

**Table S2.** Cross-sectional association between sports activity and pain prevalence by type of sport

	Number of students participating in <sup>a</sup>	P for linearity	PR (95% CI) per 1 hour/week of sports activity <sup>b</sup>
Track & field	59	0.02	<b>1.03 (1.01-1.07)</b>
Soft tennis	128	0.75	1.00 (0.98-1.02)
Table tennis	52	0.84	1.00 (0.95-1.04)
Badminton	74	0.07	1.02 (1.00-1.05)
Kendo	61	0.004	<b>1.04 (1.01-1.07)</b>
Baseball	238	<0.001	<b>1.03 (1.02-1.04)</b>
Softball	150	<0.001	<b>1.04 (1.02-1.05)</b>
Basketball	146	<0.001	<b>1.05 (1.03-1.06)</b>
Soccer	62	0.018	<b>1.03 (1.01-1.06)</b>
Volleyball	279	<0.001	<b>1.03 (1.02-1.04)</b>

CI, confidence interval; PR, prevalence ratio. Prevalence ratios were calculated with multiply imputed data. Each model included non-sports students (2078 records from 2008 and 2009 surveys) and students who participated in each type of sport. Other sports with small samples ( $n \leq 40$ ) were not analyzed.

<sup>a</sup>The sum of both years (2008 and 2009).

<sup>b</sup>Adjusted for sex, age, body mass index, sleep length, and screen time.