## Key factors for implementation research

Japan Gerontological Evaluation Study lessons from JAGES

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Interventions on urban Urban health News and health http://www.w/meigle/keb/escentre/megeingtre/jages/en/ts

**Publications** 

## New Project Featuring Japan's Good Practice in Research-to-Action for Healthy Ageing



The World Health
Organization Centre for
Health Development
(WHO Kobe Centre) and
the National Center for
Geriatrics and
Gerontology (NCGG) are
pleased to announce that
they will commence a
collaborative research
project to advance

universal health coverage (UHC) and healthy ageing in Japan.



## JApan Gerontological Evaluation Study (JAGES)

One of the few population-based gerontological surveys in Japan

Focused on social determinants of health (SDH) and social environment

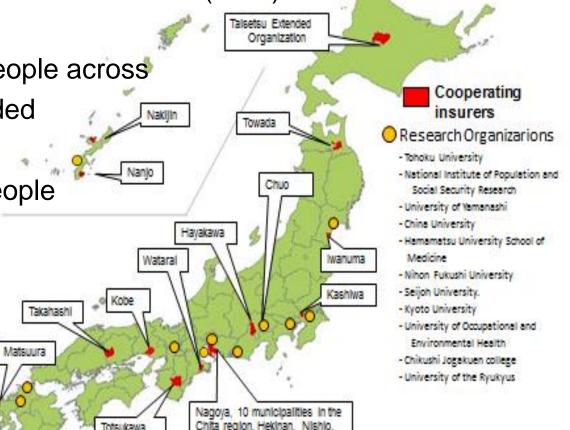
 In 2010- 112,000 older people across 31 municipalities responded (response rate: 66.3%)

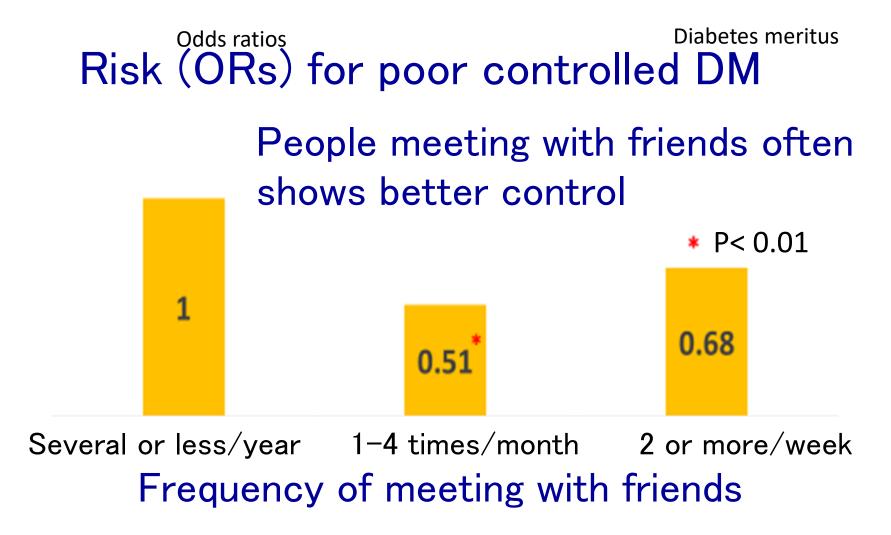
In 2013- 138,000 older people

responded. (RR: 70.3%)

Another dataset includes 105 municipalities' data with less items

• In 2016- about 200,000 responded (RR: 70%)





Adjusted for age, sex, BMI, depression, income, education, walking duration, marriage status, cohabitant, treatment for DM alcohol, smoking

## **Publications**

- Papers in English: 96
- Papers in Japanese: 290
- Books: 7
- Academic Awards: 36

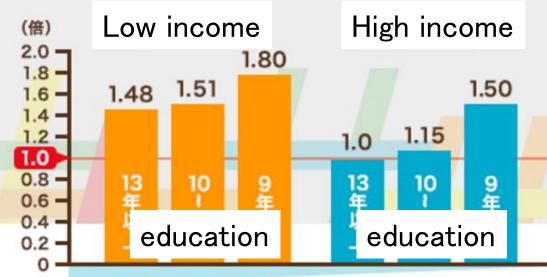
総合 9月19日(月) 夜7時30分放送! 井健康格差

NHK総合 2016年9月19日(月)19:30~ 20:43

子ども、現役世代、高齢者 すべての世代に忍び寄る新 実態と処方箋を探ります。

Lower education and income are risks for mortality and functional decline





教育年数

出典:近藤克則らの研究「高齢者における所得 教育年数別の死亡・要介護認定率とその性差」(2012年)

### Group participation is good for health

#### 調査方法

2010年8月~2012年1月にかけて、北海道、東北、関東、東海、関西、中国、 九州,沖縄地方に分布する31自治体に居住する高齢者のうち,要介護認定 を受けていない高齢者169,201人を対象に、郵送調査(一部の自治体は訪

JAGES2010/11調査フィールド

問調査)を実施。

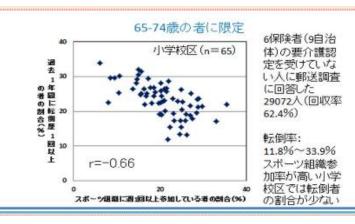
112,123人から回答。 (回収率66.3%)

【研究デザインと分析方法】 研究デザイン:横断研究 分析方法:地域相関分析

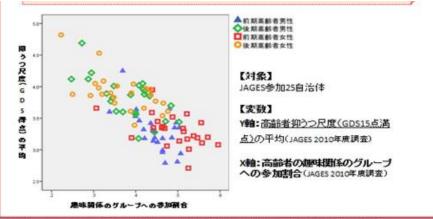
JAGES(日本老年学的評価研究)プ

ロジェクト

#### Sports group participations and falling

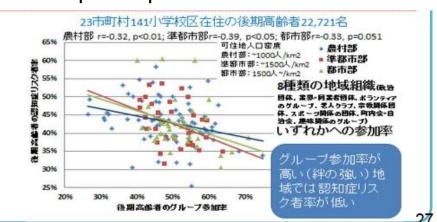


Hobby club participations and depression



代表者:近藤克則氏)からの提供

Social participations and dementia risk



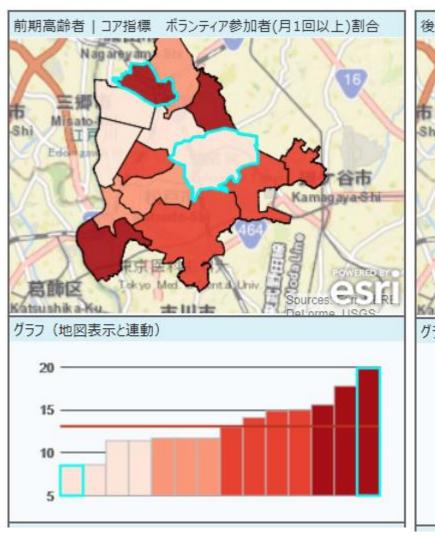
Provided by JAGES

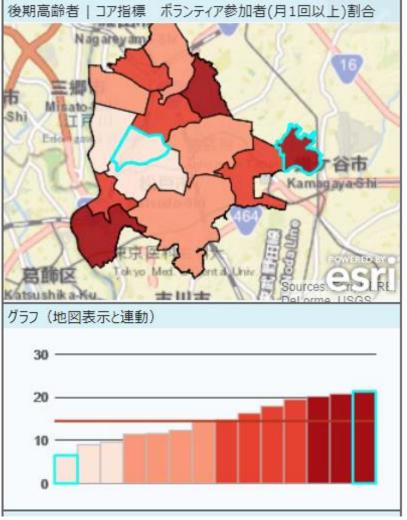
#### JAGES2016 コア指標

## volunteering (1/month+)

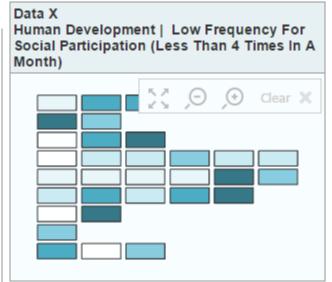
65-74 y.o.

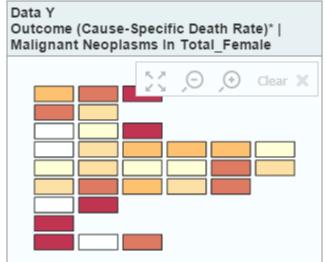
75 y.0. +

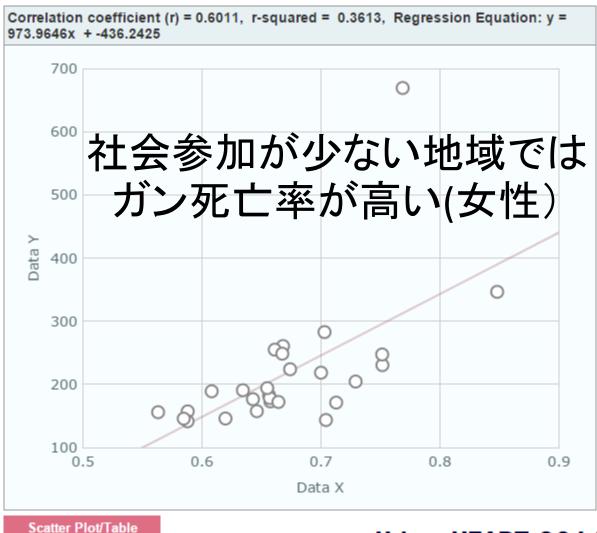




#### Health Equity Assessment and Response Tool) for Japanese Older People







Urban HEART 2014 http://sdh.umin.jp/heart/Double\_map.html

## Comprehensive Strategy for Innovation of Science and Technology (2013. 6.7 Cabinet decision)

Chapter 2
Challenges of science and technology innovation

II. Realization of a healthy society with longevity of life, as a forerunner of international society

Promotion of comprehensive care in the community including health, medical, and social care using IT

• Promotion of "visualization" of health and social care information

Various programs

Making
a Short Poem→
led by volunteers

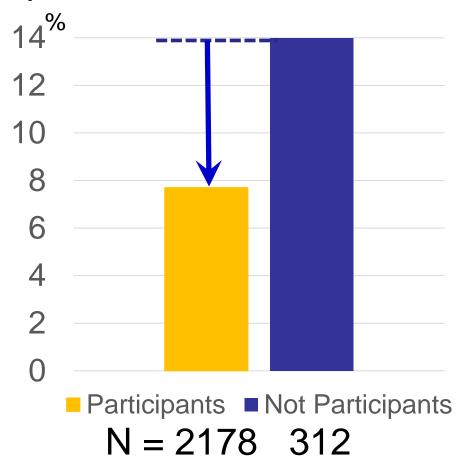


Physical Exercise instructed by volunteers

## Participants keep functions

Taketoyo project, 2014

% of persons function declined



Comparison between Participants and Non-Participants in Taketoyo Project

## 6.3% point reduction during 5 years followed up

Hikichi, H., Kondo, N., Kondo, K., et. All: Effect of community intervention program promoting social interactions on functional disability prevention for older adults: propensity score matching and instrumental variable analyses, JAGES Taketoyo study.

Journal of Epidemiology and Community Health

doi: 10.1136/jech-2014-205345

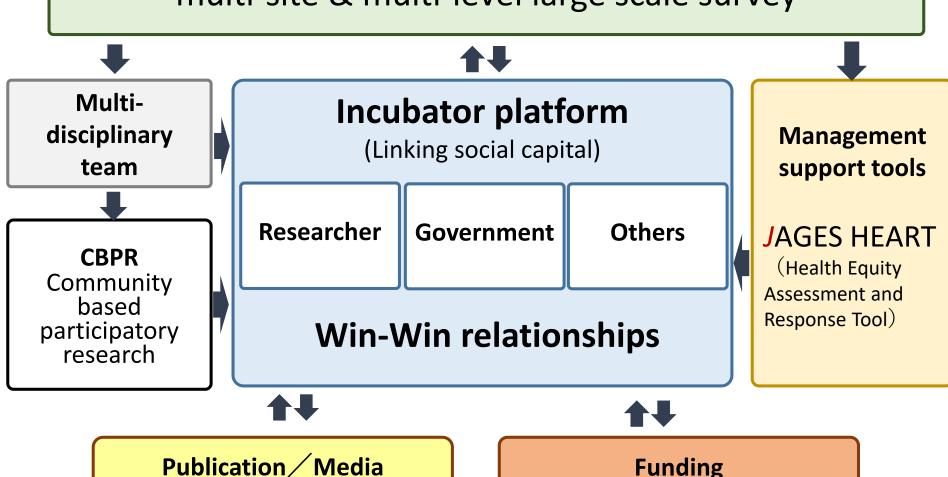
# The town decided to add the program into their general plan 2008-2012



### **Key factors of JAGES**

### Large scale surveys

multi-site & multi-level large scale survey



## Lessons from JAGES

- Mind sets of researchers are essentials
  - Risk factor epidemiology is not enough
  - Evidence creation for society/policy management
- Platform for co-creation facilitate knowledge translation/implementation
  - Researcher, local/central government
  - -CBPR, management/translation tools
- Funding to such collaborated team are needed.