SUPPLEMENTARY ONLINE MATERIALS

Table A1: *Correlations Between Father’s and Mother’s Domestic Behaviors*

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| (1) Father warmth, age 6 | 1.00 |  |  |  |  |  |  |  |  |  |  |  |
| (2) Father childcare, age 6 | 0.21 | 1.00 |  |  |  |  |  |  |  |  |  |  |
| (3) Father housework, age 6 | 0.08 | 0.28 | 1.00 |  |  |  |  |  |  |  |  |  |
| (4) Mother warmth, age 6 | 0.24 | 0.07 | -0.00 | 1.00 |  |  |  |  |  |  |  |  |
| (5) Mother childcare, age 6 | 0.03 | 0.29 | 0.09 | 0.05 | 1.00 |  |  |  |  |  |  |  |
| (6) Mother housework, age 6 | -0.01 | 0.14 | 0.13 | -0.02 | 0.45 | 1.00 |  |  |  |  |  |  |
| (7) Father warmth, age 12 | 0.55 | 0.12 | -0.00 | 0.21 | -0.05 | -0.05 | 1.00 |  |  |  |  |  |
| (8) Father childcare, age 12 | 0.13 | 0.23 | 0.13 | 0.06 | 0.07 | 0.00 | 0.12 | 1.00 |  |  |  |  |
| (9) Father housework, age 12 | 0.02 | 0.19 | 0.36 | -0.00 | 0.00 | -0.02 | -0.00 | 0.45 | 1.00 |  |  |  |
| (10) Mother warmth, age 12 | 0.19 | 0.05 | -0.02 | 0.52 | 0.03 | -0.02 | 0.29 | 0.07 | 0.00 | 1.00 |  |  |
| (11) Mother childcare, age 12 | 0.05 | 0.02 | -0.00 | 0.06 | 0.02 | 0.03 | 0.02 | 0.06 | -0.01 | 0.07 | 1.00 |  |
| (12) Mother housework, age 12 | -0.00 | -0.01 | -0.02 | 0.00 | 0.05 | 0.25 | -0.00 | -0.01 | -0.06 | -0.00 | 0.29 | 1.00 |

*Source:* Longitudinal Study of Australian Children. K Cohort, Waves 2 and 5.

Table A2: *Father’s and Mother’s Emotional Attachment to Child(ren) Loading Factors*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Father | | | | Mother | | | |
|  | Child Age 6 | | Child Age 12 | | Child Age 6 | | Child Age 12 | |
| Variable | Factor1 | Factor2 | Factor1 | Factor2 | Factor1 | Factor2 | Factor1 | Factor2 |
| Hugs study child regularly | **0.475** | -0.404 | **0.365** | -0.404 | **0.376** | -0.544 | **0.555** | -0.534 |
| Reasons when misbehaves | **0.300** | -0.215 | **0.450** | -0.215 | **0.289** | -0.335 | **0.270** | -0.298 |
| Expresses happiness to child | **0.544** | -0.495 | **0.556** | -0.495 | **0.435** | -0.435 | **0.649** | -0.535 |
| Explains reason for correction | 0.238 | -0.154 | **0.310** | -0.154 | 0.225 | -0.234 | **0.278** | -0.224 |
| Warm encounters with child | **0.717** | -0.627 | **0.693** | -0.627 | **0.758** | -0.467 | **0.677** | -0.627 |
| Enjoys doing things w/ child | **0.515** | -0.420 | **0.545** | -0.420 | **0.510** | -0.333 | **0.345** | -0.420 |
| Close when happy or upset | **0.624** | -0.523 | **0.594** | -0.523 | **0.462** | -0.552 | **0.564** | -0.443 |
| Displays physical affection | **0.477** | -0.416 | **0.374** | -0.416 | **0.643** | -0.665 | **0.568** | -0.636 |
| Praises child’s behavior | **0.321** | -0.270 | **0.251** | -0.270 | **0.267** | -0.363 | **0.432** | -0.467 |
| Make sure child completes requests | **0.253** | -0.074 | 0.203 | -0.074 | **0.254** | -0.076 | **0.278** | -0.400 |
| Disapprove of child behavior | -0.488 | **0.594** | -0.424 | **0.594** | -0.528 | 0.594 | -0.744 | 0.496 |
| Child gets out of punishment | 0.066 | -0.046 | 0.166 | -0.046 | 0.125 | -0.046 | 0.075 | -0.142 |
| Child gets away unpunished | -0.778 | **0.882** | -0.468 | **0.882** | -0.648 | 0.882 | -0.468 | **0.782** |
| Angry when punishing | -0.291 | **0.361** | -0.231 | **0.464** | -0.631 | 0.361 | -0.221 | **0.441** |
| Has problems managing | -0.810 | **0.969** | -0.867 | **0.532** | -0.740 | 0.969 | -0.536 | **0.579** |
| Child ignores punishment | -0.434 | **0.488** | -0.323 | **0.578** | -0.744 | 0.568 | -0.466 | **0.345** |

*Source:* Longitudinal Study of Australian Children. K Cohort, Waves 2 and 5.

*Note:* Factor loadings that are larger than .25 in absolute value are in bold. Factor 1 = index of parent-child emotional attachment (warmth).

Table A3: *Regression Models of Children’s Gender-Roles Attitudes - Unstandardized Coefficients*

|  |  |  |
| --- | --- | --- |
|  | *β* | *SE* |
| Father warmth, child age 6 | -0.011 | 0.018 |
| Father childcare, child age 6 | 0.002\* | 0.001 |
| Father housework, child age 6 | 0.001 | 0.002 |
| Mother warmth, child age 6 | 0.001 | 0.012 |
| Mother childcare, child age 6 | -0.001 | 0.001 |
| Mother housework, child age 6 | -0.000 | 0.001 |
| Father warmth, child age 12 |  |  |
| Below average | Ref. | Ref. |
| Average | 0.004 | 0.038 |
| Above average | -0.023 | 0.036 |
| Father childcare, child age 12 |  |  |
| Father not involved (<1 hour) | Ref. | Ref. |
| 1-10 hours per week | 0.032 | 0.037 |
| <10 hours per week | 0.086 | 0.041 |
| Father housework, child age 12 |  |  |
| Father not involved (<1 hour) | Ref. | Ref. |
| 1-10 hours per week | 0.139 | 0.101 |
| <10 hours per week | 0.252\*\* | 0.102 |
| Mother warmth, child age 12 |  |  |
| Below average | Ref. | Ref. |
| Average | 0.039 | 0.037 |
| Above average | 0.092\* | 0.041 |
| Mother childcare, child age 12 |  |  |
| Father not involved (<1 hour) | Ref. | Ref. |
| 1-10 hours per week | 0.025 | 0.033 |
| <10 hours per week | 0.043 | 0.040 |
| Mother housework, child age 12 |  |  |
| Father not involved (<1 hour) | Ref. | Ref. |
| 1-10 hours per week | -0.013 | 0.041 |
| <10 hours per week | -0.104\* | 0.038 |
| *Constant* | 2.379 | 0.234 |
| *Controls* | Yes | |
| *N* | 2,796 | |

*Notes*: Longitudinal Study of Australian Children. K Cohort, waves 1-6. The model controls for all variables included in Model 4 of Table 2. Multiply imputed data. Full set of estimates available from the authors upon request. Significance levels: \* *p*<0.05, \*\* *p*<0.01, \*\*\* *p*<0.001.

Table A4: *Wave Number and Age of The Child When Each Variable Was Measured for Analysis of Table A5*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Wave 1 (age 4) | Wave 2 (age 6) | Wave 3 (age 8) | Wave 4 (age 10) | Wave 5 (age 12) | Wave 6 (age 14) |
| Child's gender-role attitudes |  |  |  |  |  | x |
| Father's warmth | x | x | x | x | x | x |
| Father's childcare time |  | x | x |  | x | x |
| Father's housework time |  | x | x |  | x | x |
| Mother’s warmth | x | x | x | x | x | x |
| Mother’s childcare |  | x | x |  | x | x |
| Mother's housework time |  | x | x |  | x | x |
| Father's gender role attitudes |  |  |  |  | x |  |
| Mother's gender role attitudes |  |  |  |  | x |  |
| Controls | x |  |  |  | x |  |

*Notes*: Longitudinal Study of Australian Children. K Cohort, waves 1-6. In control variables we used wave 1 for time-invariant information (i.e., child sex, child speaks English at home, age), wave 5 for variables indexing siblings’ composition (i.e., number and gender of siblings) and fathers’ and mothers’ employment. Fathers’ and mothers’ levels of education were measured using the highest level observed within the six waves.

Table A5: *Regression Models of Children’s Gender-Roles Attitudes Using Averages of   
10-year Values of Fathers’ and Mothers’ Domestic Behaviors - Standardized Coefficients*

|  |  |  |
| --- | --- | --- |
|  | 𝛽 | *SE* |
| Father’s warmth | -0.039 | 0.019 |
| Father’s childcare | 0.009 | 0.027 |
| Father’s housework | 0.049\* | 0.021 |
| Mother’s warmth | 0.061 | 0.019 |
| Mother’s childcare | -0.023 | 0.021 |
| Mother’s housework | -0.045\*\* | 0.019 |
| Father’s gender-role attitudes | 0.111\*\*\* | 0.022 |
| Mother’s gender-role attitudes | 0.112\*\*\* | 0.020 |
| Constant | -0.072 | 0.094 |
| *Controls* | Yes | |
| *N* | 2,796 | |

*Notes*: Longitudinal Study of Australian Children. K Cohort, waves 1-6. The model controls for all variables included in Model 4 of Table 2. Multiply imputed data. Full set of estimates available from the authors upon request. Significance levels: \* *p*<0.05, \*\* *p*<0.01, \*\*\* *p*<0.001.