



Supplementary Files

Table S1. Type of sports practiced by the participants of the study according to Mitchell's classification (N=3434) [26].

III. High Static Component (>50%MVC)	Circus, Kitesurf/Windsurf/ Paddle, Paragliding/Skydiving, Martial Art, Gymnastic, Sailing, Sport climbing, N=302	Fitness/Bodybuilding (muscultation), Downhill bicycling, Skiing/Snowboarding/Tele mark, Skateboarding, Dancing, Fighting sport, N=785	Speed Skating, Bicycling, Boxing, Rowing, Kayaking, Triathlon, N=346
II. Moderate Static Component (20-50%MVC)	Motorcycling, Juggling, Archery, Auto racing/Karting, Diving, Horse riding (Equestrian), N=38	Running (sprint), Roller (Figure skating), Athletics, Parkour, Surfing, Dog sport, American football/Rugby, N=57	Radball, Fitness (cardio, endurance), Crossfit, Alpinism/Mountaineering/Ski touring, Fistball, Basketball, Lacrosse, Cross-country-skiing, Tchoukball, Water polo, Ice hockey, Swimming, Running, Kin-ball N=820
I. Low Static Component (<20%MVC)	Yoga/Pilatus, E-sport, Bowling/Curling /Petanque, Fishing, Billiards, Golf, Shooting sports, Darts, N=56	Paintball, Hornuss, Baseball, Table tennis, Fencing, Volleyball/Beach volley, Walking, N=140	Running (long distance), Squash, Orienteering, Tennis, Badminton, Unihockey/Fieldhockey /Street-hockey/Skater-hockey, Football (player, referee), N=890
	A. Low Dynamic Component (<40% Max O₂)	B. Moderate Dynamic Component (40-70% Max O₂)	C. High Dynamic Component (>70% Max O₂)

Table S2. Association between tobacco or nicotine use and A1 group of Mitchell's classification (vs other groups) [26].

	Unadjusted Model	P-value	Model 1	P-value	Model 2	P-value
	OR (95% CI)		OR (95% CI)		OR (95% CI)	
Cigarette smoking						
A2	0.81(0.35-1.87)	0.619	0.79(0.34-1.82)	0.576	0.66(0.26-1.68)	0.384
A3	0.56(0.31-1.00)	0.051	0.59(0.33-1.06)	0.076	0.45(0.24-0.84)	0.013
B1	0.53(0.28-1.01)	0.052	0.56(0.29-1.06)	0.073	0.52(0.26-1.05)	0.070
B2	0.53(0.24-1.14)	0.105	0.53(0.24-1.15)	0.110	0.38(0.16-0.90)	0.028
B3	0.68(0.39-1.17)	0.167	0.70(0.41-1.22)	0.208	0.61(0.33-1.10)	0.101
C1	0.62(0.36-1.07)	0.083	0.65(0.38-1.13)	0.125	0.61(0.33-1.10)	0.102
C2	0.53(0.31-0.92)	0.025	0.57(0.33-0.98)	0.043	0.53(0.29-0.97)	0.039

C3	0.48(0.27-0.85)	0.012	0.50(0.28-0.90)	0.020	0.41(0.22-0.78)	0.006
Snus use						
A2	1.58(0.51-4.94)	0.431	1.70(0.54-5.41)	0.366	1.73(0.54-5.53)	0.355
A3	1.04(0.44-2.45)	0.932	1.13(0.47-2.69)	0.786	1.05(0.44-2.53)	0.906
B1	0.66(0.24-1.76)	0.404	0.65(0.24-1.78)	0.405	0.66(0.24-1.81)	0.423
B2	2.28(0.84-6.17)	0.105	2.11(0.77-5.77)	0.147	2.12(0.77-5.86)	0.148
B3	1.01(0.45-2.29)	0.981	0.99(0.43-2.26)	0.979	0.95(0.41-2.18)	0.896
C1	1.41(0.63-3.17)	0.409	1.42(0.62-3.21)	0.407	1.41(0.62-3.22)	0.416
C2	1.43(0.63-3.22)	0.389	1.45(0.64-3.29)	0.379	1.45(0.64-3.32)	0.376
C3	1.10(0.47-2.57)	0.825	1.14(0.48-2.70)	0.758	1.12(0.47-2.65)	0.803
Snuff use						
A2	0.56(0.21-1.54)	0.265	0.58(0.21-1.63)	0.305	0.61(0.22-1.71)	0.348
A3	0.69(0.36-1.30)	0.249	0.74(0.38-1.42)	0.365	0.70(0.36-1.36)	0.291
B1	0.60(0.29-1.22)	0.158	0.59(0.28-1.22)	0.156	0.60(0.29-1.25)	0.174
B2	0.67(0.28-1.58)	0.356	0.59(0.25-1.41)	0.236	0.61(0.25-1.48)	0.272
B3	0.50(0.27-0.92)	0.026	0.48(0.26-0.89)	0.019	0.45(0.24-0.85)	0.014
C1	0.72(0.39-1.30)	0.274	0.70(0.38-1.30)	0.262	0.70(0.37-1.29)	0.251
C2	0.52(0.29-0.96)	0.037	0.51(0.28-0.96)	0.035	0.51(0.27-0.95)	0.034
C3	0.67(0.35-1.26)	0.214	0.69(0.36-1.31)	0.256	0.68(0.35-1.30)	0.240
Vaping						
A2	0.28(0.03-2.46)	0.248	0.25(0.03-2.28)	0.221	0.24(0.03-2.24)	0.211
A3	0.57(0.20-1.63)	0.294	0.60(0.21-1.72)	0.337	0.57(0.19-1.67)	0.303
B1	0.07(0.01-0.64)	0.018	0.08(0.01-0.68)	0.021	0.07(0.01-0.64)	0.018
B2	0.37(0.69-2.00)	0.248	0.42(0.08-2.28)	0.313	0.43(0.08-2.42)	0.341
B3	0.61(0.23-1.59)	0.310	0.64(0.24-1.70)	0.368	0.64(0.23-1.74)	0.381
C1	0.43(0.16-1.14)	0.090	0.46(0.17-1.23)	0.120	0.47(0.17-1.28)	0.139
C2	0.48(0.18-1.28)	0.143	0.51(0.19-1.38)	0.185	0.53(0.19-1.47)	0.224
C3	0.30(0.10-0.92)	0.036	0.33(0.11-1.00)	0.050	0.31(0.10-0.98)	0.046

Note. Model 1: Adjusted for sociodemographics and body mass index. Model 2: adjusted for sociodemographics, body mass index and substance use.

Table S3. Association between tobacco or nicotine use and low intensity of sport (vs medium and high intensity of sport).

	Unadjusted Model	P- value	Model 1	P- value	Model 2	P- value
	OR (95% CI)		OR (95% CI)		OR (95% CI)	
Cigarette smoking						
675-1350 MET/min*week	0.86(0.71-1.05)	0.139	0.88(0.72-1.07)	0.205	0.87(0.70-1.07)	0.196
>1350 MET/min*week	0.66(0.55-0.79)	<0.001	0.67(0.56-0.80)	<0.001	0.63(0.52-0.78)	<0.001
Snus use						
675-1350 MET/min*week	0.86(0.66-1.12)	0.268	0.85(0.65-1.11)	0.227	0.83(0.63-1.10)	0.193
>1350 MET/min*week	1.02(0.81-1.29)	0.862	1.04(0.82-1.32)	0.764	1.06(0.83-1.35)	0.660
Snuff use						
675-1350 MET/min*week	1.06(0.84-1.35)	0.608	1.05(1.83-1.34)	0.668	1.04(0.82-1.33)	0.738

>1350 MET/min*week	0.95(0.77- 1.18)	0.647	0.96(0.77- 1.20)	0.731	0.98(0.78- 1.23)	0.862
Vaping						
675-1350 MET/min*week	0.60(0.39- 0.95)	0.028	0.63(0.40- 0.99)	0.043	0.62(0.39- 0.99)	0.044
>1350 MET/min*week	0.71(0.49- 1.05)	0.085	0.70(0.47- 1.03)	0.068	0.72(0.48- 1.06)	0.095

Note. Model 1: Adjusted for sociodemographics and body mass index. Model 2: adjusted for sociodemographics, body mass index and substance use.

Figure S1. Association between type of sport (according to Mitchell's Classification) and tobacco and nicotine use (cigarette, snus, snuff, vaping) [26].

