**Table A1:** Bivariate associations and descriptive statistics for the WCHADS study; Transformed scores were used for Pearson’s correlations with tetrachoric correlations for binary/binary associations and point-biserial for binary/continuous associations; raw scores were used for the descriptive statistics.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Age 5 aggression mother report | Age 5 aggression partner report | Age 3.5 aggression mother report | Age 3.5 CU traits | Maternal mood | Partner mood | Mothers age | Most deprived | Male sex |
| Age 5 aggression partner report  | .64\*\*\* |  |  |  |  |  |  |  |  |
| Age 3.5 aggression mother report | .70\*\*\* | .50\*\*\* |  |  |  |  |  |  |  |
| Age 3.5 CU traits | .38\*\*\* | .37\*\*\* | .38\*\*\* |  |  |  |  |  |  |
| Maternal mood | .24\*\*\* | .13\*\* | .25\*\*\* | .15\*\*\* |  |  |  |  |  |
| Partner mood | .12\* | .15\*\* | .15\*\* | .12\* | .18\*\*\* |  |  |  |  |
| Mothers age at pregnancy | -.11\*\* | -.08 | -.16\*\*\* | -.20\*\*\* | .11\*\* | .01 |  |  |  |
| Most deprived | .13\*\*\* | .19\*\*\* | .06 | .17\*\*\* | .10\*\* | .05 | -.32\*\*\* |  |  |
| Male sex | .12\*\* | .11\* | .11\*\* | .15\*\*\* | .06 | .01 | .01 |  |  |
| Mean (SD) | 6.64 (6.13) | 5.81 (5.87) | 7.43 (5.83) |  3.26 (1.90) | 7.66 (7.90) | 9.59 (4.56) | 28.00 (5.75) |  |  |
| % |  |  |  |  |  |  |  | 36% | 48% |

\*p<.05 \*\*p<.01 \*\*\*p<.001 Note. Maternal mood was assessed using the Centre for Epidemiological Studies Depression scale and partner mood using the General Health Questionnaire.

**Table A2:** Bivariate associations and descriptive statistics for the La Sabana Parent-Child study; Transformed scores were used for Pearson’s correlations with tetrachoric correlations for binary/binary associations and point-biserial for binary/continuous associations; raw scores were used for the descriptive statistics.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Mean (SD) | % | Age 5 aggression  | Age 3.5 aggression  | Age 3.5 CU traits | Maternal mood | Mothers age | Most deprived | Male sex |
| Age 5 aggression  | 8.70 (5.62) |  |  |  |  |  |  |  |  |
| Age 3.5 aggression  | 11.83 (6.35) |  | .49\*\*\* |  |  |  |  |  |  |
| Age 3.5 CU traits | 16.01 (8.71) |  | .39\*\*\* | .40\*\*\* |  |  |  |  |  |
| Maternal mood | 6.17 (4.50) |  | .34\*\*\* | .38\*\*\* | .28\*\*\* |  |  |  |  |
| Mothers age at pregnancy | 30.00 (6.25) |  | -.13 | -.24\*\*\* | -.19\* | -.30\*\*\* |  |  |  |
| Most deprived |  | 45% | .12 | .12 | .21\*\* | .23\*\*\* | -.25\*\*\* |  |  |
| Male sex |  | 51% | .09 | .16\* | .17\*\* | -.03 | -.03 | .01 |  |
| Central region |  | 41% | .05 | -.05 | -.06 | .08 | .08 | .03 | -.01 |
| Caribbeanregion |  | 30% | -.04 | .10 | .12 | -.05 | -.05 | .09 | .14 |
| Pacific region |  | 29% | -.02 | .15\* | -.05 | -.03 | -.03 | -.13 | -.10 |

\*p<.05 \*\*p<.01 \*\*\*p<.001. Note. Maternal mood was assessed using the Edinbugh Postnatal Depression Scale.

**Appendix 1:** Results of regions of significance analysis using CU traits as the moderator of the age 3.5 years to 5.0 years aggression association.

In the WCHADS data, regions of significance analysis indicated that the association between age 3.5 aggression and age 5.0 aggression became significant at 6.2 SD’s below the mean on age 3.5 CU traits for mother reported outcome (which is not a possible score) and 2.1 SD’s below the mean on age 3.5 CU traits for partner reported outcome (which is not a possible score). The simple slopes analysis, shown in Table A3, indicated that the association between age 3.5 and 5.0 aggression was significant at all three levels of age 3.5 CU traits. In the La Sabana sample, regions of significance analysis indicated that the association between age 3.5 aggression and age 5.0 aggression became significant at 2.17 SD’s below the mean on age 3.5 CU traits (which equates a score of 1 or less, 2/220 children).

**Table A3:** Simple intercepts and slopes for the association between age 3.5 aggression and age 5.0 aggression at three levels of age 3.5 CU traits (at mean and 1 SD above and below mean) in the two samples

|  |  |  |  |
| --- | --- | --- | --- |
| Age 3.5 aggression | UK- WCHADS Mother report | UK – WCHADS Partner report | Columbia – La Sabana Study |
|  | Est.  | (SE) | p | Est.  | SE | p | Est |  SE | p |
| 1 SD below mean | Intercept | 1.73 | (.22) | <.001 | 1.76 | (.39) | <.001 | 2.20 | (.35) | <.001 |
| Slope | .60 | (.03) | <.001 | .31 | (.06) | <.001 | .30 | (.07) | <.001 |
| At mean | Intercept | 1.87 | (.21) | <.001 | 1.90 | (.38) | <.001 | 2.37 | (.35) | <.001 |
| Slope | .66 | (.03) | <.001 | .44 | (.44) | <.001 | .37 | (.07) | <.001 |
| 1 SD above mean | Intercept | 2 | (.21) | <.001 | 2.05 | (.37) | <.001 | 2.53 | (.35) | <.001 |
| Slope | .72 | (.05) | <.001 | .56 | (.06) | <.001 | .45 | (.10) | <.001 |

**Table A4:** Summary of multiple linear regression models predicting age 5 years CBCL aggression from age 3.5 years 12-item CU traits and aggression in the La Sabana Parent and Child Study

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ΔR2 | p | Variable | β | 95% CI | p |
| Block 1 | .276 | <.001 | Child sex  | .02 | (-.20, .27) | .770 |
|  |  |  | Mother age | .03 | (-.02, .03) | .684 |
|  |  |  | Household income | -.01 | (-.26, .24) | .947 |
|  |  |  | Pacific region | -.10 | (-.49, .08) | .151 |
|  |  |  | Caribbean region | -.06 | (-.42, .15) | .343 |
|  |  |  | Maternal mood age 5.0  | .21 | (.07, .34) | .003 |
|  |  |  | Aggression age 3.5 | .42 | (.30, .60) | <.001 |
| Block 2 | .018 | .022 | CU traits age 3.5 | .16 | (.04, .30) | .022 |
| Block 3 | .009 | .118 | Aggression X CU traits 3.5 | .10 | (-.02, .21) | .118 |

*Note*: Block 1 effects were generated from a model with only Block 1, Block 2 effect from a model with Block1 plus Block 2, and Block 3 effect from a model with all three Blocks.

**Table A5:** Summary of multiple linear regression models predicting age 5 years maternal report CBCL aggression from age 3.5 years maternal report CU traits (using the 12-item ICU in Colombia) and aggression in the combined WCHADS and La Sabana Studies

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ΔR2 | p | Variable | β | 95% CI | p |
| Block 1  | .448 | <.001 | Country | -.07 | (-.24, .09) | .385 |
|  |  |  | Aggression age 3 | .63 | (.58, .68) | <.001 |
| Block 2 | .013 | <.001 | CU traits age 3 | .13 | (.07, .18) | <.001 |
| Block 3 | .015 | <.001 | Aggression X CU traits 3.5 | .07 | (.02, .11) | .003 |
|  |  |  | Aggression X Country | .25 | (.11, .38) | <.001 |
|  |  |  | CU traits X Country | -.04 | (-.16, .09) | .569 |
| Block 4  | .000 | .693 | Aggression X CU traits X Country  | -.04 | (-.14, .07) | .504 |

*Note*: the variables main effects and two-way interactions were taken from their individual blocks. Confounds not shown.