Supplemental Table S1 The quality of Canadian children’s diet during school hours by cycle year, as measured by the school-HEI for Canadian children aged 6-17 years (only plausible energy reporters\*)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Maximum points | CCHS Cycle |  |  |
|  |  | 2004(*n*=2323) | 2015(*n*=1365) |  |  |
|  |  | Mean  | Mean  | β (95% CI)† | P-value |
| *Adequacy component* (higher score indicates higher consumption) |
| Total vegetable and fruit | 10 | 4.7  | 6.0  | 1.3 (0.9, 1.7) | <0.001 |
| Whole fruit | 5 | 1.6  | 2.6  | 1.0 (0.7, 1.2) | <0.001 |
| Dark green or orange vegetable | 5 | 0.5  | 1.1  | 0.6 (0.3, 0.7) | <0.001 |
| Grain products | 5 | 3.5  | 3.7  | 0.2 (0.0, 0.4) | 0.015 |
| Whole grains | 5 | 0.9  | 0.4  | -0.5 (-0.7, -0.3) | <0.001 |
| Milk & alternatives | 10 | 3.8  | 4.6  | 0.8 (0.4, 1.3) | <0.001 |
| Meat & alternatives | 10 | 4.4  | 4.9  | 0.5 (0.0, 0.9) | 0.033 |
| Unsaturated fats | 10 | 8.5  | 8.5  | 0.1 (-0.2, 0.3) | 0.606 |
| *Moderation component* (higher score indicates lower consumption) |
| Saturated fats | 10 | 6.4  | 6.4  | 0.0 (-0.4, 0.4) | 0.996 |
| Sodium | 10 | 5.5  | 5.3  | -0.1 (-0.5, 0.2) | 0.510 |
| % kcal other foods | 20 | 11.7  | 14.3  | 2.6 (1.9, 3.4) | <0.001 |
|  |  |  |  |  |  |
| Total school-HEI  | 100 | 51.5  | 57.9  | 6.4 (4.9, 7.9)  | <0.001 |

School-HEI, school Healthy Eating Index. TEE, Total Energy Expenditure.

\*Plausible reporters were identified using TEE equations based on height, weights, age, sex, and body mass categories. Physical activity is assumed to be low active for respondents aged 13 and younger and sedentary for respondents aged 14 and older.†Differences in covariate-adjusted school-HEI scores were tested using multivariable linear regression models adjusted for school hour energy, ethnicity and food security status (*n*=3669 due to missing data for ethnicity and food security status).

**Supplemental Table S2** The *P*-value from Wald tests determining whether adding interaction product terms improved the overall fit of the multivariable linear regression models with survey year as the focal independent variable, sociodemographic variables as moderating variables, and school-HEI score as the outcome variable among Canadian children aged 6-17 years\*

|  |  |
| --- | --- |
|  | ***P* testing the joint significance of the interaction product terms** |
| Sex  | 0.521 |
| Age group  | 0.092 |
| Ethnicity  | 0.875 |
| Location of residence  | 0.868 |
| Province of residence  | 0.055 |
| Parental education  | 0.831 |
| Household-level food security status | 0.088 |

School-HEI, school Healthy Eating Index. \* Sample size for these models is slightly smaller (*n=*7211) due to missing data on ethnicity and food security status in multivariable linear regression models adjusted for school hour energy, ethnicity and food security status.