

SUPPLEMENTAL MATERIALS

To Be Published Online Only

Juvenile Incarceration in an Adult Correctional Facility as a Risk Factor for Adolescent
Childrearing?

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Appendix A: NLSY97 Reference Numbers for the Measures Used in the Current Study

NLSY97 Data Website: <https://www.nlsinfo.org/investigator/pages/search?s=NLSY97#>

Reference numbers of the items/questions used in the current study:

"R0000100", "E8021201", "E8021202", "E8021203", "E8021204", "E8021205", "E8021206", "E8021207", "E8021208", "E8021209", "E8021210", "E8021211", "E8021212", "E8021301", "E8021302", "E8021303", "E8021304", "E8021305", "E8021306", "E8021307", "E8021308", "E8021309", "E8021310", "E8021311", "E8021312", "E8021401", "E8021402", "E8021403", "E8021404", "E8021405", "E8021406", "E8021407", "E8021408", "E8021409", "E8021410", "E8021411", "E8021412", "E8021501", "E8021502", "E8021503", "E8021504", "E8021505", "E8021506", "E8021507", "E8021508", "E8021509", "E8021510", "E8021511", "E8021512", "E8021601", "E8021602", "E8021603", "E8021604", "E8021605", "E8021606", "E8021607", "E8021608", "E8021609", "E8021610", "E8021611", "E8021612", "E8021701", "E8021702", "E8021703", "E8021704", "E8021705", "E8021706", "E8021707", "E8021708", "E8021709", "E8021710", "E8021711", "E8021712", "E8021801", "E8021802", "E8021803", "E8021804", "E8021805", "E8021806", "E8021807", "E8021808", "E8021809", "E8021810", "E8021811", "E8021812", "E8021901", "E8021902", "E8021903", "E8021904", "E8021905", "E8021906", "E8021907", "E8021908", "E8021909", "E8021910", "E8021911", "E8021912", "E8022001", "E8022002", "E8022003", "E8022004", "E8022005", "E8022006", "E8022007", "E8022008", "E8022009", "E8022010", "E8022011", "E8022012", "E8022101", "E8022102", "E8022103", "E8022104", "E8022105", "E8022106", "E8022107", "E8022108", "E8022109", "E8022110", "E8022111", "E8022112", "E8022201", "E8022202", "E8022203", "E8022204", "E8022205", "E8022206", "E8022207", "E8022208", "E8022209", "E8022210", "E8022211", "E8022212", "E8022301", "E8022302", "E8022303", "E8022304", "E8022305", "E8022306", "E8022307", "E8022308", "E8022309", "E8022310", "E8022311", "E8022312", "E8022401", "E8022402", "E8022403", "E8022404", "E8022405", "E8022406", "E8022407", "E8022408", "E8022409", "E8022410", "E8022411", "E8022412", "E8022501", "E8022502", "E8022503", "E8022504", "E8022505", "E8022506", "E8022507", "E8022508", "E8022509", "E8022510", "E8022511", "E8022512", "E8022601", "E8022602", "E8022603", "E8022604", "E8022605", "E8022606", "E8022607", "E8022608", "E8022609", "E8022610", "E8022611", "E8022612", "E8022701", "E8022702", "E8022703", "E8022704", "E8022705", "E8022706", "E8022707", "E8022708", "E8022709", "E8022710", "E8022711", "E8022712", "E8022801", "E8022802", "E8022803", "E8022804", "E8022805", "E8022806", "E8022807", "E8022808", "E8022809", "E8022810", "E8022811", "E8022812", "E8022901", "E8022902", "E8022903", "E8022904", "E8022905", "E8022906", "E8022907", "E8022908", "E8022909", "E8022910", "E8022911", "E8022912", "E8023001", "E8023002", "E8023003", "E8023004", "E8023005", "E8023006", "E8023007", "E8023008", "E8023009", "E8023010", "E8023011", "E8023012", "E8023101", "E8023102", "E8023103", "E8023104", "E8023105", "E8023106", "E8023107", "E8023108", "E8023109", "E8023110", "E8023111", "E8023112", "E8023201", "E8023202", "E8023203", "E8023204", "E8023205", "E8023206", "E8023207", "E8023208", "E8023209", "E8023210", "E8023211", "E8023212", "E8023301", "E8023302", "E8023303", "E8023304", "E8023305", "E8023306", "E8023307", "E8023308", "E8023309", "E8023310", "E8023311", "E8023312", "E8023401", "E8023402", "E8023403", "E8023404", "E8023405", "E8023406", "E8023407", "E8023408", "E8023409", "E8023410", "E8023411", "E8023412", "E8023501", "E8023502", "E8023503", "E8023504", "E8023505", "E8023506", "E8023507", "E8023508", "E8023509", "E8023510", "E8023511", "E8023512", "E8023601", "E8023602", "E8023603", "E8023604", "E8023605", "E8023606", "E8023607", "E8023608", "E8023609", "E8023610", "E8023611", "E8023612", "E8023701", "E8023702", "E8023703", "E8023704", "E8023705", "E8023706", "E802

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Appendix B: Parents of Children Compared to Non-Classified Parents

Table B1: Missing Case Analysis for Cases Missing Information Pertaining to the Control Variable

| | No Children | Children (14-35) | |
|--|-------------|------------------|----------|
| | Mean | Mean | <i>t</i> |
| <i>Time Varying Independent Variables</i> | | | |
| <i>Number of Months Incarcerated (13-34)</i> | | | |
| Number of Months Incarcerated: 13 Years of Age | 0.000 | 0.004 | 1.427 |
| Number of Months Incarcerated: 14 Years of Age | 0.004 | 0.011 | -1.512 |
| Number of Months Incarcerated: 15 Years of Age | 0.004 | 0.018 | -2.247 |
| Number of Months Incarcerated: 16 Years of Age | 0.009 | 0.020 | -1.479 |
| Number of Months Incarcerated: 17 Years of Age | 0.035 | 0.041 | -0.493 |
| Number of Months Incarcerated: 18 Years of Age | 0.067 | 0.086 | -1.095 |
| Number of Months Incarcerated: 19 Years of Age | 0.076 | 0.112 | -1.826 |
| Number of Months Incarcerated: 20 Years of Age | 0.083 | 0.142 | -2.731 |
| Number of Months Incarcerated: 21 Years of Age | 0.096 | 0.160 | -2.762 |
| Number of Months Incarcerated: 22 Years of Age | 0.129 | 0.193 | -2.389 |
| Number of Months Incarcerated: 23 Years of Age | 0.142 | 0.214 | -2.528 |
| Number of Months Incarcerated: 24 Years of Age | 0.156 | 0.229 | -2.459 |
| Number of Months Incarcerated: 25 Years of Age | 0.179 | 0.225 | -1.489 |
| Number of Months Incarcerated: 26 Years of Age | 0.182 | 0.245 | -1.956 |
| Number of Months Incarcerated: 27 Years of Age | 0.166 | 0.232 | -2.125 |
| Number of Months Incarcerated: 28 Years of Age | 0.143 | 0.222 | -2.704 |
| Number of Months Incarcerated: 29 Years of Age | 0.133 | 0.244 | -3.799 |
| Number of Months Incarcerated: 30 Years of Age | 0.137 | 0.234 | -3.317 |
| Number of Months Incarcerated: 31 Years of Age | 0.145 | 0.220 | -2.483 |
| Number of Months Incarcerated: 32 Years of Age | 0.129 | 0.198 | -2.487 |
| Number of Months Incarcerated: 33 Years of Age | 0.130 | 0.177 | -1.552 |
| Number of Months Incarcerated: 34 Years of Age | 0.121 | 0.166 | -1.353 |
| <i>Number of Arrests (13-34)</i> | | | |
| Number of Arrests: 13 Years of Age | 0.027 | 0.040 | |
| Number of Arrests: 14 Years of Age | 0.039 | 0.073 | -2.529 |
| Number of Arrests: 15 Years of Age | 0.050 | 0.095 | -4.764 |
| Number of Arrests: 16 Years of Age | 0.064 | 0.112 | -5.484 |
| Number of Arrests: 17 Years of Age | 0.073 | 0.107 | -5.136 |
| Number of Arrests: 18 Years of Age | 0.083 | 0.111 | -3.630 |
| Number of Arrests: 19 Years of Age | 0.075 | 0.104 | -2.510 |
| Number of Arrests: 20 Years of Age | 0.086 | 0.090 | -2.685 |
| Number of Arrests: 21 Years of Age | 0.061 | 0.094 | -0.197 |
| Number of Arrests: 22 Years of Age | 0.058 | 0.078 | -2.595 |
| Number of Arrests: 23 Years of Age | 0.036 | 0.080 | -2.011 |
| Number of Arrests: 24 Years of Age | 0.038 | 0.066 | -3.397 |
| Number of Arrests: 25 Years of Age | 0.044 | 0.053 | -3.908 |

| | | | |
|---|-------|-------|--------|
| Number of Arrests: 26 Years of Age | 0.032 | 0.048 | -1.311 |
| Number of Arrests: 27 Years of Age | 0.035 | 0.046 | -2.414 |
| Number of Arrests: 28 Years of Age | 0.023 | 0.042 | -1.431 |
| Number of Arrests: 29 Years of Age | 0.019 | 0.038 | -3.555 |
| Number of Arrests: 30 Years of Age | 0.020 | 0.035 | -4.346 |
| Number of Arrests: 31 Years of Age | 0.019 | 0.025 | -2.057 |
| Number of Arrests: 32 Years of Age | 0.018 | 0.023 | -1.310 |
| Number of Arrests: 33 Years of Age | 0.016 | 0.021 | -1.263 |
| Number of Arrests: 34 Years of Age | 0.008 | 0.017 | -1.102 |
| <i>Time Invariant Covariates</i> | | | |
| Parent Incarcerated Before 16 | 0.050 | 0.078 | -4.804 |
| Hispanic | 0.189 | 0.225 | -4.130 |
| White | 0.637 | 0.559 | 7.249 |
| Black | 0.218 | 0.297 | -8.315 |
| American Indian | 0.007 | 0.007 | -0.296 |
| Asian | 0.032 | 0.010 | 6.631 |
| Male | 0.600 | 0.462 | 12.720 |
| Sample (2 = Oversample) | 1.208 | 1.272 | -6.977 |
| Both Biological Parents in Household (1997) | 0.557 | 0.451 | 9.787 |
| 20+ Hours of Child Care First Year of Life | 0.298 | 0.285 | 1.210 |
| Experienced Hard Times (1997) | 0.042 | 0.063 | -4.019 |
| <hr/> | | | |
| Ncases | 3,253 | 5,731 | |
| <hr/> | | | |

Appendix C: Missing Case Analysis

Table C1: Missing Case Analysis for Cases Missing Information Pertaining to the Control Variable

| | Missing | Non-Missing | <i>t</i> |
|---|---------|-------------|----------|
| | Mean | Mean | |
| <i>Time Varying Dependent Variable</i> | | | |
| <i>Had Child (14-35)</i> | | | |
| Had Child: 14 Years of Age | 0.020 | 0.019 | -146.583 |
| Had Child: 15 Years of Age | 0.037 | 0.034 | -137.949 |
| Had Child: 16 Years of Age | 0.058 | 0.043 | -132.324 |
| Had Child: 17 Years of Age | 0.073 | 0.056 | -125.931 |
| Had Child: 18 Years of Age | 0.098 | 0.070 | -119.445 |
| Had Child: 19 Years of Age | 0.111 | 0.087 | -113.268 |
| Had Child: 20 Years of Age | 0.115 | 0.097 | -110.253 |
| Had Child: 21 Years of Age | 0.151 | 0.105 | -105.995 |
| Had Child: 22 Years of Age | 0.131 | 0.120 | -103.315 |
| Had Child: 23 Years of Age | 0.114 | 0.124 | -103.210 |
| Had Child: 24 Years of Age | 0.131 | 0.123 | -102.689 |
| Had Child: 25 Years of Age | 0.132 | 0.124 | -102.327 |
| Had Child: 26 Years of Age | 0.108 | 0.126 | -103.157 |
| Had Child: 27 Years of Age | 0.109 | 0.122 | -104.053 |
| Had Child: 28 Years of Age | 0.102 | 0.117 | -105.776 |
| Had Child: 29 Years of Age | 0.082 | 0.117 | -106.823 |
| Had Child: 30 Years of Age | 0.076 | 0.105 | -110.489 |
| Had Child: 31 Years of Age | 0.076 | 0.104 | -110.844 |
| Had Child: 32 Years of Age | 0.058 | 0.098 | -113.578 |
| Had Child: 33 Years of Age | 0.056 | 0.080 | -119.376 |
| Had Child: 34 Years of Age | 0.043 | 0.057 | -128.253 |
| Had Child: 35 Years of Age | 0.024 | 0.038 | -137.400 |
| <i>Time Varying Independent Variables</i> | | | |
| <i>Number of Months Incarcerated (13-34)</i> | | | |
| Number of Months Incarcerated: 13 Years of Age | 0.000 | 0.005 | -142.728 |
| Number of Months Incarcerated: 14 Years of Age | 0.008 | 0.012 | -120.546 |
| Number of Months Incarcerated: 15 Years of Age | 0.009 | 0.020 | -105.422 |
| Number of Months Incarcerated: 16 Years of Age | 0.034 | 0.016 | -109.640 |
| Number of Months Incarcerated: 17 Years of Age | 0.094 | 0.029 | -89.819 |
| Number of Months Incarcerated: 18 Years of Age | 0.095 | 0.084 | -62.823 |
| Number of Months Incarcerated: 19 Years of Age | 0.158 | 0.101 | -51.076 |
| Number of Months Incarcerated: 20 Years of Age | 0.206 | 0.128 | -42.439 |
| Number of Months Incarcerated: 21 Years of Age | 0.245 | 0.141 | -39.063 |
| Number of Months Incarcerated: 22 Years of Age | 0.268 | 0.176 | -33.671 |
| Number of Months Incarcerated: 23 Years of Age | 0.325 | 0.190 | -30.439 |
| Number of Months Incarcerated: 24 Years of Age | 0.324 | 0.208 | -28.521 |

| | | | |
|--|-------|-------|----------|
| Number of Months Incarcerated: 25 Years of Age | 0.282 | 0.212 | -29.340 |
| Number of Months Incarcerated: 26 Years of Age | 0.245 | 0.226 | -26.741 |
| Number of Months Incarcerated: 27 Years of Age | 0.268 | 0.213 | -28.068 |
| Number of Months Incarcerated: 28 Years of Age | 0.325 | 0.218 | -29.018 |
| Number of Months Incarcerated: 29 Years of Age | 0.324 | 0.229 | -27.118 |
| Number of Months Incarcerated: 30 Years of Age | 0.282 | 0.219 | -27.965 |
| Number of Months Incarcerated: 31 Years of Age | 0.238 | 0.216 | -28.811 |
| Number of Months Incarcerated: 32 Years of Age | 0.198 | 0.199 | -31.457 |
| Number of Months Incarcerated: 33 Years of Age | 0.185 | 0.175 | -32.190 |
| Number of Months Incarcerated: 34 Years of Age | 0.169 | 0.165 | -29.926 |
| <i>Number of Arrests (13-34)</i> | | | |
| Number of Arrests: 13 Years of Age | 0.042 | 0.039 | -123.494 |
| Number of Arrests: 14 Years of Age | 0.093 | 0.068 | -101.024 |
| Number of Arrests: 15 Years of Age | 0.118 | 0.090 | -89.869 |
| Number of Arrests: 16 Years of Age | 0.149 | 0.103 | -82.344 |
| Number of Arrests: 17 Years of Age | 0.126 | 0.103 | -83.021 |
| Number of Arrests: 18 Years of Age | 0.116 | 0.110 | -77.001 |
| Number of Arrests: 19 Years of Age | 0.125 | 0.100 | -77.682 |
| Number of Arrests: 20 Years of Age | 0.115 | 0.084 | -89.577 |
| Number of Arrests: 21 Years of Age | 0.125 | 0.087 | -66.369 |
| Number of Arrests: 22 Years of Age | 0.084 | 0.076 | -85.860 |
| Number of Arrests: 23 Years of Age | 0.068 | 0.082 | -56.006 |
| Number of Arrests: 24 Years of Age | 0.069 | 0.065 | -99.841 |
| Number of Arrests: 25 Years of Age | 0.058 | 0.052 | -114.532 |
| Number of Arrests: 26 Years of Age | 0.057 | 0.046 | -117.277 |
| Number of Arrests: 27 Years of Age | 0.030 | 0.050 | -101.756 |
| Number of Arrests: 28 Years of Age | 0.034 | 0.044 | -119.797 |
| Number of Arrests: 29 Years of Age | 0.040 | 0.038 | -127.658 |
| Number of Arrests: 30 Years of Age | 0.023 | 0.038 | -92.021 |
| Number of Arrests: 31 Years of Age | 0.018 | 0.027 | -126.646 |
| Number of Arrests: 32 Years of Age | 0.013 | 0.025 | -128.487 |
| Number of Arrests: 33 Years of Age | 0.021 | 0.020 | -132.992 |
| Number of Arrests: 34 Years of Age | 0.007 | 0.019 | -130.751 |
| <i>Time Invariant Covariates</i> | | | |
| Parent Incarcerated Before 16 | 0.070 | 0.079 | -117.042 |
| Hispanic | 0.303 | 0.208 | -78.2699 |
| White | 0.495 | 0.573 | -30.6386 |
| Black | 0.311 | 0.294 | -65.3049 |
| American Indian | 0.010 | 0.006 | -154.053 |
| Asian | 0.025 | 0.007 | -152.173 |
| Male | 0.481 | 0.458 | -42.3119 |
| Sample (2 = Oversample) | 1.322 | 1.261 | 58.57691 |
| Both Biological Parents in Household (1997) | 0.381 | 0.466 | -43.7469 |

| | | | |
|--|-------|-------|----------|
| 20+ Hours of Child Care First Year of Life | 0.234 | 0.289 | -64.6896 |
| Experienced Hard Times (1997) | 0.105 | 0.059 | -122.147 |
| <hr/> | | | |
| Ncases | 1,059 | 4,672 | |
| <hr/> | | | |

Appendix D: Supplemental Analysis regressing Having a Child (13-34) on the Number of Months Incarcerated (14-35)

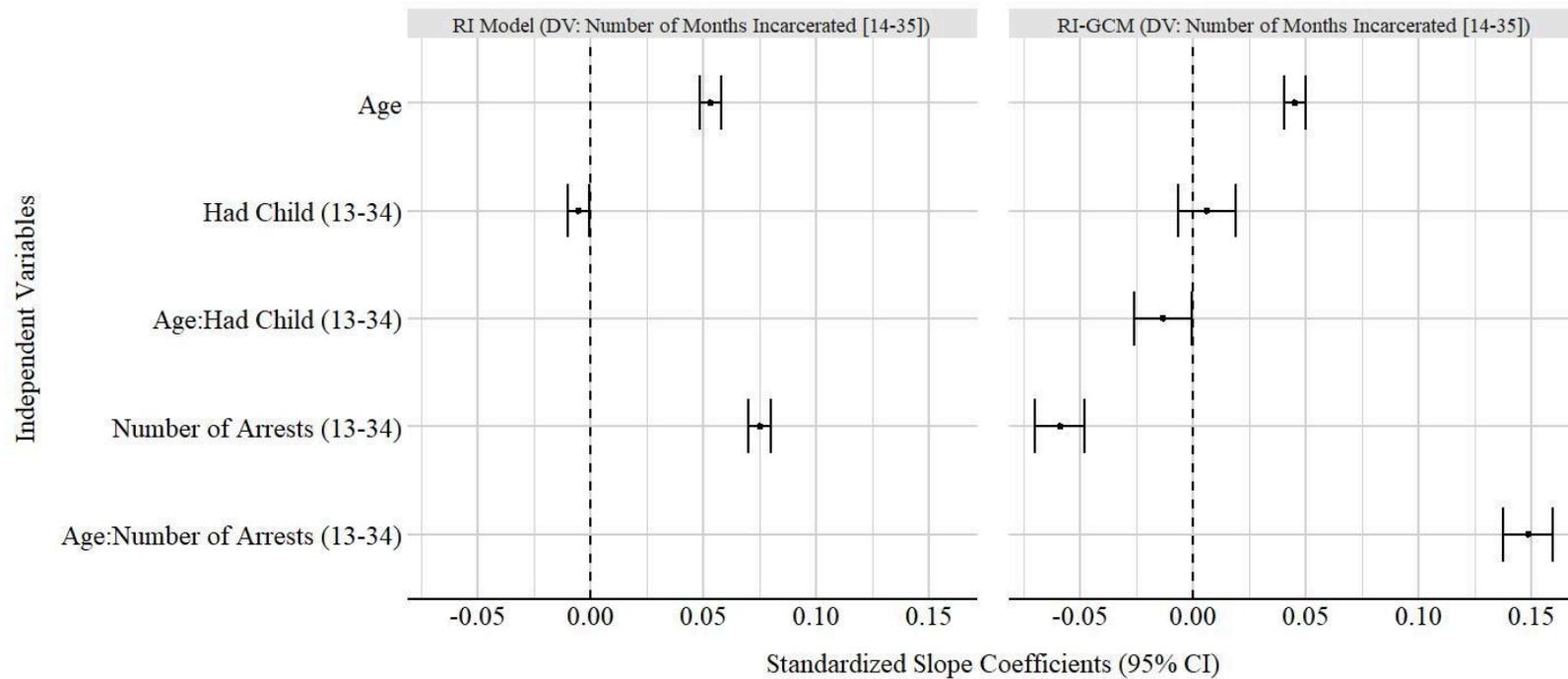


Figure D1: Estimated Direct Effects (RI-M) and Interaction Effects (RI-GCM) of Having a Child (13-34) on the Number of Months Incarcerated (14-35).

Notes: The results of the full model are provided in Table D1. The direct effects of having a child (13-34) on months incarcerated (14-35) reached a *p*-level of .022, while the interaction effects of Age*having a child (13-34) on months incarcerated (14-35) reached a *p*-level of .047. Both of these represent non-significant effects when adjusting the *p*-values for the number of models estimated using a Bonferroni correction ($p < .05 = p < .0127$).

Table D1: Estimated Direct Effects (RI-M) and Interaction Effects (RI-GCM) of Number of Arrests (13-34), Had Child (13-34), and Time Invariant Covariates on Number of Months Incarcerated (14-35).

| | DV: Number of Months Incarcerated (14-35) | | | | | | | | | | | | | | |
|---|---|-------|-----------------|---------|-----------|-----------|--|---------|-----------------|--------|-----------|-----------|--|--|--|
| | Model 1: Random Intercept Model | | | | | | Model 2: Random Intercept Growth Curve Model | | | | | | | | |
| | <i>b</i> | SE | <i>p</i> -value | OR | L-OR95%CI | U-OR95%CI | <i>b</i> | SE | <i>p</i> -value | OR | L-OR95%CI | U-OR95%CI | | | |
| <i>Time Varying</i> | | | | | | | | | | | | | | | |
| Age | 0.011 | 0.000 | 0.000 | 0.053 | 0.010 | 0.012 | 0.009 | 0.001 | 0.000 | 0.045 | 0.008 | 0.010 | | | |
| Had Child (13-34) | -0.024 | 0.011 | 0.022 | -0.005 | -0.045 | -0.003 | 0.028 | 0.029 | 0.326 | 0.006 | -0.028 | 0.084 | | | |
| Number of Arrests (13-34) | 0.199 | 0.007 | 0.000 | 0.075 | 0.186 | 0.212 | -0.156 | 0.015 | 0.000 | -0.059 | -0.185 | -0.127 | | | |
| <i>Interaction Terms</i> | | | | | | | | | | | | | | | |
| Age: Had Child (13-34) | -- | -- | -- | -- | -- | -- | -0.004 | 0.002 | 0.047 | -0.013 | -0.008 | 0.000 | | | |
| Age: Number of Arrests (13-34) | -- | -- | -- | -- | -- | -- | 0.037 | 0.001 | 0.000 | 0.149 | 0.035 | 0.040 | | | |
| <i>Time Invariant</i> | | | | | | | | | | | | | | | |
| Parent Incarcerated Before 16 | 0.155 | 0.035 | 0.000 | 0.034 | 0.086 | 0.225 | 0.155 | 0.035 | 0.000 | 0.034 | 0.085 | 0.224 | | | |
| Hispanic | 0.017 | 0.032 | 0.605 | 0.006 | -0.046 | 0.079 | 0.017 | 0.032 | 0.593 | 0.006 | -0.046 | 0.080 | | | |
| White | 0.021 | 0.036 | 0.558 | 0.008 | -0.050 | 0.093 | 0.023 | 0.037 | 0.536 | 0.009 | -0.049 | 0.094 | | | |
| Black | 0.174 | 0.043 | 0.000 | 0.064 | 0.090 | 0.259 | 0.175 | 0.043 | 0.000 | 0.064 | 0.090 | 0.259 | | | |
| American Indian | -0.016 | 0.117 | 0.889 | -0.001 | -0.245 | 0.213 | -0.013 | 0.117 | 0.915 | -0.001 | -0.242 | 0.217 | | | |
| Asian | 0.077 | 0.100 | 0.442 | 0.006 | -0.119 | 0.273 | 0.081 | 0.100 | 0.419 | 0.007 | -0.115 | 0.277 | | | |
| Male | 0.270 | 0.019 | 0.000 | 0.108 | 0.233 | 0.307 | 0.273 | 0.019 | 0.000 | 0.109 | 0.236 | 0.310 | | | |
| Sample (2 = Oversample) | 0.042 | 0.026 | 0.102 | 0.015 | -0.008 | 0.093 | 0.041 | 0.026 | 0.113 | 0.015 | -0.010 | 0.092 | | | |
| Both Biological Parents in Household (1997) | -0.123 | 0.020 | 0.000 | -0.049 | -0.163 | -0.084 | -0.125 | 0.020 | 0.000 | -0.050 | -0.164 | -0.085 | | | |
| 20+ Hours of Child Care First Year of Life | -0.026 | 0.021 | 0.218 | -0.009 | -0.067 | 0.015 | -0.027 | 0.021 | 0.198 | -0.010 | -0.068 | 0.014 | | | |
| Experienced Hard Times (1997) | -0.018 | 0.039 | 0.647 | -0.003 | -0.094 | 0.059 | -0.020 | 0.039 | 0.610 | -0.004 | -0.097 | 0.057 | | | |
| <i>N</i> _{observations} | | | | 120,129 | | | | 120,129 | | | | | | | |
| Variance Component | | | | | | | | | | | | | | | |
| σ^2 | | | | | | STD. | | | | | | | | | |
| Parameters | | | | | | | | | | | | | | | |
| Individual | | | | | | | | | | | | | | | |
| <i>N</i> _{individuals} | | | | 5,731 | | | | 5,731 | | | | | | | |

Notes: “SE” = Standard Error; “OR” = Odds Ratio; “L-OR95%CI” = Lower 95% confidence interval for the Odds Ratio; “U-OR95%CI” = Upper 95% confidence interval for the Odds Ratio. The direct effects of having a child (13-34) on months incarcerated (14-35) reached a *p*-level of .022, while the interaction effects of Age*having a child (13-34) on months incarcerated (14-35) reached a *p*-level of .047. Both of these represent non-significant effects when adjusting the *p*-values for the number of models estimated using a Bonferroni correction ($p < .05 = p < .0127$).