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Association between Height Loss and Fracture Risk

EnM

Variable	Aged 50–59 yr (<i>n</i> =606, 33.6%)	Aged 60–69 yr (<i>n</i> =767, 42.5%)	Aged \geq 70 yr (n =433, 24.0%)	P value
Height change for 6 years, cm	0.0 (-0.5 to 0.5)	-0.5 (-1.2 to 0.1)	-1.0 (-1.7 to -0.4)	< 0.001
Height, cm	154.5±5.3	151.3±5.3	148.5 ± 5.6	< 0.001
Weight, kg	58.7 (53.8 to 65.0)	56.7 (51.8 to 61.9)	53.5 (47.7 to 59.3)	< 0.001
Body mass index, kg/m ²	24.6 (22.8 to 26.8)	24.7 (22.7 to 26.8)	24.0 (21.8 to 26.4)	0.003
Speed-of-sound at midshaft tibia, m/sec	$3,890.8 \pm 140.7$	$3,766.8 \pm 150.4$	$3,735.2 \pm 149.0$	< 0.001
Any arthritis	49 (8.1)	121 (15.8)	77 (17.8)	< 0.001
High-sensitivity C-reactive protein, mg/L	0.6 (0.3 to 1.4)	0.8 (0.4 to 1.6)	0.9 (0.4 to 1.8)	< 0.001
Alcohol consumption more than 3 units/day	5 (0.8)	2 (0.3)	3 (0.7)	0.571
Smoking				0.001
Never	595 (98.5)	743 (97.0)	407 (94.4)	
Former	5 (0.8)	6 (0.8)	4 (0.9)	
Current	4 (0.7)	17 (2.2)	20 (4.6)	
FRAX (major osteoporotic fracture), %	3.3 (3.0 to 3.8)	5.7 (4.8 to 6.6)	8.2 (7.3 to 9.3)	< 0.001
FRAX (hip fracture), %	0.3 (0.2 to 0.4)	1.1 (0.8 to 1.6)	2.9 (2.1 to 3.7)	< 0.001
Previous fracture	38 (6.3)	65 (8.5)	34 (7.9)	0.301

Values are expressed as median (interquartile range), mean \pm standard deviation, or number (%).

FRAX, fracture risk assessment tool.