

Session 1 Behavior Insight x Technology

"Nudge in Public Health"

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May 24, 2019



Started a career as a corporate marketer at P&G

Interested in people's behavior purchasing behavior



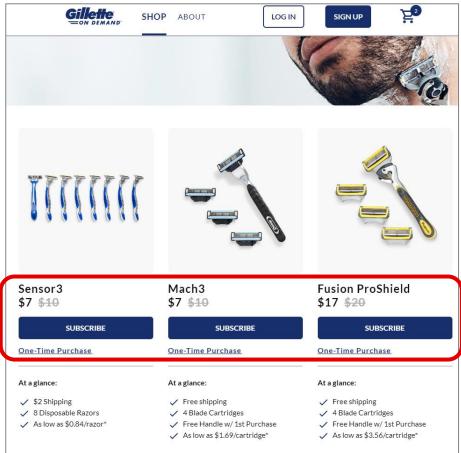


"Razor blade" business model is even more powerful with **subscription** model.



"opt-in" purchase





at Harvard

Entry to "business for social impact"





at Harvard

"Public health needs behavior changes, but short of *how*"





In Marketing,

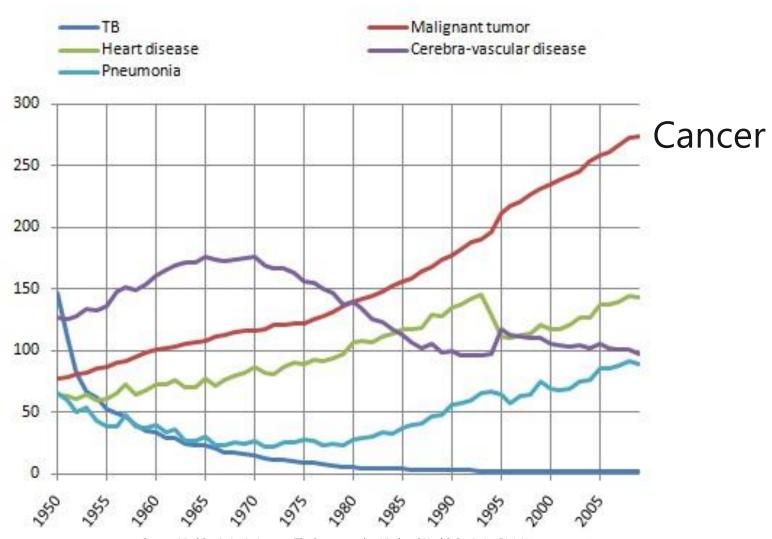
- Message → Behavior
- Testing: A/B test

In Public Health,

- Behavior science
- Testing: RCT



Cancer: no.1 cause of death in Japan



Source: Vital Statistics in Japan – The latest trends – Vital and Health Statistics Division, Statistics and Information Department, Minister's Secretariat, Ministry of Health , Labour and Welfare



Situation of Cancer in Japan

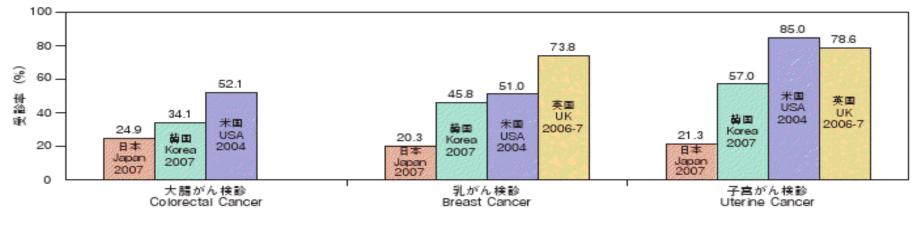
- High cancer mortality rate
- Low cancer screening rate

Cancer Mortality Rate

Cancer Mortality Rate per 100,000	JPN	Korea	US	UK
Male	313.5	169.9	204.4	273.9
Female	197.1	96.9	183.1	240.5

Source: WHO Statistics, Mortality Database (2004)

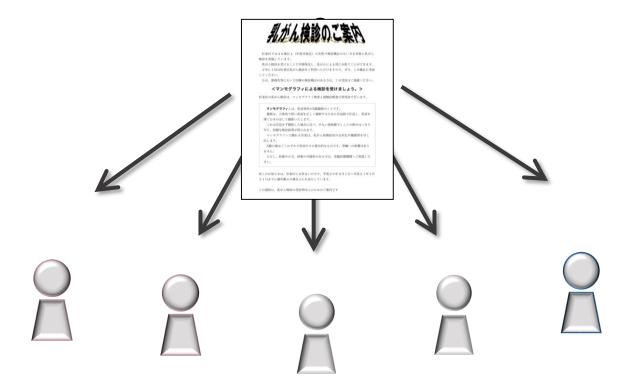
がん検診受診率 Cancer Screening rates





Current structure

Local Government

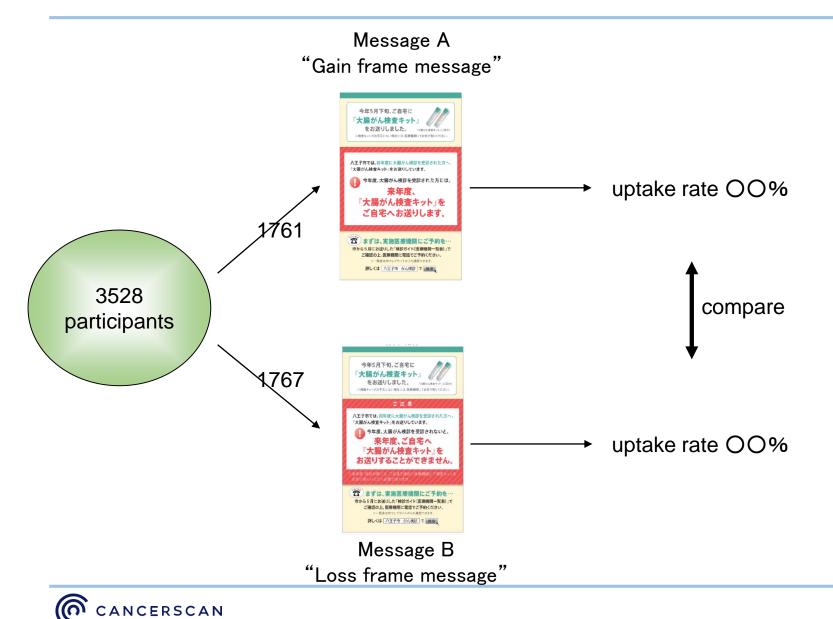




Prospect Theory for colorectal cancer screening uptake

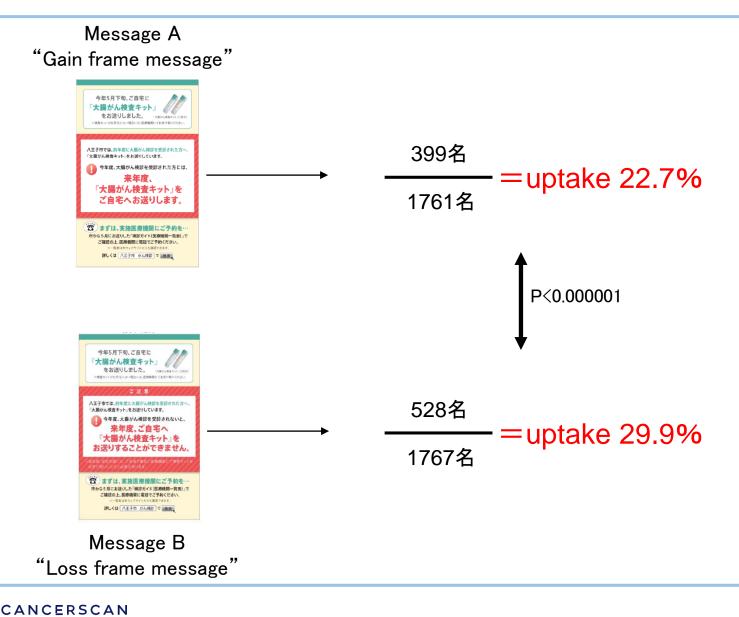


RCT



RCT result

(
)



Liver cancer screening

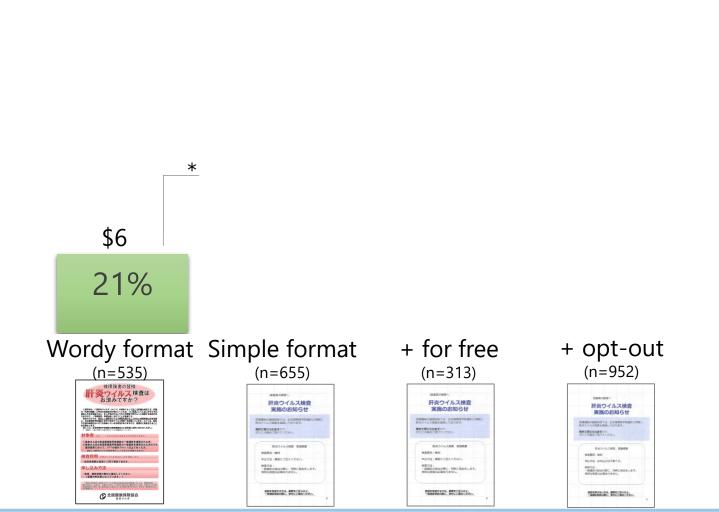
- 50,000+ death
- Preventable (esp. Hepatitis C can be cured almost 100%)
- Screening (blood test) is available as an optional at annual health check-up
- But, few people choose to take the liver cancer screening
- An invitation letter for liver cancer screening:



- Wordy
- \$6 co-payment
- Opt-in



Result





Targets have different insights

Indifference



"I am just fine. Don't worry."

Contemplation



"I am scared..."

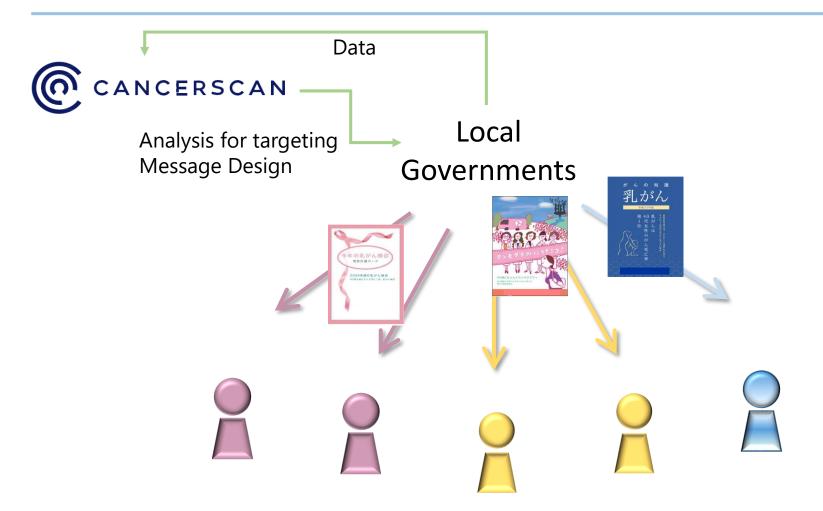
Preparation



"Not so sure where to start"

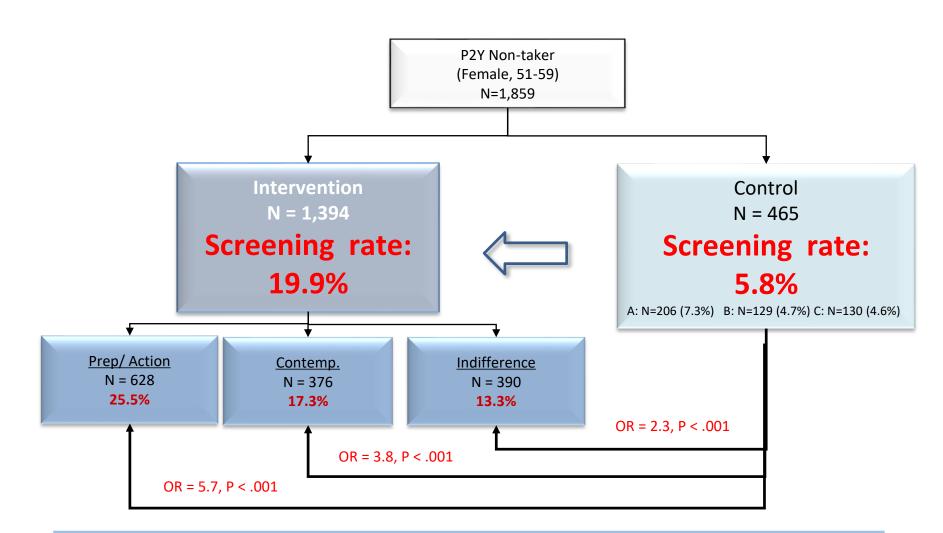


Behavior Insight x Data



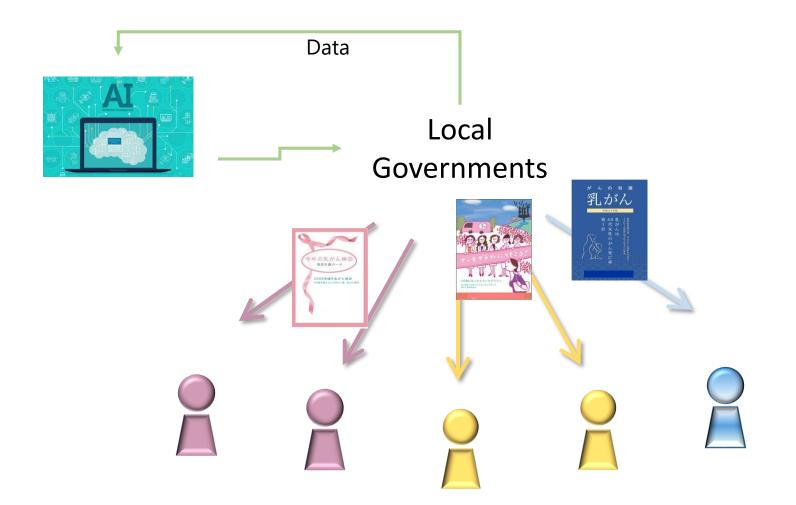


Result: screening rate tripled



CANCERSCAN

Expanding to **400+** local governments

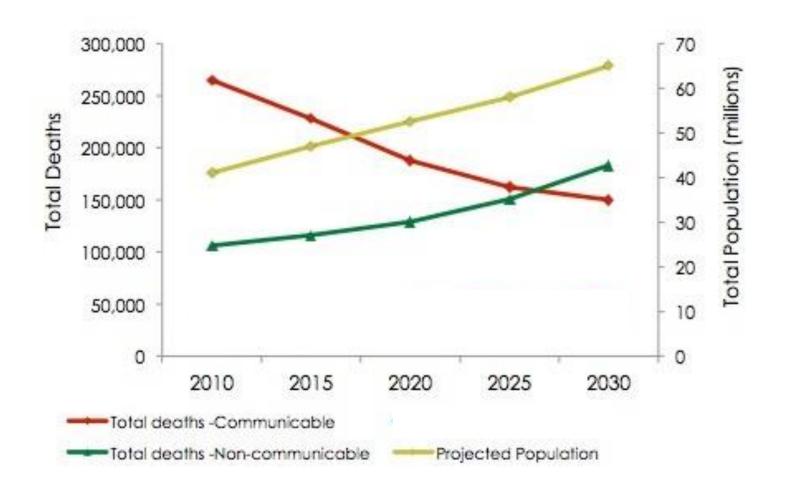




New challenge in Africa (Kenya)



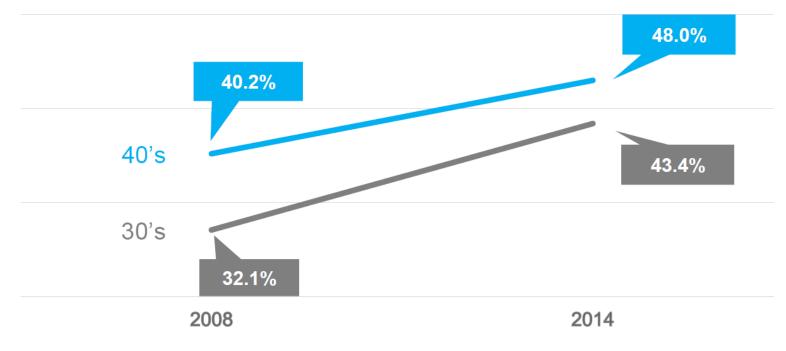




Sources: 1) Demographic and Health Survey 2008/09, 2014.

Obesity issue in Kenya

<u>Prevalence of Women's BMI ≧25</u>



Source: Kenya Demographic and Health Survey 2008/09, 2014



Provide health check-ups





High penetration of Smartphones





Health app, "Simway"

Self-monitoring functions

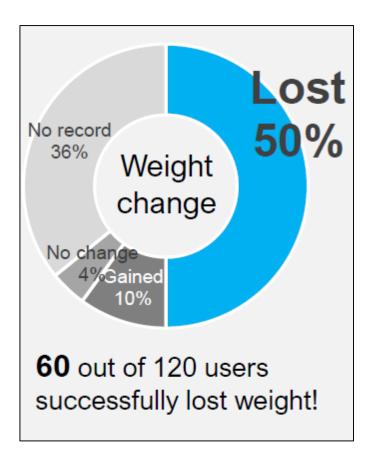


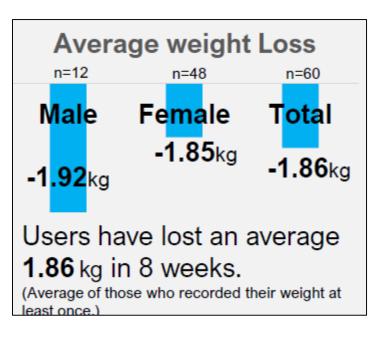


Selecting diet behavior













10 years ago

"Public health needs behavior changes,

but short of *how*"



"Behavior Insight x Technology"

