





Figure S1. Proportions of the participants in different physical activity level groups across the age categories.

Age at menarche	Number of participants	Proportion of participants	
9	2	0.2%	
10	15	1.4%	
11	113	10.5%	
12	261	24.1%	
13	377	34.9%	
14	192	17.8%	
15	81	7.5%	
16	30	2.8%	
17	8	0.7%	
18	1	0.1%	
19	1	0.1%	

Table S1. Age at menarche among participants (n = 1081).

Table S2. Proportion (*n*) of the participants reporting fractures, musculoskeletal disorders/symptoms, and anorexia nervosa diagnosis according to physical activity (PA) level at the age of 13–16.

	Competitive sport (n = 136)	Regular PA (<i>n</i> = 689)	No exercise (<i>n</i> = 163)	<i>p</i> -value
Fracture	17.6% (24)	15.5% (107)	17.2% (28)	0.761
Musculoskeletal disorder/symptom	43.4% (59)	37.4% (258)	31.9% (52)	0.123
Anorexia nervosa	0.7% (1)	0.6% (4)	0.0% (0)	0.641

Data are presented as percentages (frequencies).

Table S3. Proportion (*n*) of the participants reporting fractures, musculoskeletal disorders/symptoms, and anorexia nervosa diagnosis according to age at menarche (AAM) groups.

	$AAM \le 12 (n = 391)$	AAM = 13 (n = 377)	$AAM \ge 14 (n = 313)$	<i>p</i> -value
Fracture	16.6% (65)	17.2% (65)	14.4% (45)	0.571
Musculoskeletal disorder/symptom	36.6% (143)	37.9% (143)	38.0% (119)	0.901
Anorexia nervosa	0.0% (0) ^a	0.5% (2) ^b	1.3% (4)	0.069

Data are presented as percentages (frequencies). a n = 390; b n = 376.