

A new health education program on dietary variety for the community elderly: implementation by health promotion volunteers

Atsuko Taguchi, Hiroshi Murayama,
Chikako Miyao, Takuhiro Yamaguchi

Tohoku University, The University of Tokyo, Hikone City

ataguchi@med.tohoku.ac.jp



Background

- Higher dietary variety can reduce the risk of mortality and the decline of activities of daily living (Comoni-Huntley, 1983; Kumagai, 2003).
- Mobilizing community health workers, could be an effective way to improve health and to empower community members to improve their own health (Eng, 2009; Haines, 2007).
- In Japan, health promotion volunteers perform activities similar to those performed by community health workers.

Purpose of the study

- To develop a health education program of dietary variety that health promotion volunteers (HPVs) could implement with elderly people in the community.

Health promotion volunteers in Japan

HPVs:

- are qualified by municipality.
- are trained by about 80% municipality in Japan.
- are recruited by flyers and word of mouth.
- are unpaid.

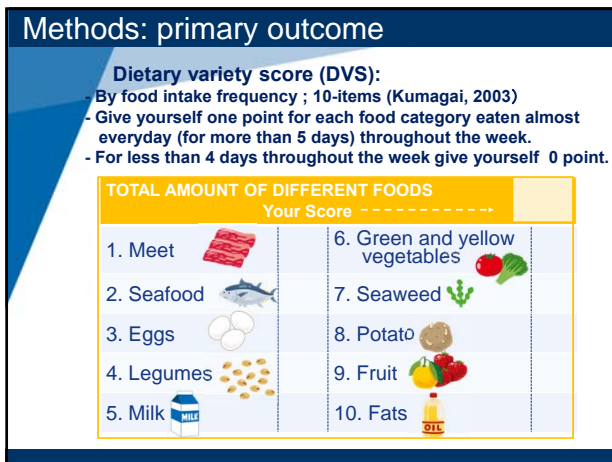
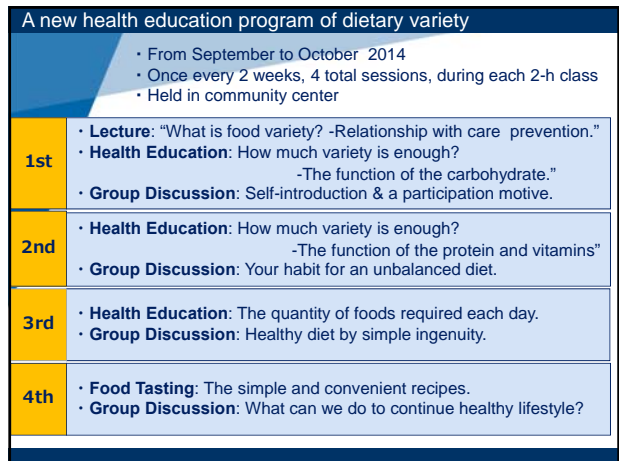
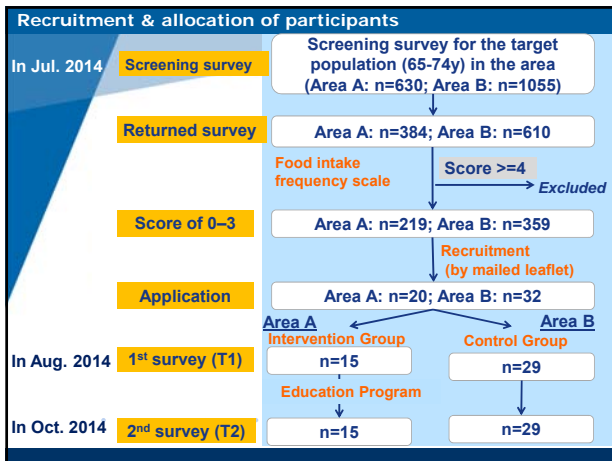
Methods: study settings

- The city of Hikone, Shiga Prefecture
- We selected two areas in the city: the elementary school districts, divisions [Area A] and [Area B] were chosen as the intervention and control groups
- HPVs in these areas were willing to join this study



Methods: Target population

- The entire community-dwelling elderly population: aged 65–74 years.
- Excluding elderly people requiring long-term care.



Findings: characteristics of the study participants

		Area A n=15		Area B n=29		p-value
		n	%	n	%	
Sex	Male	4	26.7	11	37.9	0.520 b
	Female	11	73.3	18	62.1	
Age ^{a)}		68.9±2.6		69.0±3.3		0.921 c
	Educational level	College graduate	1	6.7	4	13.8
	Junior college/vocational school graduate	0	0	3	10.3	
	High school graduate	11	73.3	18	62.1	
	Junior high school	3	20.0	4	13.8	
Financial level	Good	1	6.7	1	3.4	0.327 d
	Somewhat good	2	13.3	5	17.2	
	Normal	8	53.3	20	69.0	
	Somewhat severe	0	0	3	10.3	
	Severe	4	26.7	0	0.0	

a): Values represent mean ± SD. b): Fisher's exact test c): t-test d): Mann-Whitney U test

