transketolase: activation coefficient	•	•	•
Plasma vitamin B6: Pyridoxyl-5-phosphate	•	•	•
Plasma vitamin B6: Pyridoxic acid		•	•
Plasma transferrin receptors		•	•
Serum total cholesterol	•	•	•
Serum HDL cholesterol	•	•	•
Serum Non-HDL cholesterol	•	•	•
Serum triglycerides		•	•
Serum high sensitivity C-reactive protein	•	•	•

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
<b>Blood Sample (age 19-64 years) <i>continued</i></b>			
Free T <sub>3</sub> <sup>7</sup>			
Free T <sub>4</sub> <sup>7</sup>			
Thyroid stimulating hormone <sup>7</sup>			
Serum folate <sup>4</sup>			•
Vitamin B <sub>12</sub>	•	•	•
Plasma selenium	•	•	•
Plasma zinc	•	•	•
Glucose <sup>5</sup>			
<b>Blood Sample (age 65+ years)</b>			
Haemoglobin concentration			•
Red blood cell count			•
Haematocrit			•
Mean cell volume			•
Mean cell haemoglobin			•
Mean cell haemoglobin concentration			•
Red cell distribution width			•
Platelet count			•
White cell count			•

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
<b>Blood Sample (age 65+ years) <i>continued</i></b>			
Neutrophil count			•
Lymphocyte count			•
Monocyte count			•
Eosinophil count			•
Basophil count			•
Red cell folate <sup>4</sup>			•
Glycosylated haemoglobin (HBA1c) <sup>5</sup>			
Plasma ferritin			•
Plasma 25-hydroxyvitamin D			•
Plasma creatinine			•
Plasma vitamin C			•
Plasma retinol			•
Plasma retinyl palmitate			•
Plasma $\alpha$ -tocopherol			•
Plasma $\gamma$ -tocopherol			•
Plasma $\alpha$ -cryptoxanthin			•
Plasma $\beta$ -cryptoxanthin			•
Plasma lycopene			•

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
<b>Blood Sample (age 65+ years) <i>continued</i></b>			
Plasma lutein and zeaxanthin			•
Plasma $\alpha$ -carotene			•
Plasma $\beta$ -carotene			•
Plasma homocysteine			•
Erythrocyte glutathione reductase: activation coefficient			•
Erythrocyte transketolase: activation coefficient			•
Plasma vitamin B6: Pyridoxyl-5-phosphate			•
Plasma vitamin B6: Pyridoxic acid			•
Plasma transferrin receptors			•
Serum total cholesterol			•
Serum HDL cholesterol			•
Serum Non-HDL cholesterol			•
Serum triglycerides			•
Serum high sensitivity C-reactive protein			•
Serum folate <sup>4</sup>			•
Vitamin B <sub>12</sub>			•
Plasma selenium			•
Plasma zinc			•

Topic area and age group included in reported/archived data	Included in current report	Included in archived data	Intend to report/archive in future
Glucose <sup>5</sup>			

<sup>4</sup> An aliquot has been stored for future analysis of folate.

<sup>5</sup> This analyte was funded by Diabetes UK and will not be reported or archived.

<sup>6</sup> This analyte was only measured for participants aged seven years and over.

<sup>7</sup> This analyte was funded externally and will not be reported or archived.