

**S2 Table.** Risk of dementia evaluated using Cox proportional hazard models in the sensitivity analysis

	Before matching				After matching			
	Univariable analysis		Multivariable analysis		Univariable analysis		Multivariable analysis	
	HR (95% CI)	p-value	HR (95% CI)	p-value	HRs (95% CI)	p-value	HR (95% CI)	p-value
Cataract group		< 0.001		<0.001		< 0.001		< 0.001
Without breast cancer	1		1		1		1	
With breast cancer	0.113 (0.076-0.170)		0.138 (0.092-0.206)		0.176 (0.113-0.274)		0.167 (0.107-0.259)	
Diabetes		0.509				0.763		
No	1		N/A		1		N/A	
Yes	1.023 (0.957-1.094)				1.055 (0.744-1.498)			
Hypertension		< 0.001		0.213		0.045		0.452
No	1		1		1		1	
Yes	1.181 (1.105-1.262)		1.044 (0.976-1.117)		1.440 (1.008-2.057)		1.149 (0.801-1.648)	
Hyperlipidemia		0.006		0.856		0.311		
No	1		1		1		N/A	
Yes	0.906 (0.845-0.972)		0.993 (0.925-1.067)		1.199 (0.844-1.704)			
COPD		0.007		0.477		0.257		
No	1		1		1		N/A	
Yes	1.176 (1.045-1.323)		1.044 (0.927-1.175)		1.429 (0.771-2.648)			
CKD		0.672						
No	1		N/A		N/A		N/A	
Yes	0.932 (0.675-1.288)							
LC		0.491						
No	1		N/A		N/A		N/A	
Yes	0.863 (0.568-1.312)							
Heart failure		0.747				0.851		
No	1		N/A		1		N/A	
Yes	0.978 (0.853-1.120)				0.934 (0.457-1.908)			
Age	1.049 (1.045-1.053)	< 0.001	1.046 (1.042-1.051)	<0.001	1.060 (1.039-1.082)	< 0.001	1.063 (1.042-1.085)	< 0.001

CI, confidence intervals; COPD, chronic obstructive pulmonary disease; CKD, chronic kidney disease; HR, hazard ratios; LC, liver cirrhosis; N/A, not available.