**Supplementary material**

Supplementary Table 1

*Cronbach’s alpha values for each rating scale by facial expression*

|  |  |
| --- | --- |
| Rating scale | Facial expression |
|  | Angry | Happy | Neutral |
| I would approach this person | .88 | .92 | .87 |
| I would avoid this person | .87 | .89 | .87 |
| I perceive this person as being angry | .83 | .88 | .86 |
| I perceive this person as being happy | .89 | .89 | .84 |

*Note.* All alpha values are based on 8 items.

Supplementary Table 2

*Regression model incorporating effect of the interaction between early life stress, mental illness and gender on approach-avoidance of angry facial expressions*

|  |  |  |
| --- | --- | --- |
|  | Predictor |  |
|  | Gender | Age | Anxiety | Depression | MI | ELS | ELS\*MI† | ELS\*MI†\*gender | *R2* |
| Step 1 |  |  |  |  |  |  |  |  |  |
| *B* | -13.88 | 0.64 | 0.25 | 0.20 | -3.93 |  |  |  |  |
| SE *B* | 3.29 | 0.19 | 0.54 | 0.56 | 4.54 |  |  |  |  |
| 95% CI | [-20.38, -7.23] | [0.20, 1.03] | [-0.75, 1.40] | [-0.95, 1.35] | [-13.10, 4.53] |  |  |  |  |
| *ß* | -0.22\*\* | 0.18\*\* | 0.04 | 0.02 | -0.06 |  |  |  | .08\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
| Step 2 |  |  |  |  |  |  |  |  |  |
| *B* | -14.04 | 0.63 | 0.14 | 0.03 | -4.52 | 2.22 |  |  |  |
| SE *B* | 3.27 | 0.20 | 0.56 | 0.58 | 4.57 | 1.82 |  |  |  |
| 95% CI | [-20.64, -7.27] | [0.20, 1.02] | [-0.90, 1.27] | [-1.04, 1.13] | [-13.83, 4.64] | [-1.30, 6.09] |  |  |  |
| *ß* | -0.22\*\* | 0.18\*\* | 0.02 | 0.00 | -0.07 | 0.07 |  |  | .08\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
| Step 3 |  |  |  |  |  |  |  |  |  |
| *B* | -13.83 | 0.61 | 0.21 | 0.04 | -8.23 | 10.26 | -9.93 |  |  |
| SE *B* | 3.26 | 0.20 | 0.56 | 0.58 | 4.96 | 4.54 | 4.79 |  |  |
| 95% CI | [-20.10, -7.34] | [0.19, 1.01] | [-0.87, 1.34] | [-1.05, 1.14] | [-17.82, 1.28] | [0.70, 19.72] | [-19.40, -0.58] |  |  |
| *ß* | -0.22\*\* | 0.18\*\* | 0.03 | 0.00 | -0.13 | 0.33\* | -0.27\* |  | .09\*\*\* |
|  |  |  |  |  |  |  |  |  |  |
| Step 4 |  |  |  |  |  |  |  |  |  |
| *B* | -13.93 | 0.61 | 0.21 | 0.05 | -8.20 | 10.25 | -10.38 | 0.58 |  |
| SE *B* | 3.39 | 0.20 | 0.56 | 0.57 | 4.99 | 4.54 | 5.83 | 4.17 |  |
| 95% CI | [-20.55, -7.32] | [0.19, 1.01] | [-0.87, 1.33] | [-1.02, 1.16] | [-17.66, 1.50] | [0.68, 19.83] | [-22.01, 0.24] | [-8.02, 9.89] |  |
| *ß* | -0.22\*\* | 0.18\*\* | 0.03 | 0.01 | -0.13 | 0.33\* | -0.28 | 0.01 | .09\*\*\* |

*Note.* Positive scores indicate increased approach, negative scores indicate increased avoidance. *n* = 393. Gender refers to participant’s gender and is coded as 0 = male, 1 = female. ELS = early life stress, measured using the Child Abuse and Trauma Scale (Sanders & Becker-Lausen, 1995). Note that scores on this variable were standardised prior to inclusion in the model. Anxiety and depression measured using the Hospital Anxiety and Depression Scale (HADS; Zigmond & Snaith, 1983). \* = *p* < .05, \*\* = *p* < .01, \*\*\* = *p* < .001, †MI = Mental illness, measured as self-reported diagnosis and/or a score above the clinical cut-off for one or both of the HADS scales, coded as mental illness = 1, no mental illness = 0.