**Supplementary Files**

**Supplementary Table S1: Energy and select nutrients from discretionary choices of 5- to 12-year-old children during school hours and total day using the NNPAS 2011-12 (N=795)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Discretionary in school hours | | Mean % contribution of discretionary to total school intake | Discretionary across Total Day | |
|  | **Median** | **IQR** | **%** | **Median** | **IQR** |
| Quantity (g) | 83 | 37, 206 | 22.5 | 337 | 165, 592 |
| Energy (kJ) | 1033 | 491, 1920 | 43.8 | 2729 | 1603, 4079 |
| Energy (kcal) | 247 | 117, 459 | 653 | 384, 976 |
| Protein (g) | 4.4 | 1.9, 9.7 | 33.9 | 12.1 | 6.0, 22.5 |
| Carbohydrate (g) | 28.5 | 13.8, 58.0 | 40.8 | 83.7 | 47.9, 129.0 |
| Total fat (g) | 10.6 | 4.6, 20.4 | 55.9 | 27.0 | 14.7, 44.2 |
| Saturated fat (g) | 4.2 | 1.7, 9.1 | 58.9 | 11.7 | 6.3, 19.3 |
| Added sugars (g) | 10.3 | 3.6, 25.0 | 85.5 | 37.7 | 17.8, 66.0 |
| Fibre (g) | 1.3 | 0.5, 2.9 | 26.9 | 3.5 | 1.5, 5.6 |
| Calcium (mg) | 29.4 | 9.0, 78.2 | 28.2 | 112.9 | 49.3, 212.5 |
| Sodium (mg) | 307 | 133, 648 | 43.9 | 696 | 353, 1271 |
| Vitamin C (mg) | 1.2 | 0, 6.1 | 29.7 | 6.8 | 1.0, 17.9 |
| Iron (mg) | 0.8 | 0.3, 1.6 | 37.8 | 2.2 | 1.1, 3.7 |

**Supplementary Table S2: Associations of individual and family characteristics of Australian 5- to 12-year-old children from the NNPAS 2011-12 with the percentage of energy from discretionary foods during school hours (n=627) \***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1 | | | | Model 2 | | | |
| Variable | **B** | **SE B** | **Standardized b** | **p** | **B** | **SE B** | **Standardized b** | **p** |
| Child age | 1.4 | 0.5 | 0.126 | 0.002 | 1.4 | 0.5 | 0.126 | .003 |
| Child weight status vs. healthy weight | | | | | | | | |
| Underweight | 0.2 | 4.4 | 0.002 | 0.967 | 0.1 | 4.5 | 0.001 | 0.979 |
| Overweight | -2.3 | 2.8 | -0.034 | 0.416 | -2.3 | 2.8 | -0.034 | 0.418 |
| Obesity | -1.1 | 4.2 | -0.011 | 0.792 | -1.3 | 4.2 | -0.013 | 0.758 |
| SEIFA† | -0.4 | 0.7 | -0.023 | 0.581 | -0.4 | 0.7 | -0.024 | 0.571 |
| Equivalised income of household | -0.1 | 0.0 | -0.060 | 0.147 | -0.1 | 0.0 | -0.060 | 0.148 |

|  |
| --- |
| Model 1: Child Age, Child Weight Status, SEIFA, Household Income. F=(6,587) =1.982, p=0.066  Model 2: Child Age, Child Weight Status, SEIFA, Household Income, adjusting for child sex and number of days physical activity recommendations were met . F=(8,585) = 1.539, p=0.140 |

\* Multivariate Linear Regression

† Socio-economic index For Areas - Index of Relative Socio-Economic Disadvantage - 2011 - SA1 – Quintiles

**Supplementary Table S3: Characteristics of the sample of 5- to 12-year-old children from the NNPAS 2011-12 reporting dietary intake on a conservative school day (N=560)**

|  |  |  |
| --- | --- | --- |
| Characteristic | N or mean | % or SD |
| Sex |  |  |
| Male | 286 | 51.1 |
| Female | 274 | 48.9 |
| Child Age (years), mean and SD | 8.5 | 2.3 |
| SEIFA Index a, n and % |  |  |
| Quintile 1 (lowest) | 105 | 18.8 |
| Quintile 2 | 104 | 18.6 |
| Quintile 3 | 102 | 18.2 |
| Quintile 4 | 109 | 19.5 |
| Quintile 5 (highest) | 140 | 25.0 |
| Equivalised income of household † |  |  |
| Decile 1 (lowest) | 66 | 11.8 |
| Decile 2 | 27 | 4.8 |
| Decile 3 | 53 | 9.5 |
| Decile 4 | 48 | 8.6 |
| Decile 5 | 57 | 10.2 |
| Decile 6 | 61 | 10.9 |
| Decile 7 | 63 | 11.3 |
| Decile 8 | 53 | 9.5 |
| Decile 9 | 35 | 6.3 |
| Decile 10 (highest) | 35 | 6.3 |
| Weight status‡ |  |  |
| Underweight | 26 | 5.9 |
| Healthy Weight | 313 | 71.3 |
| Overweight | 70 | 15.9 |
| Obesity | 30 | 6.8 |
| Physical Activity § |  |  |
| None | 23 | 4.1 |
| 1-2 days | 77 | 13.8 |
| 3-5 days | 189 | 33.7 |
| 6-7 days | 271 | 48.4 |

\* Measured by the Socio-economic Indexes for Areas including the Index of Relative Socio-Economic Disadvantage, Quintiles  
† Equivalised by household size

‡ Missing weight data n = 121. Weight status determined through age- and sex-specific BMI cut-off points.

**§** Number of days each child physical activity for at least 60 mins in 7 days prior to interview

**Supplementary Table S4: Energy and nutrient intake of Australian 5- to 12-year-old children of the conservative school dates sample during school hours and across the total day using the NNPAS 2011-12 (N=560)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | In School hours | | | Total Day | |
|  | **Median** | **IQR** | **Mean % contribution to the total day** | **Median** | **IQR** |
| Weight of Food | 676 | 415, 1122 | 36.0 | 2238 | 1775, 2819 |
| Energy (kJ) | 2472 | 1884, 3308 | 34.7 | 7648 | 6170, 9223 |
| Energy (kcal) | 591 | 450, 791 | 1828 | 1475, 2204 |
| Protein (g) | 17.8 | 12.1, 24.6 | 29.1 | 68.9 | 53.2, 86.8 |
| Carbohydrate (g) | 80.2 | 58.9, 107.7 | 37.2 | 232.8 | 185.8, 286.8 |
| Total fat (g) | 18.7 | 11.9, 29.8 | 33.4 | 63.5 | 47.6, 83.4 |
| Saturated fat (g) | 7.6 | 4.1, 12.2 | 33.0 | 26.1 | 18.3, 34.9 |
| Added sugars (g) | 10.8 | 4.2, 23.6 | 35.0 | 43.5 | 23.5, 73.3 |
| Fibre (g) | 7.7 | 5.2, 10.3 | 39.2 | 20.3 | 15.0, 26.0 |
| Calcium (mg) | 184.2 | 92.1, 319.2 | 30.1 | 757.1 | 502.8, 1080.6 |
| Sodium (mg) | 809 | 571, 1116 | 41.2 | 2189 | 1565, 2865 |
| Vitamin C (mg) | 14.3 | 65.2, 1774.7 | 37.2 | 64.4 | 33.6, 120.0 |
| Iron (mg) | 2.4 | 1.8, 3.3 | 29.7 | 9.3 | 7.1, 12.1 |