

Supplementary Table S3 Comparison of all related variables among university students in different cities

Characteristics	Shantou (n=2123) median, IQR	Jinan (n=1267) median, IQR	Xi'an (n=714) median, IQR	Nanchang (n=1237) median, IQR	χ^2/F^*
Domestic/work/study					
VPA					
Frequency, day/week	0 (0, 0)	0 (0, 1)	0 (0, 1)	0 (0, 1)	110.025 ³
Duration, min/day	0 (0, 0)	0 (0, 10)	0 (0, 20)	0 (0, 10)	87.325 ³
MPA					
Frequency, day/week	1 (0, 2)	1 (0, 3)	1 (0, 2)	0 (0, 3)	39.878 ³
Duration, min/day	10 (0, 30)	15 (0, 30)	10 (0, 30)	0 (0, 30)	28.091 ³
Transportation					
Frequency, day/week	5 (2, 7)	5 (2, 7)	2 (1, 5)	5 (0, 5)	63.323 ³
Duration, min/day	30 (10, 40)	30 (15, 50)	30 (15, 60)	30 (0, 45)	20.658 ³
Sports and leisure time					
VPA					
Frequency, day/week	0 (0, 1)	0 (0, 1)	0 (0, 1)	0 (0, 1)	31.724 ³
Duration, min/day	0 (0, 15)	0 (0, 30)	0 (0, 20)	0 (0, 10)	41.852 ²
MPA					
Frequency, day/week	0 (0, 2)	1 (0, 3)	1 (0, 2)	0 (0, 1)	112.709 ³
Duration, min/day	0 (0, 30)	20 (0, 30)	10 (0, 30)	0 (0, 10)	181.535 ³
	n (%)	n (%)	n (%)	n (%)	
Grade					515.974 ³
Year 1	698 (32.9)	453 (35.8)	432 (60.5)	791 (63.9)	
Year 2	691 (32.5)	443 (35.0)	180 (25.2)	344 (27.8)	
Year 3	734 (34.6)	371 (29.3)	102 (14.3)	102 (8.2)	
Gender					441.055 ³
Male	569 (26.8)	337 (26.6)	165 (23.1)	719 (58.1)	
Female	1554 (73.2)	930 (73.4)	549 (76.9)	518 (41.9)	
Residence type					204.376 ³
Dormitory	1511 (71.2)	1050 (82.9)	393 (55.0)	816 (66.0)	
Home	587 (27.6)	210 (16.6)	309 (43.3)	385 (31.1)	
Other	25 (1.2)	7 (0.6)	12 (1.7)	36 (2.9)	
Sports team member					16.045 ²
No	1861 (87.7)	1096 (86.5)	659 (92.3)	1098 (88.8)	
Yes	262 (12.3)	171 (13.5)	55 (7.7)	139 (11.2)	
Chronic disease/symptom					72.979 ³
No	2028 (95.5)	1226 (96.8)	681 (95.4)	1109 (89.7)	
Yes	95 (4.5)	41 (3.2)	33 (4.6)	128 (10.3)	
Sleep duration, n (%)					193.604 ¹
<6 hours/day	110 (5.2)	58 (4.6)	68 (9.5)	152 (12.3)	
6 to <7 hours/day	365 (17.2)	158 (12.5)	70 (9.8)	264 (21.3)	
7 to <8 hours/day	841 (39.6)	608 (48.0)	260 (36.4)	444 (35.9)	
8 to <9 hours/day	563 (26.5)	353 (27.9)	236 (33.1)	288 (23.3)	
≥9 hours/day	244 (11.5)	90 (7.0)	80 (11.2)	89 (7.2)	
Sedentary behavior, n (%)					748.383 ³
<4 hours/day	537 (25.3)	298 (23.5)	306 (42.9)	792 (64.0)	
4 to <6 hours/day	157 (7.4)	79 (6.2)	62 (8.7)	99 (8.0)	
6 to <9 hours/day	146 (6.9)	118 (9.3)	78 (10.9)	86 (7.0)	
9 to <12 hours/day	300 (14.1)	176 (13.9)	84 (11.8)	90 (7.3)	
≥12 hours/day	983 (46.3)	596 (47.0)	184 (25.8)	170 (13.7)	
Age ($\bar{x}\pm s$, years)	19.92±1.27	19.69±1.16	19.46±1.29	19.03±1.17	54.227 ³

* Categorical variables were tested by Pearson chi-square tests, and continuous variables were tested by one-way ANOVA tests (i.e., age and the frequency of transport-related PA) or Kruskal-Wallis tests (except for age and the frequency of transport-related PA); ¹ $P<0.05$; ² $P<0.01$; ³ $P<0.001$; PARI, physical activity-related injury; VPA, vigorous-intensity physical activity; MPA, moderate-intensity physical activity.