

Supplementary Table 2. The estimated parameters of the path model for boys. Standardized regression coefficients and correlation coefficients are presented.

Boys (n = 462)	β	SE	95% CI	P value
Grade point average				
Self-reported MVPA	0.031	0.052	-0.071, 0.133	0.55
Screen time	-0.016	0.047	-0.109, 0.077	0.74
Non-screen sedentary time	0.193	0.063	0.069, 0.317	0.002
Aerobic fitness	0.363	0.063	0.240, 0.487	<0.001
Body fat percentage	0.058	0.055	-0.051, 0.166	0.30
Bed time	-0.235	0.058	-0.348, -0.121	<0.001
Age	-0.213	0.072	-0.353, -0.072	0.003
Mother's high education	0.095	0.067	-0.036, 0.227	0.16
Learning difficulties	-0.148	0.062	-0.268, -0.027	0.02
Aerobic fitness				
Self-reported MVPA	0.316	0.043	0.231, 0.401	<0.001
Screen time	-0.164	0.048	-0.258, -0.070	0.001
Non-screen sedentary time	-0.181	0.047	-0.274, -0.089	<0.001
Age	0.345	0.052	0.243, 0.448	<0.001
Mother's high education	0.068	0.054	-0.038, 0.174	0.21
Learning difficulties	-0.164	0.051	-0.265, -0.064	0.001
Body fat percentage	-0.542 ^a	0.038	-0.615, -0.468	<0.001
Bed time	0.013 ^a	0.060	-0.105, 0.131	0.83
Body fat percentage				
Self-reported MVPA	-0.244	0.052	-0.346, -0.142	<0.001
Screen time	0.058	0.063	-0.066, 0.182	0.36
Non-screen sedentary time	0.002	0.063	-0.122, 0.125	0.98
Age	-0.046	0.048	-0.140, 0.049	0.34
Mother's high education	-0.057	0.069	-0.192, 0.079	0.41
Learning difficulties	0.011	0.057	-0.101, 0.123	0.85

Bed time	-0.046 ^a	0.051	-0.146, 0.053	0.36
Bed time				
Screen time	0.335	0.054	0.229, 0.440	<0.001
Age	0.390	0.043	0.305, 0.475	<0.001
Mother's high education	-0.020	0.048	-0.114, 0.073	0.67
Learning difficulties	-0.031	0.073	-0.175, 0.113	0.67
Self-reported MVPA				
Screen time	-0.160 ^a	0.053	-0.264, -0.055	0.003
Non-screen sedentary time	-0.131 ^a	0.058	-0.244, -0.017	0.02

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

^aCorrelation coefficient