

# The effect of capsaicin on pneumonia

- The capsaicin jelly heightens the QOL of elderly -

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## Purpose - To heighten QOL of elderly people

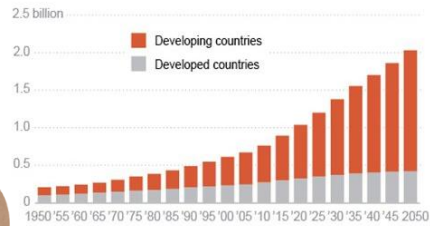
### Background

- The population is aging
- Elderly people are likely to get pneumonia
- Pneumonia is the fourth highest cause of death of Japanese people



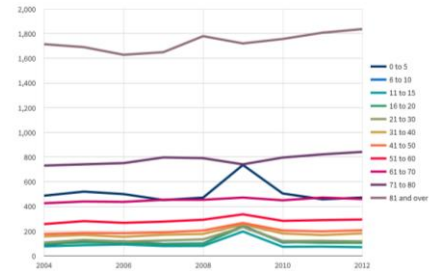
The number of people in the world aged 60 and older is expected to grow past 2 billion by the year 2050.

Total population of people aged 60 and older



SOURCE: United Nations Population Fund

Number of people per 100,000 who developed pneumonia, by age group, 2004-2012



### Expected Results

- Prevention of aspiration pneumonia
- Maintaining health
- Realization of happy dining time

High QOL → **Realization of SDGs number 3**



### Previous research

- Capsaicin prevents aspiration pneumonia
- Film-shaped product containing capsaicin has already been sold

But ....  
**EXPENSIVE!!**

### Notice

- ① The shape that unlikely to be aspirated
- ② Taste
- ③ Low cost
- ④ Easy process to make



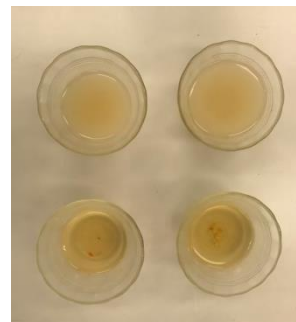
### Experiment - Developing jelly containing capsaicin

#### Discovery:

The stimulus are emitted and stimulate us so that we all cried and coughed.  
→ wear the mask, put the lid on the pot, use ichimi togarashi instead of a normal red pepper



	spiciness	tastiness
Rice wine		
Amazake		



### Next step

Make our product softer to make it safer in terms of preventing aspiration