

Supplementary Table 1. Proximal femur vBMD (mg/cm³) in controls, jumpers and pitchers

	Controls			Jumpers			Pitchers		
	Nondominant ^{a,b}	Dominant ^a	Abs. diff. (95% CI) ^c	Nondominant ^{a,b}	Dominant ^a	Abs. diff. (95% CI) ^c	Nondominant ^{a,b}	Dominant ^a	Abs. diff. (95% CI) ^c
Total									
Integral vBMD	349 ± 45 ^J	353 ± 46	4 (-1, 8)	384 ± 39 ^C	392 ± 41	8 (1, 15)*	358 ± 30	378 ± 30	20 (14, 26)†
Cortical vBMD	569 ± 40	573 ± 42	4 (-1, 9)	591 ± 30	601 ± 32	10 (2, 17)*	576 ± 37	593 ± 35	17 (11, 24)†
Trabecular vBMD	192 ± 35 ^J	193 ± 35	1 (-3, 6)	211 ± 30 ^C	212 ± 27	1 (-3, 5)	195 ± 21	206 ± 23	11 (4, 18)†
Femoral neck									
Integral vBMD	383 ± 45	385 ± 45	1 (-5, 8)	409 ± 41	425 ± 46	15 (3, 27)*	394 ± 33	412 ± 33	18 (11, 26)†
Cortical vBMD	567 ± 39	571 ± 44	4 (-7, 15)	587 ± 42	606 ± 46	19 (6, 31)†	586 ± 34	607 ± 38	21 (10, 32)†
Trabecular vBMD	209 ± 38 ^J	208 ± 41	-2 (-8, 5)	230 ± 36 ^C	231 ± 33	1 (-7, 8)	215 ± 21	221 ± 24	7 (-3, 16)
Trochanter									
Integral vBMD	347 ± 48 ^J	351 ± 49	4 (-1, 9)	387 ± 43 ^C	393 ± 43	6 (-2, 14)	356 ± 33	376 ± 33	20 (13, 27)†
Cortical vBMD	583 ± 46	587 ± 48	4 (-1, 9)	611 ± 32	620 ± 34	9 (1, 17)*	592 ± 44	608 ± 39	16 (8, 24)†
Trabecular vBMD	190 ± 36	192 ± 36	2 (-2, 6)	208 ± 30	210 ± 28	1 (-3, 6)	192 ± 23	204 ± 24	11 (4, 19)†

^a Data are mean ± SD, corrected for whole-body lean body mass

^b Differences in nondominant leg properties between groups were assessed using a one-way ANOVA followed by a Fisher's least square difference post-hoc test, with whole-body lean mass as a covariate. Capital letters indicate the non-dominant leg data differs significantly from controls (C), jumpers (J), and pitchers (P) (p<0.05).

^c Mean absolute differences between dominant and nondominant legs were assessed using single sample *t*-tests with a population mean of 0. Significance is indicated by: †p<0.05.