**Supplemental Digital Content 2: Average daily intakes of energy and macronutrients, and number and percentage of children meeting and not meeting recommended intakes, stratified by HIV group and sex**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Boys** | | | **Girls** | | |
| **Variable** |  | **HIV-infected**  **(N=107)** | **HIV-uninfected**  **(N=119)** | **P** | **HIV-infected**  **(N=110)** | **HIV-uninfected**  **(N=97)** | **P** |
| Total energy (kcal/day) | Mean (SD) | 1422 (553) | 1172 (452) | 0.0002 | 1261 (494) | 1225 (429) | 0.58 |
| Not meeting energy requirement1 | N (%) | 81 (75.7) | 102 (85.7) | 0.06 | 98 (89.1) | 82 (84.5) | 0.33 |
| Total carbohydrate (% energy) | Mean (SD) | 54.4 (9.1) | 51.2 (10.8) | 0.016 | 51.6 (9.0) | 49.9 (10.7) | 0.20 |
| <45%  45-65% (AMDR)  ≥65% | N (%) | 17 (15.9)  75 (70.1)  15 (14.0) | 30 (25.2)  78 (65.6)  11 (9.2) | 0.16 | 23 (20.9)  79 (71.8)  8 (7.3) | 30 (30.9)  60 (61.9)  7 (7.2) | 0.25 |
| Added sugars (g) | Mean (SD) | 32.8 (31.4) | 25.4 (19.8) | 0.03 | 20.9 (20.2) | 27.2 (21.0) | 0.03 |
| Added sugars (% carbohydrates) | Mean (SD) | 16.6 (12.9) | 17.2 (11.1) | 0.73 | 12.7 (10.3) | 17.4 (11.6) | 0.002 |
| Added sugars (% energy) | Mean (SD) | 9.3 (7.9) | 9.0 (6.4) | 0.76 | 6.7 (5.8) | 9.1 (7.1) | 0.009 |
| <10% (WHO)  ≥10% |  | 66 (61.7)  41 (38.3) | 80 (67.2)  39 (32.8) | 0.38 | 81 (73.6)  29 (26.4) | 59 (60.8)  38 (39.2) | 0.05 |
| Total fat (% energy) | Mean (SD) | 28.9 (9.4) | 31.5 (12.0) | 0.08 | 30.6 (9.8) | 32.3 (10.7) | 0.24 |
| <25%  25-35% (AMDR)  ≥35% | N (%) | 37 (34.6)  70 (65.4)  0 (0.0) | 35 (29.4)  84 (70.6)  0 (0.0) | 0.41 | 32 (29.1)  78 (70.9)  0 (0.0) | 26 (26.8)  71 (73.2)  0 (0.0) | 0.71 |
| PUFA (% fat) | Mean (SD) | 24.0 (10.4) | 24.2 (8.7) | 0.90 | 22.9 (11.0) | 25.9 (9.0) | 0.035 |
| MUFA (% fat) | Mean (SD) | 34.1 (5.6) | 35.3 (5.8) | 0.10 | 34.0 (6.2) | 34.6 (4.8) | 0.39 |
| Saturated fat (% fat) | Mean (SD) | 33.0 (7.9) | 30.9 (6.5) | 0.03 | 33.0 (7.8) | 30.7 (6.8) | 0.02 |
| Trans (% fat) | Mean (SD) | 2.7 (2.5) | 2.4 (2.1) | 0.30 | 2.7 (2.3) | 2.2 (1.7) | 0.06 |
| Total protein (% energy) | Mean (SD) | 12.5 (4.1) | 13.2 (3.7) | 0.14 | 13.3 (4.4) | 13.8 (4.5) | 0.40 |
| <10%  10-30% (AMDR)  ≥30% | N (%) | 35 (32.7)  72 (67.3)  0 (0.0) | 21 (17.7)  98 (82.4)  0 (0.0) | 0.009 | 25 (22.7)  85 (77.3)  0 (0.0) | 18 (18.6)  78 (80.4)  1 (1.0) | 0.44 |
| Plant (% protein) | Mean (SD) | 50.1 (19.7) | 47.9 (17.8) | 0.36 | 49.8 (18.8) | 45.4 (20.7) | 0.11 |
| Animal (% protein) | Mean (SD) | 48.4 (20.1) | 49.5 (19.5) | 0.70 | 48.8 (18.7) | 51.7 (22.0) | 0.30 |
| Total fiber (g/day) | Mean (SD) | 12.6 (6.6) | 10.6 (6.0) | 0.02 | 12.2 (6.8) | 10.3 (4.8) | 0.02 |
| <25  ≥25 (RDA) | N (%) | 102 (95.3)  5 (4.7) | 116 (97.5)  3 (2.5) | 0.38 | 106 (96.4)  4 (3.6) | 96 (99.0)  1 (1.0) | 0.22 |
| Cholesterol (mg/day) | Mean (SD) | 142 (124) | 142 (134) | 0.98 | 130 (110) | 163 (134) | 0.06 |

**Abbreviations:** RDA – Recommended Dietary Allowance; AMDR – Acceptable Macronutrient Distribution Range; PUFA – polyunsaturated fatty acids; MUFA – monounsaturated fatty acids; WHO – World Health Organization

1Energy requirement recommendations by the World Health Organization for children ages 6-9 years: 1650 kcal/day for HIV-uninfected children and 10% additional (1815 kcal/day) for HIV-infected children