**Table S1**

*Results of measurement invariance of DIDS and ITQ scales across Lithuania and Japan*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Model fit indices |  | Model comparisons |
|  | χ2(df) | CFI | RMSEA [90% CI] |  | ΔCFI | ΔRMSEA |
| Identity processes (DIDS) |  |  |  |  |  |  |
| Configural | 470.308 (88) | 0.954 | 0.064 [.058, .0070] |  | - | - |
| Metric | 488.419 (95) | 0.954 | 0.062 [.057, .068] |  | 0 | 0.002 |
| Scalar | 735.834 (102) | 0.924 | 0.076 [.071, .0082] |  | 0.030 | -0.017 |
| Symptoms of PTSD and CPTSD (ITQ) |  |  |  |  |  |  |
| Configural | 68.230 (16) | 0.980 | 0.066 [.049, .078] |  | - | - |
| Metric | 80.949 (20) | 0.977 | 0.064 [.050, .082] |  | 0.003 | 0.002 |
| Scalar | 137.452 (24) | 0.956 | 0.079 [.067, .092] |  | 0.021 | -0.015 |

Note. χ2 = chi-square, df = degrees of freedom, CFI = comparative fit index, RMSEA = root mean square error of approximation, CI = confidence interval, Δ = change in the parameter, DIDS = the Dimensions of Identity Development Scale, ITQ = the International Trauma Questionnaire.

**Table S2**

*Prevalence of lifetime traumatic experiences in Lithuania and Japan (N = 2136)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Total | Lithuania(*n* = 791) | Japan(*n* = 1345) | Significance statistics |
|  | *n* (%) | *n* (%) | *n* (%) | χ2(1) | *p*\* | *a.s.r.* |
| 1 Natural disaster  | 563(26.4) | 20(2.5) | 543(40.4) | 367.49 | <.001 | 19.2 |
| 2 Fire or explosion | 203(9.5) | 77(9.7) | 126(9.4) | 0.08 | .780 | -0.3 |
| 3 Transportation accident | 461(21.6) | 215(27.2) | 246(18.3) | 23.26 | <.001 | -4.8 |
| 4 Serious other accident  | 194(9.1) | 134(16.9) | 60(4.5) | 93.940 | <.001 | -9.7 |
| 5 Exposure to toxic substance  | 67(3.1) | 35(4.4) | 32(2.4) | 6.860 | .009 | -2.6 |
| 6 Childhood physical abuse | 259(12.1) | 149(18.8) | 110(8.2) | 53.104 | <.001 | -7.3 |
| 7 Physical assault | 287(13.4) | 186(23.5) | 101(7.5) | 109.700 | <.001 | -10.5 |
| 8 Assault with a weapon | 53(2.5) | 32(4.0) | 21(1.6) | 12.703 | <.001 | -3.6 |
| 9 Childhood sexual abuse | 50(2.3) | 24(3.0) | 26(1.9) | 2.641 | .104 | -1.6 |
| 10 Sexual assault | 60(2.8) | 29(3.7) | 31(2.3) | 3.381 | .066 | -1.8 |
| 11 Other unwanted or uncomfortable sexual experience | 256(12.0) | 139(17.6) | 117(8.7) | 37.181 | <.001 | -6.1 |
| 12 Combat or exposure to a war-zone | 27(1.3) | 4(0.5) | 23(1.7) | 5.788 | .016 | 2.4 |
| 13 Captivity | 22(1.0) | 4(0.5) | 18(1.3) | 3.387 | .066 | 1.8 |
| 14 Life-threatening illness or injury | 200(9.4) | 130(16.4) | 70(5.2) | 74.021 | <.001 | -8.6 |
| 15 Severe human suffering | 449(21.0) | 188(23.8) | 261(19.4) | 5709 | .017 | -2.4 |
| 16 Sudden violent death | 58(2.7) | 46(5.8) | 12(0.9) | 45.701 | <.001 | -6.8 |
| 17 Sudden accidental death | 490(22.9) | 274(34.6) | 216(16.1) | 97.269 | <.001 | -9.9 |
| 18 Any other very stressful event or experience | 534(25.0) | 190(24.0) | 344(25.6) | 0.643 | .423 | 0.8 |
| At least one traumatic event | 1511(70.7) | 595(75.2) | 916(68.1) | 12.19 | <.001 | -3.5 |

Note. *a.s.r*  = Adjusted standardized residual, \*based on the Bonferroni correction, *p*<=.003 indicates significant difference between groups.

**Table S3**

*Means and standard deviations of study variables in Lithuania and Japan*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Total(*N* = 1511) | Lithuania(*n* = 595) | Japan(*n* = 916) |
|  | *M (SD)* | *M (SD)* | *M (SD)* |
| PTSD symptoms |  |  |  |
| Reexperiencing | 1.04 (1.12) | 1.02 (1.22) | 1.05 (1.06) |
| Avoidance | 1.12 (1.23) | 1.12 (1.34) | 1.12 (1.15) |
| Sense of Threat | 1.40 (1.22) | 1.31 (1.27) | 1.46 (1.19) |
| DSO symptoms |  |  |  |
| Affective dysregulation  | 1.38 (1.01) | 1.48 (0.95) | 1.32 (1.04) |
| Negative Self-Concept | 1.56 (1.33) | 1.42 (1.30) | 1.65 (1.34) |
| Disturbances in Relationship | 1.65 (1.20) | 1.76 (1.21) | 1.58 (1.19) |
|  | Total(*N* = 2136) | Lithuania(*n* = 791) | Japan(*n* = 1345) |
| Identity processes | *M (SD)* | *M (SD)* | *M (SD)* |
| Commitment making | 3.00 (1.14) | 3.23 (1.04) | 2.86 (1.18) |
| Exploration in breadth | 3.50 (0.94) | 3.69 (0.83) | 3.39 (0.98) |
| Ruminative exploration | 3.47 (0.96) | 3.36 (1.00) | 3.53 (0.93) |
| Identification with commitment | 2.84 (0.99) | 3.09 (1.01) | 2.70 (0.95) |
| Exploration in depth | 3.21 (0.82) | 3.40 (0.76) | 3.10 (0.84) |

Note. PTSD = Post-traumatic stress disorder, DSO = Disturbances in self-organization.

**Table S4**

*Point-Biserial Correlations (rpb) of exposure to traumatic experiences and PTSD/CPTSD diagnosis with identity processes*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Exposure to traumatic experiences (TE) (*n*=no/yes), *N*=2136\* | Commitment making | Exploration in breadth | Ruminative exploration | Identification with commitment | Exploration in depth |
|  | *rpb* | *p* | *rpb* | *p* | *rpb* | *p* | *rpb* | *p* | *rpb* | *p* |
| Natural disaster (*n*=1573/563) | **-.087** | <.001 | **-.081** | <.001 | **.102** | <.001 | **-.105** | <.001 | -.007 | .746 |
| Fire or explosion (*n*=1933/203) | .038 | .082 | .028 | .201 | -.013 | .553 | .024 | .267 | .034 | .111 |
| Transportation accident (*n*=1675/461) | .032 | .137 | .059 | .007 | <.001 | .984 | .026 | .226 | .036 | .097 |
| Serious other accident (*n*=1942/194) | .050 | .021 | .046 | .033 | -.042 | .053 | .043 | .045 | .003 | .896 |
| Childhood physical abuse (*n*=1877/259) | .026 | .221 | .001 | .965 | -.044 | .042 | .019 | .371 | -.042 | .054 |
| Physical assault (*n*=1849/287) | .058 | .008 | .044 | .042 | -.005 | .83 | .034 | .117 | .044 | .041 |
| Assault with a weapon (*n*=2083/53) | **.070** | .001 | .057 | .009 | -.051 | .018 | .050 | .020 | .034 | .116 |
| Childhood sexual abuse (*n*=2086/50) | .022 | .318 | -.002 | .918 | -.019 | .384 | .006 | .795 | -.019 | .379 |
| Sexual assault (*n*=2076/60) | .03 | .163 | -.021 | .324 | -.034 | .116 | .025 | .250 | -.046 | .035 |
| Other unwanted or uncomfortable sexual experience (*n*=1880/256) | .044 | .043 | .029 | .187 | -.040 | .066 | .042 | .054 | -.010 | .638 |
| Combat or exposure to a war-zone (*n*=2109/27) | .042 | .054 | .056 | .009 | .010 | .640 | .021 | .338 | .025 | .252 |
| Captivity (*n*=2114/22) | .035 | .106 | -.036 | .093 | **-.064** | .003 | .021 | .339 | **-.077** | <.001 |
| Life-threatening illness or injury (*n*=1936/200) | .035 | .108 | -.024 | .271 | -.063 | .004 | .020 | .348 | **-.078** | <.001 |
| Severe human suffering (*n*=1687/449) | .058 | .007 | .049 | .025 | -.019 | .388 | .039 | .07 | .059 | .006 |
| Sudden violent death (*n*=2078/58) | .016 | .469 | .022 | .314 | .034 | .118 | -.022 | .306 | .039 | .073 |
| Sudden accidental death (*n*=2078/58*)* | **.077** | <.001 | .033 | .125 | **-.074** | .001 | .056 | .009 | -.001 | .948 |
| Any other very stressful event or experience (*n*=1602/534*)* | **.066** | .002 | **.085** | <.001 | -.021 | .326 | .041 | .060 | .054 | .013 |
| At least one traumatic event (*n*=625/1511*)* | .007 | .760 | -.028 | .197 | .028 | .201 | -.032 | .140 | .008 | .709 |
| Diagnosis (*n*=no/yes) |
| PTSD (*n*=1228/104) | .031 | .224 | .019 | .460 | -.021 | .408 | .021 | .422 | -.018 | .476 |
| CPTSD (*n*=1228/179) | -.018 | .481 | -.046 | .075 | **.084** | .001 | **-.063** | .015 | .032 | .214 |

Note. PTSD = Post-traumatic stress disorder, DSO = Disturbances in self-organization, \* when analyzing exposure to traumatic experiences, based on the Bonferroni correction, *p*<=.003 indicates the significant correlation.

**Table S5**

*Model Fit Indices of Latent Class Analyses of the identity procesess*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Solution | Loglikelihood | AIC | BIC | Entropy | LMR-A *p*-value |
| Lithuania |  |  |  |  |  |
| 1 class | -4478.96 | 8977.93 | 9024.66 | - | - |
| 2 classes | -3865.83 | 7763.65 | 7838.42 | .821 | <.001 |
| 3 classes | -3493.78 | 7031.56 | 7134.37 | .876 | .005 |
| 4 classes | -3321.72 | 6699.45 | 683.30 | .858 | .435 |
| 5 classes | -3194.28 | 6456.56 | 6615.45 | .872 | .005 |
| **6 classes** | **-3129.09** | **6338.18** | **6525.11** | **.883** | **.036** |
| 7 classes | -3074.30 | 624.60 | 6455.57 | .871 | .388 |
| Japan |  |  |  |  |  |
| 1 class | -7977.90 | 15975.79 | 16027.84 | - | - |
| 2 classes | -6954.82 | 13941.64 | 14024.90 | .828 | <.001 |
| 3 classes | -6546.36 | 13136.72 | 13251.21 | .835 | <.001 |
| 4 classes | -6335.46 | 12726.93 | 12872.64 | .827 | .235 |
| 5 classes | -6143.21 | 12354.41 | 12531.35 | .826 | .172 |
| **6 classes** | **-6015.23** | **1211.46** | **12318.63** | **.830** | **.021** |
| 7 classes | -5906.71 | 11905.42 | 12144.81 | .826 | .245 |

Note. AIC = Akaike Information Criterion; BIC = Bayesian Information Criterion; LMR-A = Lo-Mendell-Rubin Adjusted Likelihood Ratio Test (LMR-A). Best fitting solution is in bold.