**Supplemental Materials**

Supplementary Figure 1

Graphical user interface, text, application, Word

Description automatically generated

Supplementary Figure 2

Table

Description automatically generated

Supplementary Figure 3

Graphical user interface, text, application, email

Description automatically generated

Supplementary Figure 4

A screenshot of a computer

Description automatically generated with medium confidence

Supplementary Table 1

*CAMSA Results.csv variable definitions*

|  |  |
| --- | --- |
| Column | Definition |
| *Unnamed Column* | \*Model Iteration # |
| r1 | \*Intercept confounding correlation value |
| r2 | \*Slope confounding correlation value |
| est\_i | Indirect intercept estimate |
| se\_i | Indirect intercept standard error |
| L.CI\_i | Lower bound of the 95% of the indirect intercept |
| U.CI\_i | Upper bound of the 95% of the indirect intercept |
| est\_s | Indirect slope estimate |
| se\_s | Indirect slope standard error |
| L.CI\_s | Lower bound of the 95% of the indirect slope |
| U.CI\_s | Upper bound of the 95% of the indirect slope |
| npd.lavaan | Non positive definite covariance matrices in *lavaan* estimation; TRUE = non positive definite matrices |
| ci.i.npd | Non positive definite covariance matrices in *RMediation* estimation for the indirect intercept path 95% confidence interval; TRUE = non positive definite matrices |
| ci.s.npd | Non positive definite covariance matrices in *RMediation* estimation for the indirect slope path 95% confidence interval; TRUE = non positive definite matrices |

\*The values for model iteration #0 corresponding to the first row of data is the results from the latent growth mediation model without confounding correlations specified.

**Note.** If there are no values for a given combination that confounding correlation (r1 and r2 values) then a model estimation error occurred (e.g., non-convergence, non-positive definite matrices, or negative variances)