SUPPLEMENTARY TABLES

Supplementary Table 1. Distributions of variables of included participants compared to results from datasets excluding participants due to lack of follow-up.

Characteristics	Participants included (n =12,331)	Participants excluded due to lack of follow-up (n =11,048)
Age, mean (SD), years	89.52 (7.0)	92.93 (7.2)
Women	6946 (56.3)	6332 (57.3)
Residence	` '	,
Urban	4923 (39.9)	4298 (38.9)
Rural	7408 (60.1)	6750 (61.1)
Co-residence status	` ,	,
Living alone	2039 (16.5)	1863 (16.9)
Living with others	10,292 (83.5)	9185 (83.1)
Marital status	, , ,	,
Married	2858 (23.2)	1690 (15.3)
Not married	9473 (76.8)	9358 (84.7)
Educational level, years	` ,	,
0	8102 (65.7)	7676 (69.9)
≥ 1	4229 (34.3)	3313 (30.1)
BMI, kg/m^2	` ,	,
< 18.5	5491 (44.5)	4699 (51.1)
18.5-23.9	5292 (42.9)	3659 (39.8)
≥ 24.0	1548 (12.6)	840 (9.1)
Smoking status	` ,	, ,
Current smoker	2293 (18.6)	1912 (17.3)
Former smoker	1685 (13.7)	1534 (13.9)
Nonsmoker	8353 (67.7)	7595 (68.8)
Alcohol status	` ,	,
Current drinker	2775 (22.5)	2265 (20.5)
Former drinker	1166 (9.5)	1163 (10.5)
Nondrinker	8390 (68.0)	7610 (68.9)
Frequent fresh vegetable consumption	4140 (33.6)	4352 (39.4)
Frequent fresh fruit consumption	10,893 (88.3)	9831 (89.0)
Physical exercise	6613 (53.7)	6888 (62.4)
Depression symptoms	510 (4.5)	795 (7.2)
Cognitive impairment	1677 (13.7)	2191 (22.5)
Hypertension	5087 (41.2)	4832 (45.8)
Diabetes mellitus	119 (1.0)	130 (1.2)
Respiratory disease	1252 (10.1)	1225 (11.1)
Stroke	294 (2.4)	264 (2.4)
Heart disease	759 (6.2)	666 (6.1)

ADL: activities of daily living; SD: standard deviation; BMI: body mass index. Data are presented as n (percent) unless otherwise indicated.

Supplementary Table 2. Association between leisure activities and disability in activities of daily living additionally adjusted for time of recruitment.

T	Disability in activities of daily living		
Leisure activity	HR (95% CI) ^a	P	
Watching TV or listening to the radio			
Never	1.00 (reference)	-	
Sometimes	0.82 (0.75-0.89)	< 0.001	
Almost every day	0.82 (0.75-0.90)	< 0.001	
Reading books or newspapers			
Never	1.00 (reference)	-	
Sometimes	0.88 (0.76-1.01)	0.072	
Almost every day	0.83 (0.72-0.96)	0.014	
Gardening			
Never	1.00 (reference)	-	
Sometimes	0.71 (0.64-0.80)	< 0.001	
Almost every day	0.66 (0.60-0.74)	< 0.001	
Playing cards or mah-jong			
Never	1.00 (reference)	-	
Sometimes	0.89 (0.79-1.01)	0.672	
Almost every day	0.91 (0.77-1.07)	0.236	
Keeping domestic animals or pets			
Never	1.00 (reference)	-	
Sometimes	1.00 (0.87-1.16)	0.972	
Almost every day	0.86 (0.75-0.98)	0.293	
Attending religious activities			
Never	1.00 (reference)	-	
Sometimes	0.90 (0.80-1.00)	0.051	
Almost every day	0.90 (0.77-1.07)	0.236	
Number of leisure activities			
0	1.00 (reference)	-	
1	0.72 (0.66-0.79)	< 0.001	
2	0.63 (0.57-0.69)	< 0.001	
3	0.50 (0.44-0.57)	< 0.001	
4+	0.46 (0.39-0.54)	< 0.001	
P for trend		< 0.001	

HR: hazard ratio; CI: confidence interval

^a Adjusted for age and sex, residence, co-residence status, marital status, educational level, body mass index, smoking status, alcohol status, frequent fresh vegetable consumption, frequent fresh fruit consumption, physical exercise, hypertension, diabetes mellitus, respiratory disease, stroke, heart disease, depression symptoms, cognitive impairment, and participation in other leisure activities.

Supplementary Table 3. Association between leisure activities and disability in activities of daily living excluding participants with missing data for the covariates.

T	Disability in activities of daily living		
Leisure activity	HR (95% CI) ^a	P	
Watching TV or listening to the radio			
Never	1.00 (reference)	-	
Sometimes	0.80 (0.73-0.87)	< 0.001	
Almost every day	0.74 (0.68-0.81)	< 0.001	
Reading books or newspapers			
Never	1.00 (reference)	-	
Sometimes	0.89 (0.77-1.04)	0.141	
Almost every day	0.86 (0.75-1.00)	0.049	
Gardening			
Never	1.00 (reference)	-	
Sometimes	0.75 (0.67-0.84)	< 0.001	
Almost every day	0.64 (0.58-0.72)	< 0.001	
Playing cards or mah-jong			
Never	1.00 (reference)	-	
Sometimes	0.85 (0.75-0.96)	0.010	
Almost every day	0.85 (0.72-1.00)	0.046	
Keeping domestic animals or pets			
Never	1.00 (reference)	-	
Sometimes	1.05 (0.90-1.21)	0.538	
Almost every day	0.85 (0.73-0.98)	0.141	
Attending religious activities			
Never	1.00 (reference)	-	
Sometimes	0.94 (0.84-1.05)	0.293	
Almost every day	0.89 (0.74-1.08)	0.235	
Number of leisure activities			
0	1.00 (reference)	-	
1	0.72 (0.66-0.79)	< 0.001	
2	0.63 (0.57-0.69)	< 0.001	
3	0.50 (0.44-0.57)	< 0.001	
4+	0.46 (0.39-0.54)	< 0.001	
<i>P</i> for trend	,	< 0.001	

HR: hazard ratio; CI: confidence interval

^a Adjusted for age and sex, residence, co-residence status, marital status, educational level, body mass index, smoking status, alcohol status, frequent fresh vegetables consumption, frequent fresh fruit consumption, physical exercise, hypertension, diabetes mellitus, respiratory disease, stroke, heart disease, depression symptoms, cognitive impairment, and participation in other leisure activities.

Supplementary Table 4. Association between leisure activities and disability in activities of daily living excluding participants who lost to follow-up at least two years.

I almost a Almosta	Disability in activities of daily living		
Leisure activity	HR (95% CI) ^a	P	
Watching TV or listening to the radio			
Never	1.00 (reference)	-	
Sometimes	0.74 (0.68-0.82)	< 0.001	
Almost every day	0.72 (0.65-0.79)	< 0.001	
Reading books or newspapers			
Never	1.00 (reference)	-	
Sometimes	0.94 (0.80-1.11)	0.444	
Almost every day	0.90 (0.77-1.06)	0.211	
Gardening			
Never	1.00 (reference)	-	
Sometimes	0.67 (0.59-0.76))	< 0.001	
Almost every day	0.59 (0.53-0.67)	< 0.001	
Playing cards or mah-jong			
Never	1.00 (reference)	-	
Sometimes	0.85 (0.74-0.97)	0.016	
Almost every day	0.82 (0.68-0.98)	0.033	
Keeping domestic animals or pets			
Never	1.00 (reference)	-	
Sometimes	0.98 (0.83-1.16)	0.820	
Almost every day	0.86 (0.73-1.00)	0.051	
Attending religious activities			
Never	1.00 (reference)	-	
Sometimes	0.89 (0.78-1.01)	0.076	
Almost every day	0.90 (0.73-1.10)	0.311	
Number of leisure activities			
0	1.00 (reference)	-	
1	0.66 (0.60-0.73)	< 0.001	
2	0.54 (0.49-0.61)	< 0.001	
3	0.43 (0.37-0.49)	< 0.001	
4+	0.42 (0.35-0.50)	< 0.001	
P for trend	,	< 0.001	

HR: hazard ratio; CI: confidence interval

^a Adjusted for age and sex, residence, co-residence status, marital status, educational level, body mass index, smoking status, alcohol status, frequent fresh vegetable consumption, frequent fresh fruit consumption, physical exercise, hypertension, diabetes mellitus, respiratory disease, stroke, heart disease, depression symptoms, cognitive impairment, and participation in other leisure activities.