

Supplementary Table S3: Sensitivity analysis using quantile regression models

	Boys S-HEI (n = 3505)			Girls S-HEI (n = 3814)		
	Adjusted Coef.	95% CI	p	Adjusted Coef.	95% CI	p
Course						
2nd course of CSE	0			0		
4th course of CSE	-1.5	(-2.4; -0.6)	0.001	0.1	(-0.8; 1.0)	0.87
2nd course of PCSE	1	(-0.2; 2.2)	0.096	2.3	(1.3; 3.4)	<0.001
ILTC	-3.5	(-5.2; -1.8)	<0.001	-3.5	(-5.3; -1.6)	<0.001
Parents' highest level of education						
University education	0			0		
Secondary education	-2.0	(-3.0; -1.0)	<0.001	-2.1	(-3.0; -1.2)	<0.001
Primary education	-2.5	(-3.7; -1.3)	<0.001	-3.8	(-4.9; -2.7)	<0.001
No data	-3.5	(-4.6; -2.4)	<0.001	-3.1	(-4.2; -1.9)	<0.001
Physical activity ^a						
Compliance with WHO recommendations	0			0		
Under WHO recommendations	-0.5	(-1.3; -0.3)	0.238	-1.0	(-1.8; -0.2)	0.019
No data	-2.0	(-3.6; -0.4)	<0.001	-3.5	(-5.0; -1.1)	<0.001
Alcohol use ^b						
Non-hazardous drinking	0			0		
Hazardous drinking	-2.5	(-3.9; -1.1)	<0.001	-0.6	(-1.7; 0.5)	0.31
Tobacco use						
Others	0			0		
Daily use	-2.5	(-4.2; -0.8)	0.003	-3.0	(-4.4; -1.5)	<0.001
Mobile use ^c						
No problematic use	0			0		
Occasional or frequent problems	-2.0	(-3.2; -0.8)	0.001	-1.5	(-2.6; -0.3)	0.011
No data	-1.0	(-2.0; -0.0)	0.05	-0.6	(-1.6; 0.5)	0.28
Self-perceived health						
Excellent/very good	0			0		
Good	-1.5	(-2.4; -0.6)	0.001	-1.5	(-2.3; -0.7)	<0.001
Very poor/poor	-0.5	(-2.1; 1.1)	0.53	-3.6	(-4.9; -2.4)	<0.001
Mood state ^d						
Good mood				0		
Low mood				-1.3	(-2.1; -0.4)	0.006
Academic performance						
Good grades	0			0		
Average grades	-1.5	(-2.4; -0.6)	0.001	-2.0	(-2.8; -1.1)	<0.001
Poor grades	-4.0	(-5.4; -2.6)	<0.001	-5.6	(-7.1; -4.0)	<0.001
No data	-3.5	(-5.4; -1.6)	<0.001	-3.0	(-4.9; -1.1)	0.002

Statistically significant associations are highlighted in bold in the p-value columns. Abbreviations: 2nd and 4th course of CSE (Compulsory Secondary Education) corresponds to ISCED 2 (International Standard Classification of Education); 2nd PCSE (Post Compulsory Secondary Education) and ILTC (Intermediate Level Training Cycles) corresponds to ISCED3 (International Standard Classification of Education); WHO = World Health Organization; S-HEI = Healthy Eating Index Spanish adaptation; CI = Confidence Interval; "p" Student's *t* test, $p < 0.05$ were considered statistically significant. ^a In compliance with the WHO recommendation of ≥ 60 min per day, or under the WHO recommendation of 60 min per day, estimated from the average daily minutes of moderate or vigorous physical activity reported by the adolescents. ^b Scores above 3 on the Alcohol Use Disorders Identification Test (AUDIT-C test) were considered hazardous drinking. ^c Scores above 15 on the Questionnaire for mobile phone-related experiences (CERM test) were considered problematic mobile use. ^d Scores of 3 or more was identified as a low mood.