

**Supplementary** Table 1. The estimated parameters of the path model for girls. Standardized regression coefficients and correlation coefficients are presented.

<b>Girls (n = 508)</b>	$\beta$	SE	95% CI	P value
<b>Grade point average</b>				
Self-reported MVPA	0.123	0.041	0.043, 0.203	0.002
Screen time	-0.135	0.053	-0.239, -0.032	0.01
Non-screen sedentary time	0.212	0.066	0.083, 0.340	0.001
Aerobic fitness	0.147	0.050	0.048, 0.246	0.004
Body fat percentage	-0.140	0.053	-0.244, -0.037	0.008
Bed time	-0.160	0.057	-0.271, -0.049	0.005
Age	-0.069	0.056	-0.179, 0.041	0.22
Mother's high education	0.202	0.052	0.100, 0.303	<0.001
Learning difficulties	-0.329	0.051	-0.429, -0.229	<0.001
<b>Aerobic fitness</b>				
Self-reported MVPA	0.219	0.046	0.128, 0.310	<0.001
Screen time	-0.158	0.055	-0.266, -0.050	0.004
Non-screen sedentary time	-0.174	0.055	-0.282, -0.065	0.002
Age	0.342	0.064	0.218, 0.467	<0.001
Mother's high education	0.184	0.050	0.087, 0.282	<0.001
Learning difficulties	-0.098	0.061	-0.217, 0.022	0.11
Body fat percentage	-0.433 <sup>a</sup>	0.040	-0.511, -0.355	<0.001
Bed time	0.088 <sup>a</sup>	0.045	-0.001, 0.176	0.05
<b>Body fat percentage</b>				
Self-reported MVPA	-0.129	0.050	-0.228, -0.031	0.01
Screen time	0.129	0.049	0.034, 0.225	0.008
Non-screen sedentary time	0.159	0.048	0.065, 0.253	0.001
Age	0.005	0.063	-0.119, 0.129	0.93
Mother's high education	-0.101	0.054	-0.207, 0.006	0.06
Learning difficulties	0.159	0.057	0.048, 0.270	0.005

Bed time	0.040 <sup>a</sup>	0.050	-0.058, 0.138	0.42
<b>Bed time</b>				
Self-reported MVPA	0.091	0.039	0.015, 0.167	0.02
Screen time	0.351	0.044	0.264, 0.438	<0.001
Age	0.278	0.054	0.172, 0.385	<0.001
Mother's high education	0.014	0.057	-0.097, 0.126	0.80
Learning difficulties	-0.091	0.041	-0.172, -0.01	0.03
<b>Self-reported MVPA</b>				
Screen time	-0.155 <sup>a</sup>	0.054	-0.261, -0.050	0.004
Non-screen sedentary time	-0.154 <sup>a</sup>	0.052	-0.257, -0.052	0.003

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MVPA, moderate-to-vigorous physical activity;  $\beta$ , standardized regression coefficient; SE, standard error; CI, confidence interval

<sup>a</sup> Correlation coefficient