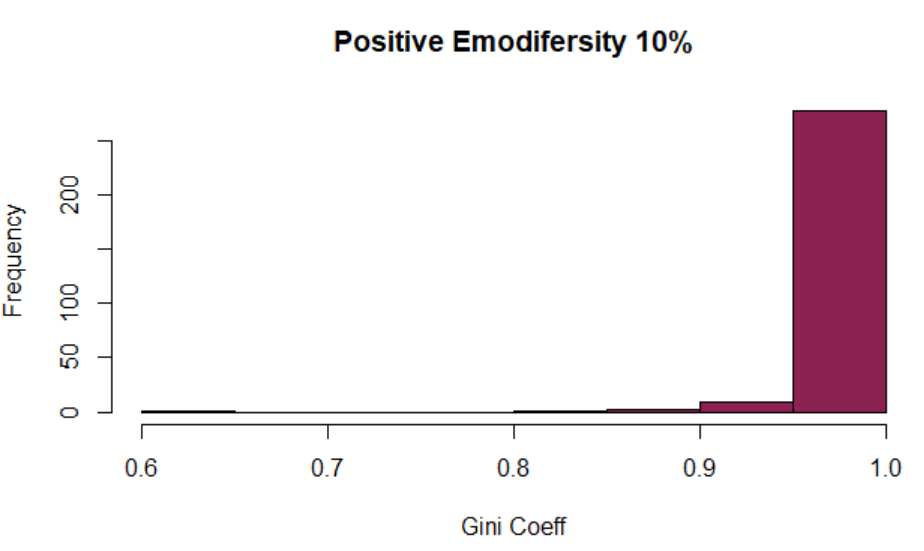
**Supplementary materials**

**Figure S1**

*Figure shows distribution of emodiversity scores of Positive emotions.*



*Note.* High PA Emodiversity in our sample (10%) indicates that almost everyone reported to experience all six positive emotions over the study period (with scores >10 on scale 0-100). For NA the Gini scores were more nuanced, as some people only reported specific NA emotions and some emotion(s) was/were rarely reported (**≥**10 on scale 0-100).

**Table S1**

*Model selection*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Path nº** | **Maltreatment type** | **Path direction** | **Emotion dynamic** | ***p* (path)** | **Step/*df*** | **Model test Δχ2** | ***p*dif** | **Result** | **ß** |
| 33 | EA | → | Inertia NAA | .975 | 1 | 0.00099381 | .975 | x |  |
| 86 | EN | → | Inertia PAD | .963 | 2 | 0.0021553 | .963 | x |  |
| 60 | PN | → | Variability PAD | .955 | 3 | 0.0032301 | .955 | x |  |
| 35 | EA | → | Emodiversity PA | .934 | 4 | 0.0067829 | .934 | x |  |
| 45 | SA | → | Instability PAA | .915 | 5 | 0.011458 | .915 | x |  |
| 11 | PA | → | Instability NAA | .900 | 6 | 0.015588 | .901 | x |  |
| 31 | EA | → | Inertia PAA | .827 | 7 | 0.047667 | .827 | x |  |
| 34 | EA | → | Inertia NAD | .839 | 8 | 0.041287 | .839 | x |  |
| 16 | PA | → | Inertia NAD | .880 | 9 | 0.023120 | .879 | x |  |
| 72 | PN | → | Emodiversity NA | .795 | 10 | 0.068961 | .793 | x |  |
| 58 | PN | → | Mean NAD | .870 | 11 | 0.02741 | .869 | x |  |
| 8 | PA | → | Variability NAD | .753 | 12 | 0.10218 | .749 | x |  |
| 6 | PA | → | Variability PAD | .807 | 13 | 0.05871 | .809 | x |  |
| 83 | EN | → | Instability NAA | .705 | 14 | 0.14298 | .705 | x |  |
| 80 | EN | → | Variability NAD | .798 | 15 | 0.06572 | .798 | x |  |
| 39 | SA | → | Mean NAA | .700 | 16 | 0.15039 | .698 | x |  |
| 54 | SA | → | Emodiversity NA | .922 | 17 | 0.00966 | .922 | x |  |
| 20 | EA | → | Mean PAD | .690 | 18 | 0.15767 | .691 | x |  |
| 19 | EA | → | Mean PAA | .786 | 19 | 0.07367 | .786 | x |  |
| 51 | SA | → | Inertia NAA | .642 | 20 | 0.20612 | .650 | x |  |
| 49 | SA | → | Inertia PAA | .677 | 21 | 0.16882 | .681 | x |  |
| 42 | SA | → | Variability PAD | .703 | 22 | 0.15324 | .696 | x |  |
| 41 | SA | → | Variability PAA | .801 | 23 | 0.06189 | .804 | x |  |
| 57 | PN | → | Mean NAA | .642 | 24 | 0.21505 | .642 | x |  |
| 9 | PA | → | Instability PAA | .588 | 25 | 0.28975 | .590 | x |  |
| 12 | PA | → | Instability NAD | .636 | 26 | 0.20940 | .647 | x |  |
| 17 | PA | → | Emodiversity PA | .597 | 27 | 0.27391 | .601 | x |  |
| 63 | PN | → | Instability PAA | .565 | 28 | 0.32169 | .571 | x |  |
| 84 | EN | → | Instability NAD | .590 | 29 | 0.28874 | .591 | x |  |
| 88 | EN | → | Inertia NAD | .772 | 30 | 0.08363 | .772 | x |  |
| 55 | PN | → | Mean PAA | .472 | 31 | 0.54675 | .460 | x |  |
| 38 | SA | → | Mean PAD | .373 | 32 | 0.79276 | .373 | x |  |
| 37 | SA | → | Mean PAA | .700 | 33 | 0.14087 | .707 | x |  |
| 5 | PA | → | Variability PAA | .383 | 34 | 0.65007 | .420 | x |  |
| 69 | PN | → | Inertia NAA | .352 | 35 | 0.82383 | .364 | x |  |
| 68 | PN | → | Inertia PAD | .389 | 36 | 0.71203 | .399 | x |  |
| 64 | PN | → | Instability PAD | .385 | 37 | 0.72724 | .394 | x |  |
| 52 | SA | → | Inertia NAD | .332 | 38 | 0.82372 | .364 | x |  |
| 40 | SA | → | Mean NAD | .314 | 39 | 0.98897 | .32 | x |  |
| 1 | PA | → | Mean PAA | .267 | 40 | 1.09910 | .295 | x |  |
| 2 | PA | → | Mean PAD | .428 | 41 | 0.64175 | .423 | x |  |
| 7 | PA | → | Variability NAA | .293 | 42 | 0.98740 | .320 | x |  |
| 4 | PA | → | Mean NAD | .339 | 43 | 0.84963 | .357 | x |  |
| 32 | EA | → | Inertia PAD | .336 | 44 | 1.13570 | .287 | x |  |
| 10 | PA | → | Instability PAD | .406 | 45 | 0.71097 | .399 | x |  |
| 14 | PA | → | Inertia PAD | .689 | 46 | 0.14851 | .700 | x |  |
| 18 | PA | → | Emodiversity NA | .291 | 47 | 0.98962 | .320 | x |  |
| 71 | PN | → | Emodiversity PA | .256 | 48 | 1.22450 | .269 | x |  |
| 53 | SA | → | Emodiversity PA | .265 | 49 | 1.17670 | .278 | x |  |
| 3 | PA | → | Mean NAA | .246 | 50 | 1.09940 | .294 | x |  |
| 85 | EN | → | Inertia PAA | .155 | 51 | 1.98840 | .159 | x |  |
| 59 | PN | → | Variability PAA | .240 | 52 | 1.35100 | .245 | x |  |
| 70 | PN | → | Inertia NAD | .267 | 53 | 1.18080 | .277 | x |  |
| 27 | EA | → | Instability PAA | .209 | 54 | 1.60040 | .206 | x |  |
| 26 | EA | → | Variability NAD | .174 | 55 | 1.84260 | .175 | x |  |
| 30 | EA | → | Instability NAD | .552 | 56 | 0.34292 | .558 | x |  |
| 25 | EA | → | Variability NAA | .246 | 57 | 1.28890 | .256 | x |  |
| 28 | EA | → | Instability PAD | .217 | 58 | 0.85558 | .355 | x |  |
| 24 | EA | → | Variability PAD | .440 | 59 | 0.58538 | .444 | x |  |
| 29 | EA | → | Instability NAA | .283 | 60 | 1.13370 | .287 | x |  |
| 23 | EA | → | Variability PAA | .324 | 61 | 0.94320 | .332 | x |  |
| 36 | EA | → | Emodiversity NA | .120 | 62 | 2.29090 | .130 | x |  |
| 21 | EA | → | Mean NAA | .141 | 63 | 2.05350 | .152 | x |  |
| 22 | EA | → | Mean NAD | .371 | 64 | 0.74571 | .388 | x |  |
| 15 | PA | → | Inertia NAA | .071 | 65 | 4.03440 | .045 |  | -.05 |
| 13 | PA | → | Inertia PAA | 03 |  |  |  |  | .05 |
| 43 | SA | → | Variability NAA | .01 |  |  |  |  | .14 |
| 44 | SA | → | Variability NAD | < .000 |  |  |  |  | .15 |
| 46 | SA | → | Instability PAD | .03 |  |  |  |  | .05 |
| 47 | SA | → | Instability NAA | .01 |  |  |  |  | .13 |
| 48 | SA | → | Instability NAD | .001 |  |  |  |  | .14 |
| 50 | SA | → | Inertia PAD | .02 |  |  |  |  | -.10 |
| 56 | PN | → | Mean PAD | .009 |  |  |  |  | .08 |
| 61 | PN | → | Variability NAA | .004 |  |  |  |  | -.15 |
| 62 | PN | → | Variability NAD | .001 |  |  |  |  | -.15 |
| 65 | PN | → | Instability NAA | .01 |  |  |  |  | -.12 |
| 66 | PN | → | Instability NAD | .001 |  |  |  |  | -.15 |
| 67 | PN | → | Inertia PAA | .045 |  |  |  |  | -.06 |
| 73 | EN | → | Mean PAA | < .000 |  |  |  |  | -.22 |
| 74 | EN | → | Mean PAD | < .000 |  |  |  |  | -.31 |
| 75 | EN | → | Mean NAA | < .000 |  |  |  |  | .22 |
| 76 | EN | → | Mean NAD | < .000 |  |  |  |  | .27 |
| 77 | EN | → | Variability PAA | .008 |  |  |  |  | -.13 |
| 78 | EN | → | Variability PAD | .01 |  |  |  |  | -.12 |
| 79 | EN | → | Variability NAA | < .000 |  |  |  |  | .09 |
| 81 | EN | → | Instability PAA | .007 |  |  |  |  | -.13 |
| 82 | EN | → | Instability PAD | .003 |  |  |  |  | -.13 |
| 87 | EN | → | Inertia NAA | .001 |  |  |  |  | .16 |
| 89 | EN | → | Emodiversity PA | .05 |  |  |  |  | -.18 |
| 90 | EN | → | Emodiversity NA | .002 |  |  |  |  | .18 |

*Note.*  EA - Emotional Abuse, EN – Emotional Neglect, PA – Physical Abuse, PN – Physical Neglect, SA – Sexual Abuse. PAA - Positive Affect Activation, PAD - Positive Affect Deactivation, NAA - Negative Affect Activation, NAD - Negative Affect. Deactivation. Δχ2 Satorra-Bentler corrected chi square difference test between two nested models. *p*dif is the *p*-value of the difference between two models. *Step* is the step number in the model taken to close insignificant paths; in this case equals to the model *df* (degrees of freedom) since only one path was closed in each step.

**Table S2**

*Final SEM model with imputed missing values fitted to the final model*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Emotional Neglect | | Physical  Neglect | | Sexual  Abuse | | Physical  Abuse | |
|  | *β* | *(SE)* | *β* | *(SE)* | *β* | *(SE)* | *β* | *(SE)* |
|  |  |  |  |  |  |  |  |  |
| Intensity |  |  |  |  |  |  |  |  |
| PAA | -.23\*\*\* | (.06) |  |  |  |  |  |  |
| PAD | -.31\*\*\* | (.06) | .08\* | (.03) |  |  |  |  |
| NAA | .21\*\*\* | (.05) |  |  |  |  |  |  |
| NAD | .27\*\*\* | (.06) |  |  |  |  |  |  |
| Variability |  |  |  |  |  |  |  |  |
| PAA | -.13\* | (.05) |  |  |  |  |  |  |
| PAD | -.12\* | (.05) |  |  |  |  |  |  |
| NAA | **.09\*\*\*** | (.02) | -.14\*\* | (.05) | .14\* | (.06) |  |  |
| NAD |  |  | -.15\*\* | (.05) | .15\*\*\* | (.04) |  |  |
| Instability |  |  |  |  |  |  |  |  |
| PAA | -.13\*\* | (.05) |  |  |  |  |  |  |
| PAD | -.12\*\* | (.04) |  |  | .05\* | (.02) |  |  |
| NAA |  |  | -.12\* | (.05) | .12\* | (.06) |  |  |
| NAD |  |  | -.15\*\* | (.05) | .**14\***\*\* | (.04) |  |  |
| Inertia |  |  |  |  |  |  |  |  |
| PAA |  |  | -.08\*\* | (.04) |  |  | **.03** | (.03) |
| PAD |  |  |  |  | -.09\* | (.04) |  |  |
| NAA | .14\*\* | (.04) |  |  |  |  | **-.03** | (.03) |
| Emodiversity |  |  |  |  |  |  |  |  |
| Positive affect | -.18\*\* | (.05) |  |  |  |  |  |  |
| Negative affect | .18\*\* | (.06) |  |  |  |  |  |  |

*Note.* In bold values that significantly changed (i.e., reached the cut-off of p <.001 or p >.05) in comparison with the original model where missing values were omitted. EA - Emotional Abuse, EN – Emotional Neglect, PA – Physical Abuse, PN – Physical Neglect, SA – Sexual Abuse. PAA - Positive Affect Activation, PAD - Positive Affect Deactivation, NAA - Negative Affect Activation, NAD - Negative Affect

S3

Z test differences between regression coefficients of emotional neglect on mean level (intensity) a) PAA and PAD; b) NAA and NAD

1. z = 1.820, *p* = .069
2. z = -1.338, *p* = .181