## Table 1

| Exposure to IPV | Outcome | N | Outcome, 75th Percentile v. 25th Percentile | | | |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Adjusted | | | |
|  |  |  | Predicted Outcome with no maternal IPV exposure | Predicted Outcome with maternal IPV exposure | Coefficient (95% CI) | P-value |
| Maternal Exposure to IPV at any time | IPF(2a)-III | 584 | -0.54 | -0.62 | -0.08 (-0.17, 0.01) | 0.1\* |
|  | 2,3-dinor-iPF(a2)-III | 580 | 1.69 | 1.65 | -0.04 (-0.09, 0.01) | 0.11\* |
|  | iPF(2a)-VI | 584 | 2.60 | 2.55 | -0.05 (-0.12, 0.03) | 0.21 |
|  | 8,12-iso-iPF(2a)-VI | 582 | 2.43 | 2.33 | -0.1 (-0.19, -0.01) | 0.03\* |
|  | Compiled F2-isoprostanes Score | 582 | 3.01 | 2.87 | -0.13 (-0.26, -0.01) | 0.04\* |
|  | Pre to post-stress change in slope of sAA | 668 | 2.52 | 2.02 | -0.49 (-1.41, 0.43) | 0.3 |
|  | Pre-Stressor SAA | 712 | 3.88 | 3.93 | 0.05 (-0.08, 0.18) | 0.45 |
|  | Post-Stressor SAA | 686 | 4.53 | 4.52 | 0 (-0.15, 0.14) | 0.95 |
|  | Change in Slope of Cortisol | 659 | 0.01 | 0.01 | 0 (0, 0) | 0.99 |
|  | Pre-Stressor Cortisol | 720 | -1.92 | -2.00 | -0.08 (-0.19, 0.02) | 0.12 |
|  | Post-Stressor Cortisol | 665 | -1.18 | -1.30 | -0.12 (-0.27, 0.02) | 0.1 |
|  | Mean Arterial Pressure | 1,451 | 65.29 | 65.50 | 0.21 (-0.5, 0.93) | 0.57 |
|  | Resting Heart Rate | 1,445 | 110.29 | 110.81 | 0.52 (-1.19, 2.24) | 0.56 |
|  | Entire promoter region (39 assayed CpG sites) | 679 | -5.83 | -5.80 | 0.03 (-0.08, 0.14) | 0.59 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 405 | -4.44 | -4.44 | 0 (-0.08, 0.09) | 0.97 |
| 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 | | | | | | |

## Table 2

| Parental Stress | 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 |
| Maternal Perceived Stress | Pre to post-stress change in slope of sAA | 670 | 10.25 | 18 | 1.99 | 2.5 | 0.52 (-0.14, 1.18) | 0.12 |
|  | Pre-Stressor SAA | 714 | 10 | 18 | 3.78 | 3.95 | 0.17 (-0.01, 0.35) | 0.07 |
|  | Post-Stressor SAA | 688 | 10 | 18 | 4.47 | 4.59 | 0.13 (0.02, 0.23) | 0.02 |
|  | Change in Slope of Cortisol | 661 | 10 | 18 | 0.01 | 0.01 | 0 (0, 0) | 0.59 |
|  | Pre-Stressor Cortisol | 722 | 10 | 18 | -1.96 | -1.97 | -0.01 (-0.08, 0.07) | 0.87 |
|  | Post-Stressor Cortisol | 667 | 10 | 18 | -1.28 | -1.26 | 0.02 (-0.1, 0.14) | 0.75 |
|  | Mean Arterial Pressure | 1456 | 10 | 17.25 | 65.29 | 65.55 | 0.25 (-0.2, 0.69) | 0.28 |
|  | Resting Heart Rate | 1450 | 10 | 17 | 110.29 | 111.1 | 0.81 (-0.25, 1.86) | 0.13 |
|  | Entire promoter region (39 assayed CpG sites) | 681 | 10 | 18 | -5.82 | -5.81 | 0.01 (-0.12, 0.14) | 0.9 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 406 | 10 | 18 | -4.44 | -4.45 | -0.02 (-0.08, 0.05) | 0.62 |
|  |  |  |  |  |  |  |  |  |
| Paternal Perceived Stress | Pre to post-stress change in slope of sAA | 496 | 15 | 22 | 2.39 | 2.61 | 0.22 (-0.5, 0.95) | 0.56 |
|  | Pre-Stressor SAA | 523 | 15 | 22 | 3.9 | 3.99 | 0.09 (-0.01, 0.19) | 0.09 |
|  | Post-Stressor SAA | 507 | 15 | 22 | 4.49 | 4.59 | 0.1 (-0.01, 0.22) | 0.07 |
|  | Change in Slope of Cortisol | 482 | 14 | 22 | 0.01 | 0.01 | 0 (0, 0) | 0.82 |
|  | Pre-Stressor Cortisol | 529 | 15 | 22 | -1.96 | -1.88 | 0.08 (0, 0.17) | 0.05 |
|  | Post-Stressor Cortisol | 486 | 14 | 22 | -1.25 | -1.18 | 0.07 (-0.06, 0.21) | 0.27 |
|  | Mean Arterial Pressure | 1052 | 15 | 22 | 65.19 | 64.53 | -0.66 (-1.25, -0.07) | 0.03 |
|  | Resting Heart Rate | 1051 | 15 | 22 | 106.97 | 108.72 | 1.75 (0.4, 3.1) | 0.01 |
|  | Entire promoter region (39 assayed CpG sites) | 507 | 15 | 22 | -5.69 | -5.74 | -0.05 (-0.17, 0.07) | 0.43 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 302 | 14 | 21.75 | -4.33 | -4.44 | -0.11 (-0.27, 0.05) | 0.19 |
| 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 | | | | | | | | |

## Table 3

| Maternal Depression | 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 |
| CES-D score at Year 1 | IPF(2a)-III | 683 | 6 | 16 | -0.53 | -0.55 | -0.02 (-0.1, 0.06) | 0.6 |
|  | 2,3-dinor-iPF(a2)-III | 676 | 6 | 16 | 1.67 | 1.7 | 0.03 (0, 0.05) | 0.09\* |
|  | iPF(2a)-VI | 683 | 6 | 16 | 2.54 | 2.59 | 0.05 (0.01, 0.09) | 0.02\* |
|  | 8,12-iso-iPF(2a)-VI | 680 | 6 | 16 | 2.4 | 2.44 | 0.04 (-0.01, 0.09) | 0.1\* |
|  | Compiled F2-isoprostanes Score | 680 | 6 | 16 | 2.78 | 2.86 | 0.09 (0.01, 0.16) | 0.02\* |
|  | Pre to post-stress change in slope of sAA | 682 | 6 | 16 | 1.9 | 3.32 | 1.42 (0.25, 2.59) | 0.02\* |
|  | Pre-Stressor SAA | 729 | 6 | 16 | 3.86 | 3.91 | 0.05 (-0.03, 0.12) | 0.23 |
|  | Post-Stressor SAA | 699 | 6 | 16 | 4.42 | 4.52 | 0.1 (0.01, 0.18) | 0.03\* |
|  | Change in Slope of Cortisol | 676 | 6 | 16 | 0.01 | 0.01 | 0 (0, 0) | 0.16 |
|  | Pre-Stressor Cortisol | 737 | 6 | 16 | -1.95 | -1.98 | -0.03 (-0.09, 0.03) | 0.34 |
|  | Post-Stressor Cortisol | 682 | 6 | 16 | -1.16 | -1.27 | -0.1 (-0.2, -0.01) | 0.03\* |
|  | Mean Arterial Pressure | 1485 | 6 | 16 | 64.93 | 65.4 | 0.47 (0.05, 0.89) | 0.03\* |
|  | Resting Heart Rate | 1482 | 6 | 16 | 107.04 | 108.23 | 1.19 (-1.25, 3.64) | 0.34 |
|  | Entire promoter region (39 assayed CpG sites) | 688 | 6 | 15 | -5.82 | -5.88 | -0.07 (-0.23, 0.09) | 0.43 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 414 | 5.25 | 15 | -4.41 | -4.45 | -0.04 (-0.09, 0.01) | 0.14 |
|  |  |  |  |  |  |  |  |  |
| CES-D score at Year 2 | Pre to post-stress change in slope of sAA | 669 | 5 | 17 | 2.74 | 1.59 | -1.15 (-2.57, 0.28) | 0.11 |
|  | Pre-Stressor SAA | 713 | 5 | 17 | 3.84 | 3.92 | 0.08 (0.01, 0.16) | 0.03 |
|  | Post-Stressor SAA | 687 | 5 | 17 | 4.56 | 4.42 | -0.14 (-0.33, 0.04) | 0.13 |
|  | Change in Slope of Cortisol | 660 | 5 | 17 | 0.01 | 0.01 | 0 (0, 0) | 0.3 |
|  | Pre-Stressor Cortisol | 721 | 5 | 17 | -1.92 | -2 | -0.08 (-0.17, 0.01) | 0.1 |
|  | Post-Stressor Cortisol | 666 | 5 | 17 | -1.2 | -1.33 | -0.12 (-0.35, 0.1) | 0.29 |
|  | Mean Arterial Pressure | 1455 | 5 | 17 | 65.29 | 65.44 | 0.16 (-0.26, 0.58) | 0.47 |
|  | Resting Heart Rate | 1449 | 5 | 17 | 110.55 | 110.68 | 0.13 (-0.87, 1.13) | 0.81 |
|  | Entire promoter region (39 assayed CpG sites) | 680 | 5 | 17 | -5.82 | -5.81 | 0.01 (-0.05, 0.07) | 0.83 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 406 | 5 | 17 | -4.43 | -4.45 | -0.02 (-0.07, 0.03) | 0.48 |
|  |  |  |  |  |  |  |  |  |
| Binary CES-D at Year 1 | IPF(2a)-III | 683 | 0 | 1 | -0.54 | -0.48 | 0.05 (-0.04, 0.14) | 0.25 |
|  | 2,3-dinor-iPF(a2)-III | 676 | 0 | 1 | 1.68 | 1.72 | 0.04 (-0.01, 0.09) | 0.13 |
|  | iPF(2a)-VI | 683 | 0 | 1 | 2.56 | 2.61 | 0.05 (-0.02, 0.12) | 0.17 |
|  | 8,12-iso-iPF(2a)-VI | 680 | 0 | 1 | 2.4 | 2.47 | 0.06 (-0.03, 0.15) | 0.18 |
|  | Compiled F2-isoprostanes Score | 680 | 0 | 1 | 2.79 | 2.91 | 0.11 (-0.01, 0.24) | 0.08\* |
|  | Pre to post-stress change in slope of sAA | 682 | 0 | 1 | 2.04 | 2.32 | 0.29 (-0.72, 1.29) | 0.59 |
|  | Pre-Stressor SAA | 729 | 0 | 1 | 3.88 | 3.92 | 0.04 (-0.1, 0.19) | 0.55 |
|  | Post-Stressor SAA | 699 | 0 | 1 | 4.44 | 4.58 | 0.14 (-0.02, 0.3) | 0.08\* |
|  | Change in Slope of Cortisol | 676 | 0 | 1 | 0.01 | 0.01 | 0 (0, 0) | 0.02\* |
|  | Pre-Stressor Cortisol | 737 | 0 | 1 | -1.95 | -2.01 | -0.06 (-0.18, 0.05) | 0.28 |
|  | Post-Stressor Cortisol | 682 | 0 | 1 | -1.17 | -1.35 | -0.18 (-0.34, -0.02) | 0.03\* |
|  | Mean Arterial Pressure | 1485 | 0 | 1 | 65.02 | 65.51 | 0.5 (-0.31, 1.31) | 0.23 |
|  | Resting Heart Rate | 1482 | 0 | 1 | 107.65 | 107.11 | -0.54 (-2.49, 1.41) | 0.6 |
|  | Entire promoter region (39 assayed CpG sites) | 688 | 0 | 1 | -5.79 | -5.74 | 0.04 (-0.08, 0.16) | 0.51 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 414 | 0 | 1 | -4.42 | -4.47 | -0.05 (-0.15, 0.05) | 0.31 |
|  |  |  |  |  |  |  |  |  |
| Binary CES-D at Year 2 | Pre to post-stress change in slope of sAA | 669 | 0 | 1 | 2.26 | 2.05 | -0.2 (-1.22, 0.81) | 0.71 |
|  | Pre-Stressor SAA | 713 | 0 | 1 | 3.86 | 3.98 | 0.13 (-0.02, 0.27) | 0.08 |
|  | Post-Stressor SAA | 687 | 0 | 1 | 4.45 | 4.56 | 0.11 (-0.06, 0.27) | 0.2 |
|  | Change in Slope of Cortisol | 660 | 0 | 1 | 0.01 | 0.01 | 0 (0, 0) | 0.57 |
|  | Pre-Stressor Cortisol | 721 | 0 | 1 | -1.96 | -1.99 | -0.03 (-0.15, 0.09) | 0.64 |
|  | Post-Stressor Cortisol | 666 | 0 | 1 | -1.24 | -1.3 | -0.07 (-0.23, 0.09) | 0.41 |
|  | Mean Arterial Pressure | 1455 | 0 | 1 | 65.3 | 65.63 | 0.33 (-0.48, 1.14) | 0.44 |
|  | Resting Heart Rate | 1449 | 0 | 1 | 110.57 | 110.82 | 0.25 (-1.68, 2.18) | 0.81 |
|  | Entire promoter region (39 assayed CpG sites) | 680 | 0 | 1 | -5.82 | -5.8 | 0.02 (-0.1, 0.14) | 0.76 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 406 | 0 | 1 | -4.43 | -4.46 | -0.03 (-0.13, 0.06) | 0.54 |
| 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 | | | | | | | | |