

# Methodological Standards Compliance

Conditional Process Analysis with Propensity Score Weighting

Results From an Empirically Informed Simulated Dataset Based on Current Reports on CSU Populations

**21/21**  
100%  
Criteria Met

**11/21**  
52%  
Exceeds Standard

## Sample, Weighting & Model Fit

## Bootstrap Design & Effect Reporting

Measure	Study	Benchmark	Measure	Study	Benchmark
● Effective Sample Size	<b>N = 5,000</b>	Report ESS	● Interaction Support	<b>XxZ product</b>	XxZ term
● Weight Balance (SMD)	<b>SMD ≈ 0</b>	SMD  < 0.10	● Identifiability	<b>df = 546</b>	df > 0
● Weight Range	<b>0.024-3.07</b>	Report range	● Bootstrap Design	<b>BTW</b>	Nonparam.
● Estimator	<b>MLR</b>	ML/MLR/WLSMV	● CI Method	<b>BCa</b>	BCa/Percentile
● $\chi^2$	<b>1045.81</b>	Report	● Bootstrap B	<b>B = 2000</b>	$\geq 1,000$
● df	<b>569</b>	Report	● Bootstrap Convergence	<b>100%</b>	$\geq 95\%$
● p value	<b>&lt; .001</b>	Report	● Direct Effects	<b>Est + BCa CI</b>	Est + CI
● CFI	<b>0.995</b>	$\geq 0.95$	● Indirect Effects	<b>BCa CI</b>	Boot CI
● TLI	<b>0.995</b>	$\geq 0.95$	● Conditional Indirects	<b><math>\pm 1 \text{ SD levels}</math></b>	Low/Mid/High
● RMSEA	<b>0.013</b>	$\leq 0.06$	● Index of Mod. Med.	<b>BCa CI</b>	Point + CI
● SRMR	<b>0.046</b>	$\leq 0.08$			

**Legend:**

● Exceeds preferred

● Meets minimum

● Adequate

**21/21 criteria met**

BTW = Bootstrap-then-weight; BCa = Bias-corrected accelerated. Standards per Kline (2023), Hayes (2022), Preacher & Hayes (2008).

Note: ● B = 500 adequate for inference, increase to  $\geq 2,000$  for final publication.