

Supplementary Table S1 Comparison of life-style variables in participants with PARI or not by gender

Characteristics	Males (n=1790)			Females (n=3551)		
	PARI (n=469)	Non-PARI (n=1321)	$\chi^2/Z^*$	PARI (n=824)	Non-PARI (n=2727)	$\chi^2/Z^*$
	$\bar{x}\pm s$	$\bar{x}\pm s$		$\bar{x}\pm s$	$\bar{x}\pm s$	
Domestic/work/study						
VPA						
Frequency, day/week	1.29±1.75	0.84±1.44	4.971 <sup>3</sup>	0.58±1.26	0.38±1.03	4.271 <sup>3</sup>
Duration, min/day	24.83±46.12	14.82±34.09	4.305 <sup>3</sup>	11.85±36.14	5.80±17.31	4.652 <sup>3</sup>
MPA						
Frequency, day/week	2.10±1.96	1.72±1.95	3.630 <sup>3</sup>	1.66±1.93	1.32±1.82	4.522 <sup>3</sup>
Duration, min/day	31.54±42.39	20.51±29.17	5.213 <sup>3</sup>	24.74±48.56	16.42±33.47	4.602 <sup>3</sup>
Transportation						
Frequency, day/week	4.17±2.64	3.73±2.80	2.998 <sup>2</sup>	3.97±2.60	3.78±2.67	1.816
Duration, min/day	42.66±49.36	32.14±35.69	4.349 <sup>3</sup>	37.59±48.80	34.64±45.06	1.549
Sports and leisure-time						
VPA						
Frequency, day/week	1.56±1.70	0.89±1.52	7.448 <sup>3</sup>	0.71±1.40	0.53±1.20	3.401 <sup>3</sup>
Duration, min/day	34.24±40.90	16.65±31.36	8.471 <sup>3</sup>	13.42±29.23	9.73±22.61	3.330 <sup>3</sup>
MPA						
Frequency, day/week	1.89±1.95	1.41±1.89	4.640 <sup>3</sup>	1.52±1.92	1.16±1.74	4.914 <sup>3</sup>
Duration, min/day	28.95±32.39	18.28±27.95	6.344 <sup>3</sup>	22.96±39.77	16.55±27.89	4.313 <sup>3</sup>
Sleep duration, n (%)			4.055			13.345 <sup>1</sup>
<6 hours/day	33 (20.4)	129 (79.6)		61 (27.0)	165 (73.0)	
6 to <7 hours/day	93 (27.2)	249 (72.8)		145 (28.2)	370 (71.8)	
7 to <8 hours/day	184 (26.4)	513 (73.6)		305 (20.9)	1151 (79.1)	
8 to <9 hours/day	126 (27.9)	325 (72.1)		225 (22.8)	764 (77.2)	
≥9 hours/day	33 (24.1)	104 (75.9)		88 (24.1)	277 (75.9)	
Sedentary behavior, n (%)			18.567 <sup>2</sup>			7.094
<4 hours/day	173 (21.3)	638 (78.7)		269 (24.0)	853 (76.0)	
4 to <6 hours/day	42 (28.4)	106 (71.6)		72 (28.9)	177 (71.1)	
6 to <9 hours/day	40 (30.3)	92 (69.7)		71 (24.0)	225 (76.0)	
9 to <12 hours/day	62 (30.0)	145 (70.0)		89 (20.1)	354 (79.9)	
≥12 hours/day	152 (30.9)	340 (69.1)		323 (22.4)	1118 (77.6)	

\* Categorical variables (i.e., sleep duration and sedentary behaviour) were tested by Pearson chi-square tests, and continuous variables (except for sleep duration and sedentary behaviour) were tested by Mann-Whitney tests or independent-sample *t* tests (the frequency of transport-related PA); <sup>1</sup> *P*<0.05; <sup>2</sup> *P*<0.01; <sup>3</sup> *P*<0.001; PARI, physical activity-related injury; VPA, vigorous-intensity physical activity; MPA, moderate-intensity physical activity.