## Table 1

|  |  |  | n (%) or median (IQR) |
| --- | --- | --- | --- |
| Child |  | Female | 882 (49%) |
|  | Anthropometry (3 months) | Length-for-age Z score | -1.3 (-1.99, -0.59) |
|  |  | Weight-for-age Z score | -1.21 (-1.87, -0.57) |
|  |  | Weight-for-length Z score | -0.24 (-1.06, 0.46) |
|  |  | Head circumference-for-age Z score | -1.82 (-2.49, -1.1) |
|  | Anthropometry (14 months) | Length-for-age Z score | -1.39 (-2.07, -0.74) |
|  |  | Weight-for-age Z score | -1.3 (-2, -0.63) |
|  |  | Weight-for-length Z score | -0.89 (-1.54, -0.21) |
|  |  | Head circumference-for-age Z score | -1.77 (-2.35, -1.11) |
|  | Anthropometry (28 months) | Length-for-age Z score | -1.56 (-2.27, -0.94) |
|  |  | Weight-for-age Z score | -1.58 (-2.2, -0.93) |
|  |  | Weight-for-length Z score | -1.02 (-1.62, -0.38) |
|  |  | Head circumference-for-age Z score | -1.81 (-2.38, -1.2) |
|  | Diarrhea (3 months) | Caregiver-reported 7-day recall | No valid data |
|  | Diarrhea (14 months) | Caregiver-reported 7-day recall | 214 (12%) |
|  | Diarrhea (28 months) | Caregiver-reported 7-day recall | 114 (6%) |
|  | Acute respiratory illness (14 months) | Caregiver-reported 7-day recall | 463 (26%) |
|  | Acute respiratory illness (28 months) | Caregiver-reported 7-day recall | 401 (22%) |
| Mother |  | Age (years) | 23 (20, 27) |
|  |  | Gestational age (weeks) | 22 (17.64, 25.86) |
|  | Anthropometry at enrollment | Height (cm) | 150.3 (146.8, 154.1) |
|  | Education | Schooling completed (years) | 7 (4, 9) |
|  | Depression (14 months) | CES-D score | 10 (6, 16) |
|  | Depression (28 months) | CES-D score | 10 (5, 17) |
|  | Perceived stress (28 months) | Perceived Stress Scale score | 14 (10, 18) |
|  | Intimate partner violence | Any lifetime exposure | 836 (57%) |

## Table 2

| Serum maternal inflammation biomarkers | Outcome | N | 25th Percentile | 75th Percentile | Outcome, 75th Percentile v. 25th Percentile | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Adjusted | | | |
|  |  |  |  |  | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value |
| Ln Alpha(1)-acid glycoprotein (g/L) | Ln Lactulose 3 months (mmol/L) | 293 | 0.33 | 0.55 | -1.05 | -0.96 | 0.08 (-0.1, 0.27) | 0.39 |
|  | Ln Mannitol 3 months (mmol/L) | 293 | 0.33 | 0.55 | 1.07 | 1.19 | 0.12 (-0.06, 0.29) | 0.18 |
|  | Ln MPO Age 3 months (ng/mL) | 237 | 0.33 | 0.54 | 8.85 | 8.94 | 0.09 (-0.14, 0.33) | 0.46 |
|  | Ln A1AT Age 3 months(mg/g) | 238 | 0.33 | 0.54 | -0.42 | -0.44 | -0.02 (-0.09, 0.05) | 0.6 |
|  | Ln NEO Age 3 months (nmol/L) | 238 | 0.33 | 0.54 | 6.85 | 6.83 | -0.02 (-0.07, 0.03) | 0.47 |
|  | Ln Lactulose 14 months (mmol/L) | 490 | 0.33 | 0.58 | -1.23 | -1.22 | 0.01 (-0.07, 0.09) | 0.84 |
|  | Ln Mannitol 14 months (mmol/L) | 487 | 0.33 | 0.58 | 0.74 | 0.84 | 0.1 (-0.05, 0.24) | 0.19 |
|  | Ln MPO Age 14 months (ng/mL) | 444 | 0.32 | 0.57 | 8.64 | 8.5 | -0.14 (-0.32, 0.04) | 0.14 |
|  | Ln A1AT Age 14 months(mg/g) | 501 | 0.33 | 0.58 | -0.79 | -0.77 | 0.03 (-0.04, 0.09) | 0.45 |
|  | Ln NEO Age 14 months (nmol/L) | 446 | 0.32 | 0.57 | 6.83 | 6.83 | 0 (-0.13, 0.13) | 0.97 |
|  | Ln REG1β Age 14 months (µg/mL) | 445 | 0.32 | 0.57 | 5.04 | 5.01 | -0.03 (-0.1, 0.04) | 0.34 |
|  | Ln Lactulose 28 months (mmol/L) | 525 | 0.33 | 0.56 | -1.3 | -1.27 | 0.03 (-0.05, 0.1) | 0.54 |
|  | Ln Mannitol 28 months (mmol/L) | 525 | 0.33 | 0.56 | 1.25 | 1.27 | 0.02 (-0.04, 0.08) | 0.55 |
|  | Ln MPO Age 28 months (ng/mL) | 527 | 0.32 | 0.56 | 8.16 | 8.13 | -0.03 (-0.27, 0.21) | 0.82 |
|  | Ln A1AT Age 28 months(mg/g) | 530 | 0.33 | 0.56 | -0.81 | -0.83 | -0.02 (-0.09, 0.06) | 0.72 |
|  | Ln NEO Age 28 months (nmol/L) | 531 | 0.32 | 0.56 | 5.9 | 5.87 | -0.03 (-0.1, 0.04) | 0.42 |
|  |  |  |  |  |  |  |  |  |
| Ln C-reactive protein (mg/L) | Ln Lactulose 3 months (mmol/L) | 293 | 1.14 | 4.48 | -1.02 | -1.01 | 0 (0, 0) | 0.06 |
|  | Ln Mannitol 3 months (mmol/L) | 293 | 1.14 | 4.48 | 1.2 | 0.96 | -0.24 (-0.61, 0.14) | 0.22 |
|  | Ln MPO Age 3 months (ng/mL) | 237 | 1.14 | 4.51 | 8.87 | 8.85 | -0.01 (-0.05, 0.02) | 0.43 |
|  | Ln A1AT Age 3 months(mg/g) | 238 | 1.14 | 4.5 | -0.42 | -0.43 | 0 (-0.04, 0.03) | 0.81 |
|  | Ln NEO Age 3 months (nmol/L) | 238 | 1.14 | 4.5 | 6.83 | 6.85 | 0.02 (-0.03, 0.08) | 0.41 |
|  | Ln Lactulose 14 months (mmol/L) | 490 | 1 | 4.16 | -1.26 | -1.23 | 0.03 (-0.01, 0.06) | 0.15 |
|  | Ln Mannitol 14 months (mmol/L) | 487 | 1 | 4.16 | 0.69 | 0.85 | 0.16 (0.01, 0.31) | 0.03 |
|  | Ln MPO Age 14 months (ng/mL) | 444 | 1.03 | 4.3 | 8.61 | 8.5 | -0.11 (-0.29, 0.07) | 0.23 |
|  | Ln A1AT Age 14 months(mg/g) | 501 | 1 | 4.15 | -0.79 | -0.79 | 0 (-0.03, 0.03) | 0.96 |
|  | Ln NEO Age 14 months (nmol/L) | 446 | 1.03 | 4.26 | 6.86 | 6.8 | -0.05 (-0.18, 0.07) | 0.4 |
|  | Ln REG1β Age 14 months (µg/mL) | 445 | 1.03 | 4.22 | 4.86 | 4.77 | -0.09 (-0.34, 0.17) | 0.51 |
|  | Ln Lactulose 28 months (mmol/L) | 525 | 0.95 | 4.14 | -1.3 | -1.28 | 0.02 (-0.02, 0.05) | 0.44 |
|  | Ln Mannitol 28 months (mmol/L) | 525 | 0.95 | 4.14 | 1.27 | 1.31 | 0.04 (-0.16, 0.23) | 0.72 |
|  | Ln MPO Age 28 months (ng/mL) | 527 | 0.98 | 4.14 | 8.13 | 8.16 | 0.02 (-0.01, 0.06) | 0.15 |
|  | Ln A1AT Age 28 months(mg/g) | 530 | 1 | 4.14 | -0.91 | -0.77 | 0.14 (-0.15, 0.43) | 0.34 |
|  | Ln NEO Age 28 months (nmol/L) | 531 | 1 | 4.14 | 5.88 | 5.88 | 0 (0, 0) | 0\* |
|  |  |  |  |  |  |  |  |  |
| Maternal Sumscore of 13 plasma cytokines | Ln Lactulose 3 months (mmol/L) | 273 | -0.69 | 0.65 | -1.03 | -1.02 | 0.01 (-0.19, 0.22) | 0.9 |
|  | Ln Mannitol 3 months (mmol/L) | 273 | -0.69 | 0.65 | 1.24 | 1.18 | -0.06 (-0.22, 0.1) | 0.46 |
|  | Ln MPO Age 3 months (ng/mL) | 221 | -0.66 | 0.65 | 8.88 | 8.78 | -0.11 (-0.38, 0.16) | 0.45 |
|  | Ln A1AT Age 3 months(mg/g) | 222 | -0.66 | 0.65 | -0.45 | -0.34 | 0.11 (-0.13, 0.34) | 0.38 |
|  | Ln NEO Age 3 months (nmol/L) | 222 | -0.66 | 0.65 | 6.86 | 6.95 | 0.09 (-0.03, 0.21) | 0.15 |
|  | Ln Lactulose 14 months (mmol/L) | 404 | -0.64 | 0.63 | -1.26 | -1.26 | 0 (-0.16, 0.15) | 0.99 |
|  | Ln Mannitol 14 months (mmol/L) | 404 | -0.64 | 0.63 | 0.84 | 0.83 | -0.01 (-0.16, 0.14) | 0.91 |
|  | Ln MPO Age 14 months (ng/mL) | 419 | -0.63 | 0.64 | 8.66 | 8.57 | -0.09 (-0.44, 0.26) | 0.62 |
|  | Ln A1AT Age 14 months(mg/g) | 420 | -0.63 | 0.64 | -0.69 | -0.67 | 0.01 (-0.12, 0.14) | 0.86 |
|  | Ln NEO Age 14 months (nmol/L) | 420 | -0.63 | 0.64 | 6.86 | 6.83 | -0.03 (-0.17, 0.12) | 0.74 |
|  | Ln REG1β Age 14 months (µg/mL) | 419 | -0.63 | 0.64 | 4.97 | 5 | 0.02 (-0.12, 0.17) | 0.76 |
|  | Ln Lactulose 28 months (mmol/L) | 497 | -0.63 | 0.65 | -1.29 | -1.26 | 0.03 (-0.12, 0.19) | 0.7 |
|  | Ln Mannitol 28 months (mmol/L) | 497 | -0.63 | 0.65 | 1.29 | 1.27 | -0.02 (-0.14, 0.1) | 0.74 |
|  | Ln MPO Age 28 months (ng/mL) | 501 | -0.63 | 0.65 | 8.18 | 8.23 | 0.05 (-0.08, 0.18) | 0.43 |
|  | Ln A1AT Age 28 months(mg/g) | 503 | -0.63 | 0.65 | -0.82 | -0.76 | 0.06 (-0.06, 0.19) | 0.32 |
|  | Ln NEO Age 28 months (nmol/L) | 503 | -0.63 | 0.65 | 5.89 | 5.88 | -0.01 (-0.15, 0.13) | 0.9 |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | |
| \* P-value < 0.2 after adjusting for multiple comparisons using the Benjamini-Hochberg procedure | | | | | | | | |