

**Supplementary table 1** Selected variables for calculating propensity score

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Variables for Propensity Score

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- 1 Smoking habit
  - 2 Way of getting around: Bus
  - 3 Walk time per 1day
  - 4 Place where one has gone without hesitation: Public hall
  - 5 Place where one has gone without hesitation: Health center
  - 6 Passed years after retirement
  - 7 Frequency of participation into senior club
  - 8 Frequency of participation into religious group
  - 9 Frequency of participation into sports club
  - 10 Enjoy for participation into senior club
  - 11 Increase frequency of going out since participating into group activities
  - 12 Frequency of meeting with friends
  - 13 Persons who meet frequently: Friends of volunteer group
  - 14 Listening to concerns and complaints of children or relatives living apart
  - 15 Satisfaction for marital relationship
  - 16 A director in neighborhood council
  - 17 Feeling a recession in the town
  - 18 Sometime feeling get very confused
  - 19 Sometime feeling I am not useful
  - 20 Sex
  - 21 Number of years of residence in the town
  - 22 Starting to live alone during one year
  - 23 Equivalent income
  - 24 Age
  - 25 Higher-level of ADL
  - 26 Depression
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**Supplementary table 2** Number of community salons of whole participants in Taketoyo

	Number of operated salon	Year (April to March)				
		2007	2008	2009	2010	2011
	1	473	523	556	619	655
	2	28	46	88	91	87
	3	17	9	16	30	27
Number of participants in whole older people in Taketoyo	4	-	5	7	8	8
	5	-	3	2	3	5
	6	-	-	6	3	3
	7	-	-	-	2	5
	8	-	-	-	-	4

**Supplementary table 3** Association between numbers of community salons within a radius of 350 meters from subject's home and number of times participating in salons

		Number of the salon within 350m from address					
		0		1		2	
		n	%	n	%	n	%
Number of times participation	None (0-2times)	1,361	90.8%	751	90.2%	63	70.8%
	3-13 times	66	4.4%	39	4.7%	17	19.1%
	Over 14 times	72	4.8%	43	5.2%	9	10.1%
	Total	1,499	100%	833	100%	89	100%

$\chi^2 = 44.72$ ,  $df = 4$ ,  $p < 0.001$

**Supplementary table 4** Result of the standard Cox proportional hazard model using categorized frequency of participation

		Categorized model	
		Crude model	Multivariate model
Participation	0-2times (ref) (n=2,175)		
	3-13 times (n=122)	0.54 (0.29-1.02)	0.43 (0.23-0.81)**
	14 times & more (n=124)	0.47(0.24-0.91)*	0.39 (0.20-0.77)**
Sex	Female (ref: male)	-	1.06 (0.84-1.32)
Age	75 y & over (ref: 65-74 y)	-	4.87 (3.86-6.14)***
Educational attainment	9 y & under (ref: 10 y & over )	-	0.95 (0.76-1.19)
Equivalent income	¥ 1.99 million & less (ref: ¥ 2 million & more )	-	1.14 (0.91-1.43)
Higher-level of ADL	12 points & under (ref: 13 points)	-	1.32 (1.01-1.73)*
Depression	None(ref)		
	Mild Severe	-	1.35 (1.04-1.75)* 2.09 (1.48-2.95)***

\* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001