**Supplementary Table 1.** Foods/drinks and groups of foods/drinks enquired about, by age, wave and cohort\*†

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age** | **2-3y** | **4-5y** | | **6-7y** | | **8-9y** | | **10-11y** | | **12-13y** | **14-15y** |
| **Wave and cohort** | **2B** | **3B** | **1K** | **4B** | **2K** | **5B** | **3K** | **6B** | **4K** | **5K** | **6K** |
| Fresh fruit | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Fruit juice | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Fresh juice |  |  |  |  |  |  |  |  |  |  |  |
| Cooked vegetables | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Raw vegetables or salad | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Meat pie, hamburger, hot dog, sausage or sausage roll | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Hot chips or French fries | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Potato chips or savoury snacks, such as ‘Twisties’ | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Biscuits, doughnuts, cake, pie or chocolate | ● | ● | ● |  | ● |  | ● |  |  |  |  |
| Biscuits, doughnuts, cake or chocolate |  |  |  | ● |  | ● |  |  |  |  |  |
| Full cream milk or full cream milk products | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Milk or milk products (e.g. yoghurt or cheese) |  |  |  |  |  |  |  |  |  |  |  |
| Skim, reduced or no fat milk or milk products | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Soy milk or soy milk products |  |  |  |  |  |  |  |  |  |  |  |
| Water | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Non-diet soft drink or cordial | ● | ● | ● | ● | ● | ● | ● |  |  |  |  |
| Diet or sugar-free soft drink or cordial | ● | ● |  | ● | ● | ● | ● |  |  |  |  |
| Bread or toast |  |  |  |  |  |  |  |  |  |  |  |
| Energy drinks (e.g. Redbull, Mother or V) |  |  |  |  |  |  |  |  |  |  |  |
| Coffee |  |  |  |  |  |  |  |  |  |  |  |

y, years; 2B, wave two of the Baby Cohort; 3B, wave three of the Baby Cohort; 1K, wave one of the Kindergarten Cohort; 4B, wave four of the Baby Cohort; 2K, wave two of the Kindergarten Cohort; 5B, wave five of the Baby Cohort; 3K, wave three of the Kindergarten Cohort; 6B, wave six of the Baby Cohort; 4K, wave four of the Kindergarten Cohort; 5K, wave five of the Kindergarten Cohort; 6K, wave six of the Kindergarten Cohort.

\*Dots denote the waves in which each food or drink item or group was enquired about. Solid dots (●) denote items reported by parents for the last 24 hours and hollow dots () denote items reported by children for the previous day (‘yesterday’).

†Response options for all items were ‘not at all’, ‘once’ and ‘more than once’ for wave one of the K Cohort, wave two of the B Cohort and wave two of the K Cohort; and ‘not at all’, once’, ‘twice’ and either ‘more than twice’ or ‘three or more times’ for all other waves of both cohorts. For questions with more than three response options, the upper category was collapsed into ‘twice or more’ for the purposes of the statistical analyses, in order to keep all categories consistent between waves.

**Supplementary Table 2.** Factor loadings for items from the factor analyses of all waves separately, by wave and cohort\*†

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Food/drink item** | **‘Healthy pattern’** | | | | | | | | | | | | **‘Unhealthy pattern’** | | | | | | | | | | | | **‘Dairy pattern’** | | | | | | |
| **2-3y** | **4-5y** | | **6-7y** | | **8-9y** | | **10-11y** | | **12-13y** | **14-15y** |  | **2-3y** | **4-5y** | | **6-7y** | | **8-9y** | | **10-11y** | | **12-13y** | **14-15y** |  | **2-3y** | **4-5y** | | **6-7y** | | **8-9y** | |
| **2B** | **3B** | **1K** | **4B** | **2K** | **5B** | **3K** | **6B** | **4K** | **5K** | **6K** |  | **2B** | **3B** | **1K** | **4B** | **2K** | **5B** | **3K** | **6B** | **4K** | **5K** | **6K** |  | **2B** | **3B** | **1K** | **4B** | **2K** | **5B** | **3K** |
| **Fresh fruit** | **0.55** | **0.56** | **0.60** | **0.56** | **0.54** | **0.59** | **0.54** | **0.66** | **0.64** | **0.60** | **0.62** | | -0.16 | -0.18 | -0.09 | -0.21 | -0.19 | -0.16 | -0.18 | -0.03 | 0.00 | -0.06 | -0.11 | | -0.06 | -0.05 | 0.03 | -0.03 | -0.02 | -0.03 | 0.02 |
| **Juice** | 0.03 | 0.04 | 0.09 | 0.06 | 0.12 | 0.07 | 0.05 | 0.14 | 0.25 | 0.16 | 0.17 | | 0.29 | **0.30** | 0.18 | **0.33** | 0.23 | **0.38** | 0.27 | **0.43** | **0.40** | **0.35** | **0.34** | | 0.05 | 0.12 | 0.07 | 0.07 | 0.04 | 0.11 | -0.04 |
| **Cooked vegetables** | **0.41** | **0.40** | **0.38** | **0.37** | **0.42** | **0.34** | **0.36** | **0.40** | **0.48** | **0.47** | **0.51** | | -0.06 | -0.08 | -0.08 | -0.10 | -0.12 | -0.05 | -0.10 | 0.09 | 0.10 | 0.01 | -0.02 | | -0.02 | 0.03 | 0.02 | 0.05 | 0.05 | 0.00 | -0.05 |
| **Raw vegetables** | **0.49** | **0.45** | **0.47** | **0.44** | **0.49** | **0.47** | **0.41** | **0.57** | **0.54** | **0.55** | **0.57** | | -0.04 | -0.08 | -0.05 | -0.10 | -0.07 | -0.06 | -0.09 | 0.11 | 0.17 | 0.02 | -0.01 | | -0.02 | -0.02 | -0.02 | -0.04 | -0.05 | -0.02 | 0.08 |
| **Meat pie etc.** | -0.03 | -0.17 | 0.00 | -0.17 | -0.10 | -0.10 | -0.17 | 0.13 | 0.07 | 0.04 | -0.00 | | **0.37** | **0.33** | **0.36** | **0.33** | **0.32** | **0.34** | 0.29 | **0.58** | **0.65** | **0.56** | **0.60** | | 0.01 | 0.07 | 0.01 | 0.02 | 0.08 | 0.02 | 0.00 |
| **Hot chips** | -0.05 | -0.21 | -0.06 | -0.22 | -0.17 | -0.11 | -0.22 | 0.04 | 0.05 | -0.01 | -0.02 | | **0.39** | 0.28 | **0.41** | **0.39** | **0.36** | **0.44** | 0.26 | **0.67** | **0.72** | **0.61** | **0.58** | | -0.00 | 0.08 | -0.00 | 0.04 | -0.00 | -0.00 | -0.00 |
| **Savoury snacks** | -0.08 | -0.02 | -0.06 | -0.01 | -0.02 | 0.00 | 0.02 | 0.06 | 0.13 | 0.03 | 0.03 | | **0.39** | **0.40** | **0.38** | **0.38** | **0.37** | **0.35** | **0.40** | **0.52** | **0.55** | **0.48** | **0.47** | | 0.06 | 0.06 | 0.01 | 0.07 | 0.07 | 0.07 | -0.11 |
| **Sugary foods** | -0.03 | 0.05 | 0.07 | 0.15 | 0.11 | 0.06 | 0.11 | 0.09 | 0.12 | 0.10 | 0.11 | | 0.09 | 0.07 | 0.09 | 0.11 | 0.07 | 0.03 | 0.13 | **0.38** | **0.41** | **0.31** | 0.25 | | 0.08 | 0.05 | 0.07 | -0.00 | 0.03 | 0.06 | -0.02 |
| **Full cream milk products** | 0.07 | 0.14 | 0.12 | 0.10 | 0.09 | 0.10 | 0.08 | **0.42** | **0.42** |  | 0.24 | | -0.07 | -0.02 | -0.01 | 0.00 | -0.03 | -0.02 | 0.01 | 0.19 | 0.14 |  | 0.19 | | **0.67** | **0.72** | **0.67** | **0.74** | **0.77** | **0.73** | **-0.77** |
| **Milk products** |  |  |  |  |  |  |  |  |  | **0.44** |  | |  |  |  |  |  |  |  |  |  | 0.07 |  | |  |  |  |  |  |  |  |
| **Low-fat milk products** | 0.11 | 0.14 | 0.09 | 0.12 | 0.09 | 0.13 | 0.09 | **0.34** |  |  | 0.27 | | -0.10 | -0.07 | -0.03 | -0.06 | -0.08 | -0.07 | -0.03 | 0.16 |  |  | 0.12 | | **-0.69** | **-0.76** | **-0.66** | **-0.77** | **-0.78** | **-0.74** | **0.79** |
| **Soy milk products** |  |  |  |  |  |  |  |  | 0.25 | 0.28 |  | |  |  |  |  |  |  |  |  | **0.38** | **0.31** |  | |  |  |  |  |  |  |  |
| **Water** | **0.32** | 0.20 | **0.37** | 0.28 | **0.32** | **0.31** | 0.25 | **0.52** | **0.52** | **0.51** | **0.43** | | **-0.42** | **-0.50** | -0.24 | **-0.50** | **-0.41** | **-0.46** | **-0.46** | -0.17 | -0.10 | -0.15 | -0.18 | | 0.01 | 0.02 | 0.08 | -0.05 | -0.03 | -0.06 | 0.01 |
| **Sweetened drinks** | -0.15 | -0.20 | -0.19 | -0.15 | -0.16 | -0.20 | -0.17 | -0.18 | -0.07 | -0.14 | -0.20 | | **0.54** | **0.51** | **0.53** | **0.54** | **0.58** | **0.51** | **0.55** | **0.69** | **0.65** | **0.61** | **0.63** | | 0.06 | 0.19 | 0.04 | 0.10 | 0.07 | 0.13 | -0.08 |
| **Diet drinks** | -0.04 | 0.00 |  | -0.11 | -0.04 | -0.08 | 0.01 | 0.02 |  |  | 0.05 | | 0.26 | **0.37** |  | **0.30** | 0.26 | **0.38** | 0.27 | **0.69** |  |  | **0.57** | | -0.14 | -0.22 |  | -0.15 | -0.14 | -0.23 | 0.16 |
| **Bread/toast** |  |  |  |  |  |  |  | **0.34** | **0.39** | **0.39** | **0.35** | |  |  |  |  |  |  |  | 0.27 | 0.26 | 0.20 | 0.17 | |  |  |  |  |  |  |  |
| **Energy drinks** |  |  |  |  |  |  |  | 0.09 |  |  | -0.03 | |  |  |  |  |  |  |  | **0.71** |  |  | **0.73** | |  |  |  |  |  |  |  |
| **Coffee** |  |  |  |  |  |  |  | 0.11 |  |  | 0.07 | |  |  |  |  |  |  |  | **0.56** |  |  | **0.38** | |  |  |  |  |  |  |  |

y, years; 2B, wave two of the Baby Cohort; 3B, wave three of the Baby Cohort; 1K, wave one of the Kindergarten Cohort; 4B, wave four of the Baby Cohort; 2K, wave two of the Kindergarten Cohort; 5B, wave five of the Baby Cohort; 3K, wave three of the Kindergarten Cohort; 6B, wave six of the Baby Cohort; 4K, wave four of the Kindergarten Cohort; 5K, wave five of the Kindergarten Cohort; 6K, wave six of the Kindergarten Cohort.

\**n* ranged from 3344 to 4850.

†Food/drink items with loadings ≤-0.3 and ≥0.3 are shown in bold.