## 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) | 0.18 | 0.67 | 0.58 | -0.09 (-0.18, -0.01) | 0.07 |
|  | 2,3-dinor-iPF(a2)-III | 0 | 1 | 5.81 | 5.49 | -0.32 (-0.67, 0.03) | 0.15 | 5.25 | 4.90 | -0.35 (-0.69, -0.01) | 0.09 |
|  | iPF(2a)-VI | 0 | 1 | 12.95 | 12.54 | -0.41 (-2.05, 1.24) | 0.64 | 11.41 | 10.77 | -0.64 (-2.3, 1.02) | 0.46 |
|  | 8,12-iso-iPF(2a)-VI | 0 | 1 | 12.85 | 11.82 | -1.04 (-2.47, 0.4) | 0.32 | 11.45 | 9.83 | -1.62 (-3.04, -0.2) | 0.05 |
|  | Pre to post-stress change in slope of sAA | 0 | 1 | -4.01 | -3.32 | 0.69 (-0.21, 1.59) | 0.33 | -3.85 | -3.27 | 0.58 (-0.34, 1.5) | 0.50 |
|  | Pre-Stressor SAA | 0 | 1 | 74.26 | 80.26 | 6.01 (-3.33, 15.35) | 0.26 | 68.13 | 74.89 | 6.76 (-2.69, 16.22) | 0.20 |
|  | Post-Stressor SAA | 0 | 1 | 145.62 | 141.32 | -4.3 (-21.41, 12.81) | 0.98 | 149.88 | 147.07 | -2.81 (-20.29, 14.67) | 0.91 |
|  | Change in Slope of Cortisol | 0 | 1 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 1.00 |
|  | Pre-Stressor Cortisol | 0 | 1 | 0.18 | 0.17 | -0.01 (-0.04, 0.01) | 0.50 | 0.20 | 0.18 | -0.02 (-0.05, 0.01) | 0.33 |
|  | Post-Stressor Cortisol | 0 | 1 | 0.39 | 0.38 | -0.01 (-0.07, 0.04) | 0.89 | 0.43 | 0.42 | -0.01 (-0.07, 0.04) | 0.81 |
|  | Mean Arterial Perssure | 0 | 1 | 64.45 | 64.89 | 0.44 (-0.5, 1.39) | 0.61 | 65.77 | 66.12 | 0.36 (-0.59, 1.3) | 0.58 |
|  | Resting Heart Rate | 0 | 1 | 108.47 | 108.78 | 0.3 (-2.01, 2.62) | 1.00 | 109.45 | 109.54 | 0.09 (-2.26, 2.43) | 0.95 |
|  | Entire promoter region (39 assayed CpG sites) | 0 | 1 | 0.34 | 0.36 | 0.02 (-0.03, 0.06) | 0.68 | 0.41 | 0.43 | 0.01 (-0.03, 0.06) | 0.74 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 0 | 1 | 0.83 | 0.83 | 0 (-0.14, 0.14) | 1.00 | 0.74 | 0.76 | 0.01 (-0.13, 0.15) | 0.87 |

## 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) | 0.33 | -3.45 | -3.9 | -0.45 (-1.04, 0.15) | 0.5 |
|  | Pre-Stressor SAA | 10 | 18 | 71.04 | 78.52 | 7.47 (-6.33, 21.28) | 0.29 | 65.16 | 73.24 | 8.09 (-5.83, 22) | 0.26 |
|  | Post-Stressor SAA | 10 | 18 | 136.65 | 149.65 | 13 (0.61, 25.39) | 0.2 | 143.93 | 154.95 | 11.02 (-0.45, 22.49) | 0.16 |
|  | Change in Slope of Cortisol | 10 | 18 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 1 |
|  | Pre-Stressor Cortisol | 10 | 18 | 0.18 | 0.16 | -0.01 (-0.04, 0.01) | 0.5 | 0.19 | 0.18 | -0.01 (-0.04, 0.01) | 0.33 |
|  | Post-Stressor Cortisol | 10 | 18 | 0.38 | 0.38 | 0 (-0.04, 0.04) | 0.99 | 0.42 | 0.43 | 0 (-0.03, 0.04) | 0.86 |
|  | Mean Arterial Perssure | 10 | 18 | 64.57 | 64.84 | 0.27 (-0.94, 1.48) | 0.85 | 65.88 | 66.23 | 0.35 (-0.85, 1.55) | 0.58 |
|  | Resting Heart Rate | 10 | 18 | 108.64 | 108.64 | 0 (0, 0) | 1 | 109.06 | 109.5 | 0.44 (-1.23, 2.12) | 0.95 |
|  | Entire promoter region (39 assayed CpG sites) | 10 | 18 | 0.35 | 0.34 | -0.02 (-0.05, 0.02) | 0.68 | 0.43 | 0.41 | -0.02 (-0.05, 0.01) | 0.58 |
|  | 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 | -0.04 (-0.14, 0.07) | 0.64 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 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 | -3.65 | -3.76 | -0.11 (-0.83, 0.61) | 0.88 |
|  | Pre-Stressor SAA | 15 | 22 | 71.55 | 81.79 | 10.24 (2.7, 17.78) | 0.04 | 68.75 | 78.88 | 10.13 (2.78, 17.48) | 0.03 |
|  | Post-Stressor SAA | 15 | 22 | 137.68 | 149.51 | 11.84 (-1.86, 25.53) | 0.22 | 125.89 | 138.75 | 12.86 (-0.85, 26.57) | 0.16 |
|  | Change in Slope of Cortisol | 14 | 22 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 1 |
|  | Pre-Stressor Cortisol | 15 | 22 | 0.17 | 0.22 | 0.05 (-0.01, 0.1) | 0.39 | 0.17 | 0.22 | 0.05 (-0.01, 0.11) | 0.33 |
|  | Post-Stressor Cortisol | 14 | 22 | 0.38 | 0.41 | 0.03 (-0.01, 0.08) | 0.81 | 0.41 | 0.46 | 0.05 (0, 0.1) | 0.32 |
|  | Mean Arterial Perssure | 15 | 22 | 64.95 | 64.93 | -0.02 (-0.77, 0.72) | 0.95 | 66.46 | 66.09 | -0.38 (-1.11, 0.36) | 0.53 |
|  | Resting Heart Rate | 15 | 22 | 108.89 | 110.04 | 1.15 (-0.68, 2.98) | 1 | 110.93 | 112.13 | 1.2 (-0.62, 3.01) | 0.58 |
|  | Entire promoter region (39 assayed CpG sites) | 15 | 22 | 0.37 | 0.37 | 0 (-0.04, 0.04) | 0.99 | 0.49 | 0.48 | 0 (-0.04, 0.03) | 0.87 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 15 | 22 | 0.92 | 0.82 | -0.1 (-0.22, 0.01) | 0.34 | 0.71 | 0.58 | -0.12 (-0.24, -0.01) | 0.08 |

## 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) | 0.19 | 0.63 | 0.65 | 0.03 (-0.01, 0.07) | 0.2 |
|  | 2,3-dinor-iPF(a2)-III | 9 | 17 | 5.57 | 5.64 | 0.06 (-0.11, 0.24) | 0.47 | 4.98 | 5.08 | 0.1 (-0.07, 0.27) | 0.27 |
|  | iPF(2a)-VI | 9 | 17 | 12.53 | 13.18 | 0.66 (-0.14, 1.46) | 0.21 | 10.86 | 11.52 | 0.66 (-0.14, 1.46) | 0.21 |
|  | 8,12-iso-iPF(2a)-VI | 9 | 17 | 12.24 | 12.56 | 0.32 (-0.39, 1.03) | 0.38 | 10.79 | 11.09 | 0.3 (-0.41, 1.02) | 0.41 |
|  | Pre to post-stress change in slope of sAA | 9 | 17 | -3.54 | -3.48 | 0.07 (-0.4, 0.54) | 0.8 | -3.49 | -3.45 | 0.04 (-0.45, 0.53) | 0.88 |
|  | Pre-Stressor SAA | 9 | 17 | 73.68 | 84.26 | 10.58 (-2.93, 24.09) | 0.21 | 67.52 | 80.72 | 13.2 (-0.86, 27.26) | 0.14 |
|  | Post-Stressor SAA | 9 | 17 | 141.38 | 141.7 | 0.32 (-8.69, 9.33) | 0.98 | 143.11 | 144.56 | 1.45 (-7.89, 10.79) | 0.91 |
|  | Change in Slope of Cortisol | 8.25 | 17 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 1 |
|  | Pre-Stressor Cortisol | 9 | 17 | 0.18 | 0.17 | -0.01 (-0.02, 0.01) | 0.53 | 0.2 | 0.19 | -0.01 (-0.02, 0.01) | 0.52 |
|  | Post-Stressor Cortisol | 8 | 17 | 0.38 | 0.4 | 0.02 (-0.03, 0.07) | 0.89 | 0.43 | 0.44 | 0.02 (-0.03, 0.07) | 0.81 |
|  | Mean Arterial Perssure | 9 | 17 | 64.37 | 64.68 | 0.31 (-0.19, 0.81) | 0.58 | 65.82 | 66.15 | 0.33 (-0.17, 0.83) | 0.48 |
|  | Resting Heart Rate | 9 | 17 | 108.8 | 108.61 | -0.19 (-1.43, 1.05) | 1 | 110.01 | 109.83 | -0.18 (-1.44, 1.08) | 0.95 |
|  | Entire promoter region (39 assayed CpG sites) | 8 | 17 | 0.34 | 0.37 | 0.03 (-0.02, 0.09) | 0.68 | 0.34 | 0.38 | 0.04 (-0.02, 0.1) | 0.58 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 8 | 17 | 0.84 | 0.84 | 0 (0, 0) | 1 | 0.77 | 0.73 | -0.04 (-0.13, 0.04) | 0.54 |
|  | Pre to post-stress change in slope of sAA | 9 | 16 | -3.85 | -3.32 | 0.53 (-0.55, 1.61) | 0.57 | -3.78 | -3.18 | 0.6 (-0.52, 1.71) | 0.5 |
|  | Pre-Stressor SAA | 9 | 16 | 74.64 | 78.35 | 3.71 (-0.7, 8.12) | 0.21 | 69.83 | 73.54 | 3.71 (-0.49, 7.91) | 0.14 |
|  | Post-Stressor SAA | 9 | 16.5 | 141.21 | 140.91 | -0.3 (-20.85, 20.24) | 0.98 | 145.11 | 143.75 | -1.36 (-22.95, 20.22) | 0.91 |
|  | Change in Slope of Cortisol | 9 | 17 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | -0.01 | -0.01 | 0 (0, 0) | 1 |
|  | Pre-Stressor Cortisol | 9 | 16 | 0.16 | 0.19 | 0.03 (-0.01, 0.07) | 0.39 | 0.18 | 0.21 | 0.03 (-0.01, 0.07) | 0.33 |
|  | Post-Stressor Cortisol | 9 | 17 | 0.38 | 0.39 | 0.01 (-0.05, 0.07) | 0.89 | 0.42 | 0.44 | 0.02 (-0.04, 0.08) | 0.81 |
|  | Mean Arterial Perssure | 9 | 16 | 64.47 | 64.9 | 0.43 (-0.16, 1.02) | 0.58 | 65.77 | 66.22 | 0.45 (-0.17, 1.08) | 0.48 |
|  | Resting Heart Rate | 9 | 16 | 108.65 | 108.65 | 0 (0, 0) | 1 | 110.15 | 109.5 | -0.65 (-1.7, 0.41) | 0.58 |
|  | Entire promoter region (39 assayed CpG sites) | 9 | 16 | 0.34 | 0.35 | 0.01 (-0.01, 0.02) | 0.74 | 0.41 | 0.42 | 0.01 (-0.01, 0.02) | 0.74 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 9 | 17 | 0.84 | 0.83 | -0.01 (-0.08, 0.06) | 1 | 0.79 | 0.79 | 0 (0, 0.01) | 0 |