

Table S2. Age-stratified multivariable associations of 24-hour movement guideline adherence with myopia and poor vision.

Exposure	Myopia		Poor vision	
	aOR (95% CI)	<i>p</i> value	aOR (95% CI)	<i>p</i> value
Panel A. Children aged 6–13 years				
Individual guideline components				
Sleep duration	0.888 (0.743, 1.061)	0.191	0.830 (0.711, 0.969)	0.019
ST	0.580 (0.480, 0.699)	<0.001	0.817 (0.699, 0.955)	0.011
MVPA	0.788 (0.628, 0.993)	0.042	0.826 (0.677, 1.009)	0.061
Number of 24-hour movement guidelines met				
Per additional guideline met	0.745 (0.666, 0.832)	<0.001	0.828 (0.752, 0.911)	<0.001
Combinations of guidelines met				
None	Ref.		Ref.	
Sleep duration only	1.196 (0.843, 1.693)	0.313	0.826 (0.627, 1.086)	0.172
ST only	0.765 (0.554, 1.050)	0.100	0.848 (0.659, 1.089)	0.197
MVPA only	0.855 (0.483, 1.576)	0.602	1.001 (0.641, 1.583)	0.995
Sleep duration and ST	0.610 (0.450, 0.819)	0.001	0.711 (0.557, 0.906)	0.006
Sleep duration and MVPA	1.249 (0.594, 2.845)	0.575	0.746 (0.415, 1.350)	0.327
ST and MVPA	0.559 (0.352, 0.894)	0.014	0.631 (0.430, 0.926)	0.018
All three	0.484 (0.319, 0.734)	<0.001	0.554 (0.383, 0.802)	0.002
Panel B. Adolescents aged 14–17 years				
Individual guideline components				
Sleep duration	1.294 (0.622, 2.806)	0.498	0.729 (0.520, 1.022)	0.066
ST	0.997 (0.489, 2.106)	0.993	1.134 (0.809, 1.597)	0.468
MVPA	0.873 (0.409, 1.990)	0.733	0.961 (0.663, 1.404)	0.836
Number of 24-hour movement guidelines met				
Per additional guideline met	1.048 (0.683, 1.629)	0.832	0.925 (0.757, 1.131)	0.445
Combinations of guidelines met				
None	Ref.		Ref.	

Exposure	Myopia		Poor vision	
	aOR (95% CI)	<i>p</i> value	aOR (95% CI)	<i>p</i> value
Sleep duration only	1.145 (0.387, 3.827)	0.813	0.555 (0.339, 0.908)	0.019
ST only	1.024 (0.349, 3.395)	0.967	0.934 (0.551, 1.606)	0.803
MVPA only	0.951 (0.299, 3.630)	0.935	0.774 (0.433, 1.406)	0.393
Sleep duration and ST	1.255 (0.394, 4.794)	0.715	0.863 (0.500, 1.508)	0.601
Sleep duration and MVPA	1.166 (0.281, 7.949)	0.850	0.753 (0.376, 1.548)	0.430
ST and MVPA	0.617 (0.172, 2.934)	0.492	1.017 (0.463, 2.382)	0.967
All three	1.520 (0.256, 29.234)	0.702	0.682 (0.282, 1.707)	0.399

Adjusted for age, sex, BMI, parental myopia, parental education, and sugar-sweetened beverage intake. For individual guideline components, estimates compare meeting with not meeting the corresponding guideline. Ref. = reference group; ST = recreational screen time; MVPA = moderate-to-vigorous physical activity; aOR = adjusted odds ratio; CI = confidence interval.