Table S3. Baseline characteristics of participants across different patterns of long-term cognitive function

Variable	Total (n=7,548)	Low cognitive function (n=1,254)	Medium cognitive function (n=3,439)	Normal cognitive function (n=2,855)	p-value
Age (y)	63.50±6.63	66.33±7.63	63.59±6.56	62.16±5.80	0.624
Sex					<0.001
Male	4,178 (55.35)	495 (39.47)	1,908 (55.48)	1,775 (62.17)	
Female	3,370 (44.65)	759 (60.53)	1,531 (44.52)	1,080 (37.83)	
Residential areas					<0.001
Urban	2,942 (38.98)	339 (27.03)	1,129 (32.83)	1,474 (51.63)	
Rural	4,606 (61.02)	915 (72.97)	2,310 (67.17)	1,381 (48.37)	
Education levels					<0.001
Illiterate	2,053 (27.20)	825 (65.79)	1,038 (30.18)	190 (6.65)	
Primary school	3,659 (48.48)	402 (32.06)	1,899 (55.22)	1,358 (47.57)	
Middle school	1,213 (16.07)	24 (1.91)	386 (11.22)	803 (28.13)	
High school/vocational high school	493 (6.53)	3 (0.24)	101 (2.94)	389 (13.63)	
Junior college or above	130 (1.72)	0 (0.00)	15 (0.44)	115 (4.03)	
Household incomes (CNY)					<0.001
<1,000	3,027 (40.10)	504 (40.19)	1,403 (40.80)	1,120 (39.23)	
1,000–4,999	1,135 (15.04)	280 (22.33)	584 (16.98)	271 (9.49)	
5,000–9,999	574 (7.60)	103 (8.21)	297 (8.64)	174 (6.09)	
10,000–19,999	770 (10.20)	126 (10.05)	363 (10.56)	281 (9.84)	
≥20,000	2,042 (27.05)	241 (19.22)	792 (23.03)	1,009 (35.34)	
Marital status					<0.001
Married	5,981 (79.24)	858 (68.42)	2,721 (79.12)	2,402 (84.13)	
Separated	233 (3.09)	37 (2.95)	106 (3.08)	90 (3.15)	
Unmarried/divorced/widowed	1,334 (17.67)	359 (28.63)	612 (17.80)	363 (12.71)	
Ever/current smoke					<0.001
No	3,664 (48.56)	731 (58.29)	1,637 (47.61)	1,296 (45.43)	
Yes	2,207 (29.25)	314 (25.04)	1,048 (30.48)	845 (29.62)	

Ever Smoke	1,674 (22.19)	209 (16.67)	753 (21.90)	712 (24.96)	
Ever/current alcohol					<0.001
No	3,842 (50.90)	743 (59.25)	1,759 (51.15)	1,340 (46.94)	
Yes	2,534 (33.57)	296 (23.60)	1,131 (32.89)	1,107 (38.77)	
Ever alcohol	1,172 (15.53)	215 (17.15)	549 (15.96)	408 (14.29)	
Daily sleep times (hr)	6.50 (5.38–7.33)	6.33 (5.25–7.25)	6.50 (5.33–7.33)	6.50 (5.50–7.38)	0.073
Comorbidities					
Cancer	56 (0.74)	4 (0.32)	23 (0.67)	29 (1.02)	0.045
Chronic lung disease	917 (12.16)	169 (13.49)	453 (13.18)	295 (10.35)	0.001
Cardiovascular diseases	1,190 (15.78)	154 (12.30)	522 (15.18)	514 (18.02)	<0.001
Stroke	200 (2.65)	34 (2.72)	95 (2.76)	71 (2.49)	0.789
Arthritis	2,728 (36.17)	512 (40.89)	1,315 (38.25)	901 (31.59)	<0.001
Dyslipidemia	826 (10.96)	93 (7.43)	340 (9.90)	393 (13.78)	<0.001
Hepatic diseases	248 (3.29)	41 (3.27)	100 (2.91)	107 (3.75)	0.176
Kidney diseases	419 (5.56)	68 (5.44)	174 (5.06)	177 (6.21)	0.137
Digestive system diseases	1,674 (22.20)	275 (21.98)	805 (23.41)	594 (20.83)	0.049
Asthma	822 (13.15)	151 (14.94)	384 (13.39)	287 (12.10)	0.072
Hypertension	2,453 (32.52)	412 (32.91)	1,104 (32.12)	937 (32.84)	0.791
Diabetes	689 (9.23)	99 (7.99)	284 (8.34)	306 (10.85)	0.001
BMI (kg/m^2)	23.32 (21.09–25.88)	22.83 (20.63–25.19)	23.09 (20.90–25.63)	23.81 (21.52–26.21)	<0.001

Values are presented as mean±standard deviation, median (interquartile range), or number (%).

MCI, mild cognitive impairment; MMSE, Mini Mental State Examination; BMI, body mass index; CNY, Chinese yuan.