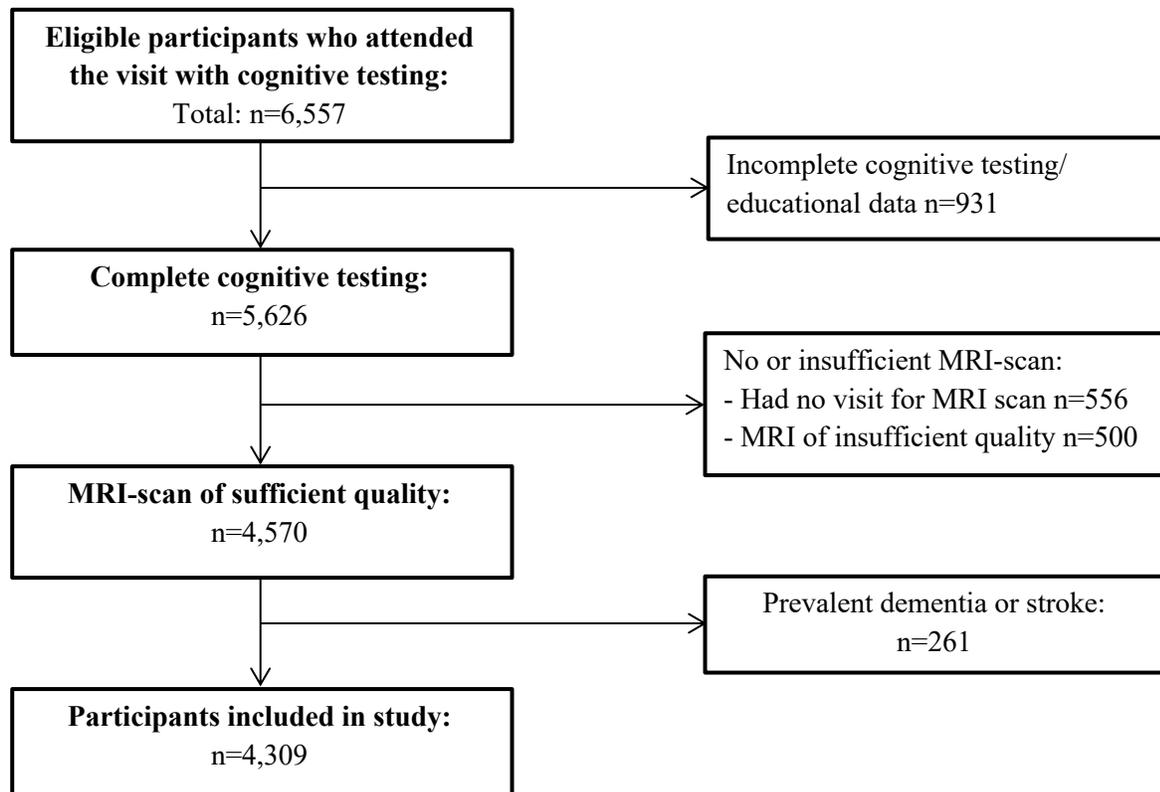


Supplementary Material

Sociodemographic, Lifestyle, Physical, and Psychosocial Determinants of Cognitive Reserve

Supplementary Figure 1. Flow diagram of the inclusion process



Supplementary Table 1. Associations of demographic, lifestyle, physical health, and psychosocial determinants with cognitive reserve, stratified for *APOE* ε4 carriership (n=4,011; non-carrier n=2,866, carrier n=1,145)

Domain and characteristic	Model: Carrier Mean dif. (95%CI)	Model: Non-carrier Mean dif. (95%CI)	p-product term
<i>Demographics</i>			
Marital status			
- Married/living together	Ref	Ref	
- Widowed or divorced	-0.45 (-0.81; -0.08)	0.11 (-0.12; 0.34)	
- Never married	-0.67 (-1.12; -0.21)	-0.04 (-0.35; 0.27)	0.389
Living alone	0.31 (-0.06; 0.69)	-0.18 (-0.41; 0.07)	
Paid employment status			
- Employed	Ref	Ref	
- Retired	0.20 (-0.06; 0.47)	0.05 (-0.11; 0.22)	
- No paid employment	-0.21 (-0.46; 0.03)	-0.14 (-0.30; 0.02)	
<i>Lifestyle</i>			
BMI, per SD	0.02 (-0.06; 0.10)	-0.06 (-0.11; -0.01)	
Smoking			
- Never	Ref	Ref	
- Former	0.07 (-0.11; 0.25)	0.07 (-0.03; 0.18)	
- Current	-0.36 (-0.60; -0.13)	-0.28 (-0.43; -0.14)	0.822
Alcohol, per SD	0.12 (0.04; 0.20)	0.04 (-0.01; 0.10)	0.208
Diet Quality Score, per SD	0.07 (-0.02; 0.15)	-0.02 (-0.08; 0.03)	
Physical activity, per SD	-0.05 (-0.14; 0.03)	0.00 (-0.05; 0.05)	
<i>Physical health</i>			
Hypertension	-0.08 (-0.26; 0.09)	0.00 (-0.11; 0.11)	
Diabetes mellitus	-0.33 (-0.65; -0.01)	-0.22 (-0.40; -0.05)	
Cardiovascular disease	-0.20 (-0.56; 0.16)	0.03 (-0.18; 0.24)	
Cancer	-0.21 (-0.72; 0.30)	-0.22 (-0.45; 0.01)	
COPD	-0.00 (-0.24; 0.23)	-0.19 (-0.35; -0.03)	
<i>Psychosocial health</i>			
Depressive symptoms, per SD	-0.04 (-0.12; 0.04)	-0.08 (-0.14; -0.02)	
Sleep quality, per SD	-0.03 (-0.12; 0.05)	-0.02 (-0.07; 0.03)	
Quality of life, per SD	0.05 (-0.05; 0.14)	0.02 (-0.03; 0.07)	
Models are adjusted for all variables			
Estimates in bold =significant after false discovery rate adjustment			
p, p-value for the product term tested in the not-stratified model, *p<0.05			