

Supplemental Material

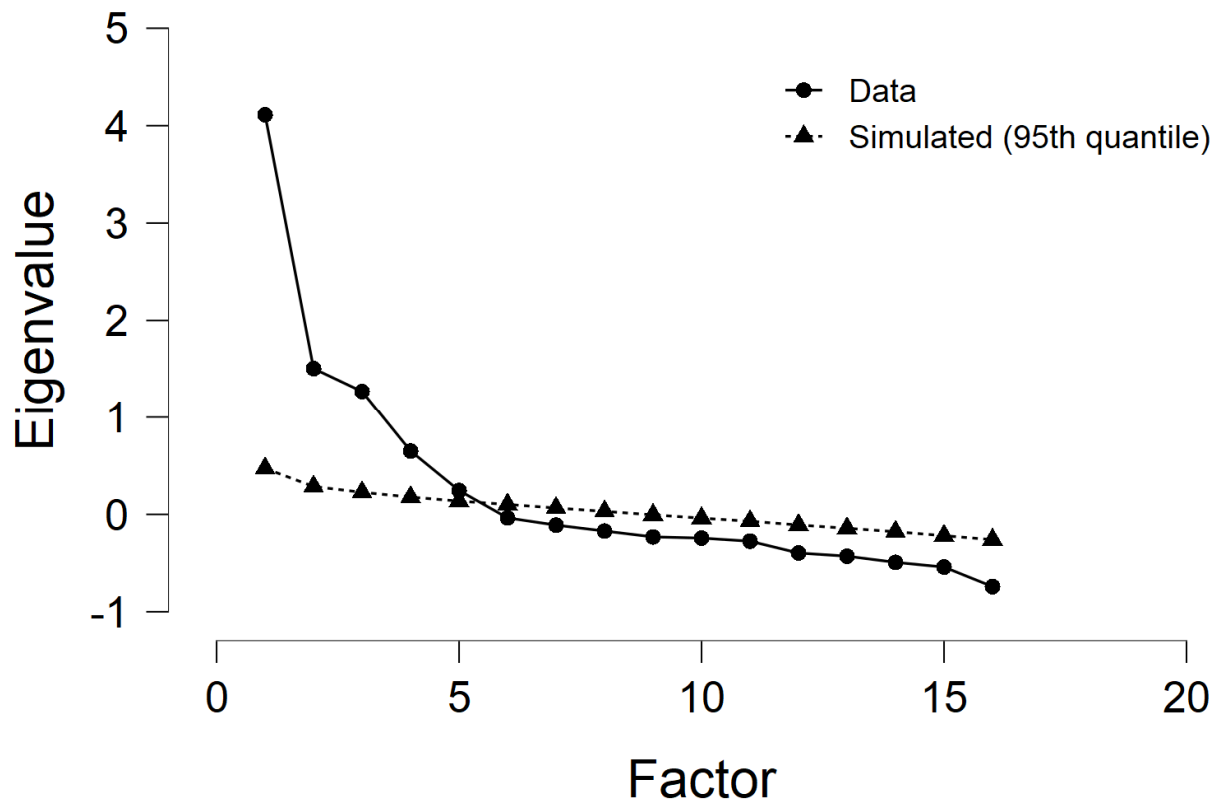


Figure S1. Scree Plot of Empirical Eigenvalues Against the 95th Quantile of Simulated Eigenvalues.

Supplementary Table S1. Unstandardized Parameters of the Mediation Model.

Predictors	Outcome	Estimate	SE	z	p	95% CI	
						Lower	Upper
school adjustment	offline victimization	<b>-0.465**</b>	0.149	-3.129	0.002	-0.757	-0.174
school adjustment	offline perpetration	0.195	0.211	0.925	0.355	-0.218	0.608
school adjustment	cyber victimization	0.144	0.225	0.640	0.522	-0.297	0.585
school adjustment	cyber perpetration	-0.670	0.474	-1.412	0.158	-1.600	0.260
school adjustment	school performance SE	<b>0.247***</b>	0.074	3.342	< 0.001	0.102	0.392
school adjustment	body related SE	0.065	0.058	1.128	0.259	-0.048	0.178
school adjustment	social SE	<b>0.573***</b>	0.085	6.710	< 0.001	0.406	0.741
school adjustment	creative-artistic SE	-0.069	0.055	-1.262	0.207	-0.177	0.038
school adjustment	emotional SE	<b>0.579***</b>	0.087	6.676	< 0.001	0.409	0.749
offline victimization	school performance SE	<b>0.175***</b>	0.040	4.353	< 0.001	0.096	0.254
offline victimization	body related SE	-0.070	0.040	-1.729	0.084	-0.148	0.009
offline victimization	social SE	<b>-0.328***</b>	0.048	-6.810	< 0.001	-0.423	-0.234
offline victimization	creative-artistic SE	0.025	0.036	0.683	0.494	-0.046	0.095
offline victimization	emotional SE	-0.090	0.049	-1.828	0.067	-0.187	0.006
offline perpetration	school performance SE	-0.079	0.046	-1.724	0.085	-0.168	0.011
offline perpetration	body related SE	0.006	0.037	0.157	0.876	-0.067	0.079
offline perpetration	social SE	-0.008	0.033	-0.253	0.800	-0.073	0.056
offline perpetration	creative-artistic SE	0.030	0.024	1.244	0.214	-0.018	0.078
offline perpetration	emotional SE	-0.029	0.035	-0.811	0.418	-0.098	0.041
cyber victimization	school performance SE	<b>0.054*</b>	0.025	2.187	0.029	0.006	0.102
cyber victimization	body related SE	0.011	0.027	0.407	0.684	-0.041	0.063
cyber victimization	social SE	<b>-0.155***</b>	0.029	-5.280	< 0.001	-0.213	-0.097
cyber victimization	creative-artistic SE	-0.0001524	0.022	-0.007	0.994	-0.043	0.043
cyber victimization	emotional SE	-0.043	0.029	-1.453	0.146	-0.100	0.015

cyber perpetration	school performance SE	-0.065	0.038	-1.703	0.088	-0.139	0.010
cyber perpetration	body related SE	0.036	0.031	1.159	0.246	-0.025	0.096
cyber perpetration	social SE	-0.004	0.019	-0.207	0.836	-0.042	0.034
cyber perpetration	creative-artistic SE	-0.011	0.018	-0.594	0.553	-0.047	0.025
cyber perpetration	emotional SE	-0.029	0.023	-1.274	0.203	-0.073	0.016
school performance SE	gender	-0.231	0.179	-1.286	0.199	-0.582	0.121
school performance SE	age	-0.031	0.033	-0.946	0.344	-0.095	0.033
body related SE	gender	-0.070	0.189	-0.373	0.709	-0.440	0.299
body related SE	age	0.038	0.037	1.023	0.306	-0.035	0.111
social SE	gender	0.112	0.167	0.669	0.503	-0.216	0.440
social SE	age	0.017	0.034	0.510	0.610	-0.050	0.085
creative-artistic SE	gender	-0.295	0.205	-1.434	0.152	-0.697	0.108
creative-artistic SE	age	0.010	0.036	0.289	0.773	-0.060	0.080
emotional SE	gender	<b>0.390*</b>	0.169	2.309	0.021	0.059	0.720
emotional SE	age	0.025	0.035	0.702	0.482	-0.044	0.093
offline victimization	gender	0.126	0.088	1.436	0.151	-0.046	0.297
offline victimization	age	0.017	0.017	1.038	0.299	-0.015	0.050
offline perpetration	gender	<b>0.220**</b>	0.072	3.042	0.002	0.078	0.361
offline perpetration	age	0.002	0.010	0.191	0.849	-0.018	0.022
cyber victimization	gender	0.036	0.054	0.658	0.510	-0.070	0.142
cyber victimization	age	-0.0002317	0.010	-0.023	0.982	-0.020	0.019
cyber perpetration	gender	0.060	0.035	1.712	0.087	-0.009	0.128
cyber perpetration	age	0.004	0.004	1.003	0.316	-0.004	0.012
school adjustment	gender	0.231	0.133	1.739	0.082	-0.029	0.491
school adjustment	age	-0.045	0.025	-1.762	0.078	-0.094	0.005

Note. SE = "self-esteem". Robust standard errors, robust confidence intervals, full information maximum likelihood estimator. Significant values are displayed in bold. \*  $p \leq 0.05$ , \*\*  $p \leq 0.01$ , \*\*\*  $p \leq 0.001$ .

**Supplementary Table S2.** Unstandardized Total, Direct, Total Indirect and Indirect Effects of the Mediation Model.

Predictors	Mediator	Outcome	Estimate	SE	z	p	95% CI	
							Lower	Upper
Total effects								
school performance SE	—	school adjustment	0.201**	0.073	2.753	0.006	0.058	0.345
body related SE	—	school adjustment	0.076	0.063	1.210	0.226	−0.047	0.200
social SE	—	school adjustment	0.705***	0.077	9.184	≤ 0.001	0.554	0.855
creative–artistic SE	—	school adjustment	−0.068	0.057	−1.196	0.232	−0.179	0.043
emotional SE	—	school adjustment	0.629***	0.091	6.879	≤ 0.001	0.449	0.808
Direct effects								
school performance SE	—	school adjustment	0.247***	0.074	3.342	≤ 0.001	0.102	0.392
body related SE	—	school adjustment	0.065	0.058	1.128	0.259	−0.048	0.178
social SE	—	school adjustment	0.573***	0.085	6.710	≤ 0.001	0.406	0.741
creative–artistic SE	—	school adjustment	−0.069	0.055	−1.262	0.207	−0.177	0.038
emotional SE	—	school adjustment	0.579***	0.087	6.676	≤ 0.001	0.409	0.749
Total indirect effects								
school performance SE	—	school adjustment	−0.046	0.047	−0.978	0.328	−0.137	0.046
body related SE	—	school adjustment	0.011	0.035	0.319	0.750	−0.057	0.080
social SE	—	school adjustment	0.131***	0.040	3.254	0.001	0.052	0.210
creative–artistic SE	—	school adjustment	0.002	0.021	0.081	0.935	−0.040	0.043
emotional SE	—	school adjustment	0.050*	0.025	1.962	0.050	0.00006	0.099
Indirect effects								
school performance SE	offline victimization	school adjustment	−0.082*	0.032	−2.557	0.011	−0.144	−0.019
school performance SE	offline perpetration	school adjustment	−0.015	0.018	−0.862	0.389	−0.050	0.020
school performance SE	cyber victimization	school adjustment	0.008	0.013	0.616	0.538	−0.017	0.032
school performance SE	cyber perpetration	school adjustment	0.043	0.047	0.920	0.358	−0.049	0.136
body related SE	offline victimization	school adjustment	0.032	0.023	1.432	0.152	−0.012	0.077
body related SE	offline perpetration	school adjustment	0.001	0.007	0.153	0.878	−0.013	0.016

body related SE	cyber victimization	school adjustment	0.002	0.004	0.379	0.705	-0.006	0.010
body related SE	cyber perpetration	school adjustment	-0.024	0.033	-0.735	0.462	-0.088	0.040
social SE	offline victimization	school adjustment	<b>0.153**</b>	0.055	2.787	0.005	0.045	0.260
social SE	offline perpetration	school adjustment	-0.002	0.007	-0.250	0.802	-0.014	0.011
social SE	cyber victimization	school adjustment	-0.022	0.035	-0.642	0.521	-0.091	0.046
social SE	cyber perpetration	school adjustment	0.003	0.013	0.205	0.837	-0.023	0.028
creative-artistic SE	offline victimization	school adjustment	-0.011	0.017	-0.662	0.508	-0.045	0.023
creative-artistic SE	offline perpetration	school adjustment	0.006	0.008	0.788	0.430	-0.009	0.021
creative-artistic SE	cyber victimization	school adjustment	-0.00002	0.003	-0.007	0.994	-0.006	0.006
creative-artistic SE	cyber perpetration	school adjustment	0.007	0.015	0.486	0.627	-0.022	0.037
emotional SE	offline victimization	school adjustment	0.042	0.025	1.670	0.095	-0.007	0.091
emotional SE	offline perpetration	school adjustment	-0.006	0.009	-0.606	0.545	-0.024	0.012
emotional SE	cyber victimization	school adjustment	-0.006	0.011	-0.580	0.562	-0.027	0.015
emotional SE	cyber perpetration	school adjustment	0.019	0.019	1.012	0.311	-0.018	0.057

Note. SE = "self-esteem". Robust standard errors, robust confidence intervals, full information maximum likelihood estimator. Significant vales are displayed in bold. \*  $p \leq 0.05$ , \*\*  $p \leq 0.01$ , \*\*\*  $p \leq 0.001$ .

**Supplementary Table S3.** Standardized Total, Direct, Total Indirect and Indirect Effects of the Mediation Model.

Predictors	Mediator	Outcome	Estimate	SE	z	p	95% CI	
							Lower	Upper
Total effects								
school performance SE	—	school adjustment	0.125**	0.045	2.753	0.006	0.036	0.214
body related SE	—	school adjustment	0.053	0.044	1.210	0.226	−0.033	0.139
social SE	—	school adjustment	0.469***	0.051	9.184	≤ 0.001	0.369	0.570
creative-artistic SE	—	school adjustment	−0.051	0.043	−1.196	0.232	−0.135	0.033
emotional SE	—	school adjustment	0.418***	0.061	6.879	≤ 0.001	0.299	0.537
Direct effects								
school performance SE	—	school adjustment	0.153***	0.046	3.342	≤ 0.001	0.063	0.243
body related SE	—	school adjustment	0.045	0.040	1.128	0.259	−0.034	0.124
social SE	—	school adjustment	0.382***	0.057	6.710	≤ 0.001	0.270	0.493
creative-artistic SE	—	school adjustment	−0.052	0.041	−1.262	0.207	−0.134	0.029
emotional SE	—	school adjustment	0.385***	0.058	6.676	≤ 0.001	0.272	0.498
Total indirect effects								
school performance SE	—	school adjustment	−0.028	0.029	−0.978	0.328	−0.085	0.028
body related SE	—	school adjustment	0.008	0.024	0.319	0.750	−0.040	0.056
social SE	—	school adjustment	0.088**	0.027	3.254	0.001	0.035	0.140
creative-artistic SE	—	school adjustment	0.001	0.016	0.081	0.935	−0.030	0.033
emotional SE	—	school adjustment	0.033*	0.017	1.962	0.050	0.00004	0.066
Indirect effects								
school performance SE	offline victimization	school adjustment	−0.051*	0.020	−2.557	0.011	−0.089	−0.012
school performance SE	offline perpetration	school adjustment	−0.009	0.011	−0.862	0.389	−0.031	0.012
school performance SE	cyber victimization	school adjustment	0.005	0.008	0.616	0.538	−0.010	0.020
school performance SE	cyber perpetration	school adjustment	0.027	0.029	0.920	0.358	−0.030	0.084
body related SE	offline victimization	school adjustment	0.023	0.016	1.432	0.152	−0.008	0.054
body related SE	offline perpetration	school adjustment	0.0008	0.005	0.153	0.878	−0.009	0.011
body related SE	cyber victimization	school adjustment	0.001	0.003	0.379	0.705	−0.005	0.007
body related SE	cyber perpetration	school adjustment	−0.017	0.023	−0.735	0.462	−0.061	0.028
social SE	offline victimization	school adjustment	0.102**	0.036	2.787	0.005	0.030	0.173
social SE	offline perpetration	school adjustment	−0.001	0.004	−0.250	0.802	−0.010	0.007
social SE	cyber victimization	school adjustment	−0.015	0.023	−0.642	0.521	−0.060	0.031
social SE	cyber perpetration	school adjustment	0.002	0.009	0.205	0.837	−0.015	0.019
creative-artistic SE	offline victimization	school adjustment	−0.009	0.013	−0.662	0.508	−0.034	0.017
creative-artistic SE	offline perpetration	school adjustment	0.004	0.006	0.788	0.430	−0.007	0.016
creative-artistic SE	cyber victimization	school adjustment	−0.00002	0.002	−0.007	0.994	−0.005	0.005
creative-artistic SE	cyber perpetration	school adjustment	0.005	0.011	0.486	0.627	−0.017	0.028
emotional SE	offline victimization	school adjustment	0.028	0.017	1.670	0.095	−0.005	0.061

emotional SE	offline perpetration	school adjustment	-0.004	0.006	-0.606	0.545	-0.016	0.008
emotional SE	cyber victimization	school adjustment	-0.004	0.007	-0.580	0.562	-0.018	0.010
emotional SE	cyber perpetration	school adjustment	0.013	0.013	1.012	0.311	-0.012	0.038

*Note.* SE = "self-esteem". Robust standard errors, robust confidence intervals, full information maximum likelihood estimator. Significant vales are displayed in bold. \*  $p \leq 0.05$ , \*\*  $p \leq 0.01$ , \*\*\*  $p \leq 0.001$ .