

Supplementary material has been published as submitted. It has not been copyedited or typeset by Acta Oncologica.

Supplementary table. Hazard ratios (HRs) for incident prostate cancer according to pre-diagnostic body mass index (BMI) stratified by age groups (tertiles) at entry. The PROCA *life* Study.

	<40 years of age			40-50 years of age			>50 years of age		
	Model 1 ^a		Model 2 ^b	Model 1 ^a		Model 2 ^b	Model 1 ^a		Model 2 ^b
	HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)	
BMI entry (kg/m²)	<i>N</i> = ^c			<i>N</i> = ^c			<i>N</i> = ^c		
<25.0	28/2195	1 (Reference)	1 (Reference)	141/1799	1 (Reference)	1 (Reference)	196/1627	1 (Reference)	1 (Reference)
25.0-<30	24/1509	1.15 (0.66-1.98)	1.14 (0.66-1.97)	158/1944	0.95 (0.76-1.20)	0.95 (0.76-1.20)	215/2095	0.80 (0.66-0.97)	0.79 (0.65-0.96)
≥ 30	3/282	0.83 (0.25-2.73)	0.85 (0.26-2.82)	35/432	0.99 (0.68-1.43)	0.99 (0.68-1.44)	48/476	0.86 (0.63-1.19)	0.85 (0.62-1.18)
<i>P trend</i>		0.911	0.903		0.793	0.815		0.082	0.068
BMI Continuous									
<i>Per SD</i> ^d		1.10 (0.81-1.49)	1.10 (0.81-1.50)		0.97 (0.86-1.10)	0.97 (0.85-1.09)		0.93 (0.84-1.04)	0.93 (0.83-1.04)

^a Adjusted for age.

^b Adjusted for smoking, physical activity, education level, and alcohol at the same time of baseline.

^c Number of incident prostate cancer cases

^d Standard deviation for BMI was calculated to 4 kg/m²

