Supplementary Table 1. Covariances and correlations of residuals of variables in final model

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| --- | --- | --- | --- | --- | --- |
|   |  *B* |  *SE* |  β  |  *p* |  95% CI |
| PTSD (W1) & Depression/Anxiety (W1)  | 23.62 | 1.15 | 0.60 | <.001 |  [21.74, 25.86] |
| PTSD (W1) & Trust (W1) | -3.38 | 0.77 | -0.15 | <.001 |  [-4.91, -1.86] |
| PTSD (W1) & Community Engagement (Own) (W1) | 0.56 | 1.17 | 0.02 | 0.62 |  [-1.72, 2.85] |
| PTSD (W1) & Community Engagement (Other) (W1) | -1.93 | 0.93 | -0.09 | 0.04 |   [-3.74, -0.11] |
| Depression/Anxiety (W1) & Trust (W1)  | -3.53 | 0.66 | -0.19 | <.001 |  [-4.82, -2.24] |
| Depression/Anxiety (W1) & Community Engagement (Own) (W1)  | 0.89 | 0.87 | 0.04 | 0.31 |  [-0.81, 2.59] |
| Depression/Anxiety (W1) & Community Engagement (Other) (W1)  | -1.23 | 0.74 | -0.07 | 0.10 |  [-2.69, 0.23] |
| Trust (W1) & Community Engagement (Own) (W1) | 1.32 | 0.62 | 0.11 | 0.03 |  [0.11, 2.52] |
| Trust (W1) & Community Engagement (Other) (W1) | 0.40 | 0.57 | 0.04 | 0.48 |  [-0.72, 1.53] |
| Community Engagement (Own) (W1) & Community Engagement (Other) (W1) | 9.34 | 1.53 | 0.73 | <.001 |  [6.35, 12.33] |
| PTSD (W3) & Depression/Anxiety (W3)  | 19.58 | 0.99 | 0.60 | <.001 |  [17.64, 21.52] |
| PTSD (W3) & Trust (W3) | -2.48 | 0.54 | -0.14 | <.001 |  [-3.54, -1.41] |
| PTSD (W3) & Community Engagement (Own) (W3) | -0.66 | 1.05 | -0.03 | 0.53 |   [-2.72, 1.41]  |
| PTSD (W3) & Community Engagement (Other) (W3) | 0.72 | 0.84 | 0.03 | 0.39  |    [-0.93, 2.36] |
| Depression/Anxiety (W3) & Trust (W3)  | -2.51 | 0.51 | -0.17 | <.001 |  [-3.50, -1.52] |
| Depression/Anxiety (W3) & Community Engagement (Own) (W3)  | -2.10 | 0.84 | -0.09 | 0.02 |  [-3.82, -0.39] |
| Depression/Anxiety (W3) & Community Engagement (Other) (W3)  | -0.35 | 0.74 | -0.02 | 0.63 |  [-1.80, 1.09] |
| Trust (W3) & Community Engagement (Own) (W3) | 1.19 | 0.54 | 0.10 | 0.03 |  [0.13, 2.24] |
| Trust (W3) & Community Engagement (Other) (W3) | 0.23 | 0.47 | 0.02 | 0.63 |  [-0.98, 1.15]  |
| Community Engagement (Own) (W3) & Community Engagement (Other) (W3) | 10.61 | 1.52 | 0.70 | <.001 |  [7.61, 13.59] |