Supplemental Table S1. *Breakdown of primary caregiver’s relationship to target child at each assessment wave*

|  |  |  |  |
| --- | --- | --- | --- |
| Wave | Biological/Adoptive/ Foster Mother | Biological/Adoptive/ Foster Father | Other |
| T1 | 95.4% | 3.3% | 1.3% |
| T3 | 95.3% | 3.3% | 1.5% |
| T5 | 95.8% | 2.7% | 1.5% |
| T6 | 93.9% | 4.4% | 1.7% |
| T8 | 92.5% | 4.7% | 2.7% |
| T10 | 92.8% | 4.9% | 2.2% |
| T12 | 96.7% | 2.5% | 0.8% |
| T14 | 93.9% | 4.5% | 1.5% |

Supplemental Table S2. *Prevalence rates of disorders in the sample at each time point*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | T1 | T3 | T5 | T6 | T8 | T10 | T12 | T14 |
| Major Depression Disorder | 25.1 | 15.8 | 17.8 | 18.9 | 21.2 | 17.5 | 13.2 | 7.9 |
| Generalized Anxiety Disorder | 6.7 | 9.1 | 6.9 | 5.2 | 7.9 | 7.6 | 2.5 | 7.9 |
| Post-Traumatic Stress Disorder | 2.0 | 1.5 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Social Anxiety Disorder | 18.1 | 11.0 | 8.1 | 8.0 | 6.6 | 2.8 | 3.3 | 1.6 |
| Attention Deficit Hyperactivity Disorder | 16.1 | 12.6 | 10.9 | 15.6 | 16.7 | 15.7 | 10.0 | 8.2 |
| Oppositional Defiant Disorder | 24.8 | 14.5 | 13.4 | 16.5 | 15.0 | 10.5 | 8.3 | 6.6 |
| Conduct Disorder | 13.4 | 10.3 | 8.1 | 7.0 | 9.3 | 3.8 | 5.0 | 4.9 |

Supplemental Table S3. *Factor loadings for the three-factor solution from factor analysis with tantrum variables*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Factor 1 | Factor 2 | Factor 3 |
| Throwing Objects | 8.072 | 0.351 | 0.622 |
| Spitting | 6.244 | 0.350 | -0.173 |
| Breaking Toys/Objects | 3.877 | 1.047 | 2.348 |
| Hitting Others | 8.585 | -0.573 | -2.106 |
| Kicking Others | 10.342 | -1.396 | 0.254 |
| Biting Others | 3.505 | 1.788 | -1.379 |
| Stamping Feet | -0.684 | 2.172 | 1.819 |
| Holding Breath | 0.264 | 3.033 | -2.468 |
| Hitting Wall | 0.575 | 3.372 | 4.925 |
| Hitting Self | -0.321 | 6.000 | -0.101 |
| Non-Directed/Kicking Self | -0.186 | 1.702 | 4.341 |
| Biting Self | 1.038 | 4.022 | 0.142 |
| Head Banging | 0.240 | 5.361 | 2.169 |
| Kicking Objects | 2.971 | -0.848 | 4.644 |
| Other | -0.266 | 0.024 | 0.462 |
| RMSEA = 0.046 [90% CI: 0.03 – 0.06], CFI = 0.99, TLI = 0.98 |

Supplemental Table S4. *Prevalence of tantrum behaviors based in the sample for the tantrum items included in the two factor solution*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Total *N* | *n* endorsed | % endorsed |
| “Aggression Towards Others/Objects” Factor | Throwing objects | 290 | 160 | 55.2 |
| Spitting | 283 | 55 | 19.4 |
| Hitting others | 288 | 152 | 52.8 |
| Kicking others | 279 | 101 | 36.2 |
| Biting others | 276 | 41 | 14.9 |
| “Aggression Towards Self” Factor | Stamping feet | 295 | 159 | 53.9 |
| Hitting wall | 285 | 112 | 39.3 |
| Hitting self | 274 | 38 | 13.9 |
| Biting self | 272 | 14 | 5.2 |
| Head banging | 274 | 28 | 10.2 |

Supplemental Table S5. *Descriptive statistics and correlations between all of the predictors included in the MLMs (N=299)*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Mean (*SD*) or % (*N*) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. T1 age
 | 4.45 (.80) | 1.00 |  |  |  |  |  |  |  |  |  |  |  |
| 1. Male sex
 | 52.2 (156) | .07 | 1.00 |  |  |  |  |  |  |  |  |  |  |
| 1. Preschool ACEs
 | 4.02 (2.76) | .17\* | -.11 | 1.00 |  |  |  |  |  |  |  |  |  |
| 1. Preschool MDD severity
 | 2.30 (1.54) | .15\* | .08 | .23\*\* | 1.00 |  |  |  |  |  |  |  |  |
| 1. Preschool Anxiety severity
 | 2.12 (2.33) | .08 | -.03 | .26\*\* | .54\*\* | 1.00 |  |  |  |  |  |  |  |
| 1. Preschool ADHD severity
 | 3.86 (4.25) | .11 | .10 | .31\*\* | .59\*\* | .38\*\*  | 1.00 |  |  |  |  |  |  |
| 1. Preschool ODD severity
 | 1.82 (1.62) | .01 | .14\* | .22\*\* | .54\*\*  | .46\*\*  | .62\*\* | 1.00 |  |  |  |  |  |
| 1. Preschool CD severity
 | 1.05 (1.33) | .08 | .16\* | .25\*\* | .46\*\*  | .42\*\*  | .64\*\* | .67\*\* | 1.00 |  |  |  |  |
| 1. “Aggression to objects/others” factor
 | 1.70 (1.60) | -.09 | .14\* | .10\* | .41\*\*  | .30\*\*  | .46\*\* | .54\*\*  | .44\*\* | 1.00 |  |  |  |
| 1. “Aggression to self” factor
 | 1.17 (1.21) | .02 | .08 | .19\* | .41\*\*  | .28\*\* | .42\*\*  | .44\*\*  | .41\*\*  | .47\*\*  | 1.00 |  |  |
| 1. Tantrum frequency
 | 33.04 (83.58) | -.06 | .04 | .09 | .17\* | .14\* | .29\*\* | .38\*\* | .23\*\* | .31\*\* | .22\*\* | 1.00 |  |
| 1. Tantrum duration (minutes)
 | 11.15 (14.01) | -.06 | .00 | .20\*\* | .34\*\* | .22\*\* | .34\*\* | .33\*\* | .27\*\* | .36\*\* | .43\*\* | .13\* | 1.00 |

*Note*: \* p<.05, \*\* p<.001