

Table 1. General characteristics of participants

Characteristics	Total				Rural				Urban			
	Normal cognition	Cognitive impairment	X^2	P	Normal cognition	Cognitive impairment	X^2	P	Normal cognition	Cognitive impairment	X^2	P
Gender			1.804	0.179			0.147	0.702			1.829	0.176
Male	1577 (46.2%)	589 (44.1%)			389 (45.8%)	212 (44.7%)			1188 (46.3%)	377 (43.7%)		
Female	1833 (53.7%)	747 (55.9%)			460 (54.1%)	262 (55.2%)			1373 (53.6%)	485 (56.2%)		
Age (years)			221.401	<0.001**			27.207	<0.001**			198.760	<0.001**
65-69	1672 (49.0%)	409 (30.6%)			343 (40.4%)	133 (28.0%)			1329 (51.8%)	276 (32.0%)		
70-74	1038 (30.4%)	413 (30.9%)			287 (33.8%)	166 (35.0%)			751 (29.3%)	247 (28.6%)		
75-79	441 (12.9%)	255 (19.0%)			137 (16.1%)	99 (20.8%)			304 (11.8%)	156 (18.0%)		
≥80	259 (25.9%)	259 (19.3%)			82 (9.6%)	76 (16.0%)			177 (6.9%)	183 (21.2%)		
Marital status			66.648	<0.001**			3.756	0.053			56.078	<0.001**
Married	2851 (83.6%)	978 (73.2%)			559 (70.5%)	310 (65.4%)			2252 (87.9%)	668 (77.4%)		
Education level			84.737	<0.001**			2.906	0.235			82.345	<0.001**

Primary school or below	941 (27.5%)	553 (41.4%)			687 (80.9%)	365 (77.0%)			254 (9.9%)	188 (21.8%)		
Middle school	1767 (51.8%)	558 (41.7%)			149 (17.5%)	101 (21.3%)			1618 (63.1%)	457 (53.0%)		
University or above	702 (20.5%)	225 (16.9%)			13 (1.5%)	8 (1.6%)			689 (26.9%)	217 (25.1%)		
Smoking history (yes)	990 (29.0%)	356 (26.6%)	2.689	0.053	258 (30.3%)	155 (32.7%)	0.757	0.384	732 (28.5%)	201 (23.3%)	9.016	0.003**
Drinking history (yes)	793 (23.2%)	282 (21.1%)	2.526	0.112	225 (26.5%)	127 (26.7%)	0.013	0.908	568 (22.1%)	155 (17.9%)	6.820	0.009**
Physical exercise (yes)	2913 (85.4%)	1059 (79.2%)	26.67 6	<0.00 1**	631 (74.3%)	333 (70.2%)	2.548	0.111	2282 (89.1%)	726 (84.2%)	12.43 4	<0.00 1**
Cognitive activity (yes)	2263 (66.3%)	717 (53.6%)	66.22 4	<0.00 1**	334 (39.3%)	174 (36.7%)	0.891	0.345	1929 (75.3%)	543 (62.9%)	48.86 0	<0.00 1**
Eating animal fat (yes)	1558 (45.6%)	498 (37.2%)	27.67 5	<0.00 1**	279 (32.8%)	153 (32.2%)	0.047	0.828	1279 (49.9%)	345 (40.0%)	25.44 3	<0.00 1**
Hypertension (yes)	2207 (64.7%)	927 (69.3%)	9.313	0.002**	584 (68.7%)	336 (70.8%)	0.633	0.426	1623 (63.3%)	591 (68.5%)	7.598	0.006**
Diabetes (yes)	549 (16.0%)	258 (19.3%)	7.016	0.008**	101 (11.8%)	63 (13.7%)	0.915	0.339	448 (17.4%)	193 (22.3)	10.16 0	0.001**
TC			0.130	0.719			0.327	0.567			0.971	0.324

High TC	1265 (37.1%)	502 (37.5%)			309 (36.3%)	164 (34.5%)			956 (37.3%)	338 (39.2%)	
TG			6.420	0.011 *			1.020	0.313		3.180	0.075
High TG	1098 (32.1%)	379 (28.3%)			227 (26.7%)	114 (24.0)			871 (34.0%)	265 (30.7%)	
LDL-C			0.105	0.746			0.375	0.540		0.309	0.578
High LDL-C	798 (23.4%)	296 (22.1%)			104 (12.2%)	54 (11.3%)			694 (27.0%)	242 (28.0%)	
HDL-C			0.122	0.186			0.333	0.564		0.001	0.994
Low HDL-C	617 (18.0%)	204 (15.2%)			74 (8.7%)	39 (8.2%)			282 (11.0%)	95 (11.0%)	
