**Supplemental Table 1. Predicted means and standard errors (SE) for 2 different calculations of the estimated energy requirement (EER) and reported energy intake for each dietary assessment method (ASA24 vs. RFPM) by sex and race/ethnicity among children age 7-8 years in Colorado and Louisiana (n = 40 dyads)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Child characteristics** | **EER (kcal)**  **Calculation 1\*** | **EER (kcal)**  **Calculation 2\*** | **Reported energy intake-ASA24 (kcal)** | **Reported energy intake-RFPM (kcal)** |
|  | Mean (SE) | Mean (SE) | Mean (SE) | Mean (SE) |
| Girls |  |  |  |  |
| Non-Hispanic white | 1342 (53) | 1361 (54) | 1590 (108) | 1468 (106) |
| Ethnic minorities | 1369 (78) | 1389 (79) | 1464 (159) | 1013 (165) |
| Boys |  |  |  |  |
| Non-Hispanic white | 1442 (63) | 1476 (64) | 1990 (137) | 1391 (131) |
| Ethnic minorities | 1663 (79) | 1702 (80) | 1550 (164) | 1097 (166) |

\*Calculation 1: Based on the Schofield equation and an estimated physical activity level of 1.3; Calculation 2: Based on the Henry equation and a physical activity level of 1.3.

**Supplemental Table 2. Differences and 95% confidence intervals in reported energy intake**

**with the ASA24 and RFPM and 2 different calculations for the estimated energy requirement**

**by child sex among children age 7-8 years in Colorado and Louisiana**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **EER (kcal)**  **Calculation 1\*** | | | **EER (kcal)**  **Calculation 2\*** | | |
| **Comparison** | **Population** | **diff** | **(95% CI)** | **p** | **diff** | **(95% CI)** | **p** |
| ASA - EER | All | 231 | (63, 400) | 0.008 | 203 | (34, 372) | 0.02 |
|  | Girls | 179 | (-44, 403) | 0.11 | 160 | (-64, 384) | 0.16 |
|  | Boys | 283 | (31, 536) | 0.03 | 247 | (-6, 501) | 0.06 |
| RFPM - EER | All | -148 | (-321, 26) | 0.09 | -175 | (-349, -1) | 0.05 |
|  | Girls | -11 | (-240, 218) | 0.92 | -31 | (-261, 198) | 0.79 |
|  | Boys | -284 | (-545, -24) | 0.03 | -320 | (-581, -58) | 0.02 |

\*Calculation 1: Based on the Schofield equation and an estimated physical activity level of

1.3; Calculation 2: Based on the Henry equation and a physical activity level of 1.3