|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplementary Table S1.** *Fit Statistics for Univariate Latent Difference Score Models for PTSD Symptoms and Positive and Negative Social Support* | | | | | | | | |
|  | | | | | | | | |
|  | χ² | *df* | *p* | CFI | RMSEA | χ²∆ | *df*∆ | *p* |
| *PTSD symptoms* |  |  |  |  |  |  |  |  |
| Dual change model | 19.06 | 6 | 0.004 | 0.99 | 0.04 |  |  |  |
| Autoproportional change model | 145.48 | 9 | <.001 | 0.88 | 0.12 | 117.30 | 3 | <.001 |
| Constant change model | 215.17 | 10 | <.001 | 0.82 | 0.13 | 165.68 | 4 | <.001 |
| Dual change model with autoproportional paths constrained to equality | α |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| *Positive Social Support* |  |  |  |  |  |  |  |  |
| Dual change model | 6.5 | 6 | 0.37 | 1 | 0.01 |  |  |  |
| Autoproportional change model | 39.65 | 9 | <.001 | 0.99 | 0.05 | 40.02 | 3 | <.001 |
| Constant change model | 15.06 | 10 | 0.13 | 0.99 | 0.02 | 10.94 | 4 | 0.03 |
| Dual change model with autoproportional paths constrained to equality | 14.74 | 9 | 0.1 | 0.99 | 0.02 | 12.29 | 3 | <.01 |
|  |  |  |  |  |  |  |  |  |
| *Negative Social Support* |  |  |  |  |  |  |  |  |
| Dual change model | 45.85 | 10 | <.001 | 0.95 | 0.06 | 76.92 | 3 | <.001 |
| Autoproportional change model | 150.79 | 13 | <.001 | 0.82 | 0.11 | 74.02 | 4 | <.001 |
| Constant change model | 146.79 | 14 | <.001 | 0.83 | 0.08 |  |  |  |
| Dual change model with autoproportional paths constrained to equality | α |  |  |  |  |  |  |  |

CFI = Comparative Fit Index; RMSEA = Root Mean Square Error of Approximation, α indicates that model did not converge

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| **Supplementary Table S2.** *Parameter Estimates for Dual Change Univariate Latent Difference Score Models of PTSD Symptoms and Positive and Negative Social Support* | | | | | |
|  | Estimate | SE | Standardized Estimate | *t* | *p* |
| *PTSD symptoms* |  |  |  |  |  |
| Constant slope mean | **9.52** | 2.34 | 0.87 | 4.08 | <.001 |
| Autoproportional change 0 to 3 mth | **-0.36** | 0.14 | -0.6 | -2.5 | 0.01 |
| Autoproportional change 3 to 12 mth | **-0.47** | 0.12 | -1.81 | -4.07 | <.001 |
| Autoproportional change 12 to 24 mth | **-0.48** | 0.12 | -4.01 | -4.01 | <.001 |
| Autoproportional change 24 to 72 mth | **-0.72** | 0.11 | -3.32 | -6.47 | <.001 |
| Intercept-slope covariance | **96.67** | 25.39 | 0.6 | 3.81 | <.001 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| *Positive social support* |  |  |  |  |  |
| Constant slope mean | 0.96 | 0.76 | 3.15 | 1.23 | 0.21 |
| Autoproportional change 0 to 3 mth | -0.24 | 0.19 | -1.04 | -1.26 | 0.21 |
| Autoproportional change 3 to 12 mth | -0.28 | 0.18 | -2.11 | -1.51 | 0.13 |
| Autoproportional change 12 to 24 mth | -0.27 | 0.19 | -2.9 | -1.41 | 0.16 |
| Autoproportional change 24 to 72 mth | -0.28 | 0.2 | -4.86 | -1.44 | 0.15 |
| Intercept-slope covariance | 0.2 | 0.13 | 0.87 | 1.59 | 0.11 |
|  |  |  |  |  |  |
| *Negative social support* |  |  |  |  |  |
| Constant slope mean | **1.89** | 0.39 | 1.03 | 4.90 | <.001 |
| Autoproportional change 0 to 3 mth | **-1.44** | 0.22 | 1.04 | -6.67 | <.001 |
| Autoproportional change 3 to 12 mth | **-1.37** | 0.30 | 0.92 | -4.52 | <.001 |
| Autoproportional change 12 to 24 mth | **-1.32** | 0.24 | 0.98 | -5.34 | <.001 |
| Autoproportional change 24 to 72 mth | **-1.37** | 0.26 | 1.06 | -5.24 | <.001 |
| Intercept-slope covariance | **2.43** | 0.56 | 1.00 | 4.37 | <.001 |
|  |  |  |  |  |  |

SE = Standard Error, Significant parameters are represented in bold

**Supplementary Table S3.** *Full Model Parameters for Best-Fitting Latent Difference Score Model, Controlling for Age, Gender and Trauma Exposure*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | | |  |  | | |
| Parameter Estimates | *PTSD Est (SE)* | *p* | | *Positive SS Est (SE)* | *p* | *Negative SS Est (SE)* | | *p* |
| Initial status means | **6.99 (1.09)** | <.001 | | **4.13 (0.09)** | <.001 | **1.50 (0.10)** | | <.001 |
| Initial status variances | **113.36 (15.17**) | <.001 | | **0.57 (0.06)** | <.001 | **1.87 (0.147)** | | <.001 |
| Constant slope means | 13.44 (40.03) | 0.74 | | -0.22 (0.13) | 0.08 | **-0.60 (0.28)** | | 0.03 |
| Constant slope variances | 100.16 (154.99) | 0.49 | | 0.01 (0.01) | 0.22 | 1.12 (0.77) | | 0.15 |
| Initial status with constant slope | -12.74 (62.01) | 0.84 | | b |  | b | |  |
| *Autoproportional change* | Est (SE) | *p* | | | Std Est |  | | |
| PTSD 0 to 3 months | 1.61 (0.89) | 0.07 | | | 2.11 |  | | |
| PTSD 3 to 12 months | 0.69 (0.54) | 0.21 | | | 3.20 |  | | |
| PTSD 12 to 24 months | 0.42 (0.49) | 0.39 | | | 2.17 |  | | |
| PTSD 24 to 72 months | 0.21 (0.56) | 0.71 | | | 0.79 |  | | |
| Positive SS 0 to 3 mths | **0.07 (0.03)** | **0.04** | | | 0.37 |  | | |
| Positive SS 3 to 12 mths | 0.03 (0.03) | 0.28 | | | 0.16 |  | | |
| Positive SS 12 to 24 mths | 0.04 (0.03) | 0.21 | | | 0.25 |  | | |
| Positive SS 24 to 72 mths | 0.01 (0.03) | 0.94 | | | 0.02 |  | | |
| Negative SS 0 to 3 mths | **-0.49 (0.13)** | **<.01** | | | -1.81 |  | | |
| Negative SS 3 to 12 mths | -0.27 (0.17) | 0.12 | | | -1.31 |  | | |
| Negative SS 12 to 24 mths | **-0.31 (0.12)** | 0.01 | | | -1.36 |  | | |
| Negative SS 24 to 72 mths | **-0.34 (0.14)** | 0.02 | | | -1.18 |  | | |
| *PTSD-Social Support (SS) associations* | Est (SE) | *p* | | |  |  | | |
| Initial status (PTSD) with initial status (POS SS) covariance | **-2.75 (0.54)** | **<.001** | | |  |  | | |
| Constant slope (PTSD) with constant slope (POS SS) | b | b | | |  |  | | |
| Initial status (POS SS) with constant slope (PTSD) | -1.18 (4.66) | 0.80 | | |  |  | | |
| Initial status ( NEG SS) with constant slope (PTSD) covariance | **5.80 (0.99)** | **<.001** | | |  |  | | |
| Constant slope (PTSD) with constant slope (NEG SS) | 8.24 (9.43) | 0.38 | | |  |  | | |
| Initial status (PTSD) with initial status (NEG SS) covariance | **-2.75 (0.54)** | **<.001** | | |  |  | | |
| Initial status(POS SS) with initial status (NEG SS) covariance | **0.39 (0.07** | **<.001** | | |  |  | | |
|  |  | |  | |  | |  | |

PTSD = Posttraumatic stress disorder; SS = Social Support; Est = Estimate, SE = Standard Error; Std Est = Standardized Estimate.

b indicates that parameter was set to 0 to aid convergence. Significant parameters are represented in bold