## Table 2

|  |  |  |  | Outcome, 75th Percentile v. 25th Percentile | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Unadjusted | | | | Fully adjusted | | | |
| Urinary oxidative stress biomarker | Outcome | 25th Percentile | 75th Percentile | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value |
| Maternal Exposure to IPV at any time | IPF(2a)-III | 0 | 1 | 0.78 | 0.71 | -0.07 (-0.16, 0.01) | 0.26 | 0.70 | 0.61 | -0.09 (-0.17, 0) | 0.11 |
|  | 2,3-dinor-iPF(a2)-III | 0 | 1 | 5.81 | 5.49 | -0.32 (-0.67, 0.03) | 0.23 | 5.82 | 5.50 | -0.32 (-0.66, 0.02) | 0.20 |
|  | iPF(2a)-VI | 0 | 1 | 12.95 | 12.54 | -0.41 (-2.05, 1.24) | 0.64 | 12.80 | 12.18 | -0.62 (-2.26, 1.03) | 0.47 |
|  | 8,12-iso-iPF(2a)-VI | 0 | 1 | 12.85 | 11.82 | -1.04 (-2.47, 0.4) | 0.48 | 11.83 | 10.31 | -1.52 (-2.94, -0.1) | 0.11 |
|  | Pre to post-stress change in slope of sAA | 0 | 1 | -4.01 | -3.32 | 0.69 (-0.21, 1.59) | 0.46 | -3.46 | -2.75 | 0.71 (-0.19, 1.61) | 0.45 |
|  | Pre-Stressor SAA | 0 | 1 | 74.26 | 80.26 | 6.01 (-3.33, 15.35) | 0.29 | 69.17 | 75.17 | 6 (-3.37, 15.37) | 0.30 |
|  | Post-Stressor SAA | 0 | 1 | 145.62 | 141.32 | -4.3 (-21.41, 12.81) | 0.98 | 140.08 | 136.13 | -3.95 (-21.2, 13.31) | 0.93 |
|  | Change in Slope of Cortisol | 0 | 1 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 0.96 |
|  | Pre-Stressor Cortisol | 0 | 1 | 0.18 | 0.17 | -0.01 (-0.04, 0.01) | 0.59 | 0.22 | 0.20 | -0.02 (-0.04, 0.01) | 0.44 |
|  | Post-Stressor Cortisol | 0 | 1 | 0.39 | 0.38 | -0.01 (-0.07, 0.04) | 0.83 | 0.43 | 0.42 | -0.01 (-0.07, 0.04) | 0.79 |
|  | Mean Arterial Perssure | 0 | 1 | 64.45 | 64.89 | 0.44 (-0.5, 1.39) | 0.66 | 64.60 | 64.97 | 0.37 (-0.57, 1.31) | 0.75 |
|  | Resting Heart Rate | 0 | 1 | 108.47 | 108.78 | 0.3 (-2.01, 2.62) | 1.00 | 108.19 | 108.33 | 0.14 (-2.19, 2.47) | 0.91 |
|  | Entire promoter region (39 assayed CpG sites) | 0 | 1 | 0.34 | 0.36 | 0.02 (-0.03, 0.06) | 0.96 | 0.38 | 0.40 | 0.02 (-0.02, 0.07) | 0.84 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 0 | 1 | 0.83 | 0.83 | 0 (-0.14, 0.14) | 1.00 | 0.71 | 0.72 | 0.01 (-0.14, 0.15) | 0.93 |

## Table 3

|  |  |  |  | Outcome, 75th Percentile v. 25th Percentile | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Unadjusted | | | | Fully adjusted | | | |
| Salivary stress biomarker | Outcome | 25th Percentile | 75th Percentile | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value |
| Maternal Percieved Stress | Pre to post-stress change in slope of sAA | 10 | 18 | -3.36 | -3.89 | -0.53 (-1.18, 0.12) | 0.46 | -2.32 | -2.83 | -0.51 (-1.17, 0.15) | 0.45 |
|  | Pre-Stressor SAA | 10 | 18 | 71.04 | 78.52 | 7.47 (-6.33, 21.28) | 0.34 | 65.29 | 73.05 | 7.77 (-6.11, 21.65) | 0.32 |
|  | Post-Stressor SAA | 10 | 18 | 136.65 | 149.65 | 13 (0.61, 25.39) | 0.28 | 133.18 | 144.86 | 11.68 (-0.81, 24.17) | 0.23 |
|  | Change in Slope of Cortisol | 10 | 18 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 0.96 |
|  | Pre-Stressor Cortisol | 10 | 18 | 0.18 | 0.16 | -0.01 (-0.04, 0.01) | 0.59 | 0.21 | 0.2 | -0.01 (-0.04, 0.01) | 0.44 |
|  | Post-Stressor Cortisol | 10 | 18 | 0.38 | 0.38 | 0 (-0.04, 0.04) | 0.99 | 0.42 | 0.43 | 0.01 (-0.03, 0.04) | 0.79 |
|  | Mean Arterial Perssure | 10 | 18 | 64.57 | 64.84 | 0.27 (-0.94, 1.48) | 0.79 | 64.66 | 64.96 | 0.3 (-0.92, 1.52) | 0.75 |
|  | Resting Heart Rate | 10 | 18 | 108.64 | 108.64 | 0 (0, 0) | 1 | 107.98 | 108.51 | 0.53 (-1.12, 2.18) | 0.76 |
|  | Entire promoter region (39 assayed CpG sites) | 10 | 18 | 0.35 | 0.34 | -0.02 (-0.05, 0.02) | 0.96 | 0.42 | 0.4 | -0.02 (-0.05, 0.02) | 0.84 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 10 | 18 | 0.85 | 0.82 | -0.03 (-0.13, 0.07) | 1 | 0.73 | 0.7 | -0.03 (-0.13, 0.07) | 0.78 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Paternal Percieved Stress | Pre to post-stress change in slope of sAA | 15 | 22 | -3.39 | -3.49 | -0.1 (-0.82, 0.62) | 0.8 | -2.53 | -2.74 | -0.22 (-0.94, 0.51) | 0.69 |
|  | Pre-Stressor SAA | 15 | 22 | 71.55 | 81.79 | 10.24 (2.7, 17.78) | 0.05 | 72.17 | 82.61 | 10.44 (2.67, 18.21) | 0.06 |
|  | Post-Stressor SAA | 15 | 22 | 137.68 | 149.51 | 11.84 (-1.86, 25.53) | 0.31 | 127.34 | 141.09 | 13.76 (-0.11, 27.63) | 0.23 |
|  | Change in Slope of Cortisol | 14 | 22 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 0.96 |
|  | Pre-Stressor Cortisol | 15 | 22 | 0.17 | 0.22 | 0.05 (-0.01, 0.1) | 0.55 | 0.21 | 0.25 | 0.05 (-0.01, 0.1) | 0.44 |
|  | Post-Stressor Cortisol | 14 | 22 | 0.38 | 0.41 | 0.03 (-0.01, 0.08) | 0.83 | 0.4 | 0.45 | 0.04 (-0.01, 0.09) | 0.76 |
|  | Mean Arterial Perssure | 15 | 22 | 64.95 | 64.93 | -0.02 (-0.77, 0.72) | 0.95 | 64.66 | 64.52 | -0.14 (-0.89, 0.62) | 0.75 |
|  | Resting Heart Rate | 15 | 22 | 108.89 | 110.04 | 1.15 (-0.68, 2.98) | 1 | 108.94 | 110.26 | 1.32 (-0.51, 3.14) | 0.7 |
|  | Entire promoter region (39 assayed CpG sites) | 15 | 22 | 0.37 | 0.37 | 0 (-0.04, 0.04) | 0.99 | 0.42 | 0.4 | -0.02 (-0.08, 0.04) | 0.84 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 15 | 22 | 0.92 | 0.82 | -0.1 (-0.22, 0.01) | 0.48 | 0.69 | 0.58 | -0.11 (-0.22, 0) | 0.41 |

## Table 4

|  |  |  |  | Outcome, 75th Percentile v. 25th Percentile | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Unadjusted | | | | Fully adjusted | | | |
| Resting SAM biomarker | Outcome | 25th Percentile | 75th Percentile | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value |
| CES-D score at Year 1 | IPF(2a)-III | 9 | 17 | 0.73 | 0.75 | 0.03 (-0.01, 0.07) | 0.28 | 0.67 | 0.7 | 0.03 (-0.01, 0.07) | 0.31 |
|  | 2,3-dinor-iPF(a2)-III | 9 | 17 | 5.57 | 5.64 | 0.06 (-0.11, 0.24) | 0.71 | 5.56 | 5.66 | 0.09 (-0.07, 0.26) | 0.42 |
|  | iPF(2a)-VI | 9 | 17 | 12.53 | 13.18 | 0.66 (-0.14, 1.46) | 0.16 | 12.61 | 13.24 | 0.62 (-0.16, 1.41) | 0.18 |
|  | 8,12-iso-iPF(2a)-VI | 9 | 17 | 12.24 | 12.56 | 0.32 (-0.39, 1.03) | 0.58 | 11.9 | 12.19 | 0.28 (-0.42, 0.99) | 0.65 |
|  | Pre to post-stress change in slope of sAA | 9 | 17 | -3.54 | -3.48 | 0.07 (-0.4, 0.54) | 0.8 | -2.51 | -2.55 | -0.04 (-0.52, 0.43) | 0.87 |
|  | Pre-Stressor SAA | 9 | 17 | 73.68 | 84.26 | 10.58 (-2.93, 24.09) | 0.22 | 69.77 | 83.65 | 13.89 (-0.14, 27.91) | 0.14 |
|  | Post-Stressor SAA | 9 | 17 | 141.38 | 141.7 | 0.32 (-8.69, 9.33) | 0.98 | 129.36 | 131.64 | 2.28 (-6.83, 11.39) | 0.93 |
|  | Change in Slope of Cortisol | 8.25 | 17 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 0.96 |
|  | Pre-Stressor Cortisol | 9 | 17 | 0.18 | 0.17 | -0.01 (-0.02, 0.01) | 0.59 | 0.2 | 0.2 | -0.01 (-0.02, 0.01) | 0.44 |
|  | Post-Stressor Cortisol | 8 | 17 | 0.38 | 0.4 | 0.02 (-0.03, 0.07) | 0.83 | 0.43 | 0.45 | 0.02 (-0.03, 0.07) | 0.79 |
|  | Mean Arterial Perssure | 9 | 17 | 64.37 | 64.68 | 0.31 (-0.19, 0.81) | 0.66 | 64.6 | 64.91 | 0.3 (-0.2, 0.81) | 0.75 |
|  | Resting Heart Rate | 9 | 17 | 108.8 | 108.61 | -0.19 (-1.43, 1.05) | 1 | 108.95 | 108.71 | -0.24 (-1.49, 1.02) | 0.85 |
|  | Entire promoter region (39 assayed CpG sites) | 8 | 17 | 0.34 | 0.37 | 0.03 (-0.02, 0.09) | 0.96 | 0.37 | 0.41 | 0.03 (-0.02, 0.09) | 0.84 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 8 | 17 | 0.84 | 0.84 | 0 (0, 0) | 1 | 0.73 | 0.7 | -0.03 (-0.11, 0.06) | 0.78 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| CES-D score at Year 2 | IPF(2a)-III |  |  |  |  | (, ) |  |  |  | (, ) |  |
|  | 2,3-dinor-iPF(a2)-III |  |  |  |  | (, ) |  |  |  | (, ) |  |
|  | iPF(2a)-VI |  |  |  |  | (, ) |  |  |  | (, ) |  |
|  | 8,12-iso-iPF(2a)-VI |  |  |  |  | (, ) |  |  |  | (, ) |  |
|  | Pre to post-stress change in slope of sAA | 9 | 16 | -3.85 | -3.32 | 0.53 (-0.55, 1.61) | 0.8 | -2.75 | -2.25 | 0.5 (-0.58, 1.59) | 0.69 |
|  | Pre-Stressor SAA | 9 | 16 | 74.64 | 78.35 | 3.71 (-0.7, 8.12) | 0.22 | 69.32 | 72.96 | 3.64 (-0.43, 7.71) | 0.14 |
|  | Post-Stressor SAA | 9 | 16.5 | 141.21 | 140.91 | -0.3 (-20.85, 20.24) | 0.98 | 134.98 | 134.19 | -0.78 (-21.54, 19.97) | 0.95 |
|  | Change in Slope of Cortisol | 9 | 17 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 0.96 |
|  | Pre-Stressor Cortisol | 9 | 16 | 0.16 | 0.19 | 0.03 (-0.01, 0.07) | 0.55 | 0.2 | 0.22 | 0.02 (-0.01, 0.06) | 0.44 |
|  | Post-Stressor Cortisol | 9 | 17 | 0.38 | 0.39 | 0.01 (-0.05, 0.07) | 0.83 | 0.42 | 0.44 | 0.01 (-0.05, 0.07) | 0.79 |
|  | Mean Arterial Perssure | 9 | 16 | 64.47 | 64.9 | 0.43 (-0.16, 1.02) | 0.66 | 64.62 | 65.14 | 0.52 (-0.13, 1.17) | 0.75 |
|  | Resting Heart Rate | 9 | 16 | 108.65 | 108.65 | 0 (0, 0) | 1 | 108.83 | 108.17 | -0.67 (-1.68, 0.35) | 0.7 |
|  | Entire promoter region (39 assayed CpG sites) | 9 | 16 | 0.34 | 0.35 | 0.01 (-0.01, 0.02) | 0.99 | 0.41 | 0.41 | 0 (-0.02, 0.02) | 0.84 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 9 | 17 | 0.84 | 0.83 | -0.01 (-0.08, 0.06) | 1 | 0.73 | 0.72 | -0.01 (-0.08, 0.06) | 0.93 |