**Supplementary Material**

**Table S1a** Comparison of baseline sample characteristics between analysis sample (n=1623) and those without suicidality data (n=497)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Analysis sample n=1623 | Participants without suicidality data n=497 | p-value |
| Participant |  |  |  |
| *Girls, %* | 52.1 | 39.2 | <.001 |
| *First-born, %* | 44.2 | 43.9 | .197 |
| *Physical aggression, median (IQR)* | 1.33 (1.6) | 1.75 (2.8) | .038 |
| *Depressive and anxiety symptoms, mean (SD)* | 2.02 (1.1) | 2.08 (1.3) | .580 |
| *Irritability, median (IQR)* | 3.33 (1.3) | 3.67 (1.2) | .184 |
| Mother |  |  |  |
| *Age, mean (SD)* | 29.39 (5.2) | 28.99 (5.4) | .130 |
| *Depressive symptoms, median (IQR)* | 1.08 (1.3) | 1.07 (1.5) | .137 |
| *Anxiety, median (IQR)* | .88 (1.4) | .88 (1.6) | .700 |
| *Youth antisocial behavior, median (IQR)* | 1.0 (1.0) | 1.0 (1.0) | .590 |
| *Stimulation, mean (SD)* | 4.80 (2.4) | 4.48 (2.3) | .015 |
| Family |  |  |  |
| *Socioeconomic status, mean (SD)* | 0.07 (1.0) | -.23 (1.0) | .000 |
| *Single-parent family, %* | 7.2 | 10.9 | .009 |

aData were compiled from the final master file of the Québec Longitudinal Study of Child Development (1998-2018), © Gouvernement du Québec, Institut de la Statistique du Québec

**Table S2a** Missing data in analysis sample

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Number of missing data** | **Number of valid observations** | **% of missing data** |
| Birth order | 0 | 1623 | 0 |
| Child sex | 0 | 1623 | 0 |
| Suicidal ideation | 0 | 1623 | 0 |
| Suicide attempt | 0 | 1623 | 0 |
| Suicidality | 0 | 1623 | 0 |
| Maternal depressive symptoms | 0 | 1623 | 0 |
| Maternal age | 1 | 1622 | 0.1 |
| Family status | 6 | 1617 | 0.4 |
| SES | 6 | 1617 | 0.4 |
| Difficult temperament | 7 | 1616 | 0.4 |
| Family functioning | 11 | 1612 | 0.7 |
| Maternal antisocial behaviour | 52 | 1571 | 3.2 |
| Maternal anxiety symptoms | 88 | 1535 | 5.4 |
| HOME verbalization | 152 | 1471 | 9.4 |
| Social withdrawal | 157 | 1466 | 9.7 |
| Loneliness | 183 | 1440 | 11.3 |
| HOME stimulation | 190 | 1433 | 11.7 |
| Irritability | 268 | 1355 | 16.5 |
| Depression/anxiety symptoms | 466 | 1157 | 28.7 |
| Physical aggression | 467 | 1156 | 28.8 |

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**Table S3a** Correlations between exposure, mediator, outcome, and control variables

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** |
| ***Exposure (5 months – 7 years)*** |  |  |  |  |
| 1. Maternal depressive symptoms |  |  |  |  |
| ***Mediators (10 – 13 years)*** |  |  |  |  |
| 2. Loneliness | .08\* |  |  |  |
| 3. Social withdrawal | .12\* | .43\* |  |  |
| ***Outcome (13 – 20 years)*** |  |  |  |  |
| 4. Suicidality | .06\* | .16\* | .10\* |  |
| ***Covariates (5 months – 6 years)*** |  |  |  |  |
| 5. Birth order | .04\* | .05\* | -.04 | .05\* |
| 6. Physical aggression | .17\* | .07\* | .16\* | .03 |
| 7. Depression and anxiety symptoms | .20\* | .13\* | .22\* | -.00 |
| 8. Irritability | .18\* | .02 | .10\* | .03 |
| 9. Maternal age | -.09\* | -.02 | -.12\* | -.00 |
| 10. Maternal anxiety | .42\* | .02 | .08\* | .01 |
| 11. Maternal antisocial behavior | .10\* | -.01 | .04 | .06\* |
| 12.Stimulation | -.08\* | .11\* | -.04 | -.04 |
| 13. Socioeconomic status | .27\* | -.06\* | -.14\* | -.08\* |
| 14. Single-parent family | .17\* | .05\* | .05\* | .05\* |

\*p<.05

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**Figure S1a** Mediation models of the adjusted associations (*β* and OR [95% confidence intervals]) between exposure to maternal depressive symptoms during childhood and adolescent suicidal ideation and attempt between 13 and 20 years

\*p<0.05

p≥0.05

**A**

Maternal depressive symptoms

(5 months – 7 years)

Suicidal ideation

(13-20 years)

Social withdrawal

(10-13 years)

Loneliness

(10-13 years)

OR=1.19\*

[1.00-1.41]

.05\*

[.00-.10]

OR=1.14

[.93-1.41]

.08

[-.01-.17]

OR=1.07

[.93-1.23]

**B**

Maternal depressive symptoms

(5 months – 7 years)

Suicidal attempt

(13-20 years)

Social withdrawal

(10-13 years)

Loneliness

(10-13 years)

OR=.98

[.82-1.18]

OR=1.02

[.89-1.17

OR=1.64\*

[1.32-2.02]

.08

[-.01-.17]

.05\*

[.00-.10]

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