

Supplementary Table 1. Characteristics of the men according to frailty groups.

	Frailty classification			p-values		
	Non-frail	Pre-frail	Frail	Non-frail vs. pre-frail	Non-frail vs. frail	Trend across groups
N (%)	496 (37.5)	686 (51.8)	142 (10.7)			
Old age characteristics assessed in the year 2000 (n=1324)						
Age in years, mean (SD)	72.4 (3.9)	73.7 (4.0)	74.7 (4.4)	<0.001	<0.001	<0.001
Cardiovascular disease, N (%)	272 (55.2)	411 (59.9)	107 (75.4)	0.105	<0.001	<0.001
Diabetes, N (%)	33 (6.7)	60 (8.7)	20 (14.1)	0.257	0.003	0.019
Smoking status, N (%) (n=1322)				0.008	0.066	<0.001
Current smoker	23 (4.6)	65 (9.5)	18 (12.7)			
Quit smoking	245 (49.5)	401 (58.5)	73 (51.4)			
Never smoked	227 (45.9)	219 (32.0)	51 (35.9)			
Alcohol consumption, N (%) (n=1040)				0.544	0.002	0.014
None	51 (12.8)	76 (14.2)	26 (24.3)			
Light	175 (44.0)	235 (43.9)	38 (35.5)			
Moderate	101 (25.4)	117 (21.9)	16 (15.0)			
High	71 (17.8)	107 (20.0)	27 (25.2)			

Note. SD=standard deviation.

Supplementary Table 2. Odds ratios and 95% confidence intervals of pre-frailty and frailty compared to non-frailty according to age at retirement separately each retirement type.

	Pre-frailty OR (95%CI)		Frailty OR (95%CI)	
	Model 1 ^a	Model 2 ^b	Model 1 ^a	Model 2 ^b
Old age retirement				
Retirement age in years	1.02 (0.97, 1.08)	1.02 (0.65, 1.09)	1.04 (0.94, 1.14)	0.99 (0.89, 1.11)
Early old age retirement				
Retirement age in years	0.96 (0.89, 1.04)	0.93 (0.85, 1.01)	0.88 (0.79, 0.98)*	0.87 (0.76, 0.98)*
Pension benefit package				
Retirement age in years	0.98 (0.91, 1.06)	1.02 (0.93, 1.12)	0.95 (0.82, 1.11)	1.02 (0.85, 1.22)
Unemployment retirement				
Retirement age in years	0.94 (0.83, 1.07)	0.91 (0.79, 1.05)	0.88 (0.71, 1.09)	0.86 (0.68, 1.09)
Disability retirement				
Retirement age in years	0.92 (0.84, 1.01)	0.94 (0.84, 1.05)	0.90 (0.81, 1.01)	0.91 (0.79, 1.05)

Note. OR=odds ratio; CI=confidence interval.

^aModel 1 adjusted for age in the year 2000 (age-at-measuring frailty).

^bModel 2 adjusted additionally for smoking, alcohol consumption, cardiovascular disease and diabetes.

***=p<0.001; **=p<0.01; *=p<0.05.