# Supplementary Materials: Meta-Analytic Associations Between Dimensions of Childhood Adversity and Youth Psychopathology

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|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Threat** | AND | **Deprivation** | AND | **Internalizing** | OR | **Externalizing** | OR | **PTSD** | AND | **Childhood** | NOT | **(Exclude)** |
| violen\* |  | adopt\* |  | depressi\* |  | delinquen\* |  | posttraumatic stress |  | child\* |  | brain injury |
| trauma\* |  | institutional rearing |  | mood |  | conduct |  | PTSD |  | adolesc\* |  | animal |
| maltreat\* |  | orphan\* |  | anxious |  | antisocial |  |  |  | infan\* |  | meta-analy\* |
| abus\* |  | poverty |  | anxiety |  | oppositional |  |  |  | pediatric\* |  |  |
| assault\* |  | neglect |  | phobia |  | aggressi\* |  |  |  | teen\* |  |  |
| threat |  | food insecurity |  | somati\* |  | behavior problems |  |  |  |  |  |  |
|  |  | deprivation |  | internalizing |  | hyperactiv\* |  |  |  |  |  |  |
|  |  |  |  |  |  | inattenti\* |  |  |  |  |  |  |
|  |  |  |  |  |  | substance use |  |  |  |  |  |  |
|  |  |  |  |  |  | externalizing |  |  |  |  |  |  |

## Table S1. Full list of search terms (AB All Fields)

## Table S2. Results of Individual Moderator Analyses for Internalizing Psychopathology

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Moderator** | **ESs** | **Intercept [95% CI]** | **Estimate [95% CI]** | **Omnibus test** | ***p*-value** |
| *Study and Sample Characteristics* | | | | | |
| Study conducted in US, Canada, Australia, or UK | 598 | .206[.172, .241] | .006 [-.042, .054] | F(1, 596)=.062 | .803 |
| Publication year1 | 598 | .209[.185, .233] | .001[-.002, .005] | F(1, 596)=.447 | .504 |
| Mean age1 | 577 | .212[.187, .236] | .001[-.006, .009] | F(1, 575)=.127 | .722 |
| Percent male | 596 | .222 [.174, .271] | -.000 [-.001, .001] | F(1, 594)=.250 | .617 |
| Percent racial/ethnic minority | 598 | .209 [.159, .258] | .000 [-.001, .001] | F(1, 596)=.002 | .967 |
| Percent low SES | 239 | .273 [.176, .371] | -.001 [-.003, .000] | F(1, 237)=3.768 | .053 |
| *Psychopathology Measurement* | | | | | |
| Outcome: Internalizing Spectrum | 598 | .217[.190, .243] | -.020[-.053, .013] | F(1, 596)=1.437 | .231 |
| **Outcome: Depression** | **598** | **.190[.165, .215]** | **.047[.024, .070]** | **F(1, 596)=16.348** | **<.001** |
| Outcome: Anxiety | 598 | .217[.192, .242] | -.036[-.061, -.010] | F(1, 596)=7.489 | .006 |
| Outcome: Somatic Symptoms | 598 | .211[.188, .235] | -.055[-.116, .005] | F(1, 596)=3.209 | .074 |
| Mean sample age: Early childhood | 596 | .212[.188, .237] | -.109[-.241, .024] | F(1, 594)=2.594 | .108 |
| Mean sample age: Middle childhood | 596 | .210[.185, .236] | -.009[-.058, .041] | F(1, 594)=0.116 | .734 |
| Mean sample age: Early adolescence | 596 | .195[.167, .224] | .038[-.005, .080] | F(1, 594)=3.003 | .084 |
| Mean sample age: Late adolescence | 596 | .216[.186, .245] | -.016[-.054, .022] | F(1, 594)=.700 | .403 |
| **Self-reported** | **598** | **.149[.114, .183]** | **.078[.044, .112]** | **F(1, 596)=20.700** | **<.001** |
| Caregiver-reported | 598 | .218[.194, .242] | -.041[-.075, -.007] | F(1, 596)=5.705 | .017 |
| Data type (correlation vs. beta coefficients) | 598 | .201[.175, .226] | .069[.011, .127] | F(1, 596)=5.446 | .020 |
| **Time since adversity (0 vs. > 0)** | **596** | **.231[.206, .255]** | **-.094[-.139, -.050]** | **F(1, 594)=17.420** | **<.001** |
| *Adversity Measurement* | | | | | |
| Continuous variable | 598 | .158[.113, .202] | .059[.016, .102] | F(1, 596)=7.364 | .007 |
| Latent variable | 598 | .212[.188, .236] | -.038[-.097, .021] | F(1, 596)=1.580 | .209 |
| **Multiple indicators** | **598** | **.201[177, .225]** | **.118[.070, .165]** | **F(1, 596)=23.788** | **< .001** |
| Timing of exposure: Infancy | 598 | .208[.183, .232] | .059[-.001, .118] | F(1, 596)=3.747 | .053 |
| Timing of exposure: Early childhood | 598 | .211[.186, .237] | -.010[-.056, .035] | F(1, 596)=0.207 | .649 |
| Timing of exposure: Middle childhood | 598 | .216[.186, .246] | -.013[-.048, .022] | F(1, 596)=0.550 | .459 |
| Timing of exposure: Early adolescence | 598 | .173[.137, .210] | .050[.010, .090] | F(1, 596)=6.110 | .014 |
| **Timing of exposure: Late adolescence** | **598** | **.150[.110, .190]** | **.085[.037, .133]** | **F(1, 596)=12.149** | **<.001** |
| Lifetime assessment | 533 | .167[.125, .209] | .056[.015, .098] | F(1, 531)=7.139 | .008 |
| **Self-report** | **598** | **.120[.085, .155]** | **.121[.084, .158]** | **F(1, 596)=41.448** | **<.001** |
| Caregiver-report | 598 | .218[.193, .243] | -.049[-.091, -.007] | F(1, 596)=5.143 | .024 |
| **Records review** | **598** | **.214[.191, .238]** | **-.093[-.149, -.036]** | **F(1, 596)=10.334** | **.001** |
| *Threat Indicators* | | | | | |
| Physical abuse | 377 | .242[.213, .270] | -.030[-.054, -.005] | F(1, 375)=5.724 | .017 |
| Sexual abuse | 377 | .237[.209, .265] | -.026[-.053, .000] | F(1, 375)=3.731 | .054 |
| **Emotional abuse** | **377** | **.187[.160, .214]** | **.111[.089, .133]** | **F(1, 375)=97.067** | **<.001** |
| Witnessing domestic violence | 377 | .229[.202, .256] | -.007[-.045, .032] | F(1, 375)=0.112 | .738 |
| Community violence | 377 | .231[.204, .259] | -.021[-.064, .021] | F(1, 375)=.0989 | .321 |
| Peer victimization | 377 | .229[.202, .255] | -.024[-.090, .042] | F(1, 375)=0.513 | .474 |
| *Deprivation Indicators* | | | | | |
| Physical neglect | 221 | .203[.172, .233] | -.047[-.083, -.011] | F(1, 219)=6.719 | .010 |
| **Emotional neglect** | **221** | **.164[.135, .193]** | **.088[.053, .123]** | **F(1, 219)=24.335** | **<.001** |
| Neglect (unspecified/other) | 221 | .185[.151, .218] | .010[-.042, .063] | F(1, 219)=0.154 | .695 |
| **Poverty** | **221** | **.204[.176, .233]** | **-.116[-.175, -.057]** | **F(1, 219)=14.989** | **<.001** |
| Food insecurity | 221 | .182[.153, .210] | .106[.020, .193] | F(1, 219)=5.860 | .016 |
| Low enrichment | 221 | .185[.156, .214] | .052[-.034, .138] | F(1, 219)=1.435 | .232 |
| **Other** | **221** | **.201[.174, .229]** | **-.147[-.224, -.070]** | **F(1, 219)=14.111** | **<.001** |

*Note*. 1Mean centered. Intercepts, estimates, and their confidence intervals are presented in Fishers z metric. A Bonferroni correction was applied to the alpha level, yielding a family-wise error rate of .001.

## Table S3. Summary of Final Multilevel Meta-Analytic Model with Moderators for Internalizing Psychopathology Across 596 Effect Sizes

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Moderator** | **Estimate** | **SE** | ***t*** | **df** | ***p*-value** | **95% Lower** | **95% CI Upper** |
| Intercept | 0.10 | 0.03 | 3.26 | 584 | 0.001 | 0.04 | 0.16 |
| Emotional abuse | 0.09 | 0.01 | 8.50 | 584 | <.001 | 0.07 | 0.11 |
| Emotional neglect | 0.04 | 0.01 | 3.14 | 584 | 0.002 | 0.02 | 0.07 |
| Poverty | 0.01 | 0.02 | 0.45 | 584 | 0.656 | -0.04 | 0.06 |
| Other deprivation indicators | -0.13 | 0.03 | -4.36 | 584 | <.001 | -0.18 | -0.07 |
| Multiple indicators of adversity | 0.08 | 0.03 | 3.11 | 584 | 0.002 | 0.03 | 0.13 |
| Timing of adversity in late adolescence | 0.02 | 0.03 | 0.58 | 584 | 0.560 | -0.04 | 0.07 |
| Self-report of adversity | 0.08 | 0.02 | 4.23 | 584 | <.001 | 0.04 | 0.12 |
| Records review of adversity | 0.00 | 0.03 | 0.13 | 584 | 0.900 | -0.06 | 0.06 |
| Depression | 0.03 | 0.01 | 3.06 | 584 | 0.002 | 0.01 | 0.05 |
| Self-report of psychopathology | 0.00 | 0.02 | -0.09 | 584 | 0.933 | -0.04 | 0.03 |
| Time since adversity | -0.04 | 0.03 | -1.43 | 584 | 0.152 | -0.08 | 0.01 |

## Table S4. Results of Individual Moderator Analyses for Externalizing Psychopathology

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Moderator** | **ES** | **Intercept [95% CI]** | **Estimate [95% CI]** | **Omnibus test** | ***p*-value** |
| *Study and Sample Characteristics* | | | | | |
| Study conducted in US, Canada, Australia, or UK | 386 | .179[.121, .236] | .028[-.042, .099] | F(1, 384)=0.620 | .432 |
| Publication year1 | 386 | .196[.162, .230] | .001[-.003, .005] | F(1, 384)=0.372 | .542 |
| Mean age1 | 386 | .197[.164, .230] | .008[-.001, .017] | F(1, 384)=2.865 | .091 |
| Percent male | 384 | .207[.125, .289] | -.000[-.002, .001] | F(1, 382)=0.050 | .822 |
| Percent racial/ethnic minority | 386 | .204[.143, .265] | -.000[-.001, .001] | F(1, 384)=0.059 | .808 |
| Percent low SES | 169 | .258[.146, .371] | -.001[-.003, .000] | F(1, 167)=1.858 | .175 |
| *Psychopathology Measurement* | | | | | |
| Outcome: Externalizing Spectrum | 386 | .176[.133, .219] | .035[-.010, .080] | F(1, 384)=2.343 | .127 |
| Outcome: Aggression | 386 | .195[.161, .229] | .025[-.019, .068] | F(1, 384)=1.270 | .260 |
| Outcome: Conduct | 386 | .195[.161, .229] | .035[-.029, .099] | F(1, 384)=1.163 | .281 |
| Outcome: ADHD | 386 | .200[.166, .233] | -.049[-.111, .013] | F(1, 384)=2.376 | .124 |
| Outcome: Delinquency | 386 | .201[.168, .235] | -.039[-.081, .003] | F(1, 384)=3.321 | .069 |
| Outcome: Substance Use | 386 | .199[.165, .233] | -.033[-.118, .052] | F(1, 384)=0.583 | .446 |
| Mean sample age: Middle childhood | 386 | .207[.171, .242] | -.046[-.108, .016] | F(1, 384)=2.157 | .143 |
| Mean sample age: Early adolescence | 386 | .196[.156, .235] | .006[-.051, .063] | F(1, 384)=0.037 | .847 |
| Mean sample age: Late adolescence | 386 | .183[.146, .221] | .038[-.011, .088] | F(1, 384)=2.296 | .131 |
| Self-reported | 386 | .186[.147, .224] | .023[-.019, .064] | F(1, 384)=1.161 | .282 |
| Caregiver-reported | 386 | .189[.148, .229] | .018[-.025, .061] | F(1, 384)=0.670 | .413 |
| Data type (beta coefficients) | 386 | .192[.157, .227] | .038[-.034, .109] | F(1, 384)=1.069 | .302 |
| Time since adversity (0 vs. >0) | 386 | .210[.176, .244] | -.060[-.116, -.005] | F(1, 384)=4.594 | .033 |
| *Adversity Measurement* | | | | | |
| Continuous variable | 386 | .149[.093, .204] | .056[.004, .107] | F(1, 384)=4.568 | .033 |
| Latent variable | 386 | .195[.161, .229] | .037[-.035, .110] | F(1, 384)=1.030 | .311 |
| **Multiple indicators** | **386** | **.185[.152, .219]** | **.105[.041, .169]** | **F(1, 384)=10.364** | **.001** |
| Timing of exposure: Infancy | 386 | .196[.162, .230] | .021[-.052, .094] | F(1, 384)=0.564 | .564 |
| Timing of exposure: Early childhood | 386 | .217[.179, .255] | -.064[-.127, -.001] | F(1, 384)=3.985 | .047 |
| Timing of exposure: Middle childhood | 386 | .210[.168, .251] | -.028[-.087. .030] | F(1, 384)=0.911 | .341 |
| Timing of exposure: Early adolescence | 386 | .140[.087, .193] | .085[.022, .148] | F(1, 384)=7.146 | .008 |
| Timing of exposure: Late adolescence | 386 | .169[.120, .219] | .045[-.014, .103] | F(1, 384)=2.251 | .134 |
| Lifetime assessment | 349 | .164[.215, .215] | .042[-.006, .090] | F(1, 347)=3.011 | .084 |
| **Self-report** | **386** | **.138[.099, .178]** | **.102[.060, .144]** | **F(1, 384)=22.906** | **<.001** |
| Caregiver-report | 386 | .192[.156, .227] | .026[-.027, .079] | F(1, 384)=.0.941 | .333 |
| Records review | 386 | .207[.174, .240] | -.092[-.160, -.023] | F(1, 384)=6.939 | .009 |
| *Threat Indicators* | | | | | |
| Physical abuse | 239 | .226[.183, .269] | .015[-.013, .043] | F(1, 237)=1.066 | .303 |
| Sexual abuse | 239 | .247[.203, .291] | -.036[-.069, -.003] | F(1, 237)=4.591 | .033 |
| **Emotional abuse** | **239** | **.212[.172, .252]** | **.057[.028, .087]** | **F(1, 237)=14.553** | **<.001** |
| Witnessing domestic violence | 239 | .230[.189, .271] | .019[-.028, .066] | F(1, 237)=0.644 | .423 |
| Community violence | 239 | .223[.182, .265] | .047[.000, .094] | F(1, 237)=3.918 | .049 |
| Peer victimization | 239 | .232[.192, .272] | .031[-.063, .125] | F(1, 237)=0.420 | .517 |
| *Deprivation Indicators* | | | | | |
| Physical neglect | 147 | .152[.116, .188] | -.005[-.043, .032] | F(1, 145)=0.075 | .785 |
| Emotional neglect | 147 | .134[.099, .169] | .062[.024, .100] | F(1, 145)=10.194 | .002 |
| Neglect unspecified/other | 147 | .163[.124, .202] | -.035[-.086, .017] | F(1, 145)=1.788 | .183 |
| Poverty | 147 | .166[.129, .203] | -.103[-.174, -.032] | F(1, 145)=8.187 | .005 |
| Food insecurity | 147 | .140[.106, .174] | .127[.027, .227] | F(1, 145)=6.276 | .013 |
| Low enrichment | 147 | .144[.109, .179] | .071[-.025, .167] | F(1, 145)=2.160 | .144 |
| Other | 147 | .154[.120, .189] | -.045[-.125, .034] | F(1, 145)=1.264 | .263 |

*Note*. 1Mean centered. Intercepts, estimates, and their confidence intervals are presented in Fishers z metric. A Bonferroni correction was applied to the alpha level, yielding a family-wise error rate of .001

## Table S5. Summary of Final Multilevel Meta-Analytic Model with Moderators for Externalizing Psychopathology Across 386 Effect Sizes

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Moderator** | **Estimate** | **SE** | ***t*** | **df** | ***p*-value** | **95% Lower** | **95% CI Upper** |
| Intercept | 0.11 | 0.02 | 5.79 | 382 | <.001 | 0.07 | 0.15 |
| Emotional abuse | 0.07 | 0.01 | 4.48 | 382 | <.001 | 0.04 | 0.09 |
| Multiple indicators of adversity | 0.09 | 0.03 | 2.92 | 382 | 0.00 | 0.03 | 0.15 |
| Self-report of adversity | 0.09 | 0.02 | 4.50 | 382 | <.001 | 0.05 | 0.13 |

## Table S6. Results of Individual Moderator Analyses for PTSD Symptoms

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Moderator** | **ES** | **Intercept [95% CI]** | **Estimate [95% CI]** | **Omnibus test** | ***p*-value** |
| *Study and Sample Characteristics* | | | | | |
| Study conducted in US, Canada, Australia, or UK | 121 | .188[.102, .273] | .090[-.034, .214] | F(1, 119)=2.084 | .151 |
| Publication year1 | 121 | .234[.170, .298] | -.008[-.022, .006] | F(1, 119)=1.374 | .243 |
| Mean age1 | 117 | .243[.177, .309] | -.012[-.030, .007] | F(1, 115)=1.518 | .220 |
| Percent male | 119 | .240[.102, .378] | -.000[-.003, .003] | F(1, 117)=0.000 | .986 |
| Percent racial/ethnic minority | 121 | .329[.190, .468] | -.001[-.003, .000] | F(1, 119)=2.554 | .113 |
| Percent low SES | 40 | .098[-.036, .231] | .001[-.001, .003] | F(1, 38)=0.486 | .490 |
| *Psychopathology Measurement* | | | | | |
| Mean sample age: Middle childhood | 119 | .239[.167, .312] | -.028[-.138, .082] | F(1, 117)=0.260 | .611 |
| Mean sample age: Early adolescence | 119 | .193[.113, .272] | .102[.016, .188] | F(1, 117)=5.469 | .021 |
| Mean sample age: Late adolescence | 119 | .266[.189, .334] | -.093[-.187, .002] | F(1, 117)=3.747 | .055 |
| *Adversity Measurement* | | | | | |
| Continuous variable | 121 | .092[-.016, .201] | .156[.055, .257] | F(1, 119)=9.352 | .003 |
| Timing of exposure: Middle childhood | 121 | .241[.162, .321] | -.021[-.110, .068] | F(1, 119)=0.647 | .647 |
| Timing of exposure: Early adolescence | 121 | .140[.051, .230] | .121[.039, .204] | F(1, 119)=8.485 | .004 |
| Timing of exposure: Late adolescence | 121 | .209[.085, .334] | .029[-.117, .175] | F(1, 119)=0.156 | .694 |
| Lifetime assessment | 107 | .185[.089, .281] | .063[-.022, .148] | F(1, 105)=2.319 | .147 |
| **Self-report** | **121** | **.121[.030, .212]** | **.135[.052, .218]** | **F(1, 119)=10.459** | **.002** |
| Caregiver-report | 121 | .253[.180, .326] | -.120[-.209, .032] | F(1, 119)=7.194 | .008 |
| *Threat Indicators* | | | | | |
| Physical abuse | 81 | .279[.205, .354] | -.017[-.068, .033] | F(1, 79)=0.472 | .494 |
| Sexual abuse | 81 | .269[.196, .341] | .006[-.050, .063] | F(1, 79)=0.051 | .822 |
| Emotional abuse | 81 | .247[.174, .319] | .065[.013, .117] | F(1, 79)=6.190 | .015 |
| Witnessing domestic violence | 81 | .270[.207, .353] | -.028[-.090, .034] | F(1, 79)=0.826 | .366 |
| Community violence | 81 | .280[.205, .354] | -.042[-.114, .030] | F(1, 79)=1.354 | .248 |
| *Deprivation Indicators* | | | | | |
| Physical neglect | 40 | .157[.089, .225] | .001[-.051, .053] | F(1, 38)=0.001 | .971 |
| Neglect unspecified | 40 | .149[.078, .221] | .028[-.080, .136] | F(1, 38)=0.602 | .602 |

*Note*. 1Mean centered. Intercepts, estimates, and their confidence intervals are presented in Fishers z metric. A Bonferroni correction was applied to the alpha level, yielding a family-wise error rate of .002.

## Table S7. Summary of Final Multilevel Meta-Analytic Model with Moderators for PTSD Symptoms Across 121 Effect Sizes

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Moderator** | **Estimate** | **SE** | ***t*** | **df** | ***p*-value** | **95% Lower** | **95% CI Upper** |
| Intercept | 0.12 | 0.05 | 2.62 | 119 | 0.010 | 0.03 | 0.21 |
| Self-report of adversity | 0.14 | 0.04 | 3.23 | 119 | 0.002 | 0.05 | 0.22 |

## Table S8. Results of Individual Moderator Analyses for Threat-Deprivation Correlation

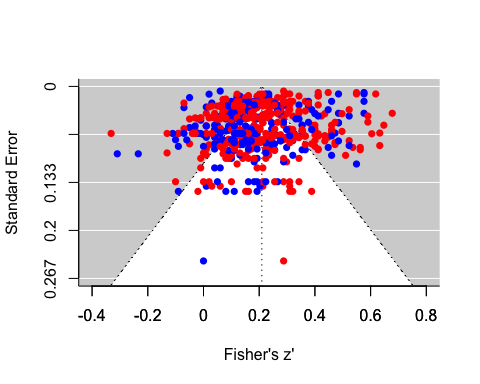
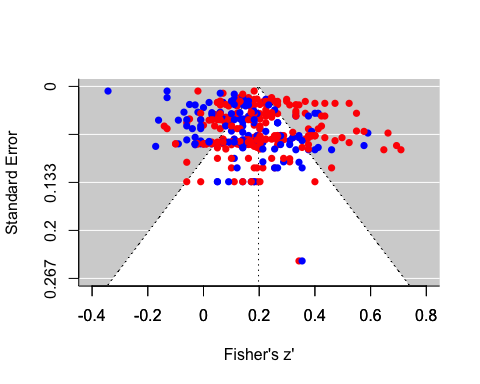
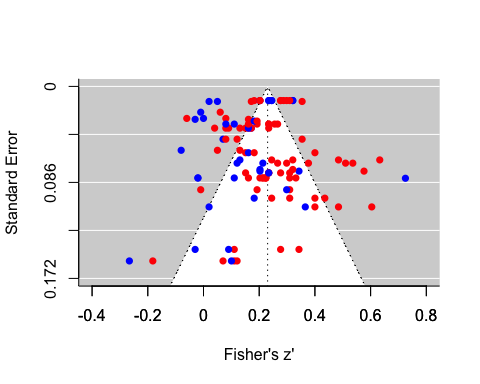
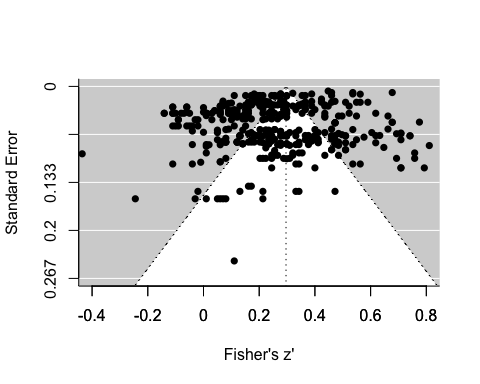
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Moderator** | **ES** | **Intercept [95% CI]** | **Estimate [95% CI]** | **Omnibus test** | ***p*-value** |
| *Study and Sample Characteristics* | | | | | |
| Study conducted in US, Canada, Australia, or UK | 401 | .297[.234, .359] | .001[-.084, .083] | F(1, 399)=0.000 | .989 |
| Publication year1 | 401 | .295[.254, .336] | .003[-.003, .009] | F(1, 399)=1.175 | .279 |
| Mean age1 | 392 | .299[.258, .340] | .012[-.001, .025] | F(1, 390)=3.491 | .062 |
| Percent male | 399 | .267[.171, .363] | .001[-.001, .002] | F(1, 397)=0.506 | .477 |
| Percent racial/ethnic minority | 399 | .334[.251, .417] | -.001[-.002, .001] | F(1, 399)=1.072 | .301 |
| Percent low SES | 155 | .304[.174, .434] | -.001[-.003, .001] | F(1, 153)=1.297 | .257 |
| *Threat Indicators* | | | | | |
| Physical abuse | 401 | .285[.241, .328] | .026[-.007, .059] | F(1, 399)=2.327 | .128 |
| **Sexual abuse** | **401** | **.325[.280, .369]** | **-.089[-.123, -.055]** | **F(1, 399)=26.373** | **<.001** |
| **Emotional abuse** | **401** | **.249[.207. .290]** | **.141[.110, .173]** | **F(1, 399)=79.123** | **<.001** |
| Witnessing domestic violence | 401 | .308[.265, .351] | -.055[-.107, -.003] | F(1, 399)=4.326 | .038 |
| **Community violence** | **401** | **.317[.274, .359]** | **-.093[-.145, -.041]** | **F(1, 399)=12.532** | **<.001** |
| Peer victimization | 401 | .300[.259, .342] | -.134[-.284, .015] | F(1, 399)=3.111 | .079 |
| *Deprivation Indicators* | | | | | |
| Physical neglect | 401 | .293[.250, .336] | .011[-.026, .048] | F(1, 399)=0.346 | .557 |
| Emotional neglect | 401 | .287[.245, .330] | .030[-.007, .067] | F(1, 399)=2.504 | .114 |
| Neglect- Other | 401 | .285[.241, .330] | .036[-.019, .090] | F(1, 399)=1.670 | .197 |
| **Poverty** | **401** | **.314[.273, .355]** | **-.134[-.205, -.063]** | **F(1, 399)=13.853** | **<.001** |
| Food insecurity | 401 | .291[.248, .333] | .074[-.068, .216] | F(1, 399)=1.052 | .306 |
| Low Enrichment | 401 | .289[.247, .332] | .091[-.047, .230] | F(1, 399)=1.681 | .196 |
| Other indicators | 401 | .298[.256, .341] | -.030[.-.167, .107] | F(1, 399)=0.188 | .665 |

*Note*. 1Mean centered. Intercepts, estimates, and their confidence intervals are presented in Fishers z metric. A Bonferroni correction was applied to the alpha level, yielding a family-wise error rate of .003.

## Table S9. Summary of Final Multilevel Meta-Analytic Model with Moderators for Threat and Deprivation Across 401 Effect Sizes

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Moderator** | **Estimate** | **SE** | ***t*** | **df** | ***p*-value** | **95% Lower** | **95% CI Upper** |
| Intercept | 0.30 | 0.02 | 12.92 | 396 | <.001 | 0.26 | 0.35 |
| Sexual abuse | -0.06 | 0.02 | -3.41 | 396 | <.001 | -0.09 | -0.02 |
| Emotional abuse | 0.12 | 0.02 | 7.51 | 396 | <.001 | 0.09 | 0.15 |
| Community violence | -0.05 | 0.03 | -2.05 | 396 | 0.041 | -0.10 | 0.00 |
| Poverty | -0.13 | 0.03 | -3.76 | 396 | <.001 | -0.19 | -0.06 |

## Figure S1. Funnel plots



BB

A

D

CB

*Note.* Funnel plots depict effects between adversity and internalizing psychopathology (A), adversity and externalizing psychopathology, (B), adversity and PTSD symptoms (C), and threat and deprivation (D). Blue dots represent effect sizes for deprivation, red dots for threat.

## Figure S2. Forest plot: Adversity and internalizing psychopathology



## Figure S3. Forest plot: Adversity and externalizing psychopathology



## Figure S4. Forest plot: Adversity and PTSD symptoms



## Figure S5. Forest plot: Threat and deprivation



## Figure S6. Forest plot: Threat and internalizing psychopathology with partial correlations



## Figure S7. Forest plot: Deprivation and internalizing psychopathology with partial correlations

## Figure S8. Forest plot: Threat and externalizing psychopathology with partial correlations



## Figure S9. Forest plot: Deprivation and externalizing psychopathology with partial correlations



## Figure S10. Forest plot: Threat and PTSD symptoms with partial correlations



## Figure S11. Forest plot: Deprivation and PTSD symptoms with partial correlations

## Results S1. Results of Final Multilevel Meta-Analytic Model with Moderators for Internalizing Psychopathology Across 596 Effect Sizes

# Final model with all significant moderators;  
ModsAll\_INT <- rma.mv(yi, vi, mods = ~ Emo\_ab+Emo\_neg+Poverty+Dep\_oth+  
+Adv\_mult+Adv\_age5+Adv\_self+Adv\_rec+Int\_dep+Int\_self+Adv\_Time01,  
random = list(~ 1 | ES\_ID, ~1 | SampID), tdist=TRUE, data=DMAPmeta\_final\_INT)

## Warning: 2 rows with NAs omitted from model fitting.

summary(ModsAll\_INT, digits=3)

##   
## Multivariate Meta-Analysis Model (k = 596; method: REML)  
##   
## logLik Deviance AIC BIC AICc   
## 440.022 -880.044 -852.044 -790.865 -851.306   
##   
## Variance Components:  
##   
## estim sqrt nlvls fixed factor   
## sigma^2.1 0.007 0.081 596 no ES\_ID   
## sigma^2.2 0.008 0.091 96 no SampID   
##   
## Test for Residual Heterogeneity:  
## QE(df = 584) = 11142.010, p-val < .001  
##   
## Test of Moderators (coefficients 2:12):  
## F(df1 = 11, df2 = 584) = 15.892, p-val < .001  
##   
## Model Results:  
##   
## estimate se tval df pval ci.lb ci.ub   
## intrcpt 0.098 0.030 3.259 584 0.001 0.039 0.157 \*\*   
## Emo\_ab 0.090 0.011 8.500 584 <.001 0.069 0.111 \*\*\*   
## Emo\_neg 0.044 0.014 3.141 584 0.002 0.016 0.071 \*\*   
## Poverty 0.011 0.024 0.445 584 0.656 -0.036 0.057   
## Dep\_oth -0.127 0.029 -4.358 584 <.001 -0.184 -0.070 \*\*\*   
## Adv\_mult 0.078 0.025 3.105 584 0.002 0.029 0.128 \*\*   
## Adv\_age5 0.016 0.028 0.583 584 0.560 -0.039 0.071   
## Adv\_self 0.083 0.020 4.229 584 <.001 0.044 0.122 \*\*\*   
## Adv\_rec 0.004 0.031 0.126 584 0.900 -0.057 0.064   
## Int\_dep 0.033 0.011 3.061 584 0.002 0.012 0.054 \*\*   
## Int\_self -0.002 0.018 -0.085 584 0.933 -0.037 0.034   
## Adv\_Time01 -0.036 0.025 -1.434 584 0.152 -0.084 0.013   
##   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

# Build a two-level model without within-study variance for the final model.  
modelnovar2 <- rma.mv(yi, vi, mods = ~ Emo\_ab+Emo\_neg+Poverty+Dep\_oth+  
+Adv\_mult+Adv\_age5+Adv\_self+Adv\_rec+Int\_dep+Int\_self+Adv\_Time01,  
random = list(~ 1 | ES\_ID, ~ 1 | SampID),sigma2=c(0,NA), tdist=TRUE,   
data=DMAPmeta\_final\_INT)

## Warning: 2 rows with NAs omitted from model fitting.

# Perform a likelihood-ratio-test to determine the  
# significance of the within-study variance.  
anova(ModsAll\_INT,modelnovar2)

##   
## df AIC BIC AICc logLik LRT pval QE   
## Full 14 -852.0439 -790.8652 -851.3057 440.0219 11142.0104   
## Reduced 13 2416.8898 2473.6985 2417.5284 -1195.4449 3270.9336 <.0001 11142.0104

# Build a two-level model without between-study variance for the final mod model;  
# Perform a likelihood-ratio-test to determine the  
# significance of the between-study variance.  
modelnovar3 <- rma.mv(yi, vi, mods = ~ Emo\_ab+Emo\_neg+Poverty+Dep\_oth+  
+Adv\_mult+Adv\_age5+Adv\_self+Adv\_rec+Int\_dep+Int\_self+Adv\_Time01,  
random = list(~ 1 | ES\_ID, ~ 1 | SampID),sigma2=c(0,NA), tdist=TRUE,   
data=DMAPmeta\_final\_INT)

## Warning: 2 rows with NAs omitted from model fitting.

anova(ModsAll\_INT,modelnovar3)

##   
## df AIC BIC AICc logLik LRT pval QE   
## Full 14 -852.0439 -790.8652 -851.3057 440.0219 11142.0104   
## Reduced 13 2416.8898 2473.6985 2417.5284 -1195.4449 3270.9336 <.0001 11142.0104

## Results S2. Results of Final Multilevel Meta-Analytic Model with Moderators for Externalizing Psychopathology Across 386 Effect Sizes

# Final model with all significant moderators;  
ModsAll\_EXT <- rma.mv(yi, vi, mods = ~ Emo\_ab+Adv\_mult+Adv\_self,  
random = list(~ 1 | ES\_ID, ~1 | SampID), tdist=TRUE, data=DMAPmeta\_final\_EXT)  
summary(ModsAll\_EXT, digits=3)

##   
## Multivariate Meta-Analysis Model (k = 386; method: REML)  
##   
## logLik Deviance AIC BIC AICc   
## 269.484 -538.969 -526.969 -503.296 -526.745   
##   
## Variance Components:  
##   
## estim sqrt nlvls fixed factor   
## sigma^2.1 0.007 0.085 386 no ES\_ID   
## sigma^2.2 0.012 0.107 67 no SampID   
##   
## Test for Residual Heterogeneity:  
## QE(df = 382) = 9050.661, p-val < .001  
##   
## Test of Moderators (coefficients 2:4):  
## F(df1 = 3, df2 = 382) = 18.151, p-val < .001  
##   
## Model Results:  
##   
## estimate se tval df pval ci.lb ci.ub   
## intrcpt 0.112 0.019 5.789 382 <.001 0.074 0.150 \*\*\*   
## Emo\_ab 0.065 0.014 4.477 382 <.001 0.036 0.093 \*\*\*   
## Adv\_mult 0.090 0.031 2.922 382 0.004 0.029 0.150 \*\*   
## Adv\_self 0.093 0.021 4.500 382 <.001 0.052 0.133 \*\*\*   
##   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

# Build a two-level model without within-study variance for the final mod model.  
modelnovar2 <- rma.mv(yi, vi, mods = ~ Emo\_ab+Adv\_mult+Adv\_self,  
random = list(~ 1 | ES\_ID, ~ 1 | SampID),sigma2=c(0,NA), tdist=TRUE,   
data=DMAPmeta\_final\_EXT)  
  
# Perform a likelihood-ratio-test to determine the  
# significance of the within-study variance.  
anova(ModsAll\_EXT,modelnovar2)

##   
## df AIC BIC AICc logLik LRT pval QE   
## Full 6 -526.9685 -503.2960 -526.7445 269.4843 9050.6607   
## Reduced 5 3873.2344 3892.9616 3873.3940 -1931.6172 4402.2030 <.0001 9050.6607

# Build a two-level model without between-study variance for the final mod model;  
# Perform a likelihood-ratio-test to determine the  
# significance of the between-study variance.  
modelnovar3 <- rma.mv(yi, vi, mods = ~ Emo\_ab+Adv\_mult+Adv\_self,  
random = list(~ 1 | ES\_ID, ~ 1 | SampID),sigma2=c(NA,0), tdist=TRUE,   
data=DMAPmeta\_final\_EXT)  
anova(ModsAll\_EXT,modelnovar3)

##   
## df AIC BIC AICc logLik LRT pval QE   
## Full 6 -526.9685 -503.2960 -526.7445 269.4843 9050.6607   
## Reduced 5 -397.3918 -377.6647 -397.2323 203.6959 131.5767 <.0001 9050.6607

## Results S3. Summary of Final Multilevel Meta-Analytic Model with Moderators for PTSD Symptoms Across 121 Effect Sizes

# Final model with significant moderators;  
ModsAll\_PTS <- rma.mv(yi, vi, mods = ~ Adv\_self,  
random = list(~ 1 | ES\_ID, ~1 | SampID), tdist=TRUE, data=DMAPmeta\_final\_PTS)  
summary(ModsAll\_PTS, digits=3)

##   
## Multivariate Meta-Analysis Model (k = 121; method: REML)  
##   
## logLik Deviance AIC BIC AICc   
## 68.064 -136.129 -128.129 -117.012 -127.778   
##   
## Variance Components:  
##   
## estim sqrt nlvls fixed factor   
## sigma^2.1 0.007 0.086 121 no ES\_ID   
## sigma^2.2 0.020 0.140 23 no SampID   
##   
## Test for Residual Heterogeneity:  
## QE(df = 119) = 1558.444, p-val < .001  
##   
## Test of Moderators (coefficient 2):  
## F(df1 = 1, df2 = 119) = 10.459, p-val = 0.002  
##   
## Model Results:  
##   
## estimate se tval df pval ci.lb ci.ub   
## intrcpt 0.121 0.046 2.622 119 0.010 0.030 0.212 \*\*   
## Adv\_self 0.135 0.042 3.234 119 0.002 0.052 0.218 \*\*   
##   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

# Build a two-level model without within-study variance for the final mod model.  
modelnovar2 <- rma.mv(yi, vi, mods = ~ Adv\_self,  
random = list(~ 1 | ES\_ID, ~ 1 | SampID),sigma2=c(0,NA), tdist=TRUE,   
data=DMAPmeta\_final\_PTS)  
  
# Perform a likelihood-ratio-test to determine the  
# significance of the within-study variance.  
anova(ModsAll\_PTS,modelnovar2)

##   
## df AIC BIC AICc logLik LRT pval QE   
## Full 4 -128.1287 -117.0122 -127.7779 68.0644 1558.4440   
## Reduced 3 403.5365 411.8739 403.7452 -198.7683 533.6653 <.0001 1558.4440

# Build a two-level model without between-study variance for the final mod model;  
# Perform a likelihood-ratio-test to determine the  
# significance of the between-study variance.  
modelnovar3 <- rma.mv(yi, vi, mods = ~ Adv\_self,  
random = list(~ 1 | ES\_ID, ~ 1 | SampID),sigma2=c(0,NA), tdist=TRUE,   
data=DMAPmeta\_final\_PTS)  
anova(ModsAll\_PTS,modelnovar3)

##   
## df AIC BIC AICc logLik LRT pval QE   
## Full 4 -128.1287 -117.0122 -127.7779 68.0644 1558.4440   
## Reduced 3 403.5365 411.8739 403.7452 -198.7683 533.6653 <.0001 1558.4440

## Results S4. Results of Final Multilevel Meta-Analytic Model with Moderators for Threat and Deprivation Across 401 Effect Sizes

# Final model with significant moderators;  
ModsAll\_TD <- rma.mv(yi, vi, mods = ~ Sex\_ab+Emo\_ab+Comm\_viol+Poverty,  
random = list(~ 1 | ES\_ID, ~1 | SampID), tdist=TRUE, data=DMAPmeta\_final\_TD)

## Warning: 95 rows with NAs omitted from model fitting.

summary(ModsAll\_TD, digits=3)

##   
## Multivariate Meta-Analysis Model (k = 401; method: REML)  
##   
## logLik Deviance AIC BIC AICc   
## 154.136 -308.273 -294.273 -266.403 -293.984   
##   
## Variance Components:  
##   
## estim sqrt nlvls fixed factor   
## sigma^2.1 0.013 0.114 401 no ES\_ID   
## sigma^2.2 0.033 0.182 98 no SampID   
##   
## Test for Residual Heterogeneity:  
## QE(df = 396) = 15928.804, p-val < .001  
##   
## Test of Moderators (coefficients 2:5):  
## F(df1 = 4, df2 = 396) = 29.576, p-val < .001  
##   
## Model Results:  
##   
## estimate se tval df pval ci.lb ci.ub   
## intrcpt 0.302 0.023 12.924 396 <.001 0.256 0.348 \*\*\*   
## Sex\_ab -0.057 0.017 -3.408 396 <.001 -0.090 -0.024 \*\*\*   
## Emo\_ab 0.121 0.016 7.505 396 <.001 0.089 0.153 \*\*\*   
## Comm\_viol -0.051 0.025 -2.054 396 0.041 -0.099 -0.002 \*   
## Poverty -0.126 0.034 -3.759 396 <.001 -0.192 -0.060 \*\*\*   
##   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

# Build a two-level model without within-study variance for the final model.  
modelnovar2 <- rma.mv(yi, vi, mods = ~ Sex\_ab+Emo\_ab+Comm\_viol+Poverty,  
random = list(~ 1 | ES\_ID, ~ 1 | SampID),sigma2=c(0,NA), tdist=TRUE,   
data=DMAPmeta\_final\_TD)

## Warning: 95 rows with NAs omitted from model fitting.

# Perform a likelihood-ratio-test to determine the  
# significance of the within-study variance.  
anova(ModsAll\_TD,modelnovar2)

##   
## df AIC BIC AICc logLik LRT pval QE   
## Full 7 -294.2728 -266.4029 -293.9842 154.1364 15928.8036   
## Reduced 6 3911.4572 3935.3457 3911.6732 -1949.7286 4207.7301 <.0001 15928.8036

# Build a two-level model without between-study variance for the final model;  
# Perform a likelihood-ratio-test to determine the  
# significance of the between-study variance.  
modelnovar3 <- rma.mv(yi, vi, mods = ~ Sex\_ab+Emo\_ab+Comm\_viol+Poverty,  
random = list(~ 1 | ES\_ID, ~ 1 | SampID),sigma2=c(0,NA), tdist=TRUE,   
data=DMAPmeta\_final\_TD)

## Warning: 95 rows with NAs omitted from model fitting.

anova(ModsAll\_TD,modelnovar3)

##   
## df AIC BIC AICc logLik LRT pval QE   
## Full 7 -294.2728 -266.4029 -293.9842 154.1364 15928.8036   
## Reduced 6 3911.4572 3935.3457 3911.6732 -1949.7286 4207.7301 <.0001 15928.8036