

Supplementary Table S3. Characteristics of study sample according to diverse social relationship engagement score

Variables	Categories	Diverse social relationship engagement score									
		0 or 1 (n = 892)		2 (n = 2460)		3 (n = 3833)		4 (n = 4980)		5 (n = 1818)	
		n (%)	% onset	n (%)	% onset	n (%)	% onset	n (%)	% onset	n (%)	% onset
Age	65–69	154 (17.2)	13.8	592 (24.1)	8.2	1247 (32.5)	6.0	2104 (42.2)	3.6	1000 (55.0)	3.4
	70–74	229 (25.6)	18.6	697 (28.3)	15.5	1110 (29.0)	11.2	1617 (32.5)	10.8	529 (29.1)	9.1
	75–79	230 (25.8)	33.0	614 (25.0)	26.7	893 (23.3)	22.7	892 (17.9)	20.7	221 (12.2)	20.3
	80–84	157 (17.5)	37.4	347 (14.1)	36.5	431 (11.3)	36.7	311 (6.3)	33.0	55 (3.0)	22.5
	85 or above	123 (13.8)	47.9	209 (8.5)	46.9	151 (3.9)	43.8	56 (1.1)	32.6	13 (0.7)	39.4
Gender	Male	240 (26.9)	26.7	827 (33.6)	20.8	1630 (42.5)	15.3	2840 (57.0)	11.5	1323 (72.8)	7.7
	Female	653 (73.1)	29.6	1633 (66.4)	22.9	2202 (57.5)	17.1	2140 (43.0)	10.7	496 (27.3)	8.7
Education	<10	633 (70.9)	28.1	1647 (66.9)	23.0	2450 (63.9)	16.8	2657 (53.3)	12.1	938 (51.6)	9.0
	≥10	260 (29.1)	30.7	813 (33.1)	20.5	1382 (36.1)	15.5	2323 (46.6)	10.1	880 (48.4)	6.9
Household income	Low	538 (60.3)	28.1	1234 (50.2)	21.7	1674 (43.7)	16.6	1872 (37.6)	12.7	529 (29.1)	9.7
	Middle	284 (31.8)	28.3	984 (40.0)	22.6	1700 (44.4)	15.5	2550 (51.2)	10.1	925 (50.9)	6.3
	High	70 (7.9)	36.6	242 (9.8)	22.8	458 (11.9)	18.5	558 (11.2)	11.2	364 (20.0)	9.7
GDS ^a	<5	397 (44.4)	26.0	1417 (57.6)	18.8	2591 (67.6)	15.3	3897 (78.2)	10.2	1532 (84.3)	7.7
	≥5	496 (55.6)	31.1	1044 (42.4)	26.7	1241 (32.4)	18.6	1083 (21.7)	14.8	286 (15.7)	9.4
SCT ^b	Yes	192 (21.5)	43.2	411 (16.7)	34.6	582 (15.2)	28.7	637 (12.8)	19.0	249 (13.7)	11.5
	No	701 (78.5)	24.9	2049 (83.3)	19.7	3250 (84.8)	14.1	4343 (87.2)	10.0	1569 (86.3)	7.4
IADLs ^c	Independent	612 (68.5)	23.1	1815 (73.8)	17.3	3071 (80.1)	14.4	4225 (84.8)	10.1	1545 (85.0)	7.8
	Dependent	281 (31.5)	41.4	645 (26.2)	35.7	761 (19.9)	24.1	755 (15.2)	17.1	273 (15.0)	8.9
Stroke	Yes	19 (2.1)	31.0	48 (1.9)	37.9	70 (1.8)	33.2	79 (1.6)	14.2	16 (0.9)	6.5
	No	874 (97.9)	28.8	2412 (98.1)	21.9	3762 (98.2)	16.0	4901 (98.4)	11.1	1802 (99.1)	8.0
Diabetes	Yes	96 (10.8)	23.1	248 (10.1)	23.7	475 (12.4)	20.8	601 (12.1)	14.7	196 (10.8)	12.9
	No	797 (89.2)	29.5	2213 (89.9)	22.0	3358 (87.6)	15.7	4379 (87.9)	10.7	1622 (89.2)	7.4
Daily walking time	<30 min	416 (46.6)	29.4	1063 (43.2)	25.0	1373 (35.8)	16.4	1587 (31.9)	11.4	506 (27.8)	7.4

	≥30 min	477 (53.4)	28.3	1398 (56.8)	20.0	2460 (64.2)	16.3	3393 (68.1)	11.1	1312 (72.2)	8.2
Hobby	Yes	466 (52.2)	25.4	1619 (65.8)	19.7	2809 (73.3)	15.3	4306 (86.5)	10.5	1562 (85.9)	7.7
	No	427 (47.8)	32.6	842 (34.2)	27.0	1023 (26.7)	19.2	674 (13.5)	15.2	256 (14.1)	10.0

Notes:

^a Geriatric Depression Scale

^b Subjective Cognitive Impairment

^c Instrumental Activities of Daily Living