**Appendix**

A1: Labor market outcomes

A1.1: Any criminal record

Table A1.1.1

*The relationship between any vs. no criminal record at age 25 and labor market outcomes at age 41-49. Regression estimates from bivariate OLS models*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HS dropout** | **No higher ed.** | **Unemployed** | **Part time** | **Sick leave** | **Wages** | **Total income** | **Welfare** | **Savings** |
| Intercept | 0.0438\*\*\* | 0.2820\*\*\* | 0.0887\*\*\* | 0.2260\*\*\* | 0.2770\*\*\* | 611553.3\*\*\* | 739645.4\*\*\* | 0.0069\*\*\* | 269133.4\*\*\* |
| Criminal record | 0.1040\*\*\* | 0.2440\*\*\* | 0.0587\*\* | -0.0087 | 0.0038 | -46305.5\* | -47833.5\* | 0.0247\* | -96882.9\*\*\* |
| *n* | *2022* | *2022* | *2022* | *2022* | *2022* | *2022* | *2020* | *2022* | *2022*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Table A1.1.2

*The relationship between any vs. no criminal record at age 25 and labor market outcomes at age 41-49.*

*Regression estimates from multivariate OLS models*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HS dropout** | **No higher ed.** | **Unemployed** | **Part time** | **Sick leave** | **Wages** | **Total income** | **Welfare** | **Savings** |
| Intercept | 0.3370\*\*\* | 1.1320\*\*\* | 0.1970\* | 0.1430 | 0.4230\*\*\* | 151067.2+ | 294396.8\*\* | 0.1180\*\* | -53817.9  |
| **Criminal record** | **0.0753\*\*\*** | **0.1160\*\*\*** | **0.0480+** | **0.0257** | **0.0440** | **-74735.8\*\*** | **-70736.3\*\*** | **0.0093** | **-77078.9\*\***  |
| Female | -0.0074 | -0.1040\*\*\* | -0.0157 | 0.1520\*\*\* | 0.1610\*\*\* | -231255.7\*\*\* | -224475.4\*\*\* | -0.0041 | -56536.0\*  |
| Immigrant | 0.0135 | -0.0302 | 0.0283 | -0.0558+ | -0.0459 | 10110.8 | 35693.4 | 0.0245\* | 56467.1  |
| Age | -0.0058 | 0.0023 | 0.0059 | 0.0070 | -0.0118 | 9595.9+ | 4809.0 | -0.0032\* | 6436.5  |
| SES: Low | 0.0307 | 0.0690 | 0.0105 | -0.0658+ | -0.0193 | -29459.2 | -23272.5 | 0.0125 | -31183.3  |
| SES: High | -0.0200+ | -0.1700\*\*\* | 0.0161 | -0.0264 | -0.0601\*\* | 70221.9\*\*\* | 90785.9\*\*\* | -0.0116\*\* | 62382.3\*  |
| Grades | -0.0434\*\*\* | -0.1550\*\*\* | -0.0256\* | -0.0308\* | -0.0117 | 64760.5\*\*\* | 70455.4\*\*\* | -0.0046 | 44963.2\*\*  |
| Parental monitoring | -0.0058 | -0.0273\* | -0.0194\* | 0.0056 | 0.0006 | 35688.0\*\*\* | 38241.9\*\* | -0.0090\* | 9658.1  |
| Conduct problems | 0.0086 | 0.0141 | -0.0010 | 0.0063 | 0.0139 | -9054.3 | -9808.5 | 0.0084 | -1205.0  |
| Peers’ conduct problems | 0.0036 | 0.0257+ | -0.0024 | -0.0055 | -0.0039 | 8294.0 | 18024.3 | -0.0015 | -385.8  |
| *n* | *1788* | *1788* | *1788* | *1788* | *1788* | *1788* | *1786* | *1788* | *1788*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Estimates for criminal record (in bold) correspond to those reported in Table 2 in the main manuscript.

Table A1.1.3

*The relationship between any vs. no criminal record at age 25 and labor market outcomes at age 41-49.*

*Regression estimates from multivariate OLS models with interaction term between criminal record and low SES*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HS dropout** | **No higher ed.** | **Un-employed** | **Part time** | **Sick leave** | **Wages** | **Total income** | **Welfare** | **Savings** |
| Intercept | 0.3390\*\*\* | 1.1300\*\*\* | 0.1980\* | 0.1440 | 0.4230\*\*\* | 150598.1 | 293390.9\*\* | 0.1180\*\* | -55627.3  |
| Criminal record | 0.0810\*\*\* | 0.1280\*\*\* | 0.0487+ | 0.0321 | 0.0494 | -82073.9\*\* | -81940.6\*\* | 0.0122 | -87072.8\*\*  |
| SES: Low | 0.0462 | 0.1250\*\* | 0.0089 | -0.0474 | 0.00308 | -57632.2+ | -63040.0\* | 0.0206 | -63506.4  |
| **Criminal record\*SES: Low** | **-0.0475** | **0.0785** | **-0.0317** | **-0.0497** | **0.0129** | **-1238.7** | **19896.7** | **-0.0218** | **45585.3**  |
| Female | -0.0065 | -0.0957\*\*\* | -0.0166 | 0.1530\*\*\* | 0.1640\*\*\* | -234773.2\*\*\* | -228933.0\*\*\* | -0.0036 | -59534.3\*  |
| Immigrant | 0.0092 | -0.0684\* | 0.0320 | -0.0615\* | -0.0594+ | 25790.1 | 55901.5 | 0.0220+ | 70228.0  |
| Age | -0.0058 | 0.0038 | 0.0057 | 0.0071 | -0.0113 | 9078.9 | 4189.5 | -0.0031\* | 6100.4  |
| Grades | -0.0460\*\*\* | -0.1760\*\*\* | -0.0236\* | -0.0342\* | -0.0191 | 73523.8\*\*\* | 81840.0\*\*\* | -0.0061+ | 52856.7\*\*  |
| Parental monitoring | -0.0061 | -0.0302\* | -0.0191\* | 0.0052 | -0.0004 | 36868.6\*\*\* | 39718.5\*\* | -0.0092\* | 10673.5  |
| Conduct problems | 0.0088 | 0.0115 | -0.0005 | 0.0064 | 0.0131 | -8264.5 | -8977.8 | 0.0085 | -942.0  |
| Peers’ conduct problems | 0.0034 | 0.0236+ | -0.0022 | -0.0057 | -0.0046 | 9110.0 | 19036.9 | -0.0016 | 268.1  |
| *n* | *1788* | *1788* | *1788* | *1788* | *1788* | *1788* | *1786* | *1788* | *1788*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Statistically significant estimates for the interaction term (in bold) are included in Table 4 in the main manuscript.

Table A1.1.4

*The relationship between any vs. no criminal record at age 25 and labor market outcomes at age 41-49.*

*Regression estimates from multivariate OLS models with interaction term between criminal record and high SES*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HS dropout** | **No higher ed.** | **Unemployed** | **Part time** | **Sick leave** | **Wages** | **Total income** | **Welfare** | **Savings** |
| Intercept | 0.3390\*\*\* | 1.1330\*\*\* | 0.2120\*\* | 0.1290 | 0.4280\*\*\* | 148169.7 | 294637.1\*\* | 0.1190\*\* | -61790.6  |
| Criminal record | 0.0872\*\* | 0.1460\*\*\* | 0.0038 | 0.0361 | 0.0161 | -80491.4\*\* | -83983.6\*\* | 0.0112 | -66787.0\*  |
| SES: High | -0.0192\* | -0.1670\*\*\* | -0.0005 | -0.0154 | -0.0677\*\* | 71476.9\*\*\* | 88761.2\*\*\* | -0.0124\*\* | 69453.9\*  |
| **Criminal record\*SES: High** | **-0.0354** | **-0.0884** | **0.1260\*** | **-0.0267** | **0.0808** | **17836.3** | **39109.3** | **-0.0058** | **-27994.4**  |
| Female | -0.0071 | -0.1040\*\*\* | -0.0160 | 0.1510\*\*\* | 0.1610\*\*\* | -231487.8\*\*\* | -224738.5\*\*\* | -0.0040 | -56647.9\*  |
| Immigrant | 0.0139 | -0.0294 | 0.0292 | -0.0572+ | -0.0458 | 9632.3 | 35436.6 | 0.0247\* | 55703.4  |
| Age | -0.0055 | 0.0030 | 0.0056 | 0.0067 | -0.0122+ | 9362.6+ | 4549.8 | -0.0031\* | 6335.5  |
| Grades | -0.0444\*\*\* | -0.1580\*\*\* | -0.0265\* | -0.0282+ | -0.0113 | 65788.6\*\*\* | 71153.1\*\*\* | -0.0051 | 46249.4\*\*  |
| Parental monitoring | -0.0058 | -0.0273\* | -0.0191\* | 0.0054 | 0.0007 | 35684.7\*\*\* | 38302.9\*\* | -0.0090\* | 9560.0  |
| Conduct problems | 0.0087 | 0.0142 | 0.000165 | 0.0053 | 0.0144 | -9249.8 | -9762.5 | 0.0085 | -1796.0  |
| Peers’ conduct problems | 0.0037 | 0.0261+ | -0.0022 | -0.0060 | -0.0039 | 8116.9 | 17928.1 | -0.0015 | -648.7  |
| *n* | *1788* | *1788* | *1788* | *1788* | *1788* | *1788* | *1786* | *1788* | *1788*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Statistically significant estimates for the interaction terms (in bold) are included in Table 5 in the main manuscript.

A1.2: Seriousness of criminal record

Table A1.2.1

*The relationship between the number of offences in criminal record at age 25 and labor market outcomes at age 41-49. Regression estimates from bivariate OLS models*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HS dropout** | **No higher ed.** | **Unemployed** | **Part time** | **Sick leave** | **Wages** | **Total income** | **Welfare** | **Savings** |
| Intercept | 0.0496\*\*\* | 0.3000\*\*\* | 0.0931\*\*\* | 0.2270\*\*\* | 0.2770\*\*\* | 611626.6\*\*\* | 738768.2\*\*\* | 0.0062\*\* | 262322.2\*\*\* |
| Criminal record | 0.0218\*\*\* | 0.0436\*\*\* | 0.0112\* | -0.0044 | 0.00133 | -16519.6\*\*\* | -14950.3\*\*\* | 0.0116\* | -18807.5\*\*\* |
| Criminal record2 | -0.0001\* | -0.0004\*\*\* | -0.0001\* | 0.0000 | -0.0000 | 96.56\* | 98.91\*\* | -0.0001\* | 168.1\*\*\* |
| *n* | *2022* | *2022* | *2022* | *2022* | *2022* | *2022* | *2020* | *2022* | *2022*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Table A1.2.2

*The relationship between the number of offences in criminal record at age 25 and labor market outcomes at age 41-49. Regression estimates from multivariate OLS models*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HS dropout** | **No higher ed.** | **Unemployed** | **Part time** | **Sick leave** | **Wages** | **Total income** | **Welfare** | **Savings** |
| Intercept | 0.3430\*\*\* | 1.1490\*\*\* | 0.1900\* | 0.1610 | 0.4230\*\*\* | 161441.7+ | 302884.0\*\* | 0.1050\*\* | -48003.3  |
| **Criminal record** | **0.0206\*** | **0.0349\*\*** | **0.0256\*** | **0.0034** | **0.0190** | **-21550.5\*** | **-25541.2\*\*** | **0.0015** | **-29091.4\*\*\*** |
| **Criminal record2** | **-0.0005** | **-0.0011\*\*** | **-0.0009\*\*** | **-0.0003** | **-0.0007** | **255.3** | **593.4\*** | **0.00026** | **792.9\*\*\*** |
| Female | -0.0105 | -0.1090\*\*\* | -0.0144 | 0.1490\*\*\* | 0.1610\*\*\* | -228701.7\*\*\* | -223386.0\*\*\* | -0.0045 | -55497.4\*  |
| Immigrant | 0.0152 | -0.0279 | 0.0296 | -0.0557+ | -0.0449 | 7862.3 | 33654.4 | 0.0252\* | 54413.3  |
| Age | -0.0054 | 0.0022 | 0.0060 | 0.0063 | -0.0118 | 8168.6 | 3925.9 | -0.0021+ | 5781.3  |
| SES: Low | 0.0307 | 0.0707 | 0.0130 | -0.0653+ | -0.0176 | -28269.7 | -23784.7 | 0.0110 | -32359.6  |
| SES: High | -0.0214\* | -0.1720\*\*\* | 0.0160 | -0.0278 | -0.0606\*\* | 70749.0\*\*\* | 91235.3\*\*\* | -0.0111\*\* | 63049.6\*  |
| Grades | -0.0440\*\*\* | -0.1560\*\*\* | -0.0250\* | -0.0311\* | -0.0115 | 65499.8\*\*\* | 70670.5\*\*\* | -0.0049 | 45058.5\*\*  |
| Parental monitoring | -0.0065 | -0.0284\* | -0.0191\* | 0.0048 | 0.00052 | 35871.2\*\*\* | 38267.5\*\* | -0.0088\* | 9741.5  |
| Conduct problems | 0.0084 | 0.0171 | 0.0012 | 0.0087 | 0.0157 | -5559.2 | -8807.4 | 0.0048 | -1396.8  |
| Peers’ conduct problems | 0.0043 | 0.0270+ | -0.0038 | -0.0040 | -0.0043 | 8546.2 | 18706.7 | -0.0021 | 274.3  |
| *n* | *1788* | *1788* | *1788* | *1788* | *1788* | *1788* | *1786* | *1788* | *1788*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Estimates for criminal record (in bold) correspond to those reported in Table 2 in the main manuscript.

Table A1.2.3

*The relationship between the number of offences in criminal record at age 25 and labor market outcomes at age 41-49. Regression estimates from multivariate OLS models with interaction term between criminal record and low SES*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HS dropout** | **No higher ed.** | **Un-employed** | **Part time** | **Sick leave** | **Wages** | **Total income** | **Welfare** | **Savings** |
| Intercept | 0.3550\*\*\* | 1.1720\*\*\* | 0.2070\* | 0.1650 | 0.4320\*\*\* | 158052.8+ | 292186.8\*\* | 0.1030\*\* | -63574.5  |
| Criminal record | 0.0093 | 0.0174\*\* | 0.0063 | 0.0007 | 0.0118 | -20999.1\*\*\* | -17959.1\*\*\* | 0.0038 | -15296.7\*\*\* |
| SES: Low | 0.0359 | 0.1460\*\*\* | 0.0047 | -0.0497 | 0.0181 | -64280.6\* | -66909.0\* | 0.0086 | -60385.0  |
| **Criminal record\*SES: Low** | **0.0028** | **-0.0190\*** | **-0.0029** | **-0.0101** | **-0.0259\*\*** | **15875.3+** | **16180.1\*** | **0.0147\*** | **10599.9**  |
| Female | -0.0128 | -0.1060\*\*\* | -0.0200 | 0.1500\*\*\* | 0.1620\*\*\* | -231649.8\*\*\* | -225281.3\*\*\* | -0.0038 | -54548.0\*  |
| Immigrant | 0.0100 | -0.0665\* | 0.0326 | -0.0619\* | -0.0582+ | 23380.0 | 53954.1 | 0.0226+ | 68743.2  |
| Age | -0.0051 | 0.0035 | 0.0060 | 0.0064 | -0.0117 | 7842.1 | 3372.7 | -0.0018 | 5316.3  |
| Grades | -0.0478\*\*\* | -0.1790\*\*\* | -0.0246\* | -0.0349\* | -0.0198 | 74572.9\*\*\* | 82985.0\*\*\* | -0.0062+ | 54311.7\*\*  |
| Parental monitoring | -0.0076 | -0.0324\* | -0.0198\* | 0.0043 | -0.0005 | 36946.9\*\*\* | 40127.2\*\* | -0.0092\*\* | 11571.6  |
| Conduct problems | 0.0057 | 0.0144 | -0.0013 | 0.0095 | 0.0179+ | -6997.2 | -8753.8 | 0.0025 | 182.0  |
| Peers’ conduct problems | 0.0059 | 0.0275+ | -0.0010 | -0.0043 | -0.0049 | 9706.2 | 18983.9 | -0.0018 | -808.7  |
| *n* | *1788* | *1788* | *1788* | *1788* | *1788* | *1788* | *1786* | *1788* | *1788*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Statistically significant estimates for the interaction terms (in bold) are included in Table 4 in the main manuscript.

Table A1.2.4

*The relationship between the number of offences in criminal record at age 25 and labor market outcomes at age 41-49. Regression estimates from multivariate OLS models with interaction term between criminal record and high SES*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HS dropout** | **No higher ed.** | **Un-employed** | **Part time** | **Sick leave** | **Wages** | **Total income** | **Welfare** | **Savings** |
| Intercept | 0.3580\*\*\* | 1.1830\*\*\* | 0.2110\*\* | 0.1560 | 0.4350\*\*\* | 152039.0+ | 287394.8\*\* | 0.1010\*\* | -69604.8  |
| Criminal record | 0.0081 | 0.0091 | 0.0010 | -0.0012 | -0.0004 | -15815.5\*\*\* | -12610.8\*\* | 0.0084+ | -9023.8\*  |
| SES: High | -0.0288\*\* | -0.1830\*\*\* | 0.0038 | -0.0181 | -0.0692\*\* | 74549.1\*\*\* | 94354.7\*\*\* | -0.0098\* | 73094.4\*\*  |
| **Criminal record\*SES: High** | **0.0127** | **0.0075** | **0.0373\*** | **-0.0088** | **0.0381\*** | **-1070.2** | **840.6** | **-0.0089+** | **-21009.3\***  |
| Female | -0.0126 | -0.1140\*\*\* | -0.0177 | 0.1470\*\*\* | 0.1590\*\*\* | -227493.9\*\*\* | -220096.1\*\*\* | -0.0033 | -52183.5+  |
| Immigrant | 0.0160 | -0.0269 | 0.0307 | -0.0574+ | -0.0442 | 7404.4 | 33506.7 | 0.0252\* | 53458.0  |
| Age | -0.0052 | 0.0027 | 0.0060 | 0.0060 | -0.0121 | 7961.0 | 3688.2 | -0.0020+ | 5621.9  |
| Grades | -0.0458\*\*\* | -0.1600\*\*\* | -0.0265\* | -0.0292\* | -0.0115 | 66931.9\*\*\* | 72473.4\*\*\* | -0.0050 | 47270.0\*\*  |
| Parental monitoring | -0.0069 | -0.0296\* | -0.0198\* | 0.0042 | 0.0001 | 36135.6\*\*\* | 39008.0\*\* | -0.0085\* | 10455.9  |
| Conduct problems | 0.00738 | 0.0139 | -0.0006 | 0.0067 | 0.0144 | -4957.4 | -6827.3 | 0.0056 | 427.5  |
| Peers’ conduct problems | 0.0055 | 0.0307\* | -0.0025 | -0.0032 | -0.0040 | 7614.2 | 16643.7 | -0.0025 | -1512.9  |
| *n* | *1788* | *1788* | *1788* | *1788* | *1788* | *1788* | *1786* | *1788* | *1788*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Statistically significant estimates for the interaction term are included in Table 4 in the main manuscript.

A.2: Social exclusion outcomes

A2.1: Any criminal record

Table A2.1.1

*The relationship between any vs. no criminal record at age 25 and social exclusion outcomes at age 41-49.*

*Regression estimates from bivariate OLS models*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Married** | **Kids** | **Living with someone** | **Loneliness** | **Alcohol consumption** | **Drug use** | **Voting** |
| Intercept | 0.5233\*\*\* | 0.8465\*\*\* | 0.8935\*\*\* | 9.3135\*\*\* | 4.0146\*\*\* | 0.4248\*\* | 0.9326\*\*\* |
| **Criminal record** | **-0.1233\*\*\*** | **0.0026** | **-0.0654\*\*** | **-0.1480** | **1.5625\*\*\*** | **3.5102\*\*\*** | **-0.0652\*\***  |
| *n* | *2022* | *2018* | *2022* | *2016* | *1991* | *1993* | *1986*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Table A2.1.2

*The relationship between any vs. no criminal record at age 25 and social exclusion outcomes at age 41-49.*

*Regression estimates from multivariate OLS models*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Married** | **Kids** | **Living with someone** | **Loneliness** | **Alcohol consumption** | **Drug use** | **Voting** |
| Intercept | -0.2175+ | 0.4718\*\*\* | 0.6169\*\*\* | 13.6487\*\*\* | 8.1105\*\*\* | 8.9258\*\*\* | 0.7260\*\*\* |
| **Criminal record** | **-0.1083\*\*** | **0.0338** | **-0.0380** | **-0.3799\*** | **0.7243\*\*** | **1.9430\*\*** | **-0.0513\***  |
| Female | -0.0259 | 0.0686\*\*\* | 0.0492\*\* | 0.1522 | -1.6494\*\*\* | -0.7191+ | -0.0146  |
| Immigrant | -0.0186 | -0.0567+ | -0.0214 | 0.0857 | 0.0809 | 0.2333 | -0.0387+  |
| Age | 0.0189\* | 0.0171\*\* | 0.0093+ | -0.1359\*\* | -0.1935\*\*\* | -0.2237\* | 0.0048  |
| SES: Low | 0.0634 | 0.0194 | 0.0158 | -0.0176 | -0.2773 | 1.0964 | -0.0235  |
| SES: High | 0.0583\* | 0.0254 | 0.0398\* | 0.0248 | -0.1097 | -0.0245 | 0.0447\*\*\* |
| Grades | 0.0657\*\*\* | -0.0046 | 0.0049 | -0.0628 | 0.0130 | -0.3300 | 0.0218\*  |
| Parental monitoring | 0.0384\*\* | 0.0181+ | 0.0169+ | -0.4532\*\*\* | -0.0852 | -0.7917\*\* | 0.0099  |
| Conduct problems | -0.0023 | -0.0076 | -0.0201\* | 0.0142 | 0.1841+ | 0.5007 | -0.0017  |
| Peers’ conduct problems | -0.0130 | 0.0100 | 0.0046 | 0.0989 | 0.3195\*\*\* | 0.2636 | -0.0076  |
| *n* | *1788* | *1785* | *1788* | *1782* | *1758* | *1760* | *1753*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Estimates for criminal record (in bold) correspond to those reported in Table 3 in the main manuscript.

Table A2.1.3

*The relationship between any vs. no criminal record at age 25 and social exclusion outcomes at age 41-49.*

*Regression estimates from multivariate OLS models with interaction term between criminal record and low SES*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Married** | **Kids** | **Living with someone** | **Loneliness** | **Alcohol consumption** | **Drug use** | **Voting** |
| Intercept | -0.2174+ | 0.4711\*\*\* | 0.6190\*\*\* | 13.6084\*\*\* | 8.1745\*\*\* | 9.0014\*\*\* | 0.7299\*\*\* |
| Criminal record | -0.1132\*\* | 0.0294 | -0.0362 | -0.4784\* | 0.9095\*\*\* | 2.1430\*\* | -0.0464\*  |
| SES: Low | 0.0424 | 0.0055 | 0.0122 | -0.2306 | 0.1268 | 1.5107 | -0.0220  |
| **Criminal record\*SES: Low** | **-0.0161** | **0.0229** | **-0.0800** | **1.2883+** | **-2.2900\*\*** | **-2.5771** | **-0.1226**  |
| Female | -0.0288 | 0.0674\*\*\* | 0.0470\*\* | 0.1543 | -1.6512\*\*\* | -0.7259+ | -0.0173  |
| Immigrant | -0.0055 | -0.0511+ | -0.0122 | 0.0869 | 0.0652 | 0.2375 | -0.0282  |
| Age | 0.0184\* | 0.0169\*\* | 0.0088+ | -0.1327\*\* | -0.1983\*\*\* | -0.2301\* | 0.0041  |
| Grades | 0.0729\*\*\* | -0.0014 | 0.0097 | -0.0569 | -0.0073 | -0.3403 | 0.0273\*\*  |
| Parental monitoring | 0.0394\*\* | 0.0185+ | 0.0177+ | -0.4534\*\*\* | -0.0845 | -0.7897\*\* | 0.0107  |
| Conduct problems | -0.0015 | -0.0075 | -0.0189\* | 0.0023 | 0.2045\* | 0.5246+ | -0.0000  |
| Peers’ conduct problems | -0.0123 | 0.0103 | 0.0051 | 0.0971 | 0.3219\*\*\* | 0.2677 | -0.0068  |
| *n* | *1788* | *1785* | *1788* | *1782* | *1758* | *1760* | *1753*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Statistically significant estimates for the interaction terms (in bold) are included in Table 4 in the main manuscript.

Table A2.1.4

*The relationship between any vs. no criminal record at age 25 and social exclusion outcomes at age 41-49.*

*Regression estimates from multivariate OLS models with interaction term between criminal record and high SES*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Married** | **Kids** | **Living with someone** | **Loneliness** | **Alcohol consumption** | **Drug use** | **Voting** |
| Intercept | -0.2016 | 0.4847\*\*\* | 0.6320\*\*\* | 13.6068\*\*\* | 8.0951\*\*\* | 8.9297\*\* | 0.7248\*\*\* |
| Criminal record | -0.1281\*\* | 0.0012 | -0.0802\* | -0.2472 | 0.6282\* | 2.5091\* | -0.0602+  |
| SES: High | 0.0444+ | 0.0118 | 0.0233 | 0.0731 | -0.1113 | 0.0443 | 0.0443\*\*\* |
| **Criminal record\*SES: High** | **0.0537** | **0.0923\*** | **0.1201\*\*** | **-0.3775** | **0.2792** | **-1.6308** | **0.0258**  |
| Female | -0.0256 | 0.0684\*\*\* | 0.0490\*\* | 0.1530 | -1.6526\*\*\* | -0.7041+ | -0.0149  |
| Immigrant | -0.0170 | -0.0558+ | -0.0204 | 0.0832 | 0.0759 | 0.2512 | -0.0391+  |
| Age | 0.0191\* | 0.0169\*\* | 0.0090+ | -0.1349\*\* | -0.1961\*\*\* | -0.2112\* | 0.0046  |
| Grades | 0.0631\*\*\* | -0.0057 | 0.0038 | -0.0605 | 0.0223 | -0.3662 | 0.0226\*  |
| Parental monitoring | 0.0386\*\* | 0.0183+ | 0.0172+ | -0.4541\*\*\* | -0.0849 | -0.7941\*\* | 0.0099  |
| Conduct problems | -0.0011 | -0.0066 | -0.0190\* | 0.0108 | 0.1830+ | 0.5008 | -0.0017  |
| Peers’ conduct problems | -0.0125 | 0.0103 | 0.0049 | 0.0982 | 0.3183\*\*\* | 0.2674 | -0.0077  |
| *n* | *1788* | *1785* | *1788* | *1782* | *1758* | *1760* | *1753*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Statistically significant estimates for the interaction terms (in bold) are included in Table 4 in the main manuscript.

A2.2: Seriousness of criminal record

Table A2.2.1

*The relationship between the number of offences in criminal record at age 25 and social exclusion outcomes at age 41-49. Regression estimates from bivariate OLS models*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Married** | **Kids** | **Living with someone** | **Loneliness** | **Alcohol consumption** | **Drug use** | **Voting** |
| Intercept | 0.5162\*\*\* | 0.8506\*\*\* | 0.8926\*\*\* | 9.2681\*\*\* | 4.1334\*\*\* | 0.4016\* | 0.9302\*\*\* |
| **Criminal record** | **-0.0273\*\*\*** | **-0.0082** | **-0.0234\*\*\*** | **0.0706** | **0.2713\*\*\*** | **1.4502\*\*\*** | **-0.0160\*\***  |
| **Criminal record2** | **0.0002\*\*\*** | **0.0000** | **0.0002\*\*\*** | **-0.0007** | **-0.0023\*\*\*** | **-0.0135\*\*\*** | **0.0001**  |
| *n* | *2022* | *2018* | *2022* | *2016* | *1991* | *1993* | *1986*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Table A2.2.2

*The relationship between the number of offences in criminal record at age 25 and social exclusion outcomes at age 41-49. Regression estimates from multivariate OLS models*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Married** | **Kids** | **Living with someone** | **Loneliness** | **Alcohol consumption** | **Drug use** | **Voting** |
| Intercept | -0.2095 | 0.5078\*\*\* | 0.6484\*\*\* | 13.4249\*\*\* | 8.1546\*\*\* | 6.8334\*\* | 0.7464\*\*\* |
| **Criminal record** | **-0.0371\*\*** | **0.0050** | **-0.0219+** | **-0.1008** | **0.3438\*** | **1.0246\*** | **-0.0219\***  |
| **Criminal record2** | **0.0009\*** | **-0.0006** | **0.0003** | **0.0061\*** | **-0.0139\*\*** | **-0.0002** | **0.0004**  |
| Female | -0.0235 | 0.0654\*\*\* | 0.0473\*\* | 0.1721 | -1.6434\*\*\* | -0.6409+ | -0.0150  |
| Immigrant | -0.0215 | -0.0571+ | -0.0233 | 0.0838 | 0.0938 | 0.3367 | -0.0405+  |
| Age | 0.0177\* | 0.0153\*\* | 0.0075 | -0.1252\*\* | -0.1995\*\*\* | -0.0955 | 0.0035  |
| SES: Low | 0.0628 | 0.0212 | 0.0156 | -0.0357 | -0.2361 | 1.0345 | -0.0238  |
| SES: High | 0.0594\* | 0.0230 | 0.0386\* | 0.0415 | -0.1193 | 0.0871 | 0.0442\*\*\* |
| Grades | 0.0662\*\*\* | -0.0049 | 0.0046 | -0.0615 | 0.0198 | -0.3319 | 0.0218\*  |
| Parental monitoring | 0.0386\*\* | 0.0169 | 0.0160 | -0.4446\*\*\* | -0.0853 | -0.7337\*\* | 0.0094  |
| Conduct problems | -0.0011 | -0.0014 | -0.0165+ | -0.0294 | 0.2385\*\* | 0.1457 | 0.0009  |
| Peers’ conduct problems | -0.0125 | 0.0125 | 0.0071 | 0.0846 | 0.3123\*\*\* | 0.1091 | -0.0060  |
| *n* | *1788* | *1785* | *1788* | *1782* | *1758* | *1760* | *1753*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Estimates for criminal record (in bold) correspond to those reported in Table 3 in the main manuscript.

Table A2.2.3

*The relationship between the number of offences in criminal record at age 25 and social exclusion outcomes at age 41-49. Regression estimates from multivariate OLS models with interaction term between criminal record and low SES*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Married** | **Kids** | **Living with someone** | **Loneliness** | **Alcohol consumption** | **Drug use** | **Voting** |
| Intercept | -0.2272+ | 0.5176\*\*\* | 0.6389\*\*\* | 13.3602\*\*\* | 8.3510\*\*\* | 6.7908\*\* | 0.7315\*\*\* |
| Criminal record | -0.0208\*\*\* | -0.0063 | -0.0134+ | -0.0354 | 0.1346 | 1.0697\* | -0.0068  |
| SES: Low | 0.0378 | 0.0140 | 0.0056 | -0.1737 | -0.0355 | 1.1021 | -0.0246  |
| **Criminal record\*SES: Low** | **0.0085** | **-0.0081** | **-0.0078** | **0.2654\*\*\*** | **-0.3766\*\*\*** | **-0.1936** | **-0.0284\*\***  |
| Female | -0.0217 | 0.0618\*\*\* | 0.0483\*\* | 0.1808 | -1.6842\*\*\* | -0.6280+ | -0.0122  |
| Immigrant | -0.0079 | -0.0523+ | -0.0144 | 0.0919 | 0.0656 | 0.3596 | -0.0298  |
| Age | 0.0172\* | 0.0151\*\* | 0.0070 | -0.1216\* | -0.2029\*\*\* | -0.1001 | 0.0024  |
| Grades | 0.0752\*\*\* | -0.0029 | 0.0103 | -0.0518 | -0.0119 | -0.3163 | 0.0290\*\*  |
| Parental monitoring | 0.0406\*\* | 0.0168 | 0.0174+ | -0.4451\*\*\* | -0.0919 | -0.7250\*\* | 0.0117  |
| Conduct problems | 0.0012 | -0.0016 | -0.0130 | -0.0634 | 0.2656\*\*\* | 0.1879 | 0.0092+  |
| Peers’ conduct problems | -0.0140 | 0.0139 | 0.0058 | 0.0883 | 0.3235\*\*\* | 0.0941 | -0.0092  |
| *n* | *1788* | *1785* | *1788* | *1782* | *1758* | *1760* | *1753*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Statistically significant estimates for the interaction terms (in bold) are included in Table 4 in the main manuscript.

Table A2.2.4

*The relationship between the number of offences in criminal record at age 25 and social exclusion outcomes at age 41-49. Regression estimates from multivariate OLS models with interaction term between criminal record and high SES*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Married** | **Kids** | **Living with someone** | **Loneliness** | **Alcohol consumption** | **Drug use** | **Voting** |
| Intercept | -0.2175+ | 0.5239\*\*\* | 0.6451\*\*\* | 13.2914\*\*\* | 8.4166\*\*\* | 7.0016\*\* | 0.7355\*\*\* |
| Criminal record | -0.0182\*\*\* | -0.0110+ | -0.0172\* | 0.0556 | -0.0151 | 1.0122\*\* | -0.0151\*  |
| SES: High | 0.0521\* | 0.0139 | 0.0321\* | 0.1003 | -0.2135 | -0.0563 | 0.0435\*\*\* |
| **Criminal record\*SES: High** | **0.0029** | **0.0234** | **0.0189** | **-0.1850** | **0.4134** | **0.0876** | **0.0138**  |
| Female | -0.0177 | 0.0633\*\*\* | 0.0503\*\* | 0.1978 | -1.7055\*\*\* | -0.6270+ | -0.0122  |
| Immigrant | -0.0197 | -0.0562+ | -0.0222 | 0.0795 | 0.0954 | 0.3614 | -0.0404+  |
| Age | 0.0179\* | 0.0153\*\* | 0.0074 | -0.1250\* | -0.2024\*\*\* | -0.0900 | 0.0032  |
| Grades | 0.0652\*\*\* | -0.0063 | 0.0047 | -0.0526 | 0.0127 | -0.3693 | 0.0235\*  |
| Parental monitoring | 0.0399\*\* | 0.0164 | 0.0166+ | -0.4391\*\*\* | -0.0997 | -0.7313\*\* | 0.0101  |
| Conduct problems | 0.0029 | -0.0026 | -0.0144+ | -0.0141 | 0.1977\* | 0.1598 | 0.0026  |
| Peers’ conduct problems | -0.0150 | 0.0135 | 0.0054 | 0.0733 | 0.3372\*\*\* | 0.1106 | -0.0080  |
| *n* | *1788* | *1785* | *1788* | *1782* | *1758* | *1760* | *1753*  |

Note: +: p<0.1 \*: p<0.05 \*\*: p<0.01 \*\*\*: p<0.001

Statistically significant estimates for the interaction term are included in Table 4 in the main manuscript.