

Table S1. Potential scale reduction (PSR) factors determining mediation model convergence.

IV: Effect-Enhancement Motives; DV: Number of Consequences	
Iteration	PSR
100	1.30
200	1.08
300	1.15
400	1.44
500	1.17
600	1.28
700	1.18
800	1.06
900	1.02
1000	1.09
2000	1.05
4000	1.01
6000	1.02
8000	1.02
10000	1.02
IV: Effect-Enhancement Motives; DV: Hangover	
Iteration	PSR
100	1.69
200	1.66
300	1.61
400	1.25
500	1.03
600	1.09
700	1.05
800	1.03
900	1.06
1000	1.04
2000	1.04
4000	1.03
6000	1.02
8000	1.02
10000	1.01
IV: Effect-Enhancement Motives; DV: Nausea	
Iteration	PSR
100	1.87
200	1.52
300	1.48
400	1.27
500	1.06
600	1.05
700	1.10
800	1.03

900	1.02
1000	1.04
2000	1.14
4000	1.10
6000	1.03
8000	1.01
10000	1.01

IV: Effect-Enhancement Motives; DV: Blackout
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Iteration	PSR
100	1.95
200	1.31
300	1.67
400	2.30
500	1.36
600	1.22
700	1.11
800	1.05
900	1.05
1000	1.09
2000	1.56
4000	1.14
6000	1.07
8000	1.05
10000	1.02

IV: Social Motives; DV: Number of Consequences
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Iteration	PSR
100	1.31
200	1.06
300	1.15
400	1.44
500	1.17
600	1.28
700	1.18
800	1.06
900	1.02
1000	1.09
2000	1.05
4000	1.01
6000	1.02
8000	1.02
10000	1.02

IV: Social Motives; DV: Hangover

Iteration	PSR
100	1.70
200	1.66
300	1.58

400	1.26
500	1.03
600	1.09
700	1.05
800	1.03
900	1.06
1000	1.08
2000	1.04
4000	1.03
6000	1.02
8000	1.02
10000	1.01

IV: Social Motives; DV: Nausea

Iteration	PSR
100	1.87
200	1.45
300	1.45
400	1.27
500	1.06
600	1.05
700	1.09
800	1.02
900	1.02
1000	1.06
2000	1.16
4000	1.10
6000	1.03
8000	1.01
10000	1.01

IV: Social Motives; DV: Blackout

Iteration	PSR
100	1.85
200	1.63
300	1.61
400	2.38
500	1.43
600	1.25
700	1.10
800	1.06
900	1.06
1000	1.09
2000	1.68
4000	1.14
6000	1.07
8000	1.05
10000	1.02

IV: Offered Motives; DV: Number of Consequences

Iteration	PSR
100	1.30
200	1.07
300	1.14
400	1.44
500	1.17
600	1.28
700	1.18
800	1.06
900	1.02
1000	1.09
2000	1.05
4000	1.01
6000	1.02
8000	1.02
10000	1.02

IV: Offered Motives; DV: Hangover

Iteration	PSR
100	1.69
200	1.66
300	1.62
400	1.25
500	1.03
600	1.09
700	1.05
800	1.04
900	1.06
1000	1.04
2000	1.04
4000	1.03
6000	1.02
8000	1.02
10000	1.01

IV: Offered Motives; DV: Nausea

Iteration	PSR
100	1.85
200	1.45
300	1.46
400	1.28
500	1.05
600	1.05
700	1.10
800	1.07
900	1.02
1000	1.09

2000	1.17
4000	1.10
6000	1.03
8000	1.01
10000	1.01

IV: Offered Motives; DV: Blackout

Iteration	PSR
100	1.91
200	1.31
300	1.63
400	2.36
500	1.39
600	1.27
700	1.15
800	1.14
900	1.07
1000	1.13
2000	1.60
4000	1.13
6000	1.07
8000	1.04
10000	1.02

IV: Coping Motives; DV: Number of Consequences

Iteration	PSR
100	1.30
200	1.07
300	1.14
400	1.44
500	1.18
600	1.28
700	1.19
800	1.06
900	1.02
1000	1.09
2000	1.05
4000	1.01
6000	1.02
8000	1.02
10000	1.02

IV: Coping Motives; DV: Hangover

Iteration	PSR
100	1.66
200	1.64
300	1.63
400	1.25
500	1.03

600	1.09
700	1.05
800	1.03
900	1.06
1000	1.04
2000	1.04
4000	1.03
6000	1.02
8000	1.02
10000	1.01

IV: Coping Motives; DV: Nausea

Iteration	PSR
100	1.81
200	1.48
300	1.47
400	1.27
500	1.06
600	1.05
700	1.10
800	1.03
900	1.02
1000	1.12
2000	1.16
4000	1.10
6000	1.03
8000	1.01
10000	1.01

IV: Coping Motives; DV: Blackout

Iteration	PSR
100	1.88
200	1.30
300	1.61
400	2.25
500	1.37
600	1.24
700	1.11
800	1.07
900	1.06
1000	1.08
2000	1.57
4000	1.16
6000	1.08
8000	1.05
10000	1.02

Note. PSR factors across 10,000 iterations for each of the multilevel mediation models. PSR values close to 1.0 indicate model convergence (Muthén, 2010).