Supplementary Table 1: Food Parameters available in different countries

| Countries | N | Vit A | Vit B1 | Vit B2 | Vit B3 | Vit B6 | Folic Acid | Vit B12 | Vit D | Vit C | Vit E | Beta Carotene | Energy | Carbs | Fiber | T. Fat | Sat Fat | MUFA | PUFA | Cholesterol | Protein | Alcohol | Fe | Mg | Se | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USA | 8127 | × | × | × | × | × | × | × | × | × | × | × | × | | | | × | | | × | × | × | × | × | × | × |
| Australia | 400 | × | × | × | × | | × | | × | × | × | | × | × | × | × | × | × | × | × | × | | × | × | | × |
| Japan | 620 | × | × | × | × | × | × | × | × | × | × | | × | × | × | × | × | × | | × | × | × | × | × | | × |
| Korea | 824 | × | | × | × | | | | | × | × | | × | × | × | × | × | × | × | | × | | × | | | |
| South Africa | 157 | | × | × | | × | × | × | | | | | | | × | × | | × | × | × | × | | × | × | × | × |
| Venezuela | 92 | | | | | | | | | | | | × | × | | × | | | | | × | | | | | |
| Spain | 125 | × | × | × | × | × | × | × | × | × | × | | × | × | × | | | | | | | | | | | |
| Belgium | 99 | × | × | × | × | × | × | × | × | × | × | | × | × | × | | | | | | | | | | | |
| Greece | 172 | × | × | × | × | × | × | × | × | × | × | | × | × | × | | | | | | | | | | | |
| Germany | 140 | × | × | × | × | × | × | × | × | × | × | | × | × | × | | | | | | | | | | | |
| France | 107 | × | × | × | × | × | × | × | × | × | × | | × | × | × | | | | | | | | | | | |
| Italy | 73 | × | × | × | × | × | × | × | × | × | × | | × | × | × | | | | | | | | | | | |
| Sweden | 102 | × | × | × | × | × | × | × | × | × | × | | × | × | × | | | | | | | | | | | |
| Austria | 128 | × | × | × | × | × | × | × | × | × | × | | × | × | × | | | | | | | | | | | |
| United Arab Emirates | 358 | × | × | × | × | × | × | × | × | × | × | | | | × | | | | | × | | | × | × | | × |
| Chile | 1543 | | | | | | | | | | | | × | × | × | × | × | × | × | × | × | | | | | |

**Supplementary Table 2**: Shows the quantile regression coefficients for children's Dietary Inflammatory Index treated categorically with 3 levels (level 1 is the reference level) adjusted for sex, age, race, and BMI, NHANES, 2005–2012.

| | Weighted CRP Levels | | | | | | | | | | | |
| | 25th percentile | | | 50th percentile | | | 75th percentile | | | 90th percentile | | |
| | Est. | SE | 95% CI | Est. | SE | 95% CI | Est. | SE | 95% CI | Est. | SE | 95% CI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CDII Level** | | | | | | | | | | | | |
| **Quartile 2** | 0.018 | 0.011 | [-0.003, 0.039] | †0.060 | 0.022 | [0.018, 0.102] | †0.109 | 0.050 | [0.011, 0.206] | 0.323 | 0.323 | [-0.131, 0.777] |
| **Quartile 3 (3 + 4)** | 0.012 | 0.009 | [-0.006, 0.030] | †0.062 | 0.026 | [0.010, 0.113] | †0.123 | 0.034 | [0.057, 0.189] | †0.25 | 0.115 | [0.025, 0.475] |

The quantile regression coefficients (Est.), standard errors (SE) and 95% confidence intervals (CI). † Indicates a significant value (at $\alpha = 0.05$).