Supplemental Table 1: Survey-weighted means and standard errors for outcome variables, stratified by analytic subgroups

| Outcome | Gender | Non-Hispanic White | Non-Hispanic Black | No History of <br> Parental <br> Incarceration | History of <br> Parental <br> Incarceration |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | Girls | $2.72(0.14)$ | $2.26(0.14)$ | $2.58(0.12)$ | $3.22(0.42)$ |
|  | Boys | $1.93(0.12)$ | $1.96(0.18)$ | $1.87(0.10)$ | $2.72(0.51)$ |
| Subjective well-being <br> combined measure | Girls | $4.29(0.05)$ | $4.24(0.08)$ | $4.30(0.04)$ | $4.03(0.13)$ |
|  | Boys | $4.17(0.05)$ | $4.26(0.07)$ | $4.22(0.05)$ | $3.95(0.16)$ |
|  | Girls | $4.83(0.05)$ | $4.84(0.07)$ | $4.84(0.04)$ | $4.70(0.14)$ |
|  | Boys | $4.80(0.05)$ | $4.79(0.08)$ | $4.82(0.04)$ | $4.48(0.20)$ |
| Social well-being | Girls | $3.60(0.06)$ | $3.68(0.09)$ | $3.60(0.06)$ | $3.18(0.19)$ |
|  | Boys | $3.56(0.06)$ | $3.41(0.11)$ | $3.61(0.06)$ | $3.28(0.19)$ |
| Psychologic well-being | Girls | $4.73(0.06)$ | $4.82(0.08)$ | $4.77(0.04)$ | $4.57(0.12)$ |
|  | Boys | $4.49(0.06)$ | $4.60(0.08)$ | $4.53(0.05)$ | $4.38(0.15)$ |

Note: data were multiply imputed

Supplemental Table 2: Effect modification between parental incarceration and number of police stops in the associations with Children's Depression Inventory scores, among adolescents in the Panel Study of Income Dynamics (2002 \& 2007) stratified by gender

|  | Girls |  |  |  | Boys |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Model 1 |  | Model 2 |  | Model 1 |  | Model 2 |  |
|  | $\begin{aligned} & \beta \\ & (95 \% \mathrm{Cl}) \\ & \hline \end{aligned}$ | P-value | $\beta$ | $\begin{array}{\|l\|} \hline \mathrm{P}- \\ \text { value } \end{array}$ | $\begin{aligned} & \beta \\ & (95 \% \mathrm{Cl}) \end{aligned}$ | P-valu | $\beta_{(95 \% \mathrm{Cl})}$ | P-value |
| No stops, no parental incarceration | Ref. |  | Ref |  | Ref |  | Ref |  |
| No stops, parental incarceration | $\begin{aligned} & \hline-0.08 \\ & (-0.75,0.59) \end{aligned}$ | 0.82 | $\begin{aligned} & -0.18 \\ & (-0.86,0.50) \end{aligned}$ | 0.61 | $\begin{aligned} & -0.22 \\ & (-0.82,0.38) \\ & \left(\begin{array}{l} 0 \end{array}\right. \end{aligned}$ | 0.48 | $\begin{aligned} & -0.43 \\ & (-1.01,0.15) \end{aligned}$ | 0.14 |
| 1 stop, no parental incarceration | $\begin{array}{\|l\|} \hline 1.48 \\ (0.61,2.35) \\ \hline \end{array}$ | 0.00 | $\begin{aligned} & 1.28 \\ & (0.43,2.13) \end{aligned}$ | 0.00 | $\begin{aligned} & 0.66 \\ & -0.02,1.34) \\ & \hline \end{aligned}$ | 0.06 | $\begin{aligned} & 0.68 \\ & (0.02,1.35) \\ & \hline \end{aligned}$ | 0.05 |
| 1 stop, parental incarceration | $\begin{aligned} & 1.56 \\ & (0.09,3.04) \\ & \hline \end{aligned}$ | 0.04 | $\begin{aligned} & 1.53 \\ & (0.01,3.05) \\ & \hline \end{aligned}$ | 0.05 | $\begin{aligned} & 3.64 \\ & (0.12,7.16) \\ & \hline \end{aligned}$ | 0.04 | $\begin{aligned} & 3.33 \\ & (0.25,6.41) \end{aligned}$ | 0.03 |
| 2+ stops, no parental incarceration | $\begin{aligned} & 1.50 \\ & (0.60,2.39) \end{aligned}$ | 0.00 | $\begin{aligned} & 1.49 \\ & (0.61,2.38) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & 0.53 \\ & (-0.19,1.25) \\ & \hline \end{aligned}$ | 0.15 | $\begin{aligned} & 0.66 \\ & (-0.01,1.34) \end{aligned}$ | 0.05 |
| 2+ stops, parental incarceration | $\begin{aligned} & 5.59 \\ & (3.91,7.27) \end{aligned}$ | 0.00 | $\begin{aligned} & 5.48 \\ & (3.77,7.18) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & 1.42 \\ & (-0.09,2.94) \\ & \hline \end{aligned}$ | 0.07 | $\begin{aligned} & 1.50 \\ & (0.19,2.81) \end{aligned}$ | 0.02 |
| Age | $\begin{aligned} & 0.12 \\ & (0.01,0.22) \end{aligned}$ | 0.03 | $\begin{aligned} & 0.15 \\ & (0.04,0.26) \\ & \hline \end{aligned}$ | 0.01 | $\begin{aligned} & -0.03 \\ & (-0.13,0.07) \\ & \hline \end{aligned}$ | 0.53 | $\begin{aligned} & \hline 0.08 \\ & (-0.04,0.19) \\ & \hline \end{aligned}$ | 0.21 |
| Non-Hispanic White | Ref. |  | Ref. |  | Ref. |  | Ref |  |
| Non-Hispanic Black | $\begin{aligned} & -0.58 \\ & (-0.95,-0.20) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.87 \\ & (-1.35,-0.39) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & -0.17 \\ & (-0.62,0.28) \\ & \hline \end{aligned}$ | 0.46 | $\begin{aligned} & -0.37 \\ & (-0.85,0.10) \\ & \hline \end{aligned}$ | 0.12 |
| Hispanic | $\begin{aligned} & \hline 0.10 \\ & (-0.58,0.78) \\ & \hline \end{aligned}$ | 0.77 | $\begin{aligned} & 0.21 \\ & (-0.57,1.00) \end{aligned}$ | 0.59 | $\begin{aligned} & 0.61 \\ & (-0.13,1.36) \\ & \hline \end{aligned}$ | 0.10 | $\begin{aligned} & 0.34 \\ & (-0.52,1.20) \\ & \hline \end{aligned}$ | 0.44 |
| Asian \& Pacific Islander | $\begin{aligned} & \hline-0.46 \\ & (-1.23,0.31) \\ & \hline \end{aligned}$ | 0.24 | $\begin{aligned} & \hline-0.30 \\ & (-1.28,0.69) \end{aligned}$ | 0.56 | $\begin{aligned} & 0.38 \\ & (-0.34,1.09) \end{aligned}$ | 0.31 | $\begin{aligned} & 0.20 \\ & (-0.62,1.02) \\ & \hline \end{aligned}$ | 0.63 |
| American Indian \& Alaska Native |  |  |  |  | $\begin{aligned} & \hline 1.11 \\ & (-2.13,4.35) \\ & \hline \end{aligned}$ | 0.50 | $\begin{aligned} & 1.04 \\ & (-1.78,3.85) \\ & \hline \end{aligned}$ | 0.47 |
| Multiracial | $\begin{aligned} & \hline-0.10 \\ & (-1.33,1.13) \\ & \hline \end{aligned}$ | 0.88 | $\begin{aligned} & \hline-0.18 \\ & (-1.42,1.06) \\ & \hline \end{aligned}$ | 0.77 | $\begin{aligned} & 0.04 \\ & (-1.18,1.27) \end{aligned}$ | 0.94 | $\begin{aligned} & 0.05 \\ & (-1.11,1.21) \end{aligned}$ | 0.93 |
| Other | $\begin{aligned} & -1.06 \\ & (-2.44,0.32) \\ & \hline \end{aligned}$ | 0.13 | $\begin{aligned} & -1.23 \\ & (-2.75,0.28) \\ & \hline \end{aligned}$ | 0.11 | $\begin{aligned} & 1.29 \\ & (-0.83,3.41) \\ & \hline \end{aligned}$ | 0.23 | $\begin{aligned} & 0.75 \\ & (-1.08,2.58) \end{aligned}$ | 0.42 |
| Survey wave | $\begin{aligned} & -0.87 \\ & (-1.27,-0.48) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.88 \\ & (-1.27,-0.48) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.55 \\ & (-0.95,-0.16) \end{aligned}$ | 0.01 | $\begin{aligned} & -0.65(-1.04, \\ & -0.25) \\ & \hline \end{aligned}$ | 0.00 |
| Height |  |  | $\begin{aligned} & 0.00 \\ & (-0.08,0.08) \end{aligned}$ | 0.92 |  |  | $\begin{aligned} & \hline-0.06 \\ & (-0.01,0.03) \\ & \hline \end{aligned}$ | 0.03 |
| Weight |  |  | $\begin{aligned} & 0.00 \\ & (-0.00,0.01) \end{aligned}$ | 0.24 |  |  | $\begin{aligned} & 0.00 \\ & (-0.00,0.01) \\ & \hline \end{aligned}$ | 0.13 |
| Employment |  |  | $\begin{aligned} & -0.20 \\ & (-0.72,0.31) \\ & \hline \end{aligned}$ | 0.43 |  |  | $\begin{aligned} & -0.82 \\ & (-1.25,-0.40) \end{aligned}$ | 0.00 |
| Living in public housing |  |  | $\begin{aligned} & 0.47 \\ & (-0.29,1.23) \end{aligned}$ | 0.22 |  |  | $\begin{aligned} & -0.42 \\ & (-1.19,0.35) \end{aligned}$ | 0.28 |
| Debt (negative wealth) |  |  | $\begin{aligned} & 0.60 \\ & (-0.09,1.29) \end{aligned}$ |  |  |  | $\begin{aligned} & 0.07 \\ & (-0.51,0.66) \end{aligned}$ | 0.80 |
| Wealth Q1 |  |  | $\begin{aligned} & 0.72 \\ & (-0.13,1.56) \end{aligned}$ | 0.09 |  |  | $\begin{aligned} & 0.09 \\ & (-0.61,0.79) \end{aligned}$ | 0.80 |
| Wealth Q2 |  |  | $\begin{aligned} & 0.86 \\ & (0.25,1.48) \end{aligned}$ | 0.10 |  |  | $\begin{aligned} & -0.12 \\ & (-0.71,0.47) \end{aligned}$ | 0.69 |
| Wealth Q3 |  |  | 0.45 | 0.01 |  |  | 0.07 | 0.78 |


|  |  |  | (-0.12, 1.02) |  |  | (-0.44, 0.59) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Wealth Q4 |  |  | Ref |  | Ref | Ref |  |
| Beale Urbanicity Index 1 |  |  | Ref |  | Ref | Ref |  |
| Beale Urbanicity Index 2 |  |  | $\begin{aligned} & -0.24 \\ & (-0.82,0.34) \\ & \hline \end{aligned}$ | 0.42 |  | $\begin{aligned} & -0.05 \\ & (-0.62,0.52) \\ & \hline \end{aligned}$ | 0.86 |
| Beale Urbanicity Index 3 |  |  | $\begin{aligned} & -0.25 \\ & (-0.25,-0.82) \end{aligned}$ | 0.39 |  | $\begin{aligned} & \hline-0.03 \\ & (-0.58,0.53) \end{aligned}$ | 0.92 |
| Beale Urbanicity Index 4 |  |  | $\begin{aligned} & -0.96 \\ & (-1.74,-0.18) \end{aligned}$ | 0.02 |  | $\begin{array}{\|l\|} \hline-0.86 \\ (-0.51,-0.20) \end{array}$ | 0.01 |
| Beale Urbanicity Index 5 |  |  | $\begin{aligned} & 0.05 \\ & (-1.03,1.12) \end{aligned}$ | 0.93 |  | $\begin{aligned} & -0.56 \\ & (-1.31,0.19) \end{aligned}$ | 0.14 |
| Beale Urbanicity Index 6 |  |  | $\begin{aligned} & -0.07 \\ & (-1.30,1.15) \end{aligned}$ | 0.91 |  | $\begin{aligned} & -0.54 \\ & (-1.28,0.20) \end{aligned}$ | 0.15 |
| Beale Urbanicity Index 7 |  |  | $\begin{aligned} & 0.67 \\ & (-0.32,1.67) \end{aligned}$ | 0.19 |  | $\begin{aligned} & 0.26 \\ & (-0.73,1.25) \end{aligned}$ | 0.61 |
| Beale Urbanicity Index 8 |  |  | $\begin{aligned} & 0.34 \\ & (-0.43,1.11) \end{aligned}$ | 0.38 |  | $\begin{aligned} & -0.01 \\ & (-0.70,0.69) \end{aligned}$ | 0.99 |
| Beale Urbanicity Index 9 |  |  | $\begin{aligned} & 0.60 \\ & (-1.06,2.26) \end{aligned}$ | 0.48 |  | $\begin{aligned} & -0.40 \\ & (-1.53,0.73) \end{aligned}$ | 0.49 |
| Beale Urbanicity Index 10 |  |  | $\begin{aligned} & -0.93 \\ & (-1.93,0.07) \\ & \hline \end{aligned}$ | 0.07 |  | $\begin{aligned} & -1.25 \\ & (-2.01,-0.49) \\ & \hline \end{aligned}$ | 0.00 |
| Neighborhood completely safe |  |  | Ref |  | Ref | Ref |  |
| Neighborhood fairly safe |  |  | $\begin{aligned} & 0.20 \\ & (-0.23,0.63) \\ & \hline \end{aligned}$ | 0.36 |  | $\begin{aligned} & 0.21 \\ & (-0.17,0.60) \\ & \hline \end{aligned}$ | 0.27 |
| Neighborhood somewhat dangerous |  |  | $\begin{aligned} & -0.23 \\ & (-0.87,0.41) \\ & \hline \end{aligned}$ | 0.48 |  | $\begin{aligned} & 0.37 \\ & (-0.32,1.07) \\ & \hline \end{aligned}$ | 0.29 |
| Neighborhood extremely dangerous |  |  | $\begin{aligned} & -1.12 \\ & (-2.31,0.06) \end{aligned}$ | 0.06 |  | $\begin{aligned} & 0.11 \\ & (-1.46,1.67) \end{aligned}$ | 0.89 |
| Moved in the past year |  |  | $\begin{aligned} & 0.78 \\ & (0.01,1.55) \end{aligned}$ | 0.05 |  | $\begin{aligned} & 0.47 \\ & (-0.25,1.19) \end{aligned}$ | 0.20 |
| Mother's education <12 years |  |  | $\begin{aligned} & -0.11 \\ & (-1.31,1.08) \\ & \hline \end{aligned}$ | 0.85 |  | $\begin{aligned} & \hline-0.38 \\ & (-1.42,0.66) \\ & \hline \end{aligned}$ | 0.47 |
| Mother's education 12 years |  |  | $\begin{aligned} & \hline-0.04 \\ & (-0.95,0.86) \\ & \hline \end{aligned}$ | 0.92 |  | $\begin{aligned} & \hline-0.19 \\ & (-1.00,0.63) \\ & \hline \end{aligned}$ | 0.65 |
| Mother's education 1316 years |  |  | $\begin{aligned} & 0.26 \\ & (-0.59,1.12) \end{aligned}$ | 0.55 |  | $\begin{aligned} & 0.05 \\ & (-0.72,0.82) \end{aligned}$ | 0.91 |
| Mother's education >16 years |  |  | Ref |  | Ref | Ref |  |
| Father's education <12 years |  |  | $\begin{aligned} & -0.11 \\ & (-1.21,0.98) \end{aligned}$ | 0.84 |  | $\begin{aligned} & 0.24 \\ & (-0.72,1.20) \end{aligned}$ | 0.63 |
| Father's education 12 years |  |  | $\begin{aligned} & -0.03 \\ & (-0.84,0.78) \end{aligned}$ | 0.94 |  | $\begin{aligned} & 0.03 \\ & (-0.74,0.79) \end{aligned}$ | 0.95 |
| Father's education 1316 years |  |  | $\begin{aligned} & -0.07 \\ & (-0.83,0.68) \end{aligned}$ | 0.85 |  | $\begin{aligned} & \hline-0.22 \\ & (-0.95,0.51) \end{aligned}$ | 0.55 |
| Father's education >16 years |  |  | Ref |  | Ref | Ref |  |

Supplemental Table 3: Associations between the number of police stops and combined subjective well-being score for non-Hispanic Black and White adolescents from the Panel Study of Income Dynamics (2002 \& 2007) stratified by race/ethnicity and gender

|  |  | Non-Hispanic White (Age Adjusted) |  | Non-Hispanic White (Fully Adjusted) |  | Non-Hispanic Black (Age Adjusted) |  | Non-Hispanic Black (Fully Adjusted) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \beta \\ & (95 \% \mathrm{CI}) \\ & \hline \end{aligned}$ |  | $\beta$ | P -value | $\begin{aligned} & \beta \\ & (95 \% \mathrm{Cl}) \\ & \hline \end{aligned}$ | P-value | $\begin{aligned} & \beta \\ & (95 \% \mathrm{CI}) \end{aligned}$ | P -value |
| Girls | 0 stops | Ref |  | Ref |  | Ref |  | Ref |  |
|  | 1 stop | $\begin{aligned} & -0.25 \\ & (-0.49,-0.01) \end{aligned}$ | 0.04 | $\begin{aligned} & -0.11 \\ & (-0.37,0.14) \end{aligned}$ | 0.39 | $\begin{aligned} & -0.52 \\ & (-0.92,-0.11) \end{aligned}$ | 0.01 | $\begin{aligned} & -0.60 \\ & (-0.97,-0.22) \end{aligned}$ | 0.00 |
|  | 2+ stops | $\begin{aligned} & -0.55 \\ & (-0.85,-0.24) \end{aligned}$ | 0.00 | $\left(\begin{array}{l} -0.44 \\ (-0.73,-0.15) \end{array}\right.$ | 0.00 | $\left(\begin{array}{l} -0.92 \\ (-1.45,-0.40) \end{array}\right.$ | 0.00 | $\begin{aligned} & -0.83 \\ & (-1.38,-0.28) \end{aligned}$ | 0.00 |
| Boys | 0 stops | Ref |  | Ref |  | Ref |  | Ref |  |
|  | 1 stop | $\begin{aligned} & -0.40 \\ & (-0.72,-0.07) \\ & \hline \end{aligned}$ | 0.02 | $\begin{aligned} & -0.32 \\ & (-0.63,-0.02) \end{aligned}$ | 0.03 | $\begin{aligned} & 0.27 \\ & (-0.05,0.59) \end{aligned}$ | 0.10 | $\begin{aligned} & 0.25 \\ & (-0.05,0.54) \end{aligned}$ | 0.10 |
|  | 2+ stops | $\begin{aligned} & -0.30 \\ & (-0.62,0.02) \end{aligned}$ | 0.07 | $\left(\begin{array}{l} -0.27 \\ (-0.58,0.03) \end{array}\right.$ | 0.08 | $\left(\begin{array}{l} -0.27 \\ (-0.66,0.11) \end{array}\right.$ | 0.16 | $\begin{aligned} & -0.19 \\ & (-0.53,0.15) \end{aligned}$ | 0.27 |

Age-adjusted models include age and survey wave, and applies survey weights.
Fully-adjusted models include age, height, weight, employment, living in public housing, whether moved in the last year, wealth, urbanicity, neighborhood safety, maternal and paternal educational attainment, survey wave and applies survey weights.
*This model is only among Non-Hispanic Black and White adolescents only due to insufficient sample size for other racial/ethnic groups

Supplemental Table 4: Effect modification between parental incarceration and number of police stops in the associations with combined well-being scores among adolescents from the Panel Study of Income Dynamics (2002 \& 2007), stratified by gender

|  | Girls |  |  |  | Boys |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Model 1 |  | Model 2 |  | Model 1 |  | Model 2 |  |
|  | $\begin{aligned} & \beta \\ & (95 \% \mathrm{Cl}) \\ & \hline \end{aligned}$ | P-value | $\beta$ | $\begin{array}{\|l\|} \hline \mathrm{P}- \\ \text { value } \end{array}$ | $\begin{aligned} & \beta \\ & \hline(95 \% \mathrm{Cl}) \\ & \hline \end{aligned}$ | P-valu | $\beta$ | $P$-value |
| No stops, no parental incarceration | Ref. |  | Ref |  | Ref |  | Ref |  |
| No stops, parental incarceration | $\begin{aligned} & -0.34 \\ & (-0.63,-0.05) \end{aligned}$ | 0.02 | $\begin{aligned} & -0.30 \\ & (-0.58,-0.02) \end{aligned}$ | 0.03 | $\begin{aligned} & -0.21 \\ & (-0.57,0.15) \end{aligned}$ | 0.26 | $\begin{aligned} & -0.08 \\ & (-0.41,0.26) \end{aligned}$ | 0.65 |
| 1 stop, no parental incarceration | $\begin{aligned} & -0.48 \\ & (-0.74,-0.21) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & -0.39 \\ & (-0.65,-0.14) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & -0.08 \\ & (-0.33,0.18) \end{aligned}$ | 0.55 | $\begin{aligned} & -0.06 \\ & (-0.32,0.19) \\ & \hline \end{aligned}$ | 0.63 |
| 1 stop, parental incarceration | $\begin{array}{\|l\|} \hline-0.11 \\ (-0.46,0.24) \\ \hline \end{array}$ | 0.53 | $\begin{aligned} & \hline-0.02 \\ & (-0.48,0.44) \\ & \hline \end{aligned}$ | 0.92 | $\begin{aligned} & -0.80 \\ & (-1.72,0.11) \end{aligned}$ | 0.09 | $\begin{aligned} & \hline-0.64 \\ & (-1.55,0.27) \end{aligned}$ | 0.17 |
| 2+ stops, no parental incarceration | $\begin{aligned} & -0.54 \\ & (-0.79,-0.29) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.47 \\ & (-0.71,-0.22) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.37 \\ & (-0.61,-0.13) \end{aligned}$ | 0.00 | $\begin{aligned} & \hline-0.36 \\ & (-0.59,-0.12) \end{aligned}$ | 0.00 |
| $2+$ stops, parental incarceration | $\begin{array}{\|l\|} \hline-1.15 \\ (-1.80,-0.49) \\ \hline \end{array}$ | 0.00 | $\begin{aligned} & -1.10 \\ & (-1.82,-0.39) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & \hline-0.11 \\ & (-0.60,0.39) \end{aligned}$ | 0.68 | $\begin{aligned} & \hline-0.08 \\ & (-0.60,0.45) \\ & \hline \end{aligned}$ | 0.77 |
| Age | $\begin{aligned} & -0.01 \\ & (-0.05,0.03) \\ & \hline \end{aligned}$ | 0.53 | $\begin{aligned} & -0.02 \\ & (-0.06,0.03) \end{aligned}$ | 0.45 | $\begin{aligned} & 0.03 \\ & (-0.02,0.07) \\ & \hline \end{aligned}$ | 0.30 | $\begin{aligned} & \hline 0.01 \\ & (-0.04,0.07) \\ & \hline \end{aligned}$ | 0.67 |
| Non-Hispanic White | Ref. |  | Ref. |  | Ref. |  | Ref |  |
| Non-Hispanic Black | $\begin{aligned} & -0.06 \\ & (-0.24,0.12) \\ & \hline \end{aligned}$ | 0.51 | $\begin{aligned} & 0.12 \\ & (-0.07,0.32) \\ & \hline \end{aligned}$ | 0.20 | $\begin{aligned} & 0.13 \\ & (-0.03,0.29) \\ & \hline \end{aligned}$ | 0.10 | $\begin{aligned} & 0.33 \\ & (0.14,0.52) \\ & \hline \end{aligned}$ | 0.00 |
| Hispanic | $\begin{array}{\|l\|} \hline-0.36 \\ (-0.60,-0.11) \\ \hline \end{array}$ | 0.00 | $\begin{aligned} & -0.09 \\ & (-0.39,0.20) \\ & \hline \end{aligned}$ | 0.53 | $\begin{aligned} & \hline-0.21 \\ & (-0.58,0.16) \\ & \hline \end{aligned}$ | 0.27 | $\begin{aligned} & \hline 0.11 \\ & (-0.28,0.51) \\ & \hline \end{aligned}$ | 0.57 |
| Asian \& Pacific Islander | $\begin{aligned} & \hline-0.07 \\ & (-0.60,0.46) \\ & \hline \end{aligned}$ | 0.79 | $\begin{aligned} & -0.01 \\ & (-0.56,0.54) \end{aligned}$ | 0.98 | $\begin{aligned} & -0.19 \\ & (-0.54,0.15) \end{aligned}$ | 0.27 | $\begin{aligned} & \hline-0.08 \\ & (-0.51,0.35) \\ & \hline \end{aligned}$ | 0.73 |
| American Indian \& Alaska Native |  |  |  |  | $\begin{aligned} & -0.11 \\ & (-1.33,1.11) \end{aligned}$ | 0.86 | $\begin{aligned} & \hline-0.26 \\ & (-1.29,0.78) \\ & \hline \end{aligned}$ | 0.63 |
| Multiracial | $\begin{aligned} & -0.64 \\ & (-1.02,-0.26) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.55 \\ & (-0.95,-0.15) \\ & \hline \end{aligned}$ | 0.01 | $\begin{aligned} & 0.05 \\ & (-0.30,0.41) \end{aligned}$ | 0.77 | $\begin{aligned} & 0.08 \\ & (-0.34,0.50) \\ & \hline \end{aligned}$ | 0.71 |
| Other | $\begin{aligned} & -0.89 \\ & (-1.45,-0.33) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & -0.67 \\ & (-1.19,-0.15) \end{aligned}$ | 0.01 | $\begin{aligned} & -1.02 \\ & (-2.06,0.01) \\ & \hline \end{aligned}$ | 0.05 | $\begin{aligned} & \hline-0.82 \\ & (-1.99,0.35) \end{aligned}$ | 0.17 |
| Survey wave | $\begin{aligned} & 0.36 \\ & (0.22,0.50) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & 0.34 \\ & (0.20,0.48) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & 0.31 \\ & (0.14,0.49) \end{aligned}$ | 0.00 | $\begin{aligned} & 0.33 \\ & (0.16,0.50) \\ & \hline \end{aligned}$ | 0.00 |
| Height |  |  | $\begin{aligned} & 0.01 \\ & (-0.02,0.03) \\ & \hline \end{aligned}$ | 0.70 |  |  | $\begin{aligned} & 0.00 \\ & (-0.02,0.03) \end{aligned}$ | 0.82 |
| Weight |  |  | $\begin{aligned} & 0.00 \\ & (-0.00,0.00) \end{aligned}$ | 0.55 |  |  | $\begin{aligned} & 0.00 \\ & (-0.00,0.00) \end{aligned}$ | 0.91 |
| Employment |  |  | $\begin{aligned} & -0.03 \\ & (-0.19,0.13) \\ & \hline \end{aligned}$ | 0.73 |  |  | $\begin{aligned} & 0.10 \\ & (-0.10,0.31) \\ & \hline \end{aligned}$ | 0.33 |
| Living in public housing |  |  | $\begin{aligned} & -0.46 \\ & (-0.81,-0.11) \end{aligned}$ | 0.01 |  |  | $\begin{aligned} & -0.02 \\ & (-0.02,-0.51) \end{aligned}$ | 0.92 |
| Debt (negative wealth) |  |  | $\begin{aligned} & -0.22 \\ & (-0.46,0.01) \end{aligned}$ | 0.06 |  |  | $\begin{aligned} & -0.20 \\ & (-0.52,0.11) \end{aligned}$ | 0.21 |
| Wealth Q1 |  |  | $\begin{aligned} & -0.15 \\ & (-0.42,0.12) \end{aligned}$ | 0.28 |  |  | $\begin{aligned} & -0.14 \\ & (-0.46,0.18) \end{aligned}$ | 0.39 |
| Wealth Q2 |  |  | $\begin{aligned} & -0.16 \\ & (-0.38,0.05) \end{aligned}$ | 0.14 |  |  | $\begin{aligned} & -0.22 \\ & (-0.49,0.04) \end{aligned}$ | 0.10 |
| Wealth Q3 |  |  | -0.11 | 0.28 |  |  | -0.13 | 0.23 |



Supplemental Table 5: Effect modification between parental incarceration and number of police stops in the associations with subjective well-being domains among adolescents from the Panel Study of Income Dynamics (2002 \& 2007), stratified by gender

|  |  | Girls |  |  |  | Boys |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Model 1 |  | Model 2 |  | Model 1 |  | Model 2 |  |
|  |  | $\begin{aligned} & \beta \\ & (95 \% \mathrm{Cl}) \\ & \hline \end{aligned}$ | value | $\underset{(95 \% \mathrm{Cl})}{\beta}$ | Pvalue | $\beta$ | $\begin{array}{\|l\|} \hline \mathrm{P}- \\ \text { value } \end{array}$ | $\begin{aligned} & \beta \\ & (95 \% \mathrm{CI}) \\ & \hline \end{aligned}$ | value |
| Emotional wellbeing | No stops, no parental incarceration | Ref. |  | Ref |  | Ref |  | Ref |  |
|  | No stops, parental incarceration | $\begin{aligned} & -0.24 \\ & (-0.59,0.10) \end{aligned}$ | 0.16 | $\begin{aligned} & -0.23 \\ & (-0.56,0.10) \end{aligned}$ | 0.17 | $\begin{aligned} & -0.30 \\ & (-0.72,0.11) \end{aligned}$ | 0.15 | $\begin{aligned} & -0.17 \\ & (-0.51,0.17) \end{aligned}$ | 0.34 |
|  | 1 stop, no parental incarceration | $\begin{aligned} & -0.46 \\ & (-0.81,-0.11) \end{aligned}$ | 0.01 | $\begin{aligned} & -0.39 \\ & (-0.73,-0.06) \end{aligned}$ | 0.02 | $\begin{aligned} & -0.23 \\ & (-0.51,0.05) \\ & \hline \end{aligned}$ | 0.11 | $\begin{aligned} & -0.25 \\ & (-0.53,0.03) \\ & \hline \end{aligned}$ | 0.08 |
|  | 1 stop, parental incarceration | $\begin{aligned} & \hline-0.43 \\ & (-0.76,-0.09) \end{aligned}$ | 0.01 | $\begin{aligned} & -0.44 \\ & (-0.85,-0.02) \end{aligned}$ | 0.04 | $\begin{aligned} & -1.04 \\ & (-2.39,0.31) \\ & \hline \end{aligned}$ | 0.13 | $\begin{aligned} & -0.89 \\ & (-2.17,0.39) \end{aligned}$ | 0.17 |
|  | 2+ stops, no parental incarceration | $\begin{aligned} & \hline-0.51 \\ & (-0.80,-0.22) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.46 \\ & (-0.75,-0.18) \end{aligned}$ | 0.00 | $\left(\begin{array}{l} -0.43 \\ (-0.70,-0.17) \end{array}\right.$ | 0.00 | $\begin{aligned} & -0.45 \\ & (-0.70,-0.20) \end{aligned}$ | 0.00 |
|  | $2+$ stops, parental incarceration | $\begin{aligned} & \hline-0.09 \\ & (-1.29,1.10) \\ & \hline \end{aligned}$ | 0.88 | $\begin{aligned} & 0.01 \\ & (-0.04,0.06) \\ & \hline \end{aligned}$ | 0.69 | $\begin{aligned} & -0.07 \\ & (-0.46,0.31) \\ & \hline \end{aligned}$ | 0.71 | $\begin{aligned} & -0.02 \\ & (-0.45,-0.42) \\ & \hline \end{aligned}$ | 0.93 |
| Social well-being | No stops, no parental incarceration | Ref. |  | Ref |  | Ref |  | Ref |  |
|  | No stops, parental incarceration | $\begin{array}{\|l\|} \hline-0.46 \\ (-0.82,-0.10) \\ \hline \end{array}$ | 0.01 | $\begin{aligned} & \hline-0.37 \\ & (-0.73,-0.01) \\ & \hline \end{aligned}$ | 0.04 | $\begin{aligned} & \hline-0.20 \\ & (-0.66,0.26) \end{aligned}$ | 0.40 | $\begin{aligned} & -0.08 \\ & (-0.51,0.36) \\ & \hline \end{aligned}$ | 0.73 |
|  | 1 stop, no parental incarceration | $\begin{aligned} & \hline-0.60 \\ & (-0.94,-0.26) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.52 \\ & (-0.85,-0.19) \end{aligned}$ | 0.00 | $\begin{aligned} & 0.02 \\ & (-0.26,0.30) \end{aligned}$ | 0.88 | $\begin{aligned} & 0.06 \\ & (-0.22,0.34) \\ & \hline \end{aligned}$ | 0.68 |
|  | 1 stop, parental incarceration | $\begin{aligned} & 0.03 \\ & (-0.52,0.59) \\ & \hline \end{aligned}$ | 0.90 | $\begin{aligned} & 0.18 \\ & (-0.59,0.95) \\ & \hline \end{aligned}$ | 0.66 | $\begin{aligned} & -0.89 \\ & (-1.82,0.03) \\ & \hline \end{aligned}$ | 0.06 | $\begin{aligned} & -0.76 \\ & (-1.75,0.24) \\ & \hline \end{aligned}$ | 0.14 |
|  | 2+ stops, no parental incarceration | $\begin{aligned} & -0.75 \\ & (-1.06,-0.45) \end{aligned}$ | 0.00 | $\begin{aligned} & -0.66 \\ & (-0.98,-0.35) \end{aligned}$ | 0.00 | $\left(\begin{array}{l} -0.42 \\ (-0.73,-0.10) \end{array}\right.$ | 0.01 | $\begin{aligned} & -0.39 \\ & (-0.71,-0.08) \end{aligned}$ | 0.01 |
|  | 2+ stops, parental incarceration | $\begin{aligned} & -1.78 \\ & (-2.54,-1.02) \\ & \hline \end{aligned}$ | 0.00 | $\begin{aligned} & -1.77 \\ & (-2.71,-0.82) \\ & \hline \end{aligned}$ | 0.00 | $\left(\begin{array}{l} -0.32 \\ (-0.99,0.34) \\ \hline \end{array}\right.$ | 0.34 | $\begin{aligned} & -0.29 \\ & (-0.98,0.40) \\ & \hline \end{aligned}$ | 0.41 |
| Psychologic wellbeing | No stops, no parental incarceration | Ref. |  | Ref |  | Ref |  | Ref |  |
|  | No stops, parental incarceration | $\begin{array}{\|l\|} \hline-0.29 \\ (-0.59,0.01) \\ \hline \end{array}$ | 0.05 | $\begin{array}{\|l\|} \hline-0.28 \\ (-0.58,0.02) \end{array}$ | 0.07 | $\begin{array}{\|l} \hline-0.17 \\ (-0.51,0.17) \end{array}$ | 0.32 | $\begin{aligned} & \hline-0.03 \\ & (-0.38,0.32) \\ & \hline \end{aligned}$ | 0.85 |
|  | 1 stop, no parental incarceration | $\begin{aligned} & -0.35 \\ & (-0.62,-0.07) \end{aligned}$ | 0.02 | $\left(\begin{array}{l} -0.24 \\ (-0.52,0.04) \end{array}\right.$ | 0.09 | $\left(\begin{array}{l} -0.10 \\ (-0.37,0.17) \end{array}\right.$ | 0.47 | $\begin{aligned} & -0.09 \\ & (-0.36,0.19) \end{aligned}$ | 0.54 |
|  | 1 stop, parental incarceration | $\begin{aligned} & -0.06 \\ & (-0.37,0.25) \end{aligned}$ | 0.71 | $\begin{aligned} & 0.06 \\ & (-0.26,0.37) \end{aligned}$ | 0.73 | $\left(\begin{array}{l} -0.53 \\ (-1.32,0.25) \end{array}\right.$ | 0.18 | $\begin{aligned} & -0.31 \\ & (-1.06,0.44) \end{aligned}$ | 0.42 |
|  | 2+ stops, no parental incarceration | $\begin{aligned} & -0.30 \\ & (-0.60,0.01) \end{aligned}$ | 0.05 | $\left(\begin{array}{l} -0.23 \\ (-0.51,0.05) \end{array}\right.$ | 0.11 | $\binom{-0.28}{(-0.54,-0.01)}$ | 0.04 | $\begin{aligned} & -0.26 \\ & (-0.51,-0.01) \end{aligned}$ | 0.04 |
|  | 2+ stops, parental incarceration | $\begin{aligned} & -1.14 \\ & (-1.80,-0.48) \end{aligned}$ | 0.00 | $\begin{array}{\|l\|} -1.01 \\ (-1.73,-0.28) \end{array}$ | 0.01 | $\left(\begin{array}{l} 0.13 \\ (-0.35,0.60) \end{array}\right.$ | 0.60 | $\begin{aligned} & 0.14 \\ & (-0.34,0.61) \end{aligned}$ | 0.58 |

Appendix Table 6: Measurement of study variables from the Panel Study of Income Dynamics (2002 \& 2007)

| Variable | Respondent | Measurement | Coding |
| :---: | :---: | :---: | :---: |
| Children's Depression Inventory | Adolescent self-report | 10-item short form questions asking about the following feelings in the past two weeks: <br> 1. Sad once in a while/many times/all the time <br> 2. Nothing will ever work out for me/not sure if things will work out for me/thinks will work out OK for me <br> 3. I do most things OK/many things OK/everything wrong <br> 4. I hate/do not like/like myself <br> 5. I feel like crying every day/many days/once in a while <br> 6. Things bother me all the time/many times/once in a while <br> 7. I look OK/There are some bad things about my looks/I look ugly (reverse coded) <br> 8. I do not feel alone/I feel alone many times/I feel alone all the time <br> 9. I have plenty of friends/I have some friends but wish I had more/I do not have any friends <br> 10. Nobody really loves me/l am not sure if anybody loves me/l am sure somebody loves me | Continuous CDI score was calculated by summing items after correcting for reversecoding |
| Emotional wellbeing scale | Adolescent self-report | 3 Items asking about feelings in the last month with the responses never, once or twice, about once a week, 2 or 3 times a week, almost every day, every day: <br> 1. How often did you feel happy? <br> 2. How often did you feel interested in life? <br> 3. How often did you feel satisfied? | Continuous mean score of items |
| Psychological wellbeing scale | Adolescent self-report | 4 Items asking about feelings in the last month with the responses never, once or twice, about once a week, 2 or 3 times a week, almost every day, every day: <br> 1. How often did you feel good at managing the responsibilities of your daily life? <br> 2. How often did you feel that you have warm and trusting relationships with other kids? <br> 3. How often did you feel you have experiences that challenged you to grow or become a better person? <br> 4. How often did you feel confident to think or express your own ideas and opinions? | Continuous mean score of items |
| Social well-being scale | Adolescent self-report | 5 Items asking about feelings in the last month with the responses never, once or twice, about once a week, 2 or 3 times a week, almost every day, every day: <br> 1. How often did you feel that you had something important to contribute to society? <br> 2. How often did you feel that you belonged to a community (like a social group, your school, or your neighborhood)? <br> 3. How often did you feel that our society is becoming a better place? <br> 4. How often did you feel that people are basically good? <br> 5. How often did you feel that the way our society works made sense to you? | Continuous mean score of items |
| Frequency of police stops | Adolescent self-report | In the past 6 months, about how many times have you been stopped by the police? | $\begin{aligned} & 0 \text { stops } \\ & 1 \text { stop } \\ & 2+\text { stops } \end{aligned}$ |


| Race/ethnicity | Primary <br>  <br> self | Primary care giver reported race/ethnicity of the adolescent, and <br> when this is missing adolescent self-reported race/ethnicity was <br> used | Non-Hispanic White <br> Non-Hispanic Black <br> Hispanic <br> Asian \& Pacific |
| :--- | :--- | :--- | :--- |
| Islander |  |  |  |
|  |  |  |  |
| Alaska Native |  |  |  |
| Multiracial |  |  |  |
| Other |  |  |  |$|$


| Neighborhood <br> safety | Primary <br> caregiver | How safe is it to walk around alone in your neighborhood after <br> dark? Would you say it is completely safe, fairly safe, somewhat <br> dangerous, extremely dangerous? | completely safe <br> fairly safe <br> somewhat dangerous <br> extremely dangerous |
| :--- | :--- | :--- | :--- |
| Moved in the past <br> year | Primary <br> caregiver | How long have you lived in your current neighborhood? <1 year, 1 <br> year to <3 years, 3 to <5 years, 5+ years | $<1$ year <br> $>=1$ year |
| Closeness to <br> mother and father | Adolescent <br> self-report | How close do you feel towards your mother/father? Would you <br> say not very close, fairly close, quite close, or extremely close? <br> Individuals that are not in contact with their mother/father are <br> given a 0 for this question. | fairly close <br> quite close <br> extremely close |
| Maternal and <br> paternal <br> educational <br> attainment | Head and <br> spouse | Grades completed | $<12$ years <br> 12 years <br> $13-16$ years <br> $>16$ years |

