**Supplemental Material**

**Supplemental Table 1. Relationship of aspects of the home environment during childhood with adipokines or body mass index z-score at age 5**

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| --- | --- | --- | --- | --- |
|  | **β1 (95% Confidence Interval)** | | | |
|  | **Depression Scale** | | **Duke SS** | |
|  | 1Y | 3Y | 1Y | 5Y |
| **BMI z-score** |  |  |  |  |
| Model 1 | 0.006 (-0.006, 0.018) | 0.008 (-0.002, 0.018) | 0.017 (-0.113, 0.147) | -0.102 (-0.233, 0.030) |
| Model 2 | 0.004 (-0.009, 0.016) | 0.004 (-0.007, 0.015) | 0.024 (-0.109, 0.157) | -0.098 (-0.239, 0.043) |
|  |  |  |  |  |
| **Adiponectin** |  |  |  |  |
| Model 1 | -0.063 (-0.250, 0.125) | -0.155 (-0.351, 0.040) | 0.014 (-2.315, 2.342) | 0.055 (-1.950, 2.060) |
| Model 2 | -0.016 (-0.222, 0.189) | -0.107 (-0.326, 0.112) | 0.29 (-2.341, 2.922) | 0.161 (-2.003, 2.325) |
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| **Leptin** |  |  |  |  |
| Model 1 | 0.001 (-0.004, 0.005) | -0.002 (-0.006, 0.002) | -0.002 (-0.050, 0.046) | -0.040 (-0.089, 0.009) |
| Model 2 | -0.0004 (-0.006, 0.005) | -0.003 (-0.008, 0.002) | 0.005 (-0.046, 0.055) | -0.038 (-0.093, 0.016) |
|  |  |  |  |  |
|  | **H.O.M.E. Score** | | | |
|  | 6M | 1Y | 2Y | 3Y |
| **BMI z-score** |  |  |  |  |
| Model 1 | -0.004 (-0.030, 0.022) | -0.012 (-0.052, 0.027) | 0.008 (-0.044, 0.061) | -0.018 (-0.067, 0.030) |
| Model 2 | -0.006 (-0.038, 0.026) | -0.003 (-0.045, 0.040) | 0.016 (-0.041, 0.074) | -0.023 (-0.073, 0.026) |
|  |  |  |  |  |
| **Adiponectin** |  |  |  |  |
| Model 1 | 0.137 (-0.280, 0.553) | 0.099 (-0.492, 0.691) | -0.062 (-0.870, 0.747) | 0.378 (-0.575, 1.331) |
| Model 2 | 0.183 (-0.309, 0.675) | 0.227 (-0.437, 0.892) | 0.398 (-0.465, 1.261) | 0.553 (-0.414, 1.520) |
|  |  |  |  |  |
| **Leptin** |  |  |  |  |
| Model 1 | -0.003 (-0.012, 0.006) | -0.001 (-0.014, 0.013) | -0.007 (-0.027, 0.012) | 0.012 (-0.007, 0.031) |
| Model 2 | -0.003 (-0.014, 0.008) | 0.004 (-0.011, 0.019) | -0.005 (-0.028, 0.017) | 0.013 (-0.006, 0.031) |

1Linear regression coefficient

Model 1: crude

Model 2: crude + sex + smoking + alcohol + education + prepreg bmi + preg ssb + baseline poverty + years US

Bolded values are significant at *p*<0.05

**Supplemental Table 2. Relationship of aspects of the home environment during childhood with adipokines or body mass index z-score at age 9**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **β1 (95% Confidence Interval)** | | | | | |
|  | **Depression Scale** | | | | **Duke SS** | |
|  | 1Y | 3Y | 7Y | 9Y | 1Y | 5Y |
| **BMI z-score** | |  |  |  |  |  |
| Model 1 | 0.008 (-0.003, 0.019) | **0.013 (0.003, 0.024)** | -0.0001 (-0.012, 0.012) | **0.012 (0.002, 0.023)** | 0.021 (-0.108, 0.149) | -0.068 (-0.198, 0.063) |
| Model 2 | 0.005 (-0.006, 0.015) | **0.011 (0.0001, 0.022)** | 0.0001 (-0.012, 0.012) | 0.010 (-0.002, 0.021) | 0.024 (-0.101, 0.149) | -0.060 (-0.190, 0.069) |
|  |  |  |  |  |  |  |
| **Adiponectin** | |  |  |  |  |  |
| Model 1 | -0.158 (-0.365, 0.050) | -0.005 (-0.209, 0.199) | 0.059 (-0.191, 0.310) | -0.208 (-0.434, 0.017) | 0.587 (-1.777, 2.951) | 1.577 (-0.867, 4.020) |
| Model 2 | -0.151 (-0.370, 0.067) | 0.061 (-0.158, 0.281) | 0.061 (-0.194, 0.315) | -0.174 (-0.414, 0.067) | 0.437 (-2.004, 2.879) | 1.547 (-0.859, 3.954) |
|  |  |  |  |  |  |  |
| **Leptin** |  |  |  |  |  |  |
| Model 1 | 0.004 (-0.001, 0.010) | **0.007 (0.001, 0.013)** | -0.0001 (-0.007, 0.007) | 0.004 (-0.002, 0.010) | -0.043 (-0.108, 0.021) | -0.056 (-0.121, 0.009) |
| Model 2 | 0.004 (-0.001, 0.009) | 0.005 (-0.001, 0.010) | 0.001 (-0.005, 0.007) | 0.005 (-0.001, 0.010) | -0.044 (-0.104, 0.015) | -0.052 (-0.116, 0.011) |
|  |  |  |  |  |  |  |
|  | **H.O.M.E. Score** | | | | | |
|  | 6M | 1Y | 2Y | 3Y | 7Y | 9Y |
| **BMI z-score** | |  |  |  |  |  |
| Model 1 | 0.0002 (-0.026, 0.026) | -0.001 (-0.041, 0.040) | 0.026 (-0.025, 0.077) | 0.014 (-0.032, 0.059) | -0.006 (-0.048, 0.036) | -0.030 (-0.073, 0.012) |
| Model 2 | -0.008 (-0.036, 0.019) | -0.012 (-0.049, 0.026) | 0.008 (-0.042, 0.059) | -0.001 (-0.044, 0.042) | 0.001 (-0.039, 0.041) | -0.020 (-0.066, 0.025) |
|  |  |  |  |  |  |  |
| **Adiponectin** | |  |  |  |  |  |
| Model 1 | 0.118 (-0.404, 0.639) | 0.130 (-0.548, 0.809) | -0.202 (-1.039, 0.636) | **0.933 (0.031, 1.835)** | 0.726 (-0.016, 1.469) | 0.768 (-0.031, 1.568) |
| Model 2 | 0.374 (-0.220, 0.968) | 0.333 (-0.421, 1.087) | 0.143 (-0.828, 1.115) | **1.165 (0.202, 2.129)** | **0.842 (0.067, 1.617)** | 0.677 (-0.196, 1.550) |
|  |  |  |  |  |  |  |
| **Leptin** |  |  |  |  |  |  |
| Model 1 | 0.003 (-0.011, 0.016) | 0.006 (-0.015, 0.028) | **0.029 (0.003, 0.055)** | 0.011 (-0.012, 0.034) | -0.003 (-0.025, 0.018) | -0.002 (-0.025, 0.022) |
| Model 2 | -0.004 (-0.017, 0.009) | 0.005 (-0.015, 0.024) | 0.017 (-0.009, 0.043) | 0.002 (-0.020, 0.023) | -0.003 (-0.023, 0.018) | -0.005 (-0.028, 0.018) |

1Linear regression coefficient

Model 1: crude

Model 2: crude + sex + smoking + alcohol + education + prepreg bmi + preg ssb + baseline poverty + years US

Bolded values are significant at *p*<0.05