

## Supplemental Information

**SUPPLEMENTAL TABLE 3** Accelerometry Compliance

Age, y	No. of Children Wearing Accelerometry for $\geq 3$ d	% of Children Wearing Accelerometry for $\geq 3$ d	Mean d Wearing Accelerometry	Average Daily Wear Time in Hours
6	690	99.5	6.68	14.58
8	607	99.2	6.62	14.79
10	630	100	6.81	14.90

There were no significant differences in depressive symptoms regarding accelerometry compliance.

**SUPPLEMENTAL TABLE 4** Complete Model Results

Outcomes	Symptoms of MDD			MVPA			Sedentary Activity		
	B	95% CI	P	B	95% CI	P	B	95% CI	P
Age 8 outcomes									
Symptoms of MDD, age 6	0.15	0.06 to 0.24	.01	0.03	−0.17 to 0.22	.83	0.05	−0.05 to 0.15	.43
MVPA, age 6	−0.04	−0.07 to −0.01	.04	0.43	0.32 to 0.54	<.001	−0.01	−0.7 to 0.06	.90
Sedentary activity, age 6	0.03	−0.03 to 0.08	.44	−0.05	−0.20 to 0.10	.59	0.37	0.26 to 0.47	<.001
Symptoms of anxiety disorders, age 6	0.04	−0.01 to 0.04	.19	−0.04	−0.11 to 0.03	.36	−0.03	−0.11 to 0.06	.59
Symptoms of ADHD, age 6	0.03	0.01 to 0.05	.04	0.03	−0.03 to 0.10	.41	−0.03	−0.06 to 0.00	.152
Symptoms of CD, age 6	0.05	−0.07 to 0.18	.48	0.03	−0.17 to 0.23	.48	0.11	−0.02 to 0.24	.169
Symptoms ODD, age 6	0.06	0.01 to 0.11	.19	0.00	−0.12 to 0.12	.07	0.01	−0.05 to 0.07	.75
BMI, age 6	0.00	−0.05 to 0.06	.99	−0.03	−0.10 to 0.04	.99	0.00	−0.05 to 0.05	.93
Age 10 outcomes									
Symptoms of MDD, age 8	0.17	0.08 to 0.25	.00	0.14	0.01 to 0.44	.08	−0.05	−0.15 to 0.06	.48
MVPA, age 8	−0.06	−0.10 to −0.02	.03	0.36	0.28 to 0.43	<.001	−0.06	−0.11 to −0.00	.09
Sedentary activity, age 8	0.02	−0.04 to 0.08	.59	0.02	−0.08 to 0.12	.75	0.20	0.10 to 0.30	.001
Symptoms of anxiety disorders, age 8	0.04	−0.03 to 0.11	.32	−0.10	−0.20 to −0.00	.09	0.06	−0.01 to 0.14	.18
Symptoms of ADHD, age 8	0.03	−0.01 to 0.06	.23	−0.03	−0.08 to 0.02	.32	−0.01	−0.04 to 0.03	.69
Symptoms of CD, age 8	0.08	−0.05 to 0.21	.29	0.12	−0.06 to 0.30	.27	−0.08	−0.22 to 0.07	.37
Symptoms ODD, age 8	0.03	−0.04 to 0.11	.47	0.02	−0.08 to 0.12	.71	−0.03	−0.10 to 0.04	.49
BMI, age 8	0.02	−0.01 to 0.16	.28	−0.09	−0.14 to −0.10	.001	−0.01	−0.05 to 0.03	.57