

# Capturing the Interrelationship between Objectively Measured Physical Activity and Sedentary Behaviour in Children in the Context of Diverse Environmental Exposures

**Table S1.** Analyses to determine daily SB cut-point for multilevel logistic regression.

**Table S1a.** Sensitivity analysis testing daily SB cut-points protective of overweight and/or obese status.

SB Cut-Points	OR	CI
SB minutes/day (<360 vs. ≥360)	0.000	0.000–0.000
SB minutes/day (<420 vs. ≥420)	0.213	0.270–1.667
SB minutes/day (<480 vs. ≥480) *	0.428	0.188–0.975
SB minutes/day (<540 vs. ≥540) *	0.515	0.301–0.882
SB minutes/day (<600 vs. ≥600)	0.542	0.292–1.006
SB minutes/day (<660 vs. ≥660)	0.503	0.117–2.157

**Table S1b.** Multivariable logistic regression depicting the selected SB cut-point's association with overweight and/or obese status.

Variables	OR	CI
SB minutes/day (<480 vs. ≥480) *	0.424	0.182–0.989
Boys vs. Girls	1.092	0.658–1.815
Age 11 vs. Age 10	0.877	0.430–1.789
Age 12 vs. Age 10	1.217	0.576–2.570
Age 13 vs. Age 10	1.571	0.691–3.571
Age 14 vs. Age 10	0.711	0.246–2.050
Mother's Education (University degree vs. all other) **	0.521	0.311–0.870

SB: sedentary behaviour; OR: odds ratio; CI: confidence interval; \*  $p < 0.05$ ; \*\*  $p < 0.01$ ; wear-time was controlled for in both sensitivity analyses and the multivariable logistic regression analysis.