Supplemental Table 1. Pearson correlation coefficients of energy and nutrients between the 12-day DRs and second FFQ (FFQ2) and mean FFQ (Average of FFQ1 and FFQ2)

|  |  |  |
| --- | --- | --- |
| 　 | FFQ2 vs 12DR | mean FFQ vs 12DR |
|  | Crude | Energy-adj\* | Crude | Energy-adj |
| Energy | 0.42 | - | 0.48 | - |
| Protein | 0.31 | 0.26 | 0.37 | 0.32 |
| Fat | 0.43 | 0.61 | 0.47 | 0.63 |
| Carbohydrate | 0.44 | 0.60 | 0.51 | 0.69 |
| Calcium | 0.33 | 0.43 | 0.41 | 0.50 |
| Phosphorus | 0.34 | 0.43 | 0.40 | 0.47 |
| Iron | 0.32 | 0.35 | 0.37 | 0.40 |
| Potassium | 0.34 | 0.52 | 0.40 | 0.58 |
| Sodium | 0.34 | 0.26 | 0.39 | 0.31 |
| Vitamin A | 0.19 | 0.24 | 0.24 | 0.26 |
| Thiamin | 0.31 | 0.21 | 0.38 | 0.20 |
| Riboflavin | 0.28 | 0.31 | 0.36 | 0.37 |
| Niacin | 0.28 | 0.28 | 0.31 | 0.33 |
| Vitamin C | 0.40 | 0.49 | 0.41 | 0.53 |

All coefficients were significant

\*Natural log transformed, de-attenuated and energy-adjusted intake of nutrients by Multiple Source Method

Supplemental Table 2. Changes in energy and nutrient intakes between the first 3-day DRs and the fourth 3-day DRs.

|  |  |  |  |
| --- | --- | --- | --- |
| 　 | First 3 day DR | Fourth 3 day DR | Ratio\* |
| 　 | Mean | SD | Mean | SD | Mean | 95% CI |
| Energy [KJ(Kcal)] | 8217.1 (1963.9) | 2470.3 (590.4) | 8627.5 (2062.0) | 2535.1 (605.9) | 95 | 90 | 100 |
| Protein (g) | 78.5 | 28.7 | 80.5 | 26.5 | 96 | 91 | 103 |
| Fat (g) | 52.7 | 24.6 | 59.3 | 27.6 | 90 | 81 | 98 |
| Carbohydrate (g) | 285.7 | 88.1 | 300.7 | 85.7 | 95 | 90 | 100 |
| Calcium (mg) | 597.6 | 265.1 | 597.9 | 206.5 | 96 | 89 | 104 |
| Phosphorus (mg) | 1263.3 | 456.1 | 1282.5 | 383.4 | 97 | 91 | 102 |
| Iron (mg) | 16.0 | 8.3 | 16.0 | 6.0 | 95 | 87 | 104 |
| Potassium (mg) | 3261.9 | 1274 | 3405.5 | 1254.4 | 95 | 89 | 101 |
| Sodium (mg) | 6064.4 | 3285.1 | 6136.4 | 2854.9 | 97 | 89 | 105 |
| Vitamin A (ug RE) | 1104.2 | 1037.7 | 1149.5 | 855.6 | 94 | 80 | 109 |
| Thiamin (mg) | 1.6 | 0.9 | 1.5 | 0.6 | 100 | 91 | 109 |
| Riboflavin (mg) | 1.4 | 0.7 | 1.6 | 0.7 | 89 | 82 | 98 |
| Niacin (mg) | 18.3 | 7.2 | 19.5 | 7 | 93 | 86 | 99 |
| Vitamin C (mg) | 106.6 | 58.9 | 132.9 | 75.1 | 82 | 74 | 92 |

\* Geometric mean (95% CI) of individual ratios between intakes as recorded by the first 3-day DRs and the fourth 3-day DRs.