

**Supplementary Table** Characteristics of 9889 athletes from 43 Olympic disciplines

<b>Discipline</b>	<b>No (%)</b>	<b>Cardiovascular intensity*</b>	<b>Static intensity*</b>	<b>Dynamic intensity*</b>	<b>Risk of bodily collision*</b>	<b>Physical contact†</b>
Alpine skiing	27 (0.3)	High	High	Moderate	Yes	High
Archery	66 (0.7)	Low	Moderate	Low	No	Low
Basketball	26 (0.3)	High	Moderate	High	Yes	High
Biathlon	8 (0.1)	Moderate	Low	High	No	Moderate
Bobsledding	91 (0.9)	Moderate	High	Low	Yes	Moderate
Boxing	277 (2.8)	High	High	High	Yes	High
Canoeing	28 (0.3)	High	High	High	No	Low
Cricket	14 (0.1)	Low	Low	Low	No	Moderate
Cross-country skiing	152 (1.5)	Moderate	Low	High	No	Moderate
Curling	12 (0.1)	Low	Low	Low	No	Low
Cycling	388 (3.9)	High	High	High	Yes	Moderate
Decathlon (athletics)	86 (0.9)	High	High	High	No	Moderate
Diving	157 (1.6)	Low	Moderate	Low	Yes	High
Equestrian	315 (3.2)	Low	Moderate	Low	Yes	Moderate
Fencing	561 (5.7)	Low	Low	Moderate	No	Moderate
Field hockey	159 (1.6)	Moderate	Low	High	Yes	High
Figure skating	90 (0.9)	Moderate	Moderate	Moderate	No	Moderate
Golf	65 (0.7)	Low	Low	Low	No	Low
Gymnastics	687 (6.9)	Moderate	High	Low	Yes	Low
Handball	21 (0.2)	High	Moderate	High	No	High
Ice hockey	202 (2.0)	High	Moderate	High	Yes	High
Jumping events (athletics)	343 (3.5)	Moderate	Moderate	Moderate	No	Moderate
Lacrosse	32 (0.3)	High	Moderate	High	Yes	High
Marathon (athletics)	203 (2.1)	Moderate	Low	High	No	Low
Middle/long-distance running (athletics)	614 (6.2)	High	Moderate	High	No	Low
Modern pentathlon	83 (0.8)	High	Moderate	High	No	Moderate
Nordic combined	39 (0.4)	Moderate	Low	High	No	Moderate
Polo	67 (0.7)	Low	Moderate	Low	Yes	Moderate

Race walking (athletics)	100 (1.0)	Moderate	Low	High	No	Low
Racquet	7 (0.1)	Moderate	Low	High	No	Moderate
Rowing	657 (6.6)	High	High	High	No	Low
Rugby	98 (1.0)	Moderate	Moderate	Moderate	Yes	High
Sailing	455 (4.6)	Moderate	High	Low	No	Low
Shooting	569 (5.8)	Low	Low	Low	No	Low
Skeleton	1 (0.0)	Moderate	High	Low	Yes	Moderate
Soccer	783 (7.9)	Moderate	Low	High	Yes	High
Speed skating	72 (0.7)	High	High	High	Yes	Moderate
Sprint (athletics)	719 (7.3)	Moderate	Moderate	Moderate	No	Low
Swimming	434 (4.4)	High	Moderate	High	No	Low
Tennis	245 (2.5)	Moderate	Low	High	No	Low
Throwing events (athletics)	316 (3.2)	Moderate	High	Low	No	Low
Weightlifting	133 (1.3)	Moderate	High	Low	Yes	Moderate
Wrestling	487 (4.9)	High	High	Moderate	Yes	High

\*According to the American College of Cardiology.<sup>26</sup>

†According to the American Academy of Pediatrics.<sup>27</sup>