

Appendix 6. Factors associated with shoulder pain in Olympians and general population control.

	Olympians		Controls	
	Prevalence n (%)	aOR (95% CI) adjusted a, s, b, i	Prevalence n (%)	aOR (95% CI) adjusted a, s, b, i
Age				
20-39	84/1194 (7.04)	1.00	54/776 (6.96)	1.00
40-59	113/1359 (8.31)	1.20 (0.88 to 1.63)	65/646 (10.06)	1.46 (0.99 to 2.17)
>60	37/580 (6.38)	0.96 (0.62 to 1.49)	17/212 (8.02)	1.09 (0.59 to 2.02)
Sex				
male	124/1840 (6.74)	1.00	61/723 (8.44)	1.00
female	121/1488 (8.13)	1.25 (0.93 to 1.68)	81/998 (8.12)	1.00 (0.99 to 1.02)
BMI				
normal	121/1774 (6.82)	1.00	84/981 (8.56)	1.00
overweight	77/1063 (7.24)	1.12 (0.81 to 1.57)	32/457 (7.00)	0.79 (0.51 to 1.24)
obese	37/342 (10.82)	1.73 (1.12 to 2.68)	17/190 (8.95)	1.24 (0.70 to 2.18)
Injury				
no	126/2827 (4.46)	1.00	86/1513 (5.68)	1.00
yes	120/530 (22.64)	6.04 (4.55 to 8.03)	56/222 (25.23)	5.36 (3.64 to 7.88)
Shoulder recurrent injury	84/259 (32.43)	2.56 (1.64 to 3.98)	34/98 (34.69)	2.25 (1.18 to 4.31)
Comorbidities				
none	136/2379 (5.72)	1.00	88/1263 (6.97)	1.00
1	74/696 (10.63)	1.77 (1.28 to 2.45)	33/336 (9.82)	1.53 (0.97 to 2.39)
2 or more	36/282 (12.77)	2.16 (1.38 to 3.37)	21/136 (15.44)	2.94 (1.67 to 5.19)

(Values are presented as count (n) and prevalence (%). aOR adjusted a, s, b, i = odds ratio adjusted for confounders age, sex, BMI and injury. BMI = body mass index. Bold denotes statistical significance.)