

**Appendix 5. Factors associated with hip 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
<b>Age</b>				
20-39	63/1194 (5.28)	1.00 (reference)	30/776 (3.87)	1.00 (reference)
40-59	80/1359 (5.89)	1.36 (0.04 to 1.96)	32/646 (4.95)	1.28 (0.75 to 2.20)
>60	37/580 (6.38)	1.78 (1.13 to 2.82)	15/212 (7.08)	1.94 (0.97 to 3.89)
<b>Sex</b>				
male	84/1840 (4.57)	1.00 (reference)	26/723 (3.6)	1.00 (reference)
female	102/1488 (6.85)	<b>1.65 (1.18 to 2.31)</b>	52/998 (5.21)	1.84 (1.10 to 3.08)
<b>BMI</b>				
normal	94/1774 (5.3)	1.00 (reference)	36/981 (3.67)	1.00 (reference)
overweight	65/1063 (6.11)	1.34 (0.93 to 1.93)	24/457 (5.25)	1.65 (0.95 to 2.86)
obese	19/342 (5.56)	1.26 (0.74 to 2.16)	11/190 (5.79)	1.51 (0.74 to 3.11)
<b>Hip injury</b>				
no	145/3221 (4.50)	1.00 (reference)	67/1674 (4.00)	1.00 (reference)
yes	42/136 (30.88)	<b>9.76 (6.39 to 14.93)</b>	12/61 (19.67)	<b>6.95 (3.39 to 14.24)</b>
<b>Comorbidities</b>				
none	109/2379 (4.58)	1.00 (reference)	42/1263 (3.33)	1.00 (reference)
1	55/696 (7.9)	<b>1.49 (1.03 to 2.15)</b>	21/336 (6.25)	<b>1.65 (0.92 to 2.96)</b>
2 or more	23/282 (8.16)	<b>1.71 (1.02 to 2.88)</b>	16/136 (11.76)	<b>3.53 (1.82 to 6.83)</b>

(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.)