**Supplemental table 1: Association between breast milk adiponectin and weight-for-length/height z-score throughout childhood, at different ages**

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| Age  | Crude change in weight-for-length/height z-score per ng/ml increase in log adiponectin (n=251) | Adjusted change in weight-for-length/height z-score per ng/ml increase in log adiponectin (95% CI)a (n=223) |
|  | Self-reported | Measured | Self-reported | Measured |
| 3 months | -0.25 (-0.52, 0.02) | n.a. | -0.22 (-0.53, 0.09) | n.a. |
| 1 year | -0.04 (-0.25, 0.18) | n.a. | 0.07 (-0.17, 0.32) | n.a. |
| 2 years | 0.01 (-0.24, 0.26) | n.a. | 0.15 (-0.11, 0.40) | n.a. |
| 3 years | -0.03 (-0.28, 0.22) | n.a. | 0.05 (-0.21, 0.31) | n.a. |
| 4 years | 0.18 (-0.05, 0.41) | 0.11 (-0.11, 0.33) | 0.23 (-0.01, 0.48) | 0.23 (-0.01, 0.47) |
| 5 years | -0.22 (-0.43, 0.06) | n.a. | -0.14 (-0.40, 0.13) | n.a. |
| 6 years | 0.12 (-0.12, 0.35) | n.a. | 0.19 (-0.05, 0.42) | n.a. |
| 7 years | -0.01 (-0.31, 0.29) | n.a. | 0.04 (-0.27, 0.35) | n.a. |
| 8 years | -0.16 (-0.27, 0.20) | 0.04 (-0.16, 0.24) | -0.11 (-0.50, 0.29) | 0.15 (-0.06, 0.35) |
| 11/12 years | -0.02 (-0.28, 0.23) | 0.07 (-0.24, 0.38) | 0.03 (-0.23, 0.29) | 0.16 (-0.15, 0.48) |
| 14 years | -0.07 (-0.39, 0.25) | n.a. | -0.01 (-0.34, 0.31) | n.a. |
| 16/17 years | -0.00 (-0.37, 0.36) | -0.05 (-0.82, 0.72) | 0.02 (-0.35, 0.39) | -0.08 (-0.86, 0.69) |
| overall estimate | -0.03 (-0.20, 0.14) | 0.07 (-0.14, 0.27) | 0.05 (-0.13, 0.23) | 0.16 (-0.06, 0.37) |

a Associations were adjusted for exact age of breast milk collection, maternal age, presence of siblings, maternal BMI, pregnancy weight gain and child’s birth weight. Correlation between repeated measurements within the same children were taken into account with mixed models.