

**Table S1.** Sensitivity analysis of associations between physical activity, screen time, and frequent psychosomatic complaints in Canadian adolescents, HBSC 2002-2014.

Characteristics	Overall	Boys	Girls
	Adjusted OR (95% CI)	Adjusted OR (95% CI)	Adjusted OR (95% CI)
Physical activity ( $\geq 60$ mins/day)			
$\leq 2$ days	1 [Reference]	1 [Reference]	1 [Reference]
3-4 days	0.69 (0.62-0.75)	0.69 (0.59-0.80)	0.69 (0.61-0.78)
5-6 days	0.59 (0.54-0.65)	0.56 (0.48-0.66)	0.62 (0.55-0.70)
7 days	0.68 (0.61-0.75)	0.62 (0.53-0.72)	0.75 (0.65-0.87)
Daily screen time			
$\leq 4$ hrs/d	1 [Reference]	1 [Reference]	1 [Reference]
4-6 hrs/d	1.20 (1.09-1.31)	1.12 (0.97-1.30)	1.24 (1.10-1.40)
6-9 hrs/d	1.48 (1.35-1.62)	1.40 (1.21-1.61)	1.52 (1.35-1.71)
$> 9$ hrs/d	1.97 (1.80-2.15)	1.75 (1.53-2.00)	2.15 (1.92-2.42)

OR Odds ratio

CI Confidence interval

Models were adjusted for age, body mass index, alcohol consumption, family affluence scale (FAS) score, and survey cycle; the model based on the overall sample is additionally adjusted for gender.