

Supplementary Figure 1. Depiction of sampling flow.



Supplementary Figure 2. T0/T1 (n = 178): Cross-lagged panel analysis model. All coefficients are standardized.



Supplementary Figure 3. T0/T1 (n = 178): Serial mediation model. C path: total effect outside brackets, direct effect inside brackets. Control variables (age, gender, relationship status, education level, T0 community belonging, T0 social support, T0 loneliness, T0 health-related quality of life) are not pictured. Note: *** p < .001, ** $p \leq .01$.

Variable	Τ0	T1	T2
n	630	178	63
Age	<i>M</i> = 52.74 yrs, <i>SD</i> = 14.79, <i>range</i> = 17-85	<i>M</i> = 55.75 yrs, SD = 13.80, <i>range</i> = 19-85	<i>M</i> = 57.13 yrs, <i>SD</i> = 15.17, <i>range</i> = 24-84
Gender	285 m, 340 f, 5 unknown	86 m, 91 f, 1 unknown	32 m, 31 f
No. of Group Membershins (0-10)	M = 1.62, SD = 1.45	M = 2.21, SD = 1.87	M = 1.76, SD = 1.98
Community Belonging	M = 2.71, SD = 1.09	M = 2.75, SD = 1.08	M = 2.70, SD = 1.00
Social Support	M = 3.47, SD = 1.19	M = 3.69, SD = 1.11	M = 3.60, SD = 1.14
Loneliness	M = 2.42, SD = 1.18	M = 2.35, SD = 1.00	M = 2.41, SD = 1.17
Health-Related QoL	M = 0.61, SD = 0.32	M = 0.61, SD = 0.33	M = 0.59, SD = 0.36
$\begin{array}{l} \textbf{(0.5)} \textbf{(1)} \\ \textbf{Relationship} \\ \textbf{(0 = no, 1 = ves)} \end{array}$	0 = 257, 1 = 373	0 = 79, 1 = 99	0 = 25, 1 = 38
Education $(0 = \text{none}, 1 = \text{schl/coll}, 2 = \text{uni/wrk})$	0 = 69, 1 = 276, 2 = 285	0 = 21, 1 = 76, 2 = 81	0 = 9, 1 = 26, 2 = 28

Supplementary	Table 1		
Characteristics	of the participants	at each	time-point

Supplementary Table 2 T0 (n = 630): Descriptive statistics and correlations

Variable	1	2	2	1	5	6	7	0	0
variable	1	2	3	4	3	0	/	8	9
1. No. of Groups	-								
(0-10; M = 1.62, SD = 1.45)									
2.Community Belonging	.31***	-							
(1-4; M = 2.71, SD = 1.09)									
3.Social Support	.14***	.38***	-						
$(1-5; M = 3.47, SD = 1.19, \alpha = .87)$									
4.Loneliness	19***	43***	50***	-					
$(1-5; M = 2.42, SD = 1.18, \alpha = .90)$									
5.Health-Related Quality of Life	.11**	.22***	.21***	33***	-				
$(-0.59-1.00; M = 0.60, SD = 0.32, \alpha = .69)$									
6.Age	.17***	.15***	.09*	21***	003	-			
(17-85; M = 52.74, SD = 14.79)									
7.Gender	.04	.03	07†	.07†	08*	03	-		
(Male = 1, Female = 2)									
8.Relationship	.09*	.18***	.13***	31***	.15***	.01	.01	-	
(Yes = 1, No = 0)									
9.Education	.19***	.06*	.01	05	.13****	.05	.05	.06	-
(1 = none, 2 = sch/coll, 3 = uni/wrk)									

Note. *** $p \le .001$, ** p < .01, * p < .05, † p < .10

Supplementary Table 3 T0/T1 (n = 178): Descriptive statistics and inter-correlations for key variables

Variable	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Change in No. of Groups (T0-T1, M = 0.33, SD = 2.15)	-													
2. No. of Groups T0 $(1-10, M = 1.89, SD = 1.59)$	54***	-												
3. No. of Groups T1 (1-10, <i>M</i> = 2.21, <i>SD</i> = 1.87)	.69***	.23**	-											
4. Community Belonging T0 (1-4, <i>M</i> = 2.72, <i>SD</i> = 1.12)	16*	.31**	.08	-										
5. Community Belonging T1 (1-4, <i>M</i> = 2.75, <i>SD</i> = 1.08)	.10	.14†	.24**	.44***	-									
6. Social Support T0 (1-5, <i>M</i> = 3.61, <i>SD</i> = 1.13, <i>α</i> = .86)	08	.15†	.03	.30***	.30***	-								
7. Social Support T1 (1-5, $M = 3.69$, $SD = 1.11$, $\alpha = .89$)	10	.07	.05	.23**	.45***	.58***	-							
8. Loneliness T0 (1-5, $M = 2.42$, $SD = 1.13$, $\alpha = .88$)	.15	20**	001	38***	29***	42***	32***	-						
9. Loneliness T1 (1-5, $M = 2.35$, $SD = 1.00$, $\alpha = .87$)	.06	15*	06	25**	40***	30***	47***	.44***	-					
10.Quality of Life T0 (-0.59-1, $M = 0.57$, $SD = 0.35$, $\alpha = .72$)	05	.03	03	.16*	.09	.18*	.18*	28**	22**	-				
11.Quality of Life T1 (-0.59-1, $M = 0.61$, $SD = 0.33$, $\alpha = .74$)	08	.14†	.03	.21**	.22**	.16*	.19*	25**	30***	.68***	-			
12. Age $(M = 55.75, SD = 13.80)$	09	.19*	.07	.19*	.08	.15*	.15*	26**	22**	.01	.06	-		
13. Gender (1 = male, 2 = female)	.01	.14†	.13†	03	04	07	03	02	11	06	03	.10	-	
13. Relationship $(0 = no, 1 = yes)$	03	.07	.02	.06	.23**	.08	.13†	37***	22**	.04	.04	.07	.08	-
14. Education $(1 = \text{none}, 2 = \text{sch/coll}, 3 = \text{uni/wrk})$	06	.23**	.13†	.10	.03	.05	07	08	11	.20**	.23**	.15†	.09	.04

Note. *** p < .001, ** p < .01, * p < .05, † p < .10.

Supplementary Table 4

T1/T2 (n = 63): Descriptive statistics and inter-correlations for Number of Group Memberships, Health-Related Quality of Life, Age, and Gender

Variable	1	2	3	4	5	6	7	8
1. No. of Groups T1	-							
(1-10, M = 2.77, SD = 1.63)								
2. No. of Groups T2	.45**	-						
(1-10, M = 1.53, SD = 1.30)								
3.Quality of Life T1	.15	.18	-					
$(-0.59-1, M = 0.56, SD = 0.38, \alpha = .80)$								
4.Quality of Life T2	.06	.03	.65***	-				
$(-0.59-1, M = .59, SD = 0.37, \alpha = .77)$								
5. Age	.08	.17	.19	.003	-			
(M = 57.09, SD = 15.58)								
6. Gender	.22	.18	01	03	.12	-		
(1 = male, 2 = female)								
7. Relationship	.36*	.11	.01	.10	.08	.08	-	
(0 = no, 1 = yes)								
8. Education	.30*	.05	.26†	.02	.31*	.24	12	-
(1 = none, 2 = sch/coll, 3 = uni/wrk)								

Note. *** p < .001, ** p < .01, * p < .05, † p < .10.