

Table S1: All subjects with previous fracture of the respective type excluded (n=2037 for Any fracture; n=2077 for Major osteoporotic fracture; n=2120 for Hip fracture). Hazard ratios of any fracture, major osteoporotic fracture, and hip fracture across osteosarcopenia groups.

		n	Number of events (% ¹)	HR (95% CI)
Any low-energy fracture	No sarcopenia, no osteoporosis	1559	278 (17.8)	1.0 (Reference)
	Probable sarcopenia only	217	53 (24.4)	1.27 (0.90 – 1.79)
	Osteoporosis only	168	67 (39.9)	1.88 (1.37 – 2.58)
	Osteosarcopenia	93	28 (30.1)	1.41 (0.83 – 2.40)
Major osteoporotic fracture	No sarcopenia, no osteoporosis	1582	182 (11.5)	1.0 (Reference)
	Probable sarcopenia only	222	37 (16.7)	1.04 (0.68 – 1.59)
	Osteoporosis only	173	57 (33.0)	1.94 (1.34 – 2.81)
	Osteosarcopenia	100	26 (26.0)	1.36 (0.77 – 2.42)
Hip fracture	No sarcopenia, no osteoporosis	1597	81 (5.1)	1.0 (Reference)
	Probable sarcopenia only	231	18 (7.8)	0.81 (0.43 – 1.51)
	Osteoporosis only	182	27 (14.8)	1.66 (0.94 – 2.91)
	Osteosarcopenia	110	15 (13.6)	0.94 (0.42 – 2.14)

Fine-Gray method adjusted for age, sex, smoking, education, physical activity and mobility limitation.

¹Percentage of subjects within the respective group who experienced the event of interest during follow-up

Table S2: Only low-energy fractures included (n=2142), as opposed to excluding high-energy fractures. Hazard ratios of any fracture, major osteoporotic fracture, and hip fracture across osteosarcopenia groups.

		n	Number of events (% ¹)	HR (95% CI)
Any low-energy fracture	No sarcopenia, no osteoporosis	1602	209 (13.0)	1.0 (Reference)
	Probable sarcopenia only	234	48 (20.5)	1.16 (0.79 - 1.69)
	Osteoporosis only	184	69 (37.5)	2.02 (1.43 - 2.85)
	Osteosarcopenia	122	32 (26.2)	1.33 (0.79 - 2.24)
Major osteoporotic fracture	No sarcopenia, no osteoporosis	1602	148 (9.2)	1.0 (Reference)
	Probable sarcopenia only	234	32 (13.7)	0.89 (0.55 - 1.43)
	Osteoporosis only	184	54 (29.3)	1.89 (1.26 - 2.85)
	Osteosarcopenia	122	28 (23.0)	1.27 (0.70 - 2.28)
Hip fracture	No sarcopenia, no osteoporosis	1602	75 (4.7)	1.0 (Reference)
	Probable sarcopenia only	234	16 (6.8)	0.72 (0.37 - 1.40)
	Osteoporosis only	184	25 (13.6)	1.64 (0.90 - 2.98)
	Osteosarcopenia	122	17 (13.9)	1.13 (0.51 - 2.51)

Fine-Gray method adjusted for age, sex, smoking, education, physical activity and mobility limitation.

¹Percentage of subjects within the respective group who experienced the event of interest during follow-up

Table S3: Follow-up period restricted to December 31st, 2010 (n=2142). Hazard ratios of any low-energy fracture, major osteoporotic fracture, hip fracture and death across osteosarcopenia groups.

		n	Number of events (% ¹)	HR (95% CI)
Any low-energy fracture	No sarcopenia, no osteoporosis	1602	159 (9.9)	1.0 (Reference)
	Probable sarcopenia only	234	47 (20.1)	1.48 (1.01 – 2.16)
	Osteoporosis only	184	49 (26.6)	1.93 (1.31 – 2.84)
	Osteosarcopenia	122	34 (27.9)	1.71 (1.01 – 2.90)
Major osteoporotic fracture	No sarcopenia, no osteoporosis	1602	91 (48.6)	1.0 (Reference)
	Probable sarcopenia only	234	30 (16.0)	1.36 (0.82 – 2.24)
	Osteoporosis only	184	37 (20.1)	2.04 (1.26 – 3.31)
	Osteosarcopenia	122	29 (23.8)	1.87 (1.02 – 3.46)
Hip fracture	No sarcopenia, no osteoporosis	1602	31 (1.9)	1.0 (Reference)
	Probable sarcopenia only	234	16 (6.8)	1.47 (0.68 – 3.15)
	Osteoporosis only	184	16 (8.7)	2.38 (1.08 – 5.26)
	Osteosarcopenia	122	16 (13.1)	1.74 (0.67 – 4.50)
Death	No sarcopenia, no osteoporosis	1602	299 (18.7)	1.0 (Reference)
	Probable sarcopenia only	234	136 (58.1)	1.51 (1.17 – 1.96)
	Osteoporosis only	184	69 (37.5)	1.46 (1.08 – 1.99)
	Osteosarcopenia	122	100 (82.0)	2.21 (1.62 – 3.03)

Fractures: Fine-Gray method adjusted for age, sex, smoking, education, physical activity and mobility limitation.
Death: Cox Proportional Hazards method adjusted for age, sex, smoking, education, physical activity and mobility limitation. ¹Percentage of subjects within the respective group who experienced the event of interest during follow-up