**Online supporting material**

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| **Table 1.** Estimated mean differences in weight, fat-free mass, and fat mass within sex, breastfeeding, length-for-age and weight-for-length z score categories among Cambodian children at 6 and 15 months of age (n=413) | | | | | | | | | | | | | | | | | | | | |
|  | **6 months** | | | | | |  | **15 months** | | | | | |  | **Interaction** | | | | | |
|  | Weight, kg | | FFM, kg | | FM, kg | |  | Weight, kg | | FFM, kg | | FM, kg | |  | Weight, kg | | FFM, kg | | FM, kg | |
|  | Diff | 95% CI | Diff | 95% CI | Diff | 95% CI |  | Diff | 95% CI | Diff | 95% CI | Diff | 95% CI |  | Diff | 95% CI | Diff | 95% CI | Diff | 95% CI |
| **Sexa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boy | 0.63 | 0.47;0.78\* | 0.49 | 0.36; 0.61\* | 0.14 | 0.05;0.23\* |  | 0.66 | 0.50; 0.83\* | 0.57 | 0.42;0.71\* | 0.10 | -0.05; 0.25 |  | 0.04 | -0.06;0.14 | 0.08 | -0.06;0.21 | -0.04 | -0.16;0.09 |
| Girl | - | - | - | - | - | - |  |  |  |  |  |  |  |  | - | - | - | - | - | - |
| **Breastfeedingb** (n=412) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Not breastfed | -0.30 | -0.68;0.09 | 0.22 | -0.24;0.69 | -0.52 | -0.87;-0.17\* |  | -0.05 | -0.17;0.07 | 0.15 | 0.002;0.30\* | -0.20 | -0.34;-0.06\* |  | 0.25 | -0.14;0.64 | -0.07 | -0.55;0.40 | 0.32 | -0.06;0.70 |
| Breastfed | - | - | - | - | - | - |  |  |  |  |  |  |  |  | - | - | - | - | - | - |
| **LAZc** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <-2 | -1.40 | -1.58;-1.23\* | -1.13 | -1.31;-0.96\* | -0.27 | -0.43;-0.12\* |  | -1.74 | -1.95;-1.53\* | -1.57 | -1.80;-1.35\* | -0.17 | -0.40; 0.07 |  | -0.34 | -0.54;-0.13# | -0.44 | -0.70;-0.18# | 0.10 | -0.15;0.35 |
| -2< and <-1 | -0.90 | -1.04;-0.75\* | -0.78 | -0.93;-0.63\* | -0.12 | -0.25;0.02 |  | -1.08 | -1.28;-0.88\* | -1.00 | -1.22;-0.79\* | -0.08 | -0.30; 0.15 |  | -0.18 | -0.37;0.01 | -0.22 | -0.46;0.02 | 0.04 | -0.19;0.27 |
| -1< and <0 | -0.45 | -0.59;-0.31\* | -0.39 | -0.54;-0.25\* | -0.06 | -0.19:0.08 |  | -0.53 | -0.72;-0.34\* | -0.49 | -0.71;-0.28\* | -0.04 | -0.26; 0.19 |  | -0.08 | -0.27;0.11 | -0.10 | -0.34;0.15 | 0.02 | -0.21:0.26 |
| ≥0 | - | - | - | - | - | - |  |  |  |  |  |  |  |  | - | - | - | - | - | - |
| **WLZd** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <-2 | -1.54 | -1.75; -1.34\* | -0.99 | -1.26;-0.72\* | -0.55 | -0.78;-0.33\* |  | -1.66 | -1.84; -1.47\* | -1.44 | -1.69; -1.19\* | -0.22 | -0.51; 0.08 |  | -0.11 | -0.35; 0.13 | -0.45 | -0.79;-0.11# | 0.34 | -0.02;0.69 |
| -2< and <-1 | -1.03 | -1.14; -0.91\* | -0.48 | -0.63;-0.33\* | -0.54 | -0.67;-0.42\* |  | -1.14 | -1.29;-0.98\* | -1.07 | -1.28; -0.86\* | -0.07 | -0.33; 0.19 |  | -0.11 | -0.27; 0.05 | -0.59 | -0.82;-0.35# | 0.48 | 0.20;0.75# |
| -1< and <0 | -0.61 | -0.70; -0.52\* | -0.30 | -0.42;-0.18\* | -0.31 | -0.40;-0.22\* |  | -0.52 | -0.66; -0.37\* | -0.70 | -0.90; -0.50\* | 0.18 | -0.08; 0.45 |  | 0.09 | -0.06; 0.25 | -0.40 | -0.62;-0.18# | 0.49 | 0.21;0.77# |
| ≥0 | - | - | - | - | - | - |  | - | - | - | - | - | - |  | - | - | - | - | - | - |
| FFM, Fat-free mass; FM, Fat mass, LAZ, Length-for-age Z, WLZ, Weight-for-length Z  Separate linear mixed-effects models were fitted to FFM and weight. Age, sex, intervention groups of the original trial design, and the interaction between visit (6 or 15 months) and either asex, bbreastfeeding, cLAZ or dWLZ categories  were included as fixed effects and children and municipality were included as random (intercept) effects. Estimates for FM were derived from the corresponding estimates for FFM and weight (with error propagation).  \* Significantly different (p< 0.05) from the reference category.  # Significant interaction i.e., change in difference between 6 and 15 months | | | | | | | | | | | | | | | | | | | | |

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| **Table 2**. Estimated mean differences in body mass index, fat-free mass index, and fat mass index within sex, breastfeeding, length-for-age and weight-for-length z score  categories among Cambodian children at 6 and 15 months of age (n=413) | | | | | | | | | | | | | | | | | | | | |
|  | 6 months | | | | | |  | 15 months | | | | | |  | Interaction | | | | | |
|  | BMI, kg/m2 | | FFMI, kg/m2 | | FMI, kg/m2 | |  | BMI, kg/m2 | | FFMI, kg/m2 | | FMI, kg/m2 | |  | BMI, kg/m2 | | FFMI, kg/m2 | | FMI, kg/m2 | |
|  | Diff | 95% CI | Diff | 95% CI | Diff | 95% CI |  | Diff | 95% CI | Diff | 95% CI | Diff | 95% CI |  | Diff | 95% CI | Diff | 95% CI | Diff | 95% CI |
| **Sexa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boy | 0.59 | 0.35;0.83\* | 0.49 | 0.29; 0.68\* | 0.10 | -0.13;0.34 |  | 0.56 | 0.31; 0.81\* | 0.45 | 0.23;0.66\* | 0.11 | -0.18; 0.40 |  | -0.03 | -0.21;0.15 | -0.04 | -0.28;0.20 | 0.01 | -0.24;0.26 |
| Girl | - | - | - | - | - | - |  | - | - | - | - | - | - |  | - | - | - | - | - | - |
| **Breastfeedingb** (n=412) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Not breastfed | -0.48 | -1. 16;0.21 | 0.74 | -0.002;1.48 | -1.22 | -2.05;-0.39\*# |  | 0.05 | -0.16;0.26 | 0.28 | 0.03;0.53\* | -0.23 | -0.51;0.051 |  | 0.53 | -0.16;1.22 | -0.46 | -1.23;0.32 | 0.98 | 0.11;1.86# |
| Breastfed | - | - | - | - | - | - |  | - | - | - | - | - | - |  | - | - | - | - | - | - |
| **LAZc** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <-2 | -0.46 | -0.82;-0.11\* | -0.16 | -0.50;0.18 | -0.30 | -0.65;0.05 |  | -0.17 | -0.59;0.26 | -0.15 | -0.59;0.30 | -0.02 | -0.47;0.42 |  | 0.29 | -0.11;0.70 | 0.02 | -0.48;0.52 | 0.28 | -0.19;0.74 |
| -2< and <-1 | -0.21 | -0.51;0.08 | -0.19 | -0.48;0.10 | -0.03 | -0.32;0.27 |  | -0.01 | -0.40;0.39 | -0.12 | -0.54;0.30 | 0.12 | -0.30,0.53 |  | 0.21 | -0.17;0.58 | 0.06 | -0.39;0.52 | 0.14 | -0.28;0.56 |
| -1< and <0 | -0.07 | -0.35;0.20 | -0.03 | -0.31;0.25 | -0.04 | -0.32:0.24 |  | 0.07 | -0.31;0.45 | 0.01 | -0.41;0.43 | 0.06 | -0.35;0.46 |  | 0.14 | -0.23;0.52 | 0.05 | -0.42;0.51 | 0.10 | -0.32:0.52 |
| ≥0 | - | - | - | - | - | - |  | - | - | - | - | - | - |  | - | - | - | - | - | - |
| **WLZd** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <-2 | -4.06 | -4.34;-3.79\* | -1.94 | -2.36;-1.52\* | -2.12 | -2.53;-1.72\* |  | -3.37 | -3.63;-3.11\* | -2.05 | -2.45,-1.65\* | -1.32 | -1.77;-0.87\* |  | 0.69 | 0.32; 1.07# | -0.11 | -0.68;-0.46 | 0.80 | 0.20;1.40# |
| -2< and <-1 | -2.95 | -3.10;-2.80\* | -1.14 | -1.37;-0.90\* | -1.82 | -2.09;-1.54\* |  | -2.39 | -2.60;-2.17\* | -1.47 | -1.80;-1.14\* | -0.91 | -1.31;-0.51\* |  | 0.56 | 0.30; 0.82# | -0.34 | -0.73;0.06 | 0.90 | 0.43;1.38# |
| -1< and <0 | -1.83 | -1.95;-1.70\* | -0.70 | -0.88;-0.51\* | -1.13 | -1.35;-0.91\* |  | -1.39 | -1.60;-1.17\* | -1.09 | -1.42;-0.77\* | -0.29 | -0.71;0.12 |  | 0.44 | 0.20; 0.67# | -0.39 | -0.76;-0.03# | 0.84 | 0.37;1.30# |
| ≥0 | - | - | - | - | - | - |  | - | - | - | - | - | - |  | - | - | - | - | - | - |
| BMI, Body mass index; FFMI, Fat-free mass index; FMI, Fat mass index, LAZ, Length-for-age Z, WLZ, Weight-for-length Z.  Separate linear mixed-effects models were fitted to BMI and FFMI. Age, sex, intervention groups of the original trial design, and the interaction between visit (6 or 15 months) and either **a**sex, **b**breastfeeding, **c**LAZ or **d**WLZ categories  were included as fixed effects and children and municipality were included as random (intercept) effects. Estimates for FMI were derived from the corresponding estimates for BMI and FFMI (with error propagation).  \* Significantly different (p< 0.05) from the reference category.  # Significant interaction i.e., change in difference between 6 and 15 months (p<0.05). | | | | | | | | | | | | | | | | | | | | |

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| **Table 3.** Estimated mean differences in triceps and subscapular skin folds within sex, breastfeeding, length-for-age and weight-for-length z-score categories among Cambodian children at 6 and 15 months of age. Data are regression coefficient (B) and 95% confidence interval (95% CI) | | | | | | | | | | | | | | |
|  | **6 months** | | | |  | **15 months** | | | |  | **Interaction** | | | |
|  | Triceps skinfold, mm | | Subscapularis skinfold, mm | |  | Triceps skinfold, mm | | Subscapularis skinfold, mm | |  | Triceps skinfold, mm | | Subscapularis skinfold, mm | |
|  | B | 95% CI | B | 95% CI |  | B | 95% CI | B | 95% CI |  | B | 95% CI | B | 95% CI |
| **Sexa** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boy | 0.13 | -0.05; 0.32 | 0.14 | -0.08;0.35 |  | 0.33 | 0.13; 0.53\* | 0.10 | -0.12;0.32 |  | 0.19 | -0.01; 0.39 | -0.03 | -0.21;0.15 |
| Girl | - | - | - | - |  | - | - | - | - |  | - | - | - | - |
| **Breastfeedingb** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Not breastfed | -0.72 | -1.37; -0.08\* | -0.79 | -1.44;-0.15\* |  | -0.36 | -0.57;-0.15\* | -0.08 | -0.28;0.13 |  | 0.36 | -0.30;1.03 | 0.72 | 0.06;1.38# |
| Breastfed | - | - | - | - |  | - | - | - | - |  | - | - | - | - |
| **LAZc** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <-2 | -0.31 | -0.63; 0.009 | -0.41 | -0.74; -0.08\* |  | 0.004 | -0.39; 0.40 | -0.25 | -0.65; 0.15 |  | 0.31 | -0.11; 0.74 | 0.16 | -0.23; 0.55 |
| -2< and <-1 | -0.28 | -0.55; -0.01\* | -0.34 | -0.62; -0.06\* |  | 0.031 | -0.34; 0.40 | -0.15 | -0.52; 0.22 |  | 0.31 | -0.08; 0.71 | 0.19 | -0.17; 0.55 |
| -1< and <0 | -0.16 | -0.41; 0.10 | -0.22 | -0.47; 0.04 |  | 0.10 | -0.26; 0.47 | -0.02 | -0.38; 0.34 |  | 0.25 | -0.14; 0.66 | 0.20 | -0.16; 0.57 |
| ≥0 | - | - | - | - |  | - | - | - | - |  | - | - | - | - |
| **WLZd** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <-2 | -1.28 | -1.70; -0.87\* | -1.99 | -2.38; -1.60\* |  | -1.02 | -1.41; -0.64\* | -1.74 | -2.10; -1.39\* |  | 0.26 | -0.27; -0.79 | 0.24 | -0.23; 0.72 |
| -2< and <-1 | -0.96 | -1.19; -0.73\* | -1.49 | -1.70; -1.27\* |  | -0.78 | -1.09; -0.46\* | -1.19 | -1.48; -0.90\* |  | 0.18 | -0.18; 0.55 | 0.29 | -0.03; 0.62 |
| -1< and <0 | -0.65 | -0.84; -0.47\* | -0.92 | -1.09; -0.75\* |  | -0.29 | -0.60; 0.02 | -0.66 | -0.95; -0.38\* |  | 0.36 | 0.02; 0.71# | 0.26 | -0.05; 0.57 |
| ≥0 | - | - | - | - |  | - | - | - | - |  | - | - | - | - |
| Linear mixed-effects models were fitted for triceps and subscapular skinfolds. Age, sex, intervention groups of the original trial design, and the interaction between visit (6 or 15 months) and either asex, bbreastfeeding, clength-for-age or dweight-for-age z-score categories were included as fixed effects and children and municipality were included as random (intercept) effects.  \* Significantly different from the reference category (p< 0.05)  # Significant interaction | | | | | | | | | | | | | | |