**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 | History of    |
|------------------------|--------|--------------------|--------------------|---------------|---------------|
|                        |        |                    |                    | Parental      | Parental      |
|                        |        |                    |                    | Incarceration | Incarceration |
| CDI                    | 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  | Girls  | 4.29 (0.05)        | 4.24 (0.08)        | 4.30 (0.04)   | 4.03 (0.13)   |
| combined measure       | Boys   | 4.17 (0.05)        | 4.26 (0.07)        | 4.22 (0.05)   | 3.95 (0.16)   |
| Emotional well-being   | 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

| The ranci study of       | Cide           |         |                       | , <u>, , , , , , , , , , , , , , , , , , </u> |                       |         |                         |         |
|--------------------------|----------------|---------|-----------------------|---|-----------------------|---------|-------------------------|---------|
|                          | Girls          |         |                       | Boys  |                       |         |                         |         |
|                          | Model 1        |         | Model 2               |   | Model 1               |         | Model                   | 1       |
|                          |                | P-value | r                     |   |                       | P-value |                         | P-value |
|                          | (95% CI)       |         | (95% CI)              |   | (95% CI)              |         | (95% CI)                |         |
| No stops, no parental    | Ref.           |         | Ref                   |   | Ref                   |         | Ref                     |         |
| incarceration            |                |         |                       |   |                       |         |                         |         |
| No stops, parental       |                | 0.82    | -0.18                 |   | -0.22                 | 0.48    |                         | 0.14    |
| incarceration            | (-0.75, 0.59)  |         | (-0.86, 0.50)         |   | (-0.82, 0.38)         |         | (-1.01, 0.15)           |         |
| 1 stop, no parental      |                | 0.00    | 1.28                  | 0.00  |                       | 0.06    |                         | 0.05    |
| incarceration            | (0.61, 2.35)   |         | (0.43, 2.13)          |   | -0.02, 1.34)          |         | (0.02, 1.35)            |         |
| 1 stop, parental         |                | 0.04    | 1.53                  | 0.05  |                       | 0.04    |                         | 0.03    |
| incarceration            | (0.09, 3.04)   |         | (0.01, 3.05)          |   | (0.12, 7.16)          |         | (0.25, 6.41)            |         |
| 2+ stops, no parental    | 1.50           | 0.00    | 1.49                  | 0.00  | 0.53                  | 0.15    |                         | 0.05    |
| incarceration            | (0.60, 2.39)   |         | (0.61, 2.38)          |   | (-0.19, 1.25)         |         | (-0.01, 1.34)           |         |
| 2+ stops, parental       | 5.59           | 0.00    | 5.48                  | 0.00  | 1.42                  | 0.07    | 1.50                    | 0.02    |
| incarceration            | (3.91, 7.27)   |         | (3.77, 7.18)          |   | (-0.09, 2.94)         |         | (0.19, 2.81)            |         |
| Age                      | 0.12           | 0.03    | 0.15                  | 0.01  | -0.03                 | 0.53    | 0.08                    | 0.21    |
|                          | (0.01, 0.22)   |         | (0.04, 0.26)          |   | (-0.13 <i>,</i> 0.07) |         | (-0.04, 0.19)           |         |
| Non-Hispanic White       | Ref.           |         | Ref.                  |   | Ref.                  |         | Ref                     |         |
| Non-Hispanic Black       | -0.58          | 0.00    | -0.87                 | 0.00  | -0.17                 | 0.46    | -0.37                   | 0.12    |
| ,                        | (-0.95, -0.20) |         | (-1.35, -0.39)        |   | (-0.62, 0.28)         |         | (-0.85, 0.10)           |         |
| Hispanic                 |                |         | 0.21                  | 0.59  |                       | 0.10    |                         | 0.44    |
|                          | (-0.58, 0.78)  |         | (-0.57, 1.00)         |   | (-0.13, 1.36)         |         | (-0.52, 1.20)           |         |
| Asian & Pacific Islander |                | 0.24    | -0.30                 | 0.56  |                       | 0.31    |                         | 0.63    |
|                          | (-1.23, 0.31)  |         | (-1.28, 0.69)         |   | (-0.34, 1.09)         |         | (-0.62, 1.02)           |         |
| American Indian &        |                |         |                       |   | 1.11                  | 0.50    |                         | 0.47    |
| Alaska Native            |                |         |                       |   | (-2.13 ,4.35)         |         | (-1.78, 3.85)           |         |
| Multiracial              | -0.10          | 0.88    | -0.18                 | 0.77  |                       | 0.94    |                         | 0.93    |
|                          | (-1.33, 1.13)  | 0.00    | (-1.42, 1.06)         |   | (-1.18, 1.27)         |         | (-1.11, 1.21)           | 0.50    |
| Other                    |                | 0.13    | -1.23                 | 0.11  |                       | 0.23    |                         | 0.42    |
| Other                    | (-2.44, 0.32)  | 0.13    | (-2.75, 0.28)         |   | (-0.83, 3.41)         | 0.23    | (-1.08, 2.58)           | 0.72    |
| Survey wave              |                | 0.00    | -0.88                 |   | -0.55                 | 0.01    | -0.65 (-1.04,           | 0.00    |
| Saivey wave              | (-1.27, -0.48) | 0.00    | (-1.27, -0.48)        |   | (-0.95, -0.16)        | 0.01    | -0.25)                  | 0.00    |
| Height                   | ( 1.27, 0.40)  |         | 0.00                  | 0.92  | ( 0.55, 0.10)         |         | -                       | 0.03    |
| ricigiit                 |                |         | (-0.08 <i>,</i> 0.08) | 0.52  |                       |         | (-0.01, 0.03)           | 0.03    |
|                          |                |         | 0.00                  | 0.24  |                       |         |                         | 0.13    |
| vveignt                  |                |         | (-0.00, 0.01)         | 0.24  |                       |         |                         | 0.13    |
| Employment               | -              |         | , , ,                 | 0.43  |                       | -       | (-0.00, 0.01)           | 0.00    |
| Employment               |                |         | -0.20<br>( 0.72       | 0.43  |                       |         |                         |         |
| Living in public housing | -              |         | (-0.72, 0.31)<br>0.47 | 0.22  |                       | -       | (-1.25, -0.40)<br>-0.42 | 0.28    |
| Living in public housing |                |         |                       | 0.22  |                       |         |                         | 0.28    |
| Dobt (nogative weelth)   |                |         | (-0.29, 1.23)         |   |                       |         | (-1.19, 0.35)           | 0.80    |
| Debt (negative wealth)   |                |         | 0.60                  |   |                       |         |                         | 0.80    |
| Markh O1                 | 1              |         | (-0.09, 1.29)         | 0.00  |                       | 1       | (-0.51, 0.66)           | 0.00    |
| Wealth Q1                |                |         | 0.72                  | 0.09  |                       |         |                         | 0.80    |
| W W 02                   | 1              |         | (-0.13, 1.56)         | 0.60  |                       |         | (-0.61, 0.79)           | 0.66    |
| Wealth Q2                |                |         | 0.86                  | 0.10  |                       |         |                         | 0.69    |
|                          |                |         | (0.25, 1.48)          |   |                       | ļ       | (-0.71, 0.47)           |         |
| 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 | -0.24          | 0.42 | -0.05 0.86                                       |
| ·                        | (-0.82, 0.34)  |      | (-0.62, 0.52)                                    |
| Beale Urbanicity Index 3 | -0.25          | 0.39 | -0.03 0.92                                       |
| ·                        | (-0.25, -0.82) |      | (-0.58, 0.53)                                    |
| Beale Urbanicity Index 4 | -0.96          | 0.02 | -0.86 0.01                                       |
|                          | (-1.74, -0.18) |      | (-0.51, -0.20)                                   |
| Beale Urbanicity Index 5 | 0.05           | 0.93 | -0.56 0.14                                       |
|                          | (-1.03, 1.12)  |      | (-1.31, 0.19)                                    |
| Beale Urbanicity Index 6 | -0.07          | 0.91 | -0.54 0.15                                       |
|                          | (-1.30, 1.15)  |      | (-1.28, 0.20)                                    |
| Beale Urbanicity Index 7 | 0.67           | 0.19 | 0.26 0.61  |
|                          | (-0.32, 1.67)  |      | (-0.73, 1.25)                                    |
| Beale Urbanicity Index 8 | 0.34           | 0.38 | -0.01 0.99                                       |
|                          | (-0.43, 1.11)  |      | (-0.70, 0.69)                                    |
| Beale Urbanicity Index 9 | 0.60           | 0.48 | -0.40 0.49                                       |
|                          | (-1.06, 2.26)  |      | (-1.53, 0.73)                                    |
| Beale Urbanicity Index   | -0.93          | 0.07 | -1.25 0.00                                       |
| 10                       | (-1.93, 0.07)  |      | (-2.01, -0.49)                                   |
| Neighborhood             | Ref            | Ref  | Ref  |
| completely safe          |                |      | <del>                                     </del> |
| Neighborhood fairly safe | 0.20           | 0.36 | 0.21 0.27  |
|                          | (-0.23, 0.63)  | 0.40 | (-0.17, 0.60)                                    |
| Neighborhood             | -0.23          | 0.48 | 0.37 0.29  |
| somewhat dangerous       | (-0.87, 0.41)  | 0.06 | (-0.32, 1.07)                                    |
| Neighborhood             | -1.12          | 0.06 | 0.11 0.89  |
| extremely dangerous      | (-2.31, 0.06)  |      | (-1.46, 1.67)                                    |
| Moved in the past year   | 0.78           | 0.05 | 0.47 0.20  |
| . ,                      | (0.01, 1.55)   |      | (-0.25, 1.19)                                    |
| Mother's education <12   | -0.11          | 0.85 | -0.38 0.47                                       |
| years                    | (-1.31, 1.08)  |      | (-1.42, 0.66)                                    |
| Mother's education 12    | -0.04          | 0.92 | -0.19 0.65                                       |
| years                    | (-0.95, 0.86)  |      | (-1.00, 0.63)                                    |
| Mother's education 13-   | 0.26           | 0.55 | 0.05 0.91  |
| 16 years                 | (-0.59, 1.12)  |      | (-0.72, 0.82)                                    |
| Mother's education >16   | Ref            | Ref  | Ref  |
| years                    |                |      |  |
| Father's education <12   | -0.11          | 0.84 | 0.24 0.63  |
| years                    | (-1.21, 0.98)  |      | (-0.72, 1.20)                                    |
| Father's education 12    | -0.03          | 0.94 | 0.03 0.95  |
| years                    | (-0.84, 0.78)  |      | (-0.74, 0.79)                                    |
| Father's education 13-   | -0.07          | 0.85 | -0.22 0.55                                       |
| 16 years                 | (-0.83, 0.68)  |      | (-0.95, 0.51)                                    |
| Father's education >16   | Ref            | Ref  | Ref  |
| years                    |                |      |  |

**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   | Non-Hispanic White |         | Non-Hispanic Black |         | Non-Hispanic Black    |         |
|-------|----------|----------------|---------|--------------------|---------|--------------------|---------|-----------------------|---------|
|       |          | (Age Adjusted  | )       | (Fully Adjuste     | ed)     | (Age Adjusted)     |         | (Fully Adjusted)      |         |
|       |          | β              | P-value | β                  | P-value | β                  | P-value | β                     | P-value |
|       |          | (95% CI)       |         | (95% CI)           |         | (95% CI)           |         | (95% CI)              |         |
| Girls | 0 stops  | Ref            |         | Ref                |         | Ref                |         | Ref                   |         |
|       | 1 stop   | -0.25          | 0.04    | -0.11              | 0.39    | -0.52              | 0.01    | -0.60                 | 0.00    |
|       |          | (-0.49, -0.01) |         | (-0.37, 0.14)      |         | (-0.92, -0.11)     |         | (-0.97, -0.22)        |         |
|       | 2+ stops | -0.55          | 0.00    | -0.44              | 0.00    | -0.92              | 0.00    | -0.83                 | 0.00    |
|       |          | (-0.85, -0.24) |         | (-0.73, -0.15)     |         | (-1.45, -0.40)     |         | (-1.38, -0.28)        |         |
| Boys  | 0 stops  | Ref            |         | Ref                |         | Ref                |         | Ref                   |         |
|       | 1 stop   | -0.40          | 0.02    | -0.32              | 0.03    | 0.27               | 0.10    | 0.25                  | 0.10    |
|       |          | (-0.72, -0.07) |         | (-0.63, -0.02)     |         | (-0.05, 0.59)      |         | (-0.05 <i>,</i> 0.54) |         |
|       | 2+ stops | -0.30          | 0.07    | -0.27              | 0.08    | -0.27              | 0.16    | -0.19                 | 0.27    |
|       |          | (-0.62, 0.02)  |         | (-0.58, 0.03)      |         | (-0.66, 0.11)      |         | (-0.53, 0.15)         |         |

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.

<sup>\*</sup>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

| r arren seda y or meen              | Te by mannes    | , (2002 | a 2007 ), 30   |      | ca by genae    |         |                        |         |
|-------------------------------------|-----------------|---------|----------------|------|----------------|---------|------------------------|---------|
|                                     | Girls           |         | Boys           |      |                |         |                        |         |
|                                     | Model 1 Model 2 |         | Model          | 1    | Model 2        |         |                        |         |
|                                     | β               | P-value | β              | P-   | β              | P-value | β                      | P-value |
|                                     | (95% CI)        |         | (95% CI)       |      | (95% CI)       |         | (95% CI)               |         |
| No stops, no parental incarceration | Ref.            |         | Ref            |      | Ref            |         | Ref                    |         |
| No stops, parental                  | -0.34           | 0.02    | -0.30          | 0.03 | -0.21          | 0.26    | -0.08                  | 0.65    |
| incarceration                       | (-0.63, -0.05)  |         | (-0.58, -0.02) |      | (-0.57, 0.15)  |         | (-0.41, 0.26)          |         |
| 1 stop, no parental                 | -0.48           | 0.00    | -0.39          | 0.00 | -0.08          | 0.55    | -0.06                  | 0.63    |
| incarceration                       | (-0.74, -0.21)  |         | (-0.65, -0.14) |      | (-0.33, 0.18)  |         | (-0.32, 0.19)          |         |
| 1 stop, parental                    | -0.11           | 0.53    | -0.02          | 0.92 | -0.80          | 0.09    | -0.64                  | 0.17    |
| incarceration                       | (-0.46, 0.24)   |         | (-0.48, 0.44)  |      | (-1.72, 0.11)  |         | (-1.55, 0.27)          |         |
| 2+ stops, no parental               | -0.54           | 0.00    | -0.47          | 0.00 | -0.37          | 0.00    | -0.36                  | 0.00    |
| incarceration                       | (-0.79, -0.29)  |         | (-0.71, -0.22) |      | (-0.61, -0.13) |         | (-0.59, -0.12)         |         |
| 2+ stops, parental                  | -1.15           | 0.00    | -1.10          | 0.00 | -0.11          | 0.68    | -0.08                  | 0.77    |
| incarceration                       | (-1.80, -0.49)  |         | (-1.82, -0.39) |      | (-0.60, 0.39)  |         | (-0.60, 0.45)          |         |
| Age                                 | -0.01           | 0.53    | -0.02          | 0.45 | 0.03           | 0.30    | 0.01                   | 0.67    |
|                                     | (-0.05, 0.03)   |         | (-0.06, 0.03)  |      | (-0.02, 0.07)  |         | (-0.04, 0.07)          |         |
| Non-Hispanic White                  | Ref.            |         | Ref.           |      | Ref.           |         | Ref                    | •       |
| Non-Hispanic Black                  | -0.06           | 0.51    | 0.12           | 0.20 | 0.13           | 0.10    | 0.33                   | 0.00    |
|                                     | (-0.24, 0.12)   |         | (-0.07, 0.32)  |      | (-0.03, 0.29)  |         | (0.14, 0.52)           |         |
| Hispanic                            | -0.36           | 0.00    | -0.09          | 0.53 | -0.21          | 0.27    | 0.11                   | 0.57    |
|                                     | (-0.60, -0.11)  |         | (-0.39, 0.20)  |      | (-0.58, 0.16)  |         | (-0.28, 0.51)          |         |
| Asian & Pacific Islander            | -0.07           | 0.79    | -0.01          | 0.98 | -0.19          | 0.27    | -0.08                  | 0.73    |
|                                     | (-0.60, 0.46)   |         | (-0.56, 0.54)  |      | (-0.54, 0.15)  |         | (-0.51, 0.35)          |         |
| American Indian &                   |                 |         |                |      | -0.11          | 0.86    | -0.26                  | 0.63    |
| Alaska Native                       |                 |         |                |      | (-1.33, 1.11)  |         | (-1.29, 0.78)          |         |
| Multiracial                         |                 | 0.00    | -0.55          | 0.01 | 0.05           | 0.77    | 0.08                   | 0.71    |
|                                     | (-1.02, -0.26)  |         | (-0.95, -0.15) |      | (-0.30, 0.41)  |         | (-0.34, 0.50)          |         |
| Other                               |                 | 0.00    | -0.67          |      | -1.02          | 0.05    |                        | 0.17    |
|                                     | (-1.45, -0.33)  |         | (-1.19, -0.15) |      | (-2.06, 0.01)  |         | (-1.99, 0.35)          |         |
| Survey wave                         | 0.36            | 0.00    | 0.34           | 0.00 | 0.31           | 0.00    | 0.33                   | 0.00    |
|                                     | (0.22, 0.50)    |         | (0.20, 0.48)   |      | (0.14, 0.49)   |         | (0.16, 0.50)           |         |
| Height                              |                 |         | 0.01           | 0.70 |                |         | 0.00                   | 0.82    |
|                                     |                 |         | (-0.02, 0.03)  |      |                |         | (-0.02, 0.03)          |         |
| Weight                              |                 |         | 0.00           | 0.55 |                |         |                        | 0.91    |
|                                     |                 |         | (-0.00, 0.00)  |      |                |         | (-0.00, 0.00)          |         |
| Employment                          |                 |         | -0.03          | 0.73 |                |         |                        | 0.33    |
|                                     |                 |         | (-0.19, 0.13)  |      |                |         | (-0.10, 0.31)          |         |
| Living in public housing            |                 |         | -0.46          | 0.01 |                |         |                        | 0.92    |
|                                     |                 |         | (-0.81, -0.11) |      |                |         | (-0.02 <i>,</i> -0.51) |         |
| Debt (negative wealth)              |                 |         | -0.22          | 0.06 |                |         |                        | 0.21    |
|                                     |                 |         | (-0.46, 0.01)  | 0.55 |                |         | (-0.52, 0.11)          | 0.05    |
| Wealth Q1                           |                 |         | -0.15          | 0.28 |                |         |                        | 0.39    |
|                                     |                 |         | (-0.42, 0.12)  |      |                |         | (-0.46, 0.18)          |         |
| Wealth Q2                           |                 |         | -0.16          | 0.14 |                |         |                        | 0.10    |
|                                     |                 |         | (-0.38, 0.05)  | 0.65 |                |         | (-0.49, 0.04)          | 0.05    |
| Wealth Q3                           |                 |         | -0.11          | 0.28 |                |         | -0.13                  | 0.23    |

|                              | (-0.31, 0.09)          |      | (-0.34, 0.08) |         |
|------------------------------|------------------------|------|---------------|---------|
| Wealth Q4                    | Ref                    |      | Ref           |         |
| Beale Urbanicity Index 1     | Ref                    | •    | Ref           |         |
| Beale Urbanicity Index 2     | -0.11                  | 0.33 |               | 0.99    |
| Beare Orbanicity maex 2      | (-0.33, 0.11)          | 0.55 | (-0.25, 0.25) | 0.55    |
| Beale Urbanicity Index 3     | -0.09                  | 0.35 |               | 0.17    |
| beate orbanicity index 3     | (-0.28, 0.10)          | 0.55 | (-0.08, 0.44) | 0.17    |
| Beale Urbanicity Index 4     | 0.16                   | 0.25 |               | 0.07    |
| beate Orbanicity index 4     | (-0.12, 0.44)          | 0.23 | (-0.03, 0.74) | 0.07    |
| Beale Urbanicity Index 5     | 0.11                   | 0.42 |               | 0.03    |
| Beale Orbanicity index 5     | (-0.16, 0.39)          | 0.42 | (0.05, 0.78)  | 0.03    |
| Beale Urbanicity Index 6     | 0.18                   | 0.54 |               | 0.07    |
| Beale Orbanicity index 6     |                        | 0.54 |               | 0.07    |
| Doolo I Inhanisita da da 7   | (-0.39, 0.75)<br>-0.12 | 0.46 | (-0.03, 0.64) | 0.00    |
| Beale Urbanicity Index 7     |                        | 0.46 |               | 0.88    |
|                              | (-0.43, 0.19)          | 0.05 | (29, 0.34)    | 0.46    |
| Beale Urbanicity Index 8     | -0.01                  | 0.96 |               | 0.46    |
|                              | (-0.30, 0.28)          |      | (-0.19,       |         |
| Darata Halarariaita da da co | 0.42                   | 0.55 | 0.0.42)       | 0.43    |
| Beale Urbanicity Index 9     | 0.12                   | 0.55 |               | 0.13    |
|                              | (-0.28, 0.53)          |      | (-0.08, 0.67) |         |
| Beale Urbanicity Index       | -0.14                  | 0.65 |               | 0.03    |
| 10                           | (-0.72, 0.45)          |      | (0.05, 1.18)  |         |
| Neighborhood                 | Ref                    |      | Ref           | ŀ       |
| completely safe              |                        |      |               |         |
| Neighborhood fairly safe     | -0.02                  | 0.83 |               | 0.76    |
|                              | (-0.16, 0.13)          |      | (-0.20, 0.14) |         |
| Neighborhood                 | -0.04                  | 0.79 |               | 0.94    |
| somewhat dangerous           | (-0.30, 0.23)          |      | (-0.31, 0.33) |         |
| Neighborhood                 | 0.11                   | 0.82 |               | 0.30    |
| extremely dangerous          | (-0.83, 1.04)          |      | (-0.98, 0.30) |         |
| Moved in the past year       | -0.07                  | 0.63 | -0.13         | 0.41    |
|                              | (-0.37, 0.23)          |      | (-0.42, 0.17) |         |
| Mother's education <12       | -0.28                  | 0.16 |               | 0.38    |
| years                        | (-0.66, 0.11)          |      | (-0.70, 0.27) |         |
| Mother's education 12        | -0.19                  | 0.16 | -0.28         | 0.11    |
| years                        | (-0.46, 0.07)          |      | (-0.62, 0.07) |         |
| Mother's education 13-       | 0.01                   | 0.94 | -0.19         | 0.26    |
| 16 years                     | (-0.23, 0.25)          |      | (-0.51, 0.14) |         |
| Mother's education >16       | Ref                    |      | Ref           |         |
| years                        |                        |      |               |         |
| Father's education <12       | -0.04                  | 0.86 | -0.42         | 0.09    |
| years                        | (-0.43, 0.36)          |      | (-0.90, 0.07) | <u></u> |
| Father's education 12        | 0.04                   | 0.77 | -0.23         | 0.21    |
| years                        | (-0.24, 0.32)          |      | (-0.58, 0.13) | <u></u> |
| Father's education 13-       | 0.03                   | 0.85 | -0.09         | 0.55    |
| 16 years                     | (-0.23, 0.28)          |      | (-0.40, 0.21) |         |
| Father's education >16       | Ref                    |      | Ref           |         |
| years                        |                        |      |               |         |

**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                | L     | Model 2        |       | Model 1        |       | Model 2        |       |
|                   |                       | β                      | P-    | β              | P-    | β              | P-    | β              | P-    |
|                   |                       | (95% CI)               | value | (95% CI)       | value | (95% CI)       | value | (95% CI)       | value |
| Emotional well-   | No stops, no parental | Ref.                   |       | Ref            |       | Ref            |       | Ref            |       |
| being             | incarceration         |                        |       |                |       |                |       |                |       |
|                   | No stops, parental    | -0.24                  | 0.16  | -0.23          | 0.17  | -0.30          | 0.15  | -0.17          | 0.34  |
|                   | incarceration         | (-0.59, 0.10)          |       | (-0.56, 0.10)  |       | (-0.72, 0.11)  |       | (-0.51, 0.17)  |       |
|                   | 1 stop, no parental   | -0.46                  | 0.01  | -0.39          | 0.02  | -0.23          | 0.11  | -0.25          | 0.08  |
|                   | incarceration         | (-0.81, -0.11)         |       | (-0.73, -0.06) |       | (-0.51, 0.05)  |       | (-0.53, 0.03)  |       |
|                   | 1 stop, parental      | -0.43                  | 0.01  | -0.44          | 0.04  | -1.04          | 0.13  | -0.89          | 0.17  |
|                   | incarceration         | (-0.76 <i>,</i> -0.09) |       | (-0.85, -0.02) |       | (-2.39, 0.31)  |       | (-2.17, 0.39)  |       |
|                   | 2+ stops, no parental | -0.51                  | 0.00  | -0.46          | 0.00  | -0.43          | 0.00  | -0.45          | 0.00  |
|                   | incarceration         | (-0.80, -0.22)         |       | (-0.75, -0.18) |       | (-0.70, -0.17) |       | (-0.70, -0.20) |       |
|                   | 2+ stops, parental    | -0.09                  | 0.88  | 0.01           | 0.69  | -0.07          | 0.71  | -0.02          | 0.93  |
|                   | incarceration         | (-1.29, 1.10)          |       | (-0.04, 0.06)  |       | (-0.46, 0.31)  |       | (-0.45, -0.42) |       |
| Social well-being | No stops, no parental | Ref.                   |       | Ref            |       | Ref            |       | Ref            |       |
|                   | incarceration         |                        |       |                |       |                |       |                |       |
|                   | No stops, parental    | -0.46                  | 0.01  | -0.37          | 0.04  | -0.20          | 0.40  | -0.08          | 0.73  |
|                   | incarceration         | (-0.82, -0.10)         |       | (-0.73, -0.01) |       | (-0.66, 0.26)  |       | (-0.51, 0.36)  |       |
|                   | 1 stop, no parental   | -0.60                  | 0.00  | -0.52          | 0.00  | 0.02           | 0.88  | 0.06           | 0.68  |
|                   | incarceration         | (-0.94, -0.26)         |       | (-0.85, -0.19) |       | (-0.26, 0.30)  |       | (-0.22, 0.34)  |       |
|                   | 1 stop, parental      | 0.03                   | 0.90  | 0.18           | 0.66  | -0.89          | 0.06  | -0.76          | 0.14  |
|                   | incarceration         | (-0.52, 0.59)          |       | (-0.59, 0.95)  |       | (-1.82, 0.03)  |       | (-1.75, 0.24)  |       |
|                   | 2+ stops, no parental | -0.75                  | 0.00  | -0.66          | 0.00  | -0.42          | 0.01  | -0.39          | 0.01  |
|                   | incarceration         | (-1.06, -0.45)         |       | (-0.98, -0.35) |       | (-0.73, -0.10) |       | (-0.71, -0.08) |       |
|                   | 2+ stops, parental    | -1.78                  | 0.00  | -1.77          | 0.00  | -0.32          | 0.34  | -0.29          | 0.41  |
|                   | incarceration         | (-2.54, -1.02)         |       | (-2.71, -0.82) |       | (-0.99, 0.34)  |       | (-0.98, 0.40)  |       |
| Psychologic well- | No stops, no parental | Ref.                   |       | Ref            |       | Ref            |       | Ref            |       |
| being             | incarceration         |                        |       |                |       |                |       |                |       |
|                   | No stops, parental    | -0.29                  | 0.05  | -0.28          | 0.07  | -0.17          | 0.32  | -0.03          | 0.85  |
|                   | incarceration         | (-0.59, 0.01)          |       | (-0.58, 0.02)  |       | (-0.51, 0.17)  |       | (-0.38, 0.32)  |       |
|                   | 1 stop, no parental   | -0.35                  | 0.02  | -0.24          | 0.09  | -0.10          | 0.47  | -0.09          | 0.54  |
|                   | incarceration         | (-0.62, -0.07)         |       | (-0.52, 0.04)  |       | (-0.37, 0.17)  |       | (-0.36, 0.19)  |       |
|                   | 1 stop, parental      | -0.06                  | 0.71  | 0.06           | 0.73  | -0.53          | 0.18  | -0.31          | 0.42  |
|                   | incarceration         | (-0.37, 0.25)          |       | (-0.26, 0.37)  |       | (-1.32, 0.25)  |       | (-1.06, 0.44)  |       |
|                   | 2+ stops, no parental | -0.30                  | 0.05  | -0.23          | 0.11  | -0.28          | 0.04  | -0.26          | 0.04  |
|                   | incarceration         | (-0.60, 0.01)          |       | (-0.51, 0.05)  |       | (-0.54, -0.01) |       | (-0.51, -0.01) |       |
|                   | 2+ stops, parental    | -1.14                  | 0.00  | -1.01          | 0.01  | 0.13           | 0.60  | 0.14           | 0.58  |
|                   | incarceration         | (-1.80, -0.48)         |       | (-1.73, -0.28) |       | (-0.35, 0.60)  |       | (-0.34, 0.61)  |       |

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

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

| Race/ethnicity  Gender   | Primary caregiver, & self                        | Primary care giver reported race/ethnicity of the adolescent, and when this is missing adolescent self-reported race/ethnicity was used  Sex assigned at birth   | Non-Hispanic White<br>Non-Hispanic Black<br>Hispanic<br>Asian & Pacific<br>Islander<br>American Indian &<br>Alaska Native<br>Multiracial<br>Other |
|--------------------------|--|--|---|
|                          | records &<br>reported by<br>head of<br>household |  | Girls   |
| Age                      | Study<br>generated                               | Age at the time of the primary caregiver interview constructed using the date of the interview and birth date of child   | Continuous<br><16, >=16   |
| Height                   | Assessment<br>and self-<br>report                | Measured by interviewer. For 13 individuals for whom measured height was missing, we used reported weight: either height at last doctor's visit was used if the visit was in the last 5 months, or self-reported height.   | Continuous  |
| Weight                   | Assessment<br>and self-<br>report                | Measured by interviewer. For 22 individuals for whom measured weight was missing, we used reported weight: either at last doctor's visit was used if the visit was in the last 5 months, or self-reported weight.  | Continuous  |
| Adolescent<br>employment | Adolescent<br>self-report                        | Do you have a regularly paying job at the present time?  | Employed<br>Not employed  |
| Living in public housing | Head of<br>household                             | Is this house/apartment in a public housing project, that is, is it owned by a local housing authority or other public agency?   | Living in public<br>housing<br>Not living in public<br>housing  |
| Wealth                   | Study<br>generated                               | Constructed as a sum of values of: value of farm/business, checking/saving account, real estate, stocks, vehicles, annuity/IRA, and negative debt value. Each of these variables is imputed by the PSID study staff. For households not in debt, we examined quartiles of wealth within each survey wave.  | Debt  |
| Urbanicity               | Study-<br>generated                              | Beale Rural-Urban Code  1 Central counties of metropolitan areas of 1 million population or more  2 Fringe counties of metropolitan areas of 1 million population or more  3 Counties in metropolitan areas of 250 thousand to 1 million population  4 Counties in metropolitan areas of <250 thousand population  5 Urban population of 20,000 or more, adjacent to metropolitan area  6 Urban population of 20,000 or more, not adjacent to a metropolitan area  7 Urban population of <20,000, adjacent to a metropolitan area  8 Urban population of <20,000, not adjacent to a metropolitan area  9 Completely rural, adjacent to a metropolitan area  10 Completely rural, not adjacent to a metropolitan area | Indicators for each<br>value [1,10]   |

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