**Appendix**

**Appendix Table 1**

*Mean Fetal/Child Age at Assessment*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Prenatal (Gestational Weeks) | | | | |  | Postnatal (Months) | | | |
| Mean Fetal/Child Age | 15.63 (1.16) | 19.74 (1.06) | 25.74 (1.03) | 31.07 (0.89) | 36.83 (0.93) |  | 3.10 (0.50) | 6.06 (0.34) | 12.12 (0.32) | 24.17 (0.41) |

Values presented as Means (SD)

**Appendix Table 2**

*Mean Levels of Maternal Depression, Anxiety, Stress, and Distress Composites Across Prenatal and Postnatal Time points.*

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Prenatal (Gestational Weeks) | | | | | | Postnatal (Months) | | | | |
|  | 15 | 19 | 25 | 31 | 36 | Composite | 3 | 6 | 12 | 24 | Composite |
| CES-D | 5.06 (4.44) | 4.44 (4.05) | 4.91 (4.64) | 5.53 (4.42) | 6.50 (5.17) | 5.21  (3.84) | 4.02 (3.95) | 4.05 (4.48) | 3.77 (4.49) | 4.29 (4.63) | 4.02  (3.57) |
| STAI | 17.07 (5.34) | 16.84 (5.25) | 16.46 (5.27) | 16.86 (5.39) | 17.35 (5.71) | 16.95  (4.56) | 16.81 (4.68) | 16.12 (4.98) | 16.65 (5.31) | 16.73 (5.51) | 16.60 (4.19) |
| PSS | 11.39 (6.43) | 10.45 (5.83) | 10.53 (6.97) | 10.31 (6.78) | 10.96 (6.43) | 10.72  (5.66) | 10.83 (6.56) | 9.93 (6.30) | 9.86 (5.94) | 10.81 (6.28) | 10.40 (5.20) |

Values presented as Means (SD)

**Appendix Table 3**

*Correlations between Prenatal Stress, Depression, and Anxiety Composites and Child Cognitive Function and Negative Emotionality*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | 1 | 2 | 3 | 4 | 5 |
| 1. Depression Composite | — |  |  |  |  |
| 2. Stress Composite | .792\*\* | — |  |  |  |
| 3. Anxiety Composite | .842\*\* | .792\*\* | — |  |  |
| 4. Cognitive Function | -.242\*\* | -.300\*\* | -.245\*\* | — |  |
| 5. Negative Emotionality | .259\*\* | .315\*\* | .210\* | -.323\*\* | — |

\*p < .05. \*\*p < .01.

**Appendix Table 4a**

*Correlations Between Depression (CESD) at Each Prenatal Timepoint, Prenatal Psychological Distress, Child Cognitive Function, and Child Negative Emotionality*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. CESD 15 wks | — | .746\*\* | .661\*\* | .625\*\* | .533\*\* | .792\*\* | -.234\*\* | .289\*\* |
| 2. CESD 19 wks | .746\*\* | — | .669\*\* | .654\*\* | .575\*\* | .811\*\* | -0.137 | .241\*\* |
| 3. CESD 25 wks | .661\*\* | .669\*\* | — | .579\*\* | .638\*\* | .815\*\* | -.252\*\* | .274\*\* |
| 4. CESD 31 wks | .625\*\* | .654\*\* | .579\*\* | — | .665\*\* | .774\*\* | -.214\* | 0.143 |
| 5. CESD 36 wks | .533\*\* | .575\*\* | .638\*\* | .665\*\* | — | .796\*\* | -.207\* | .227\* |
| 6. Prenatal Psychological Distress | .792\*\* | .811\*\* | .815\*\* | .774\*\* | .796\*\* | — | -.281\*\* | .281\*\* |
| 7. Cognitive Function 2 yrs | -.234\*\* | -0.137 | -.252\*\* | -.214\* | -.207\* | -.281\*\* | — | -.323\*\* |
| 8. Negative Emotionality 2yrs | .289\*\* | .241\*\* | .274\*\* | 0.143 | .227\* | .281\*\* | -.323\*\* | — |

\*p < .05. \*\*p < .01.

**Appendix Table 4b**

*Correlations Between Anxiety (STAI) at Each Prenatal Timepoint, Prenatal Psychological Distress Composite, Child Cognitive Function, and Child Negative Emotionality*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. STAI 15 wks | — | .744\*\* | .626\*\* | .637\*\* | .668\*\* | .824\*\* | -.244\*\* | 0.165 |
| 2. STAI 19 wks | .744\*\* | — | .620\*\* | .620\*\* | .598\*\* | .788\*\* | -0.113 | 0.148 |
| 3. STAI 25 wks | .626\*\* | .620\*\* | — | .603\*\* | .679\*\* | .796\*\* | -0.167 | .189\* |
| 4. STAI 31 wks | .637\*\* | .620\*\* | .603\*\* | — | .719\*\* | .792\*\* | -.241\*\* | .257\*\* |
| 5. STAI 36 wks | .668\*\* | .598\*\* | .679\*\* | .719\*\* | — | .801\*\* | -.266\*\* | 0.143 |
| 6. Prenatal Psychological Distress | .824\*\* | .788\*\* | .796\*\* | .792\*\* | .801\*\* | — | -.281\*\* | .281\*\* |
| 7. Cognitive Function 2 yrs | -.244\*\* | -0.113 | -0.167 | -.241\*\* | -.266\*\* | -.281\*\* | — | -.323\*\* |
| 8. Negative Emotionality 2 yrs | 0.165 | 0.148 | .189\* | .257\*\* | 0.143 | .281\*\* | -.323\*\* | — |

\*p < .05. \*\*p < .01.

**Appendix Table 4c**

*Correlations Between Perceived Stress (PSS) at Each Prenatal Timepoint, Prenatal Psychological Distress Composite, Child Cognitive Function, and Child Negative Emotionality*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. PSS 15 wks | — | .747\*\* | .660\*\* | .706\*\* | .630\*\* | .802\*\* | -.289\*\* | .323\*\* |
| 2. PSS 19 wks | .747\*\* | — | .696\*\* | .707\*\* | .625\*\* | .796\*\* | -.220\* | .307\*\* |
| 3. PSS 25 wks | .660\*\* | .696\*\* | — | .725\*\* | .690\*\* | .816\*\* | -.266\*\* | .287\*\* |
| 4. PSS 31 wks | .706\*\* | .707\*\* | .725\*\* | — | .739\*\* | .820\*\* | -.260\*\* | .334\*\* |
| 5. PSS 36 wks | .630\*\* | .625\*\* | .690\*\* | .739\*\* | — | .786\*\* | -.236\*\* | 0.134 |
| 6. Prenatal Psychological Distress | .802\*\* | .796\*\* | .816\*\* | .820\*\* | .786\*\* | — | -.281\*\* | .281\*\* |
| 7. Cognitive Function 2 yrs | -.289\*\* | -.220\* | -.266\*\* | -.260\*\* | -.236\*\* | -.281\*\* | — | -.323\*\* |
| 8. Negative Emotionality 2 yrs | .323\*\* | .307\*\* | .287\*\* | .334\*\* | 0.134 | .281\*\* | -.323\*\* | — |

\*p < .05. \*\*p < .01.

**Appendix Table 5**

*Correlations for Psychological Distress at Each Timepoint*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Distress 15 wks | — |  |  |  |  |  |  |
| 2. Distress 19 wks | .804\*\* | — |  |  |  |  |  |
| 3. Distress 25 wks | .714\*\* | .717\*\* | — |  |  |  |  |
| 4. Distress 31 wks | .742\*\* | .724\*\* | .718\*\* | — |  |  |  |
| 5. Distress 36 wks | .701\*\* | .666\*\* | .722\*\* | .776\*\* | — |  |  |
| 6. Cognitive Function 2yrs | -.295\*\* | -.173\* | -.251\*\* | -.267\*\* | -.263\*\* | — |  |
| 7. Negative Emotionality 2yrs | .300\*\* | .248\*\* | .269\*\* | .280\*\* | 0.161 | -.323\*\* | — |

\*p < .05. \*\*p < .01.

**Appendix Table 6**

*Percent Missing Data for Each Timepoint*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Timepoint** | **N** | **% Missing Data** |
| **Depression (CESD)** | Prenatal | 15 weeks | 125 | 11 |
| 19 weeks | 135 | 1 |
| 25 weeks | 135 | 1 |
| 31 weeks | 135 | 1 |
| 36 weeks | 98 | 38\* |
| Postnatal | 3 months | 128 | 8 |
| 6 months | 129 | 7 |
| 1 year | 128 | 8 |
| 2 years | 132 | 4 |
| **Perceived Stress (PSS)** | Prenatal | 15 weeks | 131 | 5 |
| 19 weeks | 134 | 2 |
| 25 weeks | 135 | 1 |
| 31 weeks | 135 | 1 |
| 36 weeks | 129 | 7 |
| Postnatal | 3 months | 129 | 7 |
| 6 months | 131 | 5 |
| 1 year | 130 | 6 |
| 2 years | 135 | 1 |
| **Anxiety (STAI)** | Prenatal | 15 weeks | 124 | 12 |
| 19 weeks | 135 | 1 |
| 25 weeks | 134 | 2 |
| 31 weeks | 135 | 1 |
| 36 weeks | 127 | 9 |
| Postnatal | 3 months | 129 | 7 |
| 6 months | 130 | 6 |
| 1 year | 130 | 6 |
| 2 years | 134 | 2 |
| **Maternal Sensitivity Composite** |  | 6 months | 126 | 10 |
| 1 year | 125 | 11 |

**\***Due to an administrative/data collection error, some participants were not administered CESD at 36 weeks

**Appendix Table 7**

*Correlations between Sociodemographic Covariates, Prenatal Distress, Maternal Care, and Child Outcomes*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 1. Gestational Age at Birth (GAB) | — | -0.082 | 0.156 | -.192\* | -0.051 | 0.052 | -0.107 | -0.065 | -0.080 | 0.036 | 0.009 | 0.063 | -0.130 | -0.156 | .196\* | 0.163 | -0.101 |
| 2. Maternal Age | -0.082 | — | .589\*\* | .190\* | .197\* | .316\*\* | -0.045 | .239\*\* | -.279\*\* | 0.145 | 0.160 | -0.108 | -.295\*\* | -.206\* | .287\*\* | .238\*\* | -.298\*\* |
| 3. SES | 0.156 | .589\*\* | — | -.203\* | .353\*\* | .556\*\* | -0.075 | .250\*\* | -.323\*\* | -0.033 | 0.107 | -0.027 | -.450\*\* | -.401\*\* | .496\*\* | .500\*\* | -.367\*\* |
| 4. Parity | -.192\* | .190\* | -.203\* | — | 0.123 | -.297\*\* | 0.061 | -.184\* | .218\* | 0.073 | 0.033 | 0.073 | -0.037 | -0.010 | -.352\*\* | -.279\*\* | 0.098 |
| 5. Cohabitation | -0.051 | .197\* | .353\*\* | 0.123 | — | 0.159 | -0.010 | -0.020 | 0.045 | -0.023 | .184\* | -0.097 | -.422\*\* | -.301\*\* | 0.145 | .202\* | -.197\* |
| 6. Index of Intelligence (WAIS) | 0.052 | .316\*\* | .556\*\* | -.297\*\* | 0.159 | — | -.305\*\* | .364\*\* | -.450\*\* | -0.005 | 0.030 | 0.000 | -.317\*\* | -.191\* | .461\*\* | .474\*\* | -.352\*\* |
| 7. Obstetric Risk | -0.107 | -0.045 | -0.075 | 0.061 | -0.010 | -.305\*\* | — | -.235\*\* | .221\*\* | -0.040 | -0.060 | 0.011 | -0.001 | -0.094 | -0.167 | -0.165 | 0.105 |
| 8. Non-Hispanic White | -0.065 | .239\*\* | .250\*\* | -.184\* | -0.020 | .364\*\* | -.235\*\* | — | -.655\*\* | 0.027 | 0.054 | -0.046 | 0.031 | 0.086 | .253\*\* | .220\* | -.355\*\* |
| 9. Latina | -0.080 | -.279\*\* | -.323\*\* | .218\* | 0.045 | -.450\*\* | .221\*\* | -.655\*\* | — | -0.106 | -0.060 | 0.105 | -0.069 | -0.093 | -.333\*\* | -.329\*\* | .331\*\* |
| 10. Child Sex (male) | 0.036 | 0.145 | -0.033 | 0.073 | -0.023 | -0.005 | -0.040 | 0.027 | -0.106 | — | 0.110 | -0.075 | 0.069 | 0.100 | -0.015 | -.199\* | 0.019 |
| 11. Apgar Score at 5 min | 0.009 | 0.160 | 0.107 | 0.033 | .184\* | 0.030 | -0.060 | 0.054 | -0.060 | 0.110 | — | -0.007 | 0.009 | 0.009 | 0.017 | 0.030 | -0.016 |
| 12. Birthweight Percentile by Sex | 0.063 | -0.108 | -0.027 | 0.073 | -0.097 | 0.000 | 0.011 | -0.046 | 0.105 | -0.075 | -0.007 | — | -0.007 | -0.045 | -0.050 | -0.019 | -0.034 |
| 13. Prenatal Distress | -0.130 | -.295\*\* | -.450\*\* | -0.037 | -.422\*\* | -.317\*\* | -0.001 | 0.031 | -0.069 | 0.069 | 0.009 | -0.007 | — | .802\*\* | -.239\*\* | -.281\*\* | .281\*\* |
| 14. Postnatal Distress | -0.156 | -.206\* | -.401\*\* | -0.010 | -.301\*\* | -.191\* | -0.094 | 0.086 | -0.093 | 0.100 | 0.009 | -0.045 | .802\*\* | — | -.212\* | -.257\*\* | .253\*\* |
| 15. Maternal Sensitivity Composite | .196\* | .287\*\* | .496\*\* | -.352\*\* | 0.145 | .461\*\* | -0.167 | .253\*\* | -.333\*\* | -0.015 | 0.017 | -0.050 | -.239\*\* | -.212\* | — | .468\*\* | -.241\*\* |
| 16. Cognitive Function | 0.163 | .238\*\* | .500\*\* | -.279\*\* | .202\* | .474\*\* | -0.165 | .220\* | -.329\*\* | -.199\* | 0.030 | -0.019 | -.281\*\* | -.257\*\* | .468\*\* | — | -.323\*\* |
| 17. Negative Emotionality | -0.101 | -.298\*\* | -.367\*\* | 0.098 | -.197\* | -.352\*\* | 0.105 | -.355\*\* | .331\*\* | 0.019 | -0.016 | -0.034 | .281\*\* | .253\*\* | -.241\*\* | -.323\*\* | — |

\*p < .05. \*\*p < .01.

***Appendix Tables 7-8: Analyses using Individual Distress Subscales (Depressive Symptoms, Anxiety Symptoms, & Perceived Stress)***

**Appendix Table 7a**

*Regression Models Examining the Association Between Prenatal Maternal Depressive Symptoms and Child Cognitive Function, Including Postnatal Maternal Depressive Symptoms*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Depression | | | Model 2: Prenatal Depression and Sensitivity Composite | | | Model 3: Interaction | | |
|
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | 0.084 | 0.336 | 0.025 | -0.020 | 0.335 | -0.006 | 0.003 | 0.333 | 0.001 |
| SES | 2.147† | 1.158 | 0.224 | 1.748 | 1.157 | 0.183 | 1.834 | 1.152 | 0.191 |
| Parity | -2.381 | 1.742 | -0.119 | -1.494 | 1.768 | -0.075 | -1.568 | 1.758 | -0.078 |
| Cohabitation with Child’s Father | 4.975 | 4.785 | 0.090 | 4.349 | 4.726 | 0.079 | 2.723 | 4.816 | 0.050 |
| Index of Intelligence (WAIS) | 0.185† | 0.096 | 0.194 | 0.161† | 0.096 | 0.169 | 0.145 | 0.096 | 0.152 |
| Obstetric Risk | -1.812 | 2.836 | -0.050 | -1.692 | 2.796 | -0.046 | -1.768 | 2.780 | -0.049 |
| Non-Hispanic White | -1.495 | 3.220 | -0.046 | -1.689 | 3.176 | -0.052 | -2.145 | 3.171 | -0.066 |
| Latina | -6.286† | 3.705 | -0.177 | -5.641 | 3.665 | -0.158 | -6.261† | 3.666 | -0.176 |
| Gestational Age at Birth (GAB) | 0.871 | 1.023 | 0.067 | 0.644 | 1.014 | 0.049 | 0.540 | 1.011 | 0.041 |
| Child Sex (male) | -6.490\* | 2.485 | -0.196 | -6.253\* | 2.452 | -0.189 | -6.360\* | 2.439 | -0.192 |
| Postnatal Depression | -0.310 | 0.523 | -0.068 | -0.300 | 0.515 | -0.066 | -0.334 | 0.513 | -0.073 |
| Prenatal Depression | 0.042 | 0.551 | 0.010 | 0.035 | 0.543 | 0.008 | 0.033 | 0.540 | 0.008 |
| Sensitivity Composite |  |  |  | 2.615\* | 1.235 | 0.191 | 2.817\* | 1.235 | 0.205 |
| Prenatal Depression\* Sensitivity Composite |  |  |  |  |  |  | 0.494 | 0.320 | 0.114 |
| *R2* | 0.378 | | | 0.401 | | | 0.413 | | |
| *F* | 6.085\*\*\* | | | 6.125\*\*\* | | | 5.923\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 7b**

*Regression Models Examining the Association Between Prenatal Maternal Anxiety Symptoms and Child Cognitive Function, including Postnatal Maternal Anxiety Symptoms*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Anxiety | | | Model 2: Prenatal Anxiety and Sensitivity Composite | | | Model 3: Interaction | | |
|
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | 0.058 | 0.339 | 0.017 | -0.051 | 0.339 | -0.015 | -0.050 | 0.335 | -0.015 |
| SES | 2.205† | 1.146 | 0.230 | 1.835 | 1.144 | 0.192 | 1.879† | 1.130 | 0.196 |
| Parity | -2.432 | 1.732 | -0.121 | -1.532 | 1.762 | -0.076 | -1.410 | 1.741 | -0.070 |
| Cohabitation with Child’s Father | 4.967 | 4.587 | 0.090 | 4.291 | 4.535 | 0.078 | 3.578 | 4.493 | 0.065 |
| Index of Intelligence (WAIS) | 0.179† | 0.096 | 0.188 | 0.155 | 0.095 | 0.163 | 0.150 | 0.094 | 0.158 |
| Obstetric Risk | -1.812 | 2.844 | -0.050 | -1.700 | 2.805 | -0.047 | -1.731 | 2.771 | -0.048 |
| Non-Hispanic White | -1.532 | 3.254 | -0.047 | -1.820 | 3.212 | -0.056 | -2.132 | 3.176 | -0.065 |
| Latina | -6.353† | 3.716 | -0.178 | -5.688 | 3.679 | -0.160 | -5.428 | 3.635 | -0.152 |
| Gestational Age at Birth (GAB) | 0.846 | 1.041 | 0.065 | 0.627 | 1.032 | 0.048 | 0.354 | 1.028 | 0.027 |
| Child Sex (male) | -6.454\* | 2.487 | -0.195 | -6.263\* | 2.454 | -0.189 | -6.627\*\* | 2.431 | -0.200 |
| Postnatal Anxiety | -0.195 | 0.489 | -0.050 | -0.107 | 0.484 | -0.027 | -0.119 | 0.478 | -0.031 |
| Prenatal Anxiety | -0.018 | 0.467 | -0.005 | -0.084 | 0.462 | -0.024 | -0.097 | 0.456 | -0.027 |
| Sensitivity Composite |  |  |  | 2.601\* | 1.241 | 0.190 | 2.704\* | 1.226 | 0.197 |
| Prenatal Anxiety\*Sensitivity Composite |  |  |  |  |  |  | 0.470\* | 0.235 | 0.143 |
| *R2* | 0.377 | | | 0.400 | | | 0.419 | | |
| *F* | 6.063\*\*\* | | | 6.094\*\*\* | | | 6.086\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

\**p*< .05. \*\**p < .*01. \*\*\**p*< .001.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 7c**

*Regression Models Examining the Association Between Prenatal Maternal Perceived Stress and Child Cognitive Function, Including Postnatal Maternal Perceived Stress*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Perceived Stress | | | Model 2: Prenatal Perceived Stress and Sensitivity Composite | | | Model 3: Interaction | | |
|
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | 0.066 | 0.335 | 0.020 | -0.038 | 0.336 | -0.011 | -0.012 | 0.330 | -0.004 |
| SES | 1.929† | 1.140 | 0.201 | 1.632 | 1.138 | 0.170 | 1.713 | 1.119 | 0.179 |
| Parity | -2.561 | 1.720 | -0.128 | -1.736 | 1.755 | -0.087 | -1.704 | 1.724 | -0.085 |
| Cohabitation with Child’s Father | 4.476 | 4.501 | 0.081 | 3.932 | 4.461 | 0.072 | 2.283 | 4.441 | 0.042 |
| Index of Intelligence (WAIS) | 0.144 | 0.099 | 0.151 | 0.125 | 0.098 | 0.132 | 0.126 | 0.097 | 0.133 |
| Obstetric Risk | -2.455 | 2.843 | -0.067 | -2.209 | 2.815 | -0.061 | -2.248 | 2.766 | -0.062 |
| Non-Hispanic White | -2.132 | 3.195 | -0.065 | -2.277 | 3.161 | -0.070 | -2.956 | 3.120 | -0.091 |
| Latina | -7.454† | 3.860 | -0.209 | -6.802† | 3.833 | -0.191 | -7.292† | 3.772 | -0.205 |
| Gestational Age at Birth (GAB) | 0.910 | 1.007 | 0.069 | 0.696 | 1.002 | 0.053 | 0.660 | 0.984 | 0.050 |
| Child Sex (male) | -6.443\* | 2.452 | -0.194 | -6.257\* | 2.427 | -0.189 | -6.943\*\* | 2.404 | -0.209 |
| Postnatal Stress | -0.356 | 0.389 | -0.114 | -0.231 | 0.390 | -0.074 | -0.151 | 0.385 | -0.049 |
| Prenatal Stress | -0.094 | 0.395 | -0.033 | -0.155 | 0.392 | -0.054 | -0.152 | 0.386 | -0.053 |
| Sensitivity Composite |  |  |  | 2.393† | 1.248 | 0.174 | 2.496\* | 1.227 | 0.182 |
| Prenatal Stress\*Sensitivity Composite |  |  |  |  |  |  | 0.444\* | 0.193 | 0.166 |
| *R2* | 0.389 | | | 0.408 | | | 0.433 | | |
| *F* | 6.376\*\*\* | | | 6.299\*\*\* | | | 6.436\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 8a**

*Regression Models Examining the Association Between Prenatal Maternal Depressive Symptoms and Child Negative Emotionality, Including Postnatal Maternal Depressive Symptoms*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Depression | | | Model 2: Prenatal Depression and Sensitivity Composite | | | Model 3: Interaction | | |
|
| Variable | *B* | *SE B* | *Β* | *B* | *SE B* | *β* | *B* | *SE B* | *Β* |
| Maternal Age | -0.016 | 0.011 | -0.134 | -0.016 | 0.011 | -0.134 | -0.018 | 0.011 | -0.155 |
| SES | -0.009 | 0.041 | -0.027 | -0.007 | 0.042 | -0.020 | -0.008 | 0.042 | -0.023 |
| Cohabitation with Child’s Father | -0.160 | 0.194 | -0.074 | -0.162 | 0.195 | -0.074 | -0.104 | 0.195 | -0.048 |
| Index of Intelligence (WAIS) | -0.005 | 0.003 | -0.136 | -0.004 | 0.004 | -0.132 | -0.004 | 0.003 | -0.112 |
| Non-Hispanic White | -0.292\* | 0.127 | -0.253 | -0.293\* | 0.128 | -0.253 | -0.277\* | 0.126 | -0.239 |
| Latina | 0.128 | 0.149 | 0.099 | 0.124 | 0.151 | 0.096 | 0.169 | 0.150 | 0.131 |
| Postnatal Depression | 0.028 | 0.019 | 0.174 | 0.028 | 0.019 | 0.175 | 0.030 | 0.019 | 0.184 |
| Prenatal Depression | 0.015 | 0.021 | 0.091 | 0.014 | 0.021 | 0.088 | 0.015 | 0.021 | 0.090 |
| Sensitivity Composite |  |  |  | -0.011 | 0.047 | -0.023 | -0.013 | 0.047 | -0.025 |
| Prenatal Depression\*Sensitivity Composite |  |  |  |  |  |  | -0.029\* | 0.015 | -0.165 |
| *R2* | 0.298 | | | 0.298 | | | 0.324 | | |
| *F* | 5.834\*\*\* | | | 5.148\*\*\* | | | 5.168\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 8b**

*Regression Models Examining the Association Between Prenatal Maternal Anxiety Symptoms and Child Negative Emotionality, Including Postnatal Maternal Anxiety Symptoms*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Anxiety | | | Model 2: Prenatal Anxiety and Sensitivity Composite | | | Model 3: Interaction | | |
|
| Variable | *B* | *SE B* | *Β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | -0.013 | 0.011 | -0.114 | -0.013 | 0.011 | -0.114 | -0.015 | 0.011 | -0.126 |
| SES | -0.023 | 0.041 | -0.067 | -0.021 | 0.042 | -0.060 | -0.021 | 0.042 | -0.061 |
| Cohabitation with Child’s Father | -0.258 | 0.192 | -0.119 | -0.259 | 0.193 | -0.119 | -0.250 | 0.191 | -0.115 |
| Index of Intelligence (WAIS) | -0.005 | 0.003 | -0.145 | -0.005 | 0.004 | -0.140 | -0.005 | 0.004 | -0.138 |
| Non-Hispanic White | -0.272\* | 0.129 | -0.235 | -0.273\* | 0.129 | -0.236 | -0.260\* | 0.129 | -0.225 |
| Latina | 0.128 | 0.152 | 0.099 | 0.123 | 0.154 | 0.095 | 0.123 | 0.152 | 0.095 |
| Postnatal Anxiety | 0.028 | 0.018 | 0.201 | 0.028 | 0.018 | 0.200 | 0.031† | 0.018 | 0.217 |
| Prenatal Anxiety | -0.006 | 0.017 | -0.049 | -0.007 | 0.017 | -0.052 | -0.009 | 0.017 | -0.067 |
| Sensitivity Composite |  |  |  | -0.013 | 0.048 | -0.026 | -0.009 | 0.048 | -0.017 |
| Prenatal Anxiety\*Sensitivity Composite |  |  |  |  |  |  | -0.016 | 0.010 | -0.135 |
| *R2* | 0.276 | | | 0.276 | | | 0.294 | | |
| *F* | 5.240\*\*\* | | | 4.626\*\*\* | | | 4.499\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 8c**

*Regression Models Examining the Association Between Prenatal Maternal Perceived Stress and Child Negative Emotionality, Including Postnatal Maternal Perceived Stress*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Perceived Stress | | | Model 2: Prenatal Perceived Stress and Sensitivity Composite | | | Model 3: Interaction | | |
|
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | -0.013 | 0.011 | -0.108 | -0.013 | 0.011 | -0.109 | -0.014 | 0.011 | -0.117 |
| SES | -0.017 | 0.040 | -0.050 | -0.017 | 0.041 | -0.049 | -0.020 | 0.041 | -0.056 |
| Cohabitation with Child’s Father | -0.184 | 0.189 | -0.085 | -0.184 | 0.190 | -0.085 | -0.136 | 0.191 | -0.062 |
| Index of Intelligence (WAIS) | -0.002 | 0.004 | -0.072 | -0.002 | 0.004 | -0.072 | -0.003 | 0.004 | -0.075 |
| Non-Hispanic White | -0.222† | 0.126 | -0.192 | -0.223† | 0.127 | -0.192 | -0.196 | 0.127 | -0.170 |
| Latina | 0.216 | 0.157 | 0.167 | 0.215 | 0.159 | 0.166 | 0.247 | 0.159 | 0.191 |
| Postnatal Stress | 0.013 | 0.016 | 0.112 | 0.013 | 0.016 | 0.112 | 0.012 | 0.016 | 0.102 |
| Prenatal Stress | 0.017 | 0.016 | 0.155 | 0.017 | 0.016 | 0.155 | 0.016 | 0.016 | 0.149 |
| Sensitivity Composite |  |  |  | -0.002 | 0.048 | -0.005 | 0.004 | 0.047 | 0.008 |
| Prenatal Stress\*Sensitivity Composite |  |  |  |  |  |  | -0.014 | 0.009 | -0.136 |
| *R2* | 0.297 | | | 0.297 | | | 0.314 | | |
| *F* | 5.810\*\*\* | | | 5.118\*\*\* | | | 4.946\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

***Appendix Tables 9-10: Analyses of Maternal Care at 6 and 12 months***

**Appendix Table 9a**

*Regression Models Examining the Association Between Prenatal Maternal Psychological Distress and Child Cognitive Function, with Maternal Care at 6 months*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Sensitivity Composite at 6 months | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | 0.050 | 0.349 | 0.015 | 0.014 | 0.352 | 0.004 | 0.051 | 0.346 | 0.015 |
| SES | 2.102† | 1.160 | 0.221 | 1.973† | 1.172 | 0.207 | 2.024† | 1.150 | 0.212 |
| Parity | -2.224 | 1.807 | -0.110 | -2.208 | 1.810 | -0.110 | -2.589 | 1.784 | -0.128 |
| Cohabitation | 5.439 | 4.792 | 0.098 | 5.687 | 4.807 | 0.102 | 4.796 | 4.735 | 0.086 |
| Index of Intelligence (WAIS) | 0.175† | 0.099 | 0.186 | 0.158 | 0.101 | 0.167 | 0.138 | 0.100 | 0.146 |
| Obstetric Risk | -2.557 | 2.995 | -0.069 | -2.561 | 2.999 | -0.069 | -4.123 | 3.023 | -0.111 |
| Non-Hispanic White | -2.660 | 3.363 | -0.081 | -2.727 | 3.368 | -0.083 | -3.746 | 3.336 | -0.114 |
| Latina | -6.908† | 3.925 | -0.191 | -6.810† | 3.932 | -0.188 | -7.987\* | 3.894 | -0.221 |
| Gestational Age at Birth (GAB) | 0.294 | 1.080 | 0.022 | 0.092 | 1.108 | 0.007 | -0.229 | 1.097 | -0.017 |
| Child Sex (male) | -5.719\* | 2.586 | -0.171 | -5.376\* | 2.621 | -0.161 | -6.271\* | 2.602 | -0.188 |
| Prenatal Distress | -1.798 | 1.686 | -0.102 | -1.993 | 1.704 | -0.113 | -2.467 | 1.686 | -0.140 |
| Sensitivity Composite 6mo |  |  |  | 1.135 | 1.346 | 0.074 | 1.579 | 1.336 | 0.102 |
| Prenatal Distress\* Sensitivity Composite 6mo |  |  |  |  |  |  | 3.886\* | 1.710 | 0.181 |
| *R2* | 0.383 | | | 0.387 | | | 0.414 | | |
| *F* | 6.252\*\*\* | | | 5.775\*\*\* | | | 5.930\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 9b**

*Regression Models Examining the Association Between Prenatal Maternal Psychological Distress and Child Cognitive Function, with Maternal Care at 12 months*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Sensitivity Composite at 12 months | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | 0.159 | 0.385 | 0.047 | 0.152 | 0.377 | 0.045 | 0.249 | 0.375 | 0.074 |
| SES | 1.913 | 1.221 | 0.198 | 1.419 | 1.216 | 0.147 | 1.411 | 1.198 | 0.146 |
| Parity | -2.659 | 1.909 | -0.130 | -1.414 | 1.945 | -0.069 | -1.576 | 1.920 | -0.077 |
| Cohabitation | 4.206 | 4.870 | 0.073 | 2.621 | 4.822 | 0.045 | 0.560 | 4.860 | 0.010 |
| Index of Intelligence (WAIS) | 0.193† | 0.103 | 0.195 | 0.185† | 0.101 | 0.186 | 0.171† | 0.100 | 0.172 |
| Obstetric Risk | 0.021 | 3.157 | 0.001 | 0.520 | 3.102 | 0.014 | 1.108 | 3.071 | 0.029 |
| Non-Hispanic White | -2.254 | 3.396 | -0.068 | -2.449 | 3.330 | -0.074 | -2.528 | 3.283 | -0.076 |
| Latina | -7.350† | 3.901 | -0.204 | -6.623† | 3.837 | -0.184 | -6.660† | 3.783 | -0.185 |
| Gestational Age at Birth (GAB) | 0.703 | 1.140 | 0.049 | 0.671 | 1.117 | 0.047 | 0.531 | 1.104 | 0.037 |
| Child Sex (male) | -7.679\*\* | 2.637 | -0.227 | -7.841\*\* | 2.586 | -0.232 | -7.982\*\* | 2.550 | -0.236 |
| Prenatal Distress | -1.551 | 1.757 | -0.082 | -0.913 | 1.744 | -0.048 | -0.738 | 1.721 | -0.039 |
| Sensitivity Composite 12mo |  |  |  | 2.141 | 0.915\* | 0.215 | 1.950\* | 0.907 | 0.196 |
| Prenatal Distress\* Sensitivity Composite 12mo |  |  |  |  |  |  | 1.844\* | 0.905 | 0.158 |
| *R2* | 0.376 | | | 0.406 | | | 0.428 | | |
| *F* | 6.027\*\*\* | | | 6.207\*\*\* | | | 6.215\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 10a**

*Regression Models Examining the Association Between Prenatal Maternal Psychological Distress and Child Negative Emotionality, with Maternal Care at 6 months*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Sensitivity Composite at 6 months | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | -0.019 | 0.012 | -0.156 | -0.018 | 0.012 | -0.150 | -0.017 | 0.012 | -0.142 |
| SES | -0.008 | 0.041 | -0.023 | -0.001 | 0.042 | -0.002 | -0.004 | 0.041 | -0.010 |
| Cohabitation | -0.225 | 0.202 | -0.099 | -0.259 | 0.205 | -0.115 | -0.270 | 0.202 | -0.119 |
| Index of Intelligence (WAIS) | -0.004 | 0.003 | -0.117 | -0.004 | 0.004 | -0.103 | -0.004 | 0.003 | -0.107 |
| Non-Hispanic White | -0.234† | 0.130 | -0.199 | -0.248† | 0.131 | -0.211 | -0.239† | 0.130 | -0.203 |
| Latina | 0.140 | 0.157 | 0.105 | 0.112 | 0.160 | 0.084 | 0.132 | 0.158 | 0.099 |
| Prenatal Distress | 0.159\* | 0.062 | 0.249 | 0.158\* | 0.062 | 0.247 | 0.156\* | 0.061 | 0.244 |
| Sensitivity Composite 6mo |  |  |  | -0.052 | 0.053 | -0.090 | -0.076 | 0.054 | -0.132 |
| Prenatal Distress\* Sensitivity Composite 6mo |  |  |  |  |  |  | -0.131† | 0.069 | -0.162 |
| *R2* | 0.308 | | | 0.314 | | | 0.338 | | |
| *F* | 6.536\*\*\* | | | 5.838\*\*\* | | | 5.726\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 10b**

*Regression Models Examining the Association Between Prenatal Maternal Psychological Distress and Child Negative Emotionality, with Maternal Care at 12 months*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Sensitivity Composite at 12 mo | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | -0.009 | 0.012 | -0.073 | -0.007 | 0.012 | -0.063 | -0.012 | 0.012 | -0.099 |
| SES | -0.026 | 0.042 | -0.074 | -0.032 | 0.044 | -0.089 | -0.030 | 0.043 | -0.085 |
| Cohabitation | -0.180 | 0.198 | -0.080 | -0.189 | 0.199 | -0.084 | -0.120 | 0.199 | -0.053 |
| Index of Intelligence (WAIS) | -0.004 | 0.004 | -0.103 | -0.004 | 0.004 | -0.109 | -0.003 | 0.004 | -0.093 |
| Non-Hispanic White | -0.265\* | 0.131 | -0.226 | -0.268\* | 0.132 | -0.228 | -0.251† | 0.130 | -0.214 |
| Latina | 0.203 | 0.156 | 0.155 | 0.208 | 0.157 | 0.159 | 0.242 | 0.156 | 0.185 |
| Prenatal Distress | 0.147\* | 0.065 | 0.217 | 0.153\* | 0.066 | 0.226 | 0.159\* | 0.066 | 0.234 |
| Sensitivity Composite 12mo |  |  |  | 0.018 | 0.035 | 0.049 | 0.034 | 0.035 | 0.093 |
| Prenatal Distress\* Sensitivity Composite 12mo |  |  |  |  |  |  | -0.076\* | 0.038 | -0.176 |
| *R2* | 0.305 | | | 0.307 | | | 0.334 | | |
| *F* | 6.399\*\*\* | | | 5.593\*\*\* | | | 5.564\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

***Appendix Tables 11-12: Maternal Sensitivity Subscale Analyses (Sensitivity to Nondistress, Intrusiveness Reverse-Scored, Positive Regard)***

**Appendix Table 11a**

*Regression Model Examining Maternal Sensitivity to Nondistress as a Moderator of the Association Between Prenatal Distress and Child Cognitive Function*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Sensitivity to Nondistress | | | Model 3: Interaction | | | |
| Variable | *B* | *SE B* | *Β* | *B* | *SE B* | *β* | *B* | *SE B* | | *β* |
| Maternal Age | 0.038 | 0.334 | 0.011 | -0.104 | 0.330 | -0.031 | -0.093 | | 0.326 | -0.028 |
| SES | 2.159† | 1.139 | 0.225 | 1.627 | 1.129 | 0.170 | 1.635 | 1.113 | | 0.171 |
| Parity | -2.503 | 1.728 | -0.125 | -1.459 | 1.730 | -0.073 | -1.481 | 1.706 | | -0.074 |
| Cohabitation with Child’s Father | 4.281 | 4.612 | 0.078 | 3.678 | 4.505 | 0.067 | 1.888 | 4.522 | | 0.034 |
| Index of Intelligence (WAIS) | 0.166† | 0.097 | 0.174 | 0.139 | 0.095 | 0.146 | 0.129 | 0.093 | | 0.135 |
| Obstetric Risk | -1.925 | 2.831 | -0.053 | -1.435 | 2.768 | -0.039 | -1.242 | 2.731 | | -0.034 |
| Non-Hispanic White | -1.764 | 3.191 | -0.054 | -1.435 | 3.116 | -0.044 | -1.921 | 3.081 | | -0.059 |
| Latina | -6.728† | 3.747 | -0.189 | -5.478 | 3.686 | -0.154 | -5.920 | 3.640 | | -0.166 |
| Gestational Age at Birth (GAB) | 0.863 | 1.017 | 0.066 | 0.632 | 0.996 | 0.048 | 0.464 | 0.985 | | 0.035 |
| Child Sex (male) | -6.473\* | 2.464 | -0.195 | -5.463\* | 2.434 | -0.165 | -5.965\* | 2.411 | | -0.180 |
| Prenatal Distress | -1.376 | 1.616 | -0.079 | -1.324 | 1.577 | -0.076 | -1.403 | 1.555 | | -0.080 |
| Sensitivity to Nondistress |  |  |  | 7.622\*\* | 2.857 | 0.241 | 8.227\*\* | 2.831 | | 0.260 |
| Prenatal Distress\*  Sensitivity to Nondistress |  |  |  |  |  |  | 5.485\* | 2.598 | | 0.151 |
| *R2* | 0.379 | | | 0.414 | | | 0.435 | | | |
| *F* | 6.715\*\*\* | | | 7.060\*\*\* | | | 7.048\*\*\* | | | |

B = unstandardized coefficient. β= standardized coefficient.

†*p* < .10 \**p*< .05. \*\**p < .*01. \*\*\**p*< .001

**Appendix Table 11b**

*Regression Model Examining Maternal Intrusiveness Reverse-Scored as a Moderator of the Association Between Prenatal Distress and Child Cognitive Function*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Intrusiveness Reverse-Scored | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *Β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | 0.038 | 0.334 | 0.011 | 0.008 | 0.333 | 0.002 | 0.002 | 0.335 | 0.001 |
| SES | 2.159† | 1.139 | 0.225 | 1.916† | 1.145 | 0.200 | 1.956† | 1.158 | 0.204 |
| Parity | -2.503 | 1.728 | -0.125 | -1.763 | 1.788 | -0.088 | -1.772 | 1.795 | -0.088 |
| Cohabitation with Child’s Father | 4.281 | 4.612 | 0.078 | 2.720 | 4.705 | 0.049 | 2.599 | 4.743 | 0.047 |
| Index of Intelligence (WAIS) | 0.166† | 0.097 | 0.174 | 0.148 | 0.097 | 0.156 | 0.149 | 0.097 | 0.156 |
| Obstetric Risk | -1.925 | 2.831 | -0.053 | -2.226 | 2.824 | -0.061 | -2.210 | 2.835 | -0.061 |
| Non-Hispanic White | -1.764 | 3.191 | -0.054 | -2.295 | 3.195 | -0.070 | -2.277 | 3.208 | -0.070 |
| Latina | -6.728† | 3.747 | -0.189 | -7.197† | 3.741 | -0.202 | -7.238† | 3.759 | -0.203 |
| Gestational Age at Birth (GAB) | 0.863 | 1.017 | 0.066 | 0.776 | 1.014 | 0.059 | 0.800 | 1.021 | 0.061 |
| Child Sex (male) | -6.473\* | 2.464 | -0.195 | -6.717\*\* | 2.457 | -0.203 | -6.808\*\* | 2.488 | -0.205 |
| Prenatal Distress | -1.376 | 1.616 | -0.079 | -1.624 | 1.616 | -0.093 | -1.675 | 1.633 | -0.096 |
| Intrusiveness Reverse-Scored |  |  |  | 4.403 | 2.937 | 0.128 | 4.174 | 3.059 | 0.121 |
| Prenatal Distress\*  Intrusiveness Reverse-Scored |  |  |  |  |  |  | 0.977 | 3.497 | 0.022 |
| *R2* | 0.379 | | | 0.390 | | | 0.391 | | |
| *F* | 6.715\*\*\* | | | 6.406\*\*\* | | | 5.874\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

†*p* < .10 \**p*< .05. \*\**p < .*01. \*\*\**p*< .001

**Appendix Table 11c**

*Regression Model Examining Maternal Positive Regard as a Moderator of the Association Between Prenatal Distress and Child Cognitive Function*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Positive Regard | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *Β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | 0.038 | 0.334 | 0.011 | 0.011 | 0.336 | 0.003 | 0.092 | 0.334 | 0.028 |
| SES | 2.159† | 1.139 | 0.225 | 2.110† | 1.143 | 0.220 | 2.099† | 1.128 | 0.219 |
| Parity | -2.503 | 1.728 | -0.125 | -2.425 | 1.734 | -0.121 | -2.627 | 1.713 | -0.131 |
| Cohabitation with Child’s Father | 4.281 | 4.612 | 0.078 | 4.728 | 4.659 | 0.086 | 3.989 | 4.609 | 0.073 |
| Index of Intelligence (WAIS) | 0.166† | 0.097 | 0.174 | 0.164† | 0.097 | 0.172 | 0.152 | 0.096 | 0.160 |
| Obstetric Risk | -1.925 | 2.831 | -0.053 | -1.816 | 2.840 | -0.050 | -2.281 | 2.810 | -0.063 |
| Non-Hispanic White | -1.764 | 3.191 | -0.054 | -1.753 | 3.197 | -0.054 | -2.491 | 3.174 | -0.076 |
| Latina | -6.728† | 3.747 | -0.189 | -6.319† | 3.794 | -0.177 | -6.571† | 3.745 | -0.185 |
| Gestational Age at Birth (GAB) | 0.863 | 1.017 | 0.066 | 0.792 | 1.023 | 0.060 | 0.503 | 1.019 | 0.038 |
| Child Sex (male) | -6.473\* | 2.464 | -0.195 | -6.452\* | 2.469 | -0.195 | -6.201\* | 2.438 | -0.187 |
| Prenatal Distress | -1.376 | 1.616 | -0.079 | -1.219 | 1.633 | -0.070 | -1.059 | 1.613 | -0.060 |
| Positive Regard |  |  |  | 2.006 | 2.691 | 0.059 | 1.486 | 2.666 | 0.044 |
| Prenatal Distress\*  Positive Regard |  |  |  |  |  |  | 5.768\* | 2.768 | 0.154 |
| *R2* | 0.379 | | | 0.382 | | | 0.404 | | |
| *F* | 6.715\*\*\* | | | 6.179\*\*\* | | | 6.197\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

†*p* < .10 \**p*< .05. \*\**p < .*01. \*\*\**p*< .001

**Appendix Table 12a**

*Regression Model Examining Maternal Sensitivity to Nondistress as a Moderator of the Association Between Prenatal Distress and Child Negative Emotionality*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Sensitivity to Nondistress | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | -0.012 | 0.011 | -0.105 | -0.012 | 0.011 | -0.105 | -0.014 | 0.011 | -0.120 |
| SES | -0.023 | 0.041 | -0.065 | -0.022 | 0.042 | -0.062 | -0.019 | 0.042 | -0.054 |
| Cohabitation with Child’s Father | -0.172 | 0.193 | -0.079 | -0.174 | 0.194 | -0.080 | -0.141 | 0.193 | -0.065 |
| Index of Intelligence (WAIS) | -0.003 | 0.003 | -0.100 | -0.003 | 0.004 | -0.097 | -0.003 | 0.004 | -0.090 |
| Non-Hispanic White | -0.258\* | 0.127 | -0.223 | -0.259\* | 0.128 | -0.224 | -0.235† | 0.127 | -0.203 |
| Latina | 0.152 | 0.152 | 0.117 | 0.149 | 0.154 | 0.115 | 0.187 | 0.154 | 0.145 |
| Prenatal Distress | 0.125\* | 0.060 | 0.201 | 0.124\* | 0.061 | 0.200 | 0.127\* | 0.060 | 0.205 |
| Sensitivity to Nondistress |  |  |  | -0.013 | 0.109 | -0.011 | -0.026 | 0.108 | -0.022 |
| Prenatal Distress\*  Sensitivity to Nondistress |  |  |  |  |  |  | -0.214† | 0.116 | -0.151 |
| *R2* | 0.280 | | | 0.280 | | | 0.302 | | |
| *F* | 6.173\*\*\* | | | 5.355\*\*\* | | | 5.246\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

†p < .10 \**p*< .05. \*\**p < .*01. \*\*\**p*< .001

**Appendix Table 12b**

*Regression Model Examining Maternal Intrusiveness Reverse-Scored as a Moderator of the Association Between Prenatal Distress and Child Negative Emotionality*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Intrusiveness Reverse-Scored | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | -0.012 | 0.011 | -0.105 | -0.013 | 0.011 | -0.109 | -0.010 | 0.011 | -0.088 |
| SES | -0.023 | 0.041 | -0.065 | -0.017 | 0.042 | -0.050 | -0.030 | 0.042 | -0.087 |
| Cohabitation with Child’s Father | -0.172 | 0.193 | -0.079 | -0.154 | 0.196 | -0.071 | -0.076 | 0.198 | -0.035 |
| Index of Intelligence (WAIS) | -0.003 | 0.003 | -0.100 | -0.003 | 0.004 | -0.088 | -0.003 | 0.004 | -0.085 |
| Non-Hispanic White | -0.258\* | 0.127 | -0.223 | -0.255\* | 0.128 | -0.221 | -0.267\* | 0.126 | -0.231 |
| Latina | 0.152 | 0.152 | 0.117 | 0.155 | 0.153 | 0.120 | 0.153 | 0.151 | 0.118 |
| Prenatal Distress | 0.125\* | 0.060 | 0.201 | 0.126\* | 0.060 | 0.203 | 0.142\* | 0.060 | 0.228 |
| Intrusiveness Reverse-Scored |  |  |  | -0.073 | 0.128 | -0.052 | 0.020 | 0.136 | 0.014 |
| Prenatal Distress\*  Intrusiveness Reverse-Scored |  |  |  |  |  |  | -0.262† | 0.142 | -0.166 |
| *R2* | 0.280 | | | 0.282 | | | 0.304 | | |
| *F* | 6.173\*\*\* | | | 5.409\*\*\* | | | 5.295\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

†p < .10 \**p*< .05. \*\**p < .*01. \*\*\**p*< .001

**Appendix Table 12c**

*Regression Model Examining Maternal Positive Regard as a Moderator of the Association Between Prenatal Distress and Child Negative Emotionality*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Positive Regard | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age | -0.012 | 0.011 | -0.105 | -0.012 | 0.011 | -0.105 | -0.014 | 0.012 | -0.124 |
| SES | -0.023 | 0.041 | -0.065 | -0.023 | 0.041 | -0.067 | -0.022 | 0.041 | -0.062 |
| Cohabitation with Child’s Father | -0.172 | 0.193 | -0.079 | -0.166 | 0.196 | -0.076 | -0.174 | 0.196 | -0.080 |
| Index of Intelligence (WAIS) | -0.003 | 0.003 | -0.100 | -0.003 | 0.003 | -0.100 | -0.003 | 0.003 | -0.099 |
| Non-Hispanic White | -0.258\* | 0.127 | -0.223 | -0.258\* | 0.128 | -0.223 | -0.238† | 0.129 | -0.206 |
| Latina | 0.152 | 0.152 | 0.117 | 0.158 | 0.155 | 0.122 | 0.171 | 0.156 | 0.132 |
| Prenatal Distress | 0.125\* | 0.060 | 0.201 | 0.127\* | 0.062 | 0.205 | 0.119† | 0.062 | 0.192 |
| Positive Regard |  |  |  | 0.022 | 0.108 | 0.018 | 0.022 | 0.108 | 0.018 |
| Prenatal Distress\*  Positive Regard |  |  |  |  |  |  | -0.127 | 0.128 | -0.083 |
| *R2* | 0.280 | | | 0.280 | | | 0.287 | | |
| *F* | 6.173\*\*\* | | | 5.360\*\*\* | | | 4.873\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

†p < .10 \**p*< .05. \*\**p < .*01. \*\*\**p*< .001

***Appendix Table 13: Main Analyses Including Postnatal Maternal Distress***

**Appendix Table 13a**

*Regression Models Examining the Association Between Prenatal Maternal Psychological Distress and Child Cognitive Function, Including Postnatal Maternal Distress*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Sensitivity Composite | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *Β* |
| Maternal Age | 0.072 | 0.338 | 0.022 | -0.035 | 0.338 | -0.011 | -0.018 | 0.332 | -0.005 |
| SES | 2.036† | 1.154 | 0.213 | 1.692 | 1.151 | 0.177 | 1.769 | 1.133 | 0.185 |
| Parity | -2.484 | 1.731 | -0.124 | -1.619 | 1.760 | -0.081 | -1.618 | 1.731 | -0.081 |
| Cohabitation | 4.675 | 4.652 | 0.085 | 4.029 | 4.603 | 0.073 | 2.193 | 4.601 | 0.040 |
| Index of Intelligence (WAIS) | 0.172† | 0.097 | 0.180 | 0.148 | 0.096 | 0.156 | 0.135 | 0.095 | 0.141 |
| Obstetric risk | -2.023 | 2.840 | -0.056 | -1.869 | 2.804 | -0.051 | -1.986 | 2.758 | -0.054 |
| Non-Hispanic White | -1.551 | 3.211 | -0.048 | -1.794 | 3.171 | -0.055 | -2.468 | 3.134 | -0.076 |
| Latina | -6.690† | 3.755 | -0.188 | -6.038 | 3.720 | -0.170 | -6.532† | 3.666 | -0.183 |
| Gestational Age at Birth (GAB) | 0.820 | 1.021 | 0.063 | 0.616 | 1.012 | 0.047 | 0.437 | 0.999 | 0.033 |
| Child sex (male) | -6.401\* | 2.471 | -0.193 | -6.199\* | 2.441 | -0.187 | -6.660\*\* | 2.410 | -0.201 |
| Postnatal Distress | -1.701 | 2.334 | -0.095 | -1.224 | 2.316 | -0.068 | -1.080 | 2.279 | -0.060 |
| Prenatal Distress | 0.014 | 2.503 | 0.001 | -0.303 | 2.475 | -0.017 | -0.543 | 2.437 | -0.031 |
| Sensitivity Composite |  |  |  | 2.533\* | 1.239 | 0.185 | 2.700\* | 1.221 | 0.197 |
| Prenatal Distress\* Sensitivity Composite |  |  |  |  |  |  | 2.796\* | 1.249 | 0.161 |
| *R2* | 0.382 | | | 0.403 | | | 0.427 | | |
| *F* | 6.176\*\*\* | | | 6.173\*\*\* | | | 6.283\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001

**Appendix Table 13b**

*Regression Models Examining the Association Between Prenatal Maternal Psychological Distress and Child Negative Emotionality, Including Postnatal Maternal Distress*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1: Prenatal Distress | | | Model 2: Prenatal Distress and Sensitivity Composite | | | Model 3: Interaction | | |
| Variable | *B* | *SE B* | *β* | *B* | *SE B* | *β* | *B* | *SE B* | *β* |
| Maternal Age  SES | -0.014  -0.013 | 0.011  0.041 | -0.121  -0.037 | -0.014  -0.012 | 0.011  0.042 | -0.122  -0.033 | -0.016  -0.013 | 0.011  0.042 | -0.138  -0.037 |
| Cohabitation with Child’s Father | -0.195 | 0.192 | -0.090 | -0.196 | 0.193 | -0.090 | -0.145 | 0.192 | -0.067 |
| Index of Intelligence (WAIS) | -0.004 | 0.003 | -0.119 | -0.004 | 0.004 | -0.117 | -0.004 | 0.004 | -0.108 |
| Non-Hispanic White | -0.265\* | 0.127 | -0.230 | -0.266\* | 0.127 | -0.230 | -0.240† | 0.126 | -0.208 |
| Latina  Postnatal Distress | 0.158  0.122 | 0.152  0.084 | 0.122  0.194 | 0.156  0.122 | 0.153  0.084 | 0.120  0.194 | 0.190  0.123 | 0.152  0.083 | 0.146  0.196 |
| Prenatal Distress  Sensitivity Composite  Prenatal Distress\*  Sensitivity Composite | 0.030 | 0.089 | 0.048 | 0.029  -0.007 | 0.089  0.047 | 0.047  -0.013 | 0.031  -0.002  -0.105\* | 0.088  0.047  0.052 | 0.050  -0.003  -0.165 |
| *R2* | 0.294 | | | 0.294 | | | 0.320 | | |
| *F* | 5.718\*\*\* | | | 5.039\*\*\* | | | 5.076\*\*\* | | |

B = unstandardized coefficient. β= standardized coefficient.

† *p* < .10 **\****p*< .05. **\*\****p < .*01. **\*\*\****p*< .001