Prevention of heat-related excess mortality --- Intervention



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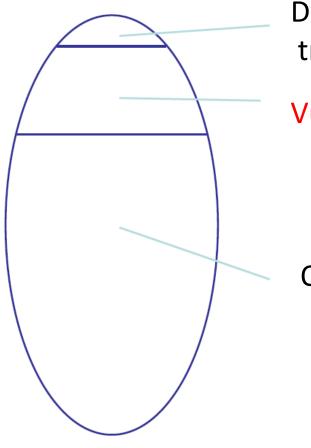
Motivation

- Heat-warning sets a threshold
 - -> false positives & false negatives
- Vulnerable populations are elderly & children
 - -> needs simple "To Do"



- 1. Use the <u>room</u> temperature for cooling
- 2. Drink a glass of water between the meals regardless of the temperature

Target population



Diseased: treated by medical staff

Vulnerable elderly

Other healthy people: can help themselves through mass-media information

Methods: Basic framework for community intervention

Divide the 5 communities into:

- 1. Heat-health warning + water supply
- 2. Heat-health warning
- 3. Control

Takahashi et al. Int. J. Environ. Res. Public Health 2015, 12, 3188-3214

Results

Behavioral change in HHW+W group!

Higher frequency of change in nighttime air-con use more water intake