

Supplementary Table A: Multiple linear regression analyses – standardised regression coefficients and 95% confidence intervals representing the change in standard deviation of SDQ scores at age 11 per unit time increase of sedentary behaviour (60 minutes), light activity (30 minutes) and MVPA (15 minutes); minimally-adjusted and fully-adjusted models

		Boys				Girls			
		Model 1		Model 2		Model 1		Model 2	
		$\beta^\dagger$	95% CI	$\beta^\dagger$	95% CI	$\beta^\dagger$	95% CI	$\beta^\dagger$	95% CI
Minimally-adjusted	sedentary	0.050	-0.014,0.113	0.039	-0.021,0.098	0.022	-0.035,0.080	0.032	-0.022,0.086
	light	-0.016	-0.053,0.020	-0.016	-0.051,0.020	-0.008	-0.044,0.029	-0.013	-0.048,0.023
	MVPA	-0.033	-0.071,0.004	-0.023	-0.056,0.011	-0.019	-0.058,0.020	-0.026	-0.060,0.008
Fully-adjusted	sedentary	0.119 ***	0.049,0.189	0.102 **	0.036,0.168	0.045	-0.009,0.098	0.056 *	0.005,0.107
	light	-0.053 *	-0.097,-0.009	-0.050 *	-0.091,-0.010	-0.040 *	-0.075,-0.005	-0.047 *	-0.083,-0.010
	MVPA	-0.061 **	-0.101,-0.021	-0.048 **	-0.083,-0.014	0.007	-0.038,0.052	0.003	-0.037,0.043
Minimally-adjusted	sedentary	-0.049	-0.129,0.031	-0.064	-0.140,0.012	-0.052	-0.107,0.003	-0.019	-0.073,0.035
	light	-0.005	-0.050,0.039	0.01	-0.035,0.054	0.026	-0.011,0.063	0.01	-0.026,0.046
	MVPA	0.060 **	0.020,0.101	0.059 **	0.021,0.097	0.033 *	0.002,0.064	0.013	-0.019,0.045
Fully-adjusted	sedentary	-0.141 ***	-0.192,-0.090	-0.142 ***	-0.194,-0.089	-0.131 ***	-0.180,-0.083	-0.122 ***	-0.169,-0.075
	light	0.063 ***	0.028,0.097	0.069 ***	0.035,0.103	0.079 ***	0.046,0.112	0.075 ***	0.043,0.106
	MVPA	0.072 ***	0.040,0.104	0.067 ***	0.037,0.097	0.051 ***	0.024,0.078	0.042 **	0.015,0.069
Minimally-adjusted	sedentary	-0.022	-0.080,0.035	-0.035	-0.090,0.020	-0.050	-0.102,0.001	-0.031	-0.078,0.016
	light	0.005	-0.030,0.039	0.012	-0.021,0.046	0.027	-0.008,0.062	0.017	-0.016,0.050
	MVPA	0.018	-0.017,0.053	0.023	-0.009,0.054	0.026	-0.005,0.057	0.013	-0.015,0.041

Model 1) Adjusted for age, season, Total Difficulties at age 7

Model 2) Adjusted for limiting illness, SEN, weight status, self-esteem, ethnicity, income, siblings, family structure, maternal education, maternal depression, maternal employment, BAS pattern construction, BAS reading

\*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$

† Standardised coefficient; number of standard deviations per unit of PA or sedentary time