

**Supplementary Table 1.** OR of retirement from blue-collar jobs by chronic disease and education level

	High education level		Low education level		<i>p</i> for interaction
	OR	95% CI	OR	95% CI	
Chronic disease					
Yes	1.18	0.60–2.32	1.46	1.09–1.96	0.639
Severity of chronic disease					
Severe <sup>a</sup>	2.52	0.72–8.79	2.08	1.04–4.19	0.740
Non-severe	0.95	0.45–2.01	1.39	1.03–1.88	0.398
Specific chronic disease					
Cerebrovascular related	1.44	0.70–2.96	1.37	0.99–1.89	0.824
Musculoskeletal	0.69	0.18–2.67	1.76	1.06–2.92	0.214
Psychiatric	<0.001	<0.001–>999.99	4.14	1.59–12.24	0.985
Gastrointestinal	0.47	0.06–3.82	1.17	0.49–2.78	0.450
Other	2.82	0.85–9.37	3.18	1.60–6.33	0.875

The model was adjusted for age, sex, marital status, socioeconomic status and whether one does exercise, drinking and smoking. Blue-collar jobs are defined as occupations classified within job codes 7011 to 9050 in the Korean Employment Classification of Occupation.

OR: odds ratio; CI: confidence interval.

<sup>a</sup>Severe chronic disease is heart disease, kidney disease, and cancer, which are designated “severe and intractable diseases” by the Ministry of Health and Welfare of Korea.