S1

*Frequency for each level of depression and anxiety*

|  |  |  |
| --- | --- | --- |
|   | DASS Depression | DASS Anxiety |
|   | N | % | N | % |
| Normal | 152 | 36.28 | 154 | 36.75 |
| Mild | 52 | 12.41 | 28 | 6.68 |
| Moderate | 111 | 26.49 | 83 | 19.81 |
| Severe | 51 | 12.17 | 45 | 10.74 |
| Extremely severe | 53 | 12.65 | 109 | 26.01 |

DASS Depression = Depression Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); DASS Anxiety = Anxiety Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995).

S2

*Frequency for each level of childhood adversity*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | CTQ-ea | CTQ-fa | CTQ-sa | CTQ-en | CTQ-fn |
|   | N | % | N | % | N | % | N | % | N | % |
| None (minimal) | 183 | 43.68 | 273 | 65.16 | 304 | 72.55 | 195 | 46.54 | 262 | 62.53 |
| Low | 107 | 25.54 | 61 | 14.56 | 47 | 11.22 | 114 | 27.21 | 75 | 17.90 |
| Moderate | 50 | 11.93 | 26 | 6.21 | 33 | 7.88 | 61 | 14.56 | 43 | 10.26 |
| Severe | 79 | 18.85 | 59 | 14.08 | 35 | 8.35 | 49 | 11.69 | 39 | 9.31 |
| Cronbach’s α | .85 | .85 | .90 | .89 | .86 |

CTQ-ea = Emotional Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-pa = Physical Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-sa = Sexual Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-en = Emotional Neglect Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-pn = Physical Neglect Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997)

S3

*Partial correlations (control variables: age, gender, education level, residency, and Covid-19 status)*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   |   | CTQ | BAS-rew | Grapes-rew | BAS-drive | IES-R | DASS-D | DASS-A |
| BAS-rew | Correlation | -.110 | 1 |  |  |  |  |  |
| Significance (2-tailed) | .026 |  |  |  |  |  |  |
| Grapes-rew | Correlation | -.100 | .246 | 1 |  |  |  |  |
| Significance (2-tailed) | .044 | .000 |  |  |  |  |  |
| BAS-drive | Correlation | .045 | .465 | .388 | 1 |  |  |  |
| Significance (2-tailed) | .366 | .000 | .000 |  |  |  |  |
| IES-R | Correlation | .087 | -.089 | -.120 | .016 | 1 |  |  |
| Significance (2-tailed) | .078 | .072 | .015 | .746 |  |  |  |
| DASS-D | Correlation | .194 | -.134 | -.170 | .009 | .711 | 1 |  |
| Significance (2-tailed) | .000 | .007 | .001 | .861 | .000 |  |  |
| DASS-A | Correlation | .180 | -.099 | -.182 | .003 | .681 | .885 | 1 |
| Significance (2-tailed) | .000 | .046 | .000 | .947 | .000 | .000 |  |
| Physical health | Correlation | -.130 | .161 | .136 | .054 | -.211 | -.267 | -.268 |
| Significance (2-tailed) | .009 | .001 | .006 | .275 | .000 | .000 | .000 |

CTQ = Childhood Trauma Questionnaire (Bernstein et al., 1997); BAS-rew = Reward Responsiveness Subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; Grapes-rew: Reward Expectancy subscale of The Generalized Reward and Punishment Expectancy Scales (Ball & Zuckerman, 1990); BAS-drive = Reward Drive subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; IES-R = The Impact of Event Scale-Revised adapted for COVID-19 (Weiss & Marmar, 1996); DASS-D = Depression Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); DASS-A = Anxiety Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995).

S4

*The mediating role of reward processing in the associations between childhood adversity (CA) and health whilst controlling for age, gender, education level, residency, and Covid-19 status*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **Paths** | ***b*** | ***SE*** | ***LLCI*** | ***ULCI*** | ***t*** | ***F*model\*** | ***R2\**** |
| Y = | DASS-A | a | -.022 | .009 | -.040 | -.004 | -2.356 | 1.079 | .016 |
| X =  | CTQ | c | .112 | .028 | .056 | .167 | 3.964 | 4.651 | .064 |
| M = | Grapes-rew | b | -.499 | .147 | -.789 | -.210 | -3.394 | 5.739 | .089 |
|  |  | c' | .101 | .028 | .046 | .156 | 3.596 |
|  |  | **IE** | **.011** | **.006** | **.001** | **.025** |  |  |  |
| Y = | DASS-A | a | -.021 | .008 | -.037 | -.006 | -2.706 | 3.799 | .053 |
| X =  | CTQ | c | .112 | .028 | .056 | .167 | 3.964 | 4.651 | .064 |
| M = | BAS-rew | b | -.353 | .177 | -.702 | -.004 | -1.988 | 4.580 | .073 |
|  |  | c' | .104 | .028 | .049 | .160 | 3.680 |
|  |  | **IE** | **.008** | **.001** | **-.001** | **.021** |  |  |  |
| Y = | DASS-D | a | -.021 | .009 | -.040 | -.004 | -2.356 | 1.079 | 0.016 |
| X =  | CTQ | c | .126 | .029 | .068 | .184 | 4.279 | 6.314 | .085 |
| M = | Grapes-rew | b | -.473 | .154 | -.775 | -.171 | -3.079 | 6.878 | .105 |
|  |  | c' | .115 | .029 | .058 | .173 | 3.938 |
|  |  | **IE** | **.010** | **.006** | **.001** | **.023** |  |  |  |
| Y = | DASS-D | a | -.021 | .008 | -.037 | -.006 | -2.706 | 3.799 | .05 |
| X =  | CTQ | c | .126 | .029 | .068 | .1784 | 4.279 | 6.314 | .085 |
| M = | BAS-rew | b | -.509 | .184 | -.871 | -.148 | -2.767 | 6.594 | .101 |
|  |  | c' | .115 | .029 | .057 | .173 | 3.909 |
|  |  | **IE** | **.011** | **.007** | **.001** | **.026** |  |  |  |
| Y = | Physical health | a | -.022 | .009 | -.040 | -.004 | -2.356 | 1.079 | 0.016 |
| X =  | CTQ | c | -.007 |  .002 | -.011 | -.003 | -3.156 | 3.605 | .050 |
| M = | Grapes-rew | b | .030 | .011 | .008 | .052 | 2.686 | 4.167 | .067 |
|  |  | c' | -.006 | .002 | -.010 | -.002 | -2.849 |
|  |  | **IE** |  **-.001** |  **.001** | **-.002** | **.001** |  |  |  |
| Y = | Physical health | a | -.021 | .008 | -.037 | -.006 | -2.706 | 3.799 | .053 |
| X =  | CTQ | c | -.007 |  .002 | -.011 | -.003 | -3.156 | 3.605 | .050 |
| M = | BAS-rew | b | .047 | .013 | .021 | .073 | 3.551 | 4.979 | .079 |
|  |  | c' | -.006 | .002 | -.010 | -.002 |  -2.702 |
|  |  | **IE** | **-.001** |  **.006** |  **-.002** | **-.001** |  |  |  |

Note:

\* The reported F and R2 values refer to models in which the five covariates (age, gender, education level, residency, and Covid-19) are also included

Paths: a = effect of X on M; b = effect of M on Y; c = total effect of X on Y; c' = direct effect of X on Y; IE = indirect effect

LLCI and ULCI define 95% Confidence Interval (CI)

DASS-D = Depression Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); DASS-A = Anxiety Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); BAS-rew = Reward Responsiveness Subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; CTQ = Childhood Trauma Questionnaire (Bernstein et al., 1997); Grapes-rew: Reward Expectancy subscale of The Generalized Reward and Punishment Expectancy Scales (GRAPES; Ball & Zuckerman, 1990)

S5

*Gender as a moderator for the predictive value of CA for health outcomes and reward processing*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Outcome** | **Model** | ***b*** | ***SE*** | ***t*** | ***LLCI*** | ***ULCI*** |
| DASS-A | Constant | 6.519 | 4.478 | 1.456 | -2.284 | 15.321 |
| Gender | 1.990 | 4.684 | .425 | -7.216 | 11.197 |
| CTQ | .074 | .010 | .738 | -.122 | .269 |
| CTQ\*Gender | .030 | .104 | .287 | -.174 | .234 |
| DASS-D | Constant | 5.405 | 4.688 | 1.153 | -3.810 | 4.621 |
| Gender | 4.359 | 4.903 | .889 | -5.280 | 13.998 |
| CTQ | .109 | .104 | 1.048 | -.096 | .314 |
| CTQ\*Gender | .004 | .109 | .0333 | -.210 | .217 |
| Physical health | Constant | 4.874 | .339 | 14.395 | 4.209 | 5.540 |
| Gender | -.279 | .354 | -.786 | -.975 | .418 |
| CTQ | -.013 | .007 | -1.678 | -.027 | .002 |
| CTQ\*Gender | .007 | .008 | .850 | -.009 | .022 |
| Grapes-rew | Constant | 9.238 | 1.467 | 6.299 | 6.355 | 12.121 |
| Gender | -1.130 | 1.534 | -.737 | -4.146 | 1.885 |
| CTQ | -.052 | .033 | -1.603 | -.116 | .012 |
| CTQ\*Gender | .033 | .034 | .958 | -.034 | .099 |
| BAS-rew | Constant | 17.613 | 1.233 | 14.284 | 15.189 | 20.037 |
| Gender | .397 | 1.290 | .308 | -2.138 | 2.932 |
| CTQ | -.042 | .027 | -1.533 | -.096 | .012 |
| CTQ\*Gender | .021 | .029 | .741 | -.035 | .077 |
| BAS-drive | Constant | 10.138 | 1.165 | 8.701 | 7.848 | 12.428 |
| Gender | 1.017 | 1.219 | .835 | -1.378 | 3.413 |
| CTQ | .009 | .026 | .364 | -.042 | .060 |
| CTQ\*Gender | -.009 | .027 | -.318 | -.062 | .044 |

Note: DASS-D = Depression Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); DASS-A = Anxiety Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); BAS-rew = Reward Responsiveness Subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; CTQ = Childhood Trauma Questionnaire (Bernstein et al., 1997); Grapes-rew: Reward Expectancy subscale of The Generalized Reward and Punishment Expectancy Scales (GRAPES; Ball & Zuckerman, 1990).

S6

*Correlations between specific CA types and study variables*

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   | CTQ-ea | CTQ-pa | CTQ-sa | CTQ-en | CTQ-pn | BAS-rew | Grapes-rew | BAS-drive | IES-R | DASS-D | DASS-A |
| CTQ-pa | .629\*\* | 1 |  |  |  |  |  |  |  |  |  |
| CTQ-sa | .405\*\* | .350\*\* | 1 |  |  |  |  |  |  |  |  |
| CTQ-en | .709\*\* | .475\*\* | .282\*\* | 1 |  |  |  |  |  |  |  |
| CTQ-pn | .580\*\* | .446\*\* | .355\*\* | .616\*\* | 1 |  |  |  |  |  |  |
| BAS-rew | -.101\* | -.062 | -.127\*\* | -.166\*\* | -.155\*\* | 1 |  |  |  |  |  |
| Grapes-rew | -.113\* | -.048 | -.008 | -.138\*\* | -.089 | .228\*\* | 1 |  |  |  |  |
| BAS-drive | .034 | .081 | -.045 | -.047 | -.061 | .501\*\* | .377\*\* | 1 |  |  |  |
| IES-R | .121\* | .003 | .104\* | .023 | .094 | -.053 | -.113\* | .019 | 1 |  |  |
| DASS-D | .247\*\* | .115\* | .131\*\* | .112\* | .135\*\* | -.129\*\* | -.155\*\* | -.003 | .723\*\* | 1 |  |
| DASS-A | .236\*\* | .125\* | .112\* | .116\* | .101\* | -.092 | -.170\*\* | .000 | .687\*\* | .888\*\* | 1 |
| Physical health | -.162\*\* | -.126\* | -.118\* | -.086 | -.105\* | .156\*\* | .147\*\* | .073 | -.247\*\* | -.292\*\* | -.296\*\* |

Note: \*\*p < 0.01 (2-tailed); \*p < 0.05 (2-tailed)

CTQ-ea = Emotional Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-pa = Physical Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-sa = Sexual Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-en = Emotional Neglect Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-pn = Physical Neglect Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); BAS-rew = Reward Responsiveness Subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; Grapes-rew: Reward Expectancy subscale of The Generalized Reward and Punishment Expectancy Scales (Ball & Zuckerman, 1990); BAS-drive = Reward Drive subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; IES-R = The Impact of Event Scale-Revised adapted for COVID-19 (Weiss & Marmar, 1996); DASS-D = Depression Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); DASS-A = Anxiety Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995).

S7

*Correlations between CA dimensions and study variables*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   | CTQ-deprivation1 | CTQ-threat2 | BAS-rew | Grapes-rew | BAS-drive | IES-R | DASS-D | DASS-A |
| CTQ-threat | .683\*\* | 1 |  |  |  |  |  |  |
| BAS-rew | -.179\*\* | -.118\* | 1 |  |  |  |  |  |
| Grapes-rew | -.132\*\* | -.078 | .228\*\* | 1 |  |  |  |  |
| BAS-drive | -.057 | .034 | .501\*\* | .377\*\* | 1 |  |  |  |
| IES-R | .055 | .097\* | -.053 | -.113\* | .019 | 1 |  |  |
| DASS-D | .133\*\* | .213\*\* | -.129\*\* | -.155\*\* | -.003 | .723\*\* | 1 |  |
| DASS-A | .122\* | .205\*\* | -.092 | -.170\*\* | .000 | .687\*\* | .888\*\* | 1 |
| Physical health | -.103\* | -.170\*\* | .156\*\* | .147\*\* | .073 | -.247\*\* | -.292\*\* | -.296\*\* |

Note: \*\**p* < 0.01 (2-tailed); \**p* < 0.05 (2-tailed)

CTQ = Childhood Trauma Questionnaire (Bernstein et al., 1997); BAS-rew = Reward Responsiveness Subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; Grapes-rew: Reward Expectancy subscale of The Generalized Reward and Punishment Expectancy Scales (Ball & Zuckerman, 1990); BAS-drive = Reward Drive subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; IES-R = The Impact of Event Scale-Revised adapted for COVID-19 (Weiss & Marmar, 1996); DASS-D = Depression Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); DASS-A = Anxiety Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995)

1Cronbach’s α = .87; 2Cronbach’s α = .90

S8

*The mediating role of reward processing in the associations between specific childhood adversity (CA) types and health*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **Paths** | ***b*** | ***SE*** | ***LLCI*** | ***ULCI*** | ***t*** | ***F*model** | ***R2*** |
| Y = | DASS-A | a | -.066 | .028 | -.122 | -.010 | -2.326 | 5.408 | .013 |
| X =  | CTQ-ea | c | .428 | .086 | .258 | .597 | 4.949 | 24.494 | .056 |
| M = | Grapes-rew | b | -.452 | .147 | -.742 | -.163 | -3.069 | 17.202 | .076 |
|  |  | c' | .340 | .086 | .229 | .567 | 4.620 |
|  |  | **IE** | **.030** | **.017** | **.002** | **.068** |  |  |  |
| Y = | DASS-A | a | -.090 | .030 | -.145 | -.026 | -2.841 | 8.068 | .019 |
| X =  | CTQ-en | c | .223 | .094 | .039 | .407 | 2.376 | 5.647 | .013 |
| M = | Grapes-rew | b | -.489 | .151 | -.786 | -.193 | -3.241 | 8.139 | .038 |
|  |  | c' | .181 | .094 | -.003 | .365 | 1.934 |
|  |  | **IE** | **.042** | **.021** | **.008** | **.090** |  |  |  |
| Y = | DASS-D | a | -.066 | .028 | -.122 | -.010 | -2.326 | 5.408 | .013 |
| X =  | CTQ-ea | c | .471 | .091 | .293 | .650 | 5.202 | 27.056 | .061 |
| M = | Grapes-rew | b | -.419 | .155 | -.724 | -.115 | -2.705 | 17.391 | .077 |
|  |  | c' | .444 | .091 | .266 | .622 | 4.901 |
|  |  | **IE** | **.028** | **.016** | **.002** | **.065** |  |  |  |
| Y = | DASS-D | a | -.086 | .030 | -.145 | -.026 | -2.841 | 8.068 | .019 |
| X =  | CTQ-en | c | .227 | .099 | .033 | .421 | 2.298 | 5.278 | .013 |
| M = | Grapes-rew | b | -.464 | .159 | -.777 | -.151 | -2.912 | 6.926 | .032 |
|  |  | c' | .187 | .099 | -.007 | .381 | 1.895 |
|  |  | **IE** | **.040** | **.021** | **.007** | **.087** |  |  |  |
| Y = | DASS-D | a | -.051 | .025 | -.100 | -.003 | -2.072 | 4.292 | .010 |
| X =  | CTQ-ea | c | .471 | .091 | .293 | .650 | 5.202 | 27.056 | .061 |
| M = | BAS-rew | b | -.393 | .178 | -.743 | -.043 | -2.209 | 16.094 | .072 |
|  |  | c' | .451 | .091 | .273 | .629 | 4.976 |
|  |  | **IE** | **.020** | **.016** | **-.002** | **.058** |  |  |  |
| Y = | DASS-D | a | -.096 | .037 | -.168 | -.024 | -2.621 | 6.870 | .016 |
| X =  | CTQ-sa | c | .370 | .137 | .100 | .639 | 2.698 | 7.277 | .017 |
| M = | BAS-rew | b | -.427 | .183 | -.786 | -.068 | -2.339 | 6.414 | .030 |
|  |  | c' | .329 | .137 | .059 | .599 | 2.392 |
|  |  | **IE** | **.041** | **.030** | **-.002** | **.111** |  |  |  |
| Y = | DASS-D | a | -.090 | .026 | -.141 | -.039 | -3.439 | 1.824 | .028 |
| X =  | CTQ-en | c | .227 | .099 | .033 | .421 | 2.298 | 5.278 | .013 |
| M = | BAS-rew | b | -.425 | .184 | -.787 | -.063 | -2.307 | 5.329 | .025 |
|  |  | c' | .189 | .010 | -.007 | .384 | 1.894 |
|  |  | **IE** | **.038** | **.024** | **.001** | **.092** |  |  |  |
| Y = | DASS-D | a | -.136 | .042 | -.219 | -.053 | -3.210 | 10.307 | .024 |
| X =  | CTQ-pn | c | .442 | .159 | .130 | .754 | 2.781 | 7.735 | .018 |
| M = | BAS-rew | b | -.414 | .183 | -.775 | -.054 | -2.259 | 6.458 | .030 |
|  |  | c' | .386 | .160 | .071 | .701 | 2.410 |
|  |  | **IE** | **.056** | **.040** | **.001** | **.153** |  |  |  |
| Y = | Physical health | a | -.066 | .028 | -.122 | -.010 | -2.326 | 5.408 | .013 |
| X =  | CTQ-ea | c | -.022 | .007 | -.035 | -.009 | -3.344 | 11.180 | .026 |
| M = | Grapes-rew | b | .031 | .011 | .008 | .053 | 2.702 | 9.324 | .043 |
|  |  | c' | -.020 | .007 | -.033 | -.007 | -3.041 |
|  |  | **IE** | **-.002** | **.001** | **-.005** | **-.001** |  |  |  |
| Y = | Physical health | a | -.051 | .025 | -.100 | -.003 | -2.072 | 4.292 | .010 |
| X =  | CTQ-ea | c | -.022 | .007 | -.035 | -.009 | -3.344 | 11.180 | .026 |
| M = | BAS-rew | b | .038 | .013 | .013 | .064 | 2.939 | 10.012 | .046 |
|  |  | c' | -.020 | .007 | -.033 | -.007 | -3.060 |
|  |  | **IE** | **-.002** | **.001** | **-.005** | **-.001** |  |  |  |
| Y = | Physical health | a | -.096 | .037 | -.168 | -.024 | -2.621 | 6.870 | .016 |
| X =  | CTQ-sa | c | -.024 | .010 | -.043 | -.005 | -2.431 | 5.912 | .014 |
| M = | BAS-rew | b | .039 | .013 | .013 | .064 | 2.957 | .034 | 7.382 |
|  |  | c' | -.020 | .010 | -.040 | -.001 | -2.058 |
|  |  | **IE** | **-.004** | **.002** | **-.009** | **-.001** |  |  |  |
| Y = | Physical health | a | -.136 | .042 | -.219 | -.053 | -3.210 | 10.307 | .024 |
| X =  | CTQ-pn | c | -.025 | .011 | -.047 | -.002 | -2.155 | 4.642 | .011 |
| M = | BAS-rew | b | .039 | .013 | .013 | .064 | 2.937 | 6.678 | .031 |
|  |  | c' | -.019 | .012 | -.042 | .003 | -1.692 |
|  |  | **IE** | **-.005** | **.003** | **-.012** | **-.001** |  |  |  |

Note. Paths: a = effect of X on M; b = effect of M on Y; c = total effect of X on Y; c' = direct effect of X on Y; IE = indirect effect

LLCI and ULCI define 95% Confidence Interval (CI)

DASS-D = Depression Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); DASS-A = Anxiety Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); BAS-rew = Reward Responsiveness Subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; CTQ-ea = Emotional Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-pa = Physical Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-sa = Sexual Abuse Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-en = Emotional Neglect Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); CTQ-pn = Physical Neglect Subscale of Childhood Trauma Questionnaire (Bernstein et al., 1997); Grapes-rew: Reward Expectancy subscale of The Generalized Reward and Punishment Expectancy Scales (GRAPES; Ball & Zuckerman, 1990)

S9

*The mediating role of reward processing in the associations between childhood adversity (CA) dimensions and health*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **Paths** | ***b*** | ***SE*** | ***LLCI*** | ***ULCI*** | ***t*** | ***F*model** | ***R2*** |
| Y = | DASS-A | a | -.056 | .021 | -.096 | -.015 | -2.716 | 7.378 | .017 |
| X =  | CTQ-deprivation | c | .160 | .064 | .034 | .286 | 2.502 | 6.262 | .015 |
| M = | Grapes-rew | b | -.488 | .151 | -.784 | -.192 | -3.238 | 8.445 | .039 |
|  |  | c' | .133 | .064 | .007 | .258 | 2.082 |
|  |  | **IE** | **.027** | **.014** | **.005** | **.059** |  |  |  |
| Y = | DASS-D | a | -.056 | .021 | -.096 | -.015 | -2.716 | 7.378 | .017 |
| X =  | CTQ-deprivation | c | .185 | .067 | .053 | .317 | 2.748 | 7.551 | .018 |
| M = | Grapes-rew | b | -.456 | .159 | -.768 | -.144 | -2.871 | 7.962 | .037 |
|  |  | c' | .159 | .067 | .027 | .291 |  |
|  |  | **IE** | **.025** | **.014** | **.004** | **.057** |  |  |  |
| Y = | DASS-D | a | -.066 | .018 | -.101 | -.031 | -3.715 | 3.804 | .032 |
| X =  | CTQ-deprivation | c | .185 | .067 | .053 | .317 | 2.748 | 7.551 | .018 |
| M = | BAS-rew | b | -.406 | .184 | -.768 | -.044 | -2.206 | 6.244 | .029 |
|  |  | c' | .158 | .068 | .024 | .292 | 2.321 |
|  |  | **IE** | **.027** | **.017** | **-.001** | **.066** |  |  |  |
| Y = | Physical health | a | -.056 | .021 | -.096 | -.015 | -2.716 | 7.378 | .017 |
| X =  | CTQ-deprivation | c | -.010 | .005 | -.020 | -.001 | -2.118 | 4.487 | .011 |
| M = | Grapes-rew | b | .032 | .011 | .009 | .054 | 2.786 | 6.161 | .029 |
|  |  | c' | -.009 | .005 | -.018 | .001 | -1.749 |
|  |  | **IE** | **-.002** | **.001** | **-.004** | **-.001** |  |  |  |
| Y = | Physical health | a | -.066 | .018 | -.101 | -.031 | -3.715 | 13.804 | .032 |
| X =  | CTQ-deprivation | c | -.010 | .005 | -.020 | -.001 | -2.118 | 4.487 | .011 |
| M = | BAS-rew | b | .038 | .013 | .012 | .064 | 2.903 | 6.496 | .030 |
|  |  | c' | -.001 | .005 | -.017 | .002 | -1.583 |
|  |  | **IE** | **-.003** | **.001** | **-.006** | **-.001** |  |  |  |
| Y = | DASS-D | a | -.030 | .012 | -.054 | -.006 | -2.426 | 5.884 | .014 |
| X =  | CTQ-threat | c | .203 | .046 | .113 | .293 | 4.454 | 9.840 | .045 |
| M = | BAS-rew | b | -.394 | .180 | -.748 | -.040 | -2.190 | 12.409 | .056 |
|  |  | c' | .191 | .046 | .101 | .281 | 4.185 |
|  |  | **IE** | **.012** | **.009** | **-.001** | **.034** |  |  |  |
| Y = | Physical health | a | -.030 | -.030 | -.054 | -.006 | -2.426 | 5.884 | .014 |
| X =  | CTQ-threat | c | -.012 | .003 | -.018 | -.005 | -3.531 | 12.466 | .029 |
| M = | BAS-rew | b | .037 | .013 | .012 | .063 | 2.868 | 10.454 | .048 |
|  |  | c' | -.011 | .003 | -.017 | -.004 | -3.198 |
|  |  | **IE** | **-.001** | **.001** | **-.003** | **.001** |  |  |  |

Note. Paths: a = effect of X on M; b = effect of M on Y; c = total effect of X on Y; c' = direct effect of X on Y; IE = indirect effect

LLCI and ULCI define 95% Confidence Interval (CI)

DASS-D = Depression Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); DASS-A = Anxiety Subscale of Depression Anxiety Stress Scales-21 (Lovibond & Lovibond, 1995); BAS-rew = Reward Responsiveness Subscale of The Behavioural Inhibition System and Behavioural Activation System Scales; CTQ = Childhood Trauma Questionnaire (Bernstein et al., 1997); Grapes-rew: Reward Expectancy subscale of The Generalized Reward and Punishment Expectancy Scales (GRAPES; Ball & Zuckerman, 1990)