**Supplementary Table 1**

*Adoptive Mother ACES, Biological* *Mother Prenatal Stress, and Biological Mother Life Stress Predicting Adolescent Externalizing Behavior, Mediated by Child Effortful Control – Sensitivity Analysis Including Only Biological Mothers Aged 18.75 Years and Older at Adoptee Birth*

|  |  |  |
| --- | --- | --- |
| Outcome | β (*SE*) | CI |
| Child effortful control T2 |  |  |
| Adoptive mother ACES (a1) | -0.01 (0.02) | [-0.04, 0.03] |
| Biological mother prenatal stress (a2) | 0.01 (0.03) | [-0.05, 0.07] |
| **Biological** **mother life stress (a3)** | **-0.09 (0.04)\*** | **[-0.17, -0.003]** |
| Biological parent psychopathology | 0.03 (0.02) | [-0.01, 0.07] |
| **Child sex assigned at birth** | **0.24 (0.05)\*\*\*** | **[0.14, 0.35]** |
| Biological mother race/ethnicity | 0.09 (0.06) | [-0.02, 0.20] |
| Adoption openness | 0.03 (0.03) | [-0.03, 0.09] |
| Biological mother prenatal stress X openness | 0.00 (0.03) | [-0.06, 0.07] |
| Biological mother life stress X openness | 0.02 (0.04) | [-0.06, 0.10] |
| Adolescent externalizing behaviors T3 |  |  |
| Adoptive mother ACES (c’1) | 0.05 (0.33) | [-0.57, 0.76] |
| Biological mother prenatal stress (c’2) | -0.33 (0.61) | [-1.51, 0.84] |
| Biological mother life stress (c’3) | 1.11 (0.97) | [-0.67, 3.08] |
| **Child effortful control (b)** | **-6.67 (1.28)\*\*\*** | **[-9.22, -4.12]** |
| Biological parent psychopathology | -0.02 (0.45) | [-0.92, 0.86] |
| Child sex assigned at birth | -0.72 (1.16) | [-2.96, 1.71] |
| Biological mother race/ethnicity | 0.07 (1.28) | [-2.47, 2.44] |
| Adoption openness | 0.26 (0.59) | [-0.89, 1.43] |
| Biological mother prenatal stress X openness | 0.29 (0.72) | [-1.15, 1.70] |
| Biological mother life stress X openness | -0.24 (0.94) | [-1.98, 1.65] |
| Total effects |  |  |
| Adoptive mother ACES – EXT (c1) | 0.10 (0.35) | [-0.56, 0.85] |
| Biological mother prenatal stress – EXT (c2) | -0.40 (0.62) | [-1.64, 0.83] |
| Biological mother life stress – EXT (c3) | 1.70 (0.99)+ | [-0.13, 3.79] |
| Indirect effects |  |  |
| Adoptive mother ACES – EC – EXT | 0.05 (0.12) | [-0.18, 0.30] |
| Biological mother prenatal stress – EC – EXT | -0.07 (0.22) | [-0.50, 0.37] |
| **Biological** **mother life stress – EC – EXT** | **0.59 (0.33)+** | **[0.05, 1.31]** |

*Note.* Unstandardized coefficients are reported. CI = 95% bias-corrected bootstrap confidence interval. ACES = adverse childhood experiences. EXT = externalizing behavior. EC = effortful control. +*p* < .10, \**p* < .05, \*\*\**p* < .001. Estimates with confidence intervals that do not contain zero, indicating significant effects, bolded.

**Supplementary Table 2**

*Moderated Mediation: Adoptive Mother ACES, Biological* *Mother Prenatal Stress, and Biological Mother Life Stress Predicting Age 11 Externalizing Behavior, Mediated by Child Effortful Control, with Adoptive Mother ACES as a Moderator – Sensitivity Analysis Including Only Biological Mothers Aged 18.75 Years and Older at Adoptee Birth*

|  |  |  |
| --- | --- | --- |
| Outcome | AH β (*SE*) | AH CI |
| Child effortful control T2 |  |  |
| Adoptive mother ACES (a1) | 0.00 (0.02) | [-0.03, 0.04] |
| Biological mother prenatal stress (a2) | 0.01 (0.03) | [-0.05, 0.07] |
| Biological mother life stress (a3) | 0.01 (0.06) | [-0.11, 0.13] |
| **Biological** **life stress X AM ACES (a4)** | **-0.07 (0.03)\*** | **[-0.12, -0.01]** |
| Biological parent psychopathology | 0.03 (0.02) | [-0.01, 0.07] |
| **Child sex assigned at birth** | **0.25 (0.05)\*\*\*** | **[0.15, 0.36]** |
| Biological mother race/ethnicity | 0.08 (0.06) | [-0.04, 0.19] |
| Adoption openness | 0.02 (0.03) | [-0.04, 0.08] |
| Biological mother prenatal stress X openness | 0.00 (0.03) | [-0.06, 0.07] |
| Biological mother life stress X openness | -0.02 (0.05) | [-0.12, 0.07] |
| Adolescent externalizing behaviors T3 |  |  |
| Adoptive mother ACES (c’1) | -0.24 (0.35) | [-0.90, 0.49] |
| Biological mother prenatal stress (c’2) | -0.29 (0.60) | [-1.46, 0.90] |
| Biological mother life stress (c’3) | -1.15 (1.25) | [-3.33, 1.49] |
| **BM life stress X AM ACES (c’4)** | **1.62 (0.57)\*\*** | **[0.50, 2.72]** |
| **Child effortful control (b)** | **-5.96 (1.36)\*\*\*** | **[-8.61, -3.20]** |
| Biological parent psychopathology | -0.04 (0.45) | [-0.95, 0.81] |
| Child sex assigned at birth | -1.18 (1.19) | [-3.46, 1.24] |
| Biological mother race/ethnicity | 0.30 (1.32) | [-2.35, 2.77] |
| Adoption openness | 0.41 (0.60) | [-0.77, 1.61] |
| Biological mother prenatal stress X openness | 0.31 (0.74) | [-1.12, 1.79] |
| Biological mother life stress X openness | 0.77 (0.99) | [-1.08, 2.77] |
| Total effects |  |  |
| Adoptive mother ACES – EXT (c1) | -0.25 (0.37) | [-0.94, 0.52] |
| Biological mother prenatal stress – EXT (c2) | -0.34 (0.62) | [-1.54, 0.88] |
| Biological mother life stress – EXT (c3) | -1.20 (1.21) | [-3.34, 1.39] |
| **BM life stress X AM ACES (c4)** | **2.01 (0.58)\*\*\*** | **[0.86, 3.14]** |
| Conditional indirect effects |  |  |
| BM life stress – EC – EXT, Low AM ACES | -0.17 (0.41) | [-0.98, 0.67] |
| **BM life stress – EC – EXT, Avg AM ACES** | **0.59 (0.30)+** | **[0.10, 1.28]** |
| **BM life stress – EC – EXT, High AM ACES** | **1.35 (0.49)\*\*** | **[0.51, 2.47]** |
| Conditional direct effects |  |  |
| BM life stress– EXT, Low AM ACES | -1.64 (1.37) | [-4.06, 1.23] |
| BM life stress– EXT, Avg AM ACES | 1.44 (0.95) | [-0.29, 3.35] |
| **BM life stress – EXT, High AM ACES** | **4.53 (1.50)\*\*** | **[1.65, 7.53]** |

*Note.* Unstandardized coefficients are reported. CI = 95% bias-corrected bootstrap confidence interval. ACES = adverse childhood experiences. BM = biological mother. AM = adoptive mother. EC = effortful control. EXT = externalizing behavior. +*p* < .10, \**p* < .05, \*\**p* < .01, \*\*\**p* < .001. Estimates with confidence intervals that do not contain zero, indicating significant effects, bolded.