

Access-friendly food inspection service for radioactivity on self consumption products in Fukushima

- for relieving anxieties towards radioactivity contamination

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New action levels for food in Japan (1-Apr-12)

	Iodine (^{131}I) (Bq/kg)	Cesium (^{134}Cs , ^{137}Cs) (Bq/kg)	
Drinking water	300	200	10
Milk	300	200	50
Milk for infants	(100)*	(100)*	50
Vegetables	2000	500	100
Food grain	2000	500	
Meat, Egg, Fish, others	2000	500	

* Recommended value

Implemented on **1st April 2012**

These limits are based on 1 mSv in a year consistent with an intervention exemption level adopted by codex.

Food inspection for radioactivity in Japan



Citizens can get information about radioactivity contamination in foods.

Published information is available

<http://www.pref.fukushima.lg.jp/site/portal-english/en01-01.html>

The screenshot shows a web browser window with the URL www.pref.fukushima.lg.jp/site/portal-english/en01-01.html. The page features a header with language selection options (日本語, English, 中文, 한국어, Deutsch, français, Italiano, Espana, Portugal) and a search bar. Below the header is a banner for the Fukushima Revitalization Station, Fukushima Prefectural Govt., Japan, with a central graphic of a radio tower. A navigation menu includes: Fukushima Revitalization, Safety of Food, Environmental Restoration, TEPCO's Fukushima Daiichi Nuclear Power Station, and Introduction of Fukushima Prefecture. The main content area shows a breadcrumb trail: Home > Safety of Food > Monitoring results of agricultural, forestry and fishery products from Fukushima Prefecture. The main heading is "Monitoring results of agricultural, forestry and fishery products from Fukushima Prefecture". Below this is a social media share button for Twitter and a date "2016.7.4. Update". A paragraph explains that agricultural, forestry and fishery products are tested before shipment, and if the reference value is exceeded, shipment is stopped at the municipality level. A section titled "Inspection results from April 2015 to March 2016" includes a note: "* 'Brown rice' , August 2015 - March 2016". A table with three columns is partially visible: "Types of products", "Number of products tested", and "Proportion of samples exceeding the reference values (Number) * (%)".

Food inspection for radioactivity in Japan



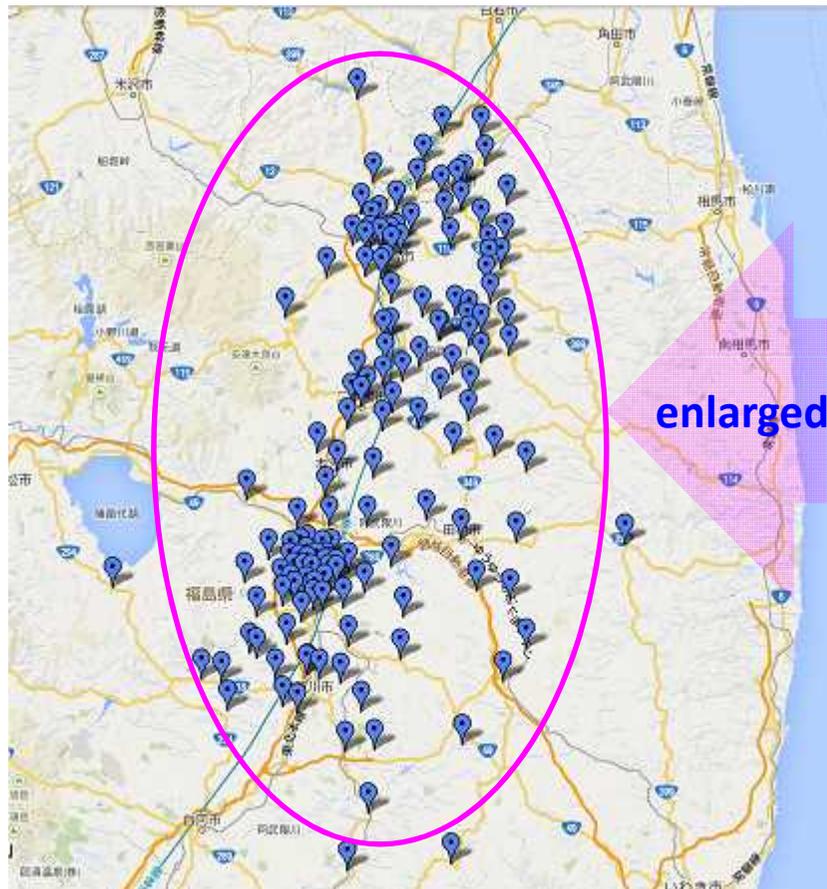
?

Bq/kg

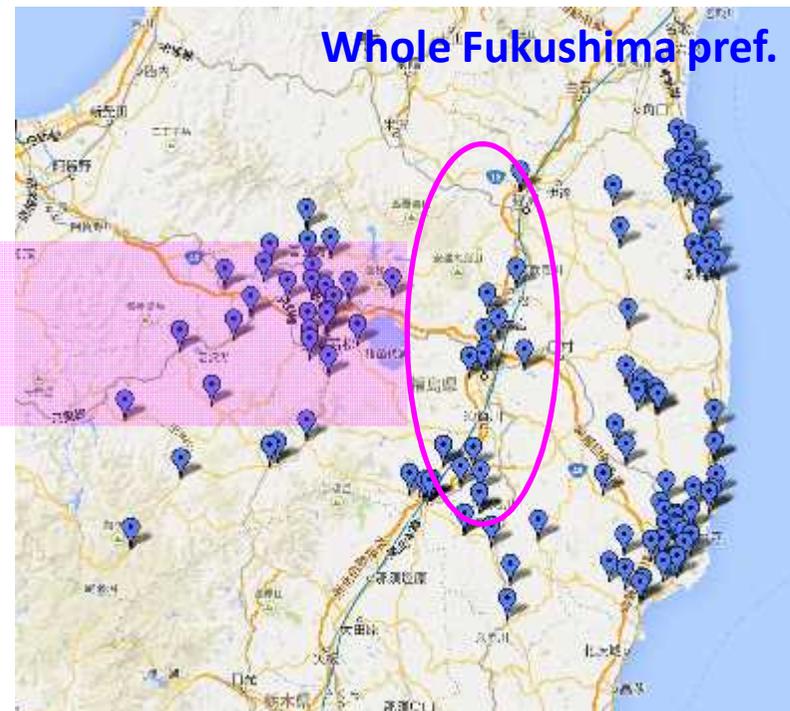


Temporary testing labs in Fukushima

for the food inspection of self consumption products



About 300 Labs /13,780 km²



About 1000 instruments were installed/ 2million inhabitants

EXAMPLE OF MUNICIPALITY TEMPORARY TESTING LABORATORYS

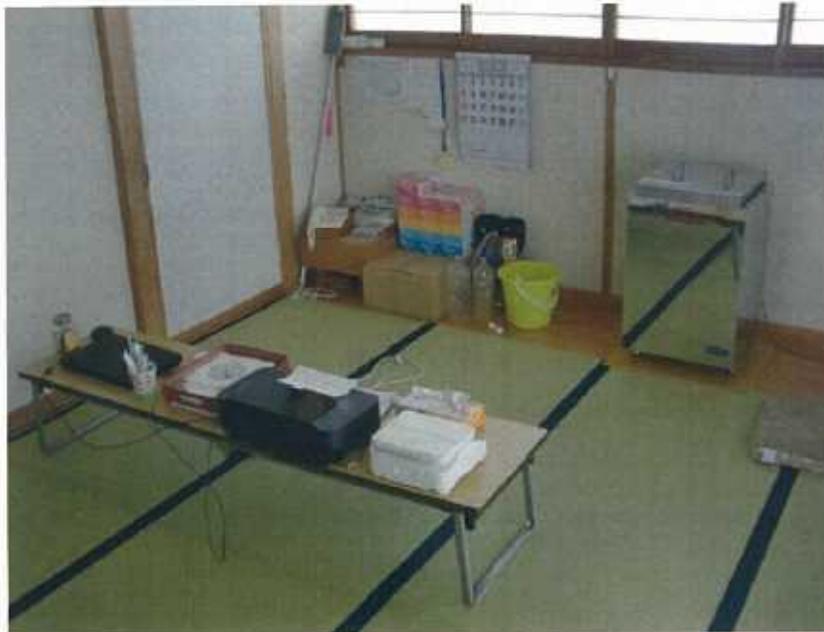
At public halls



At makeshift places



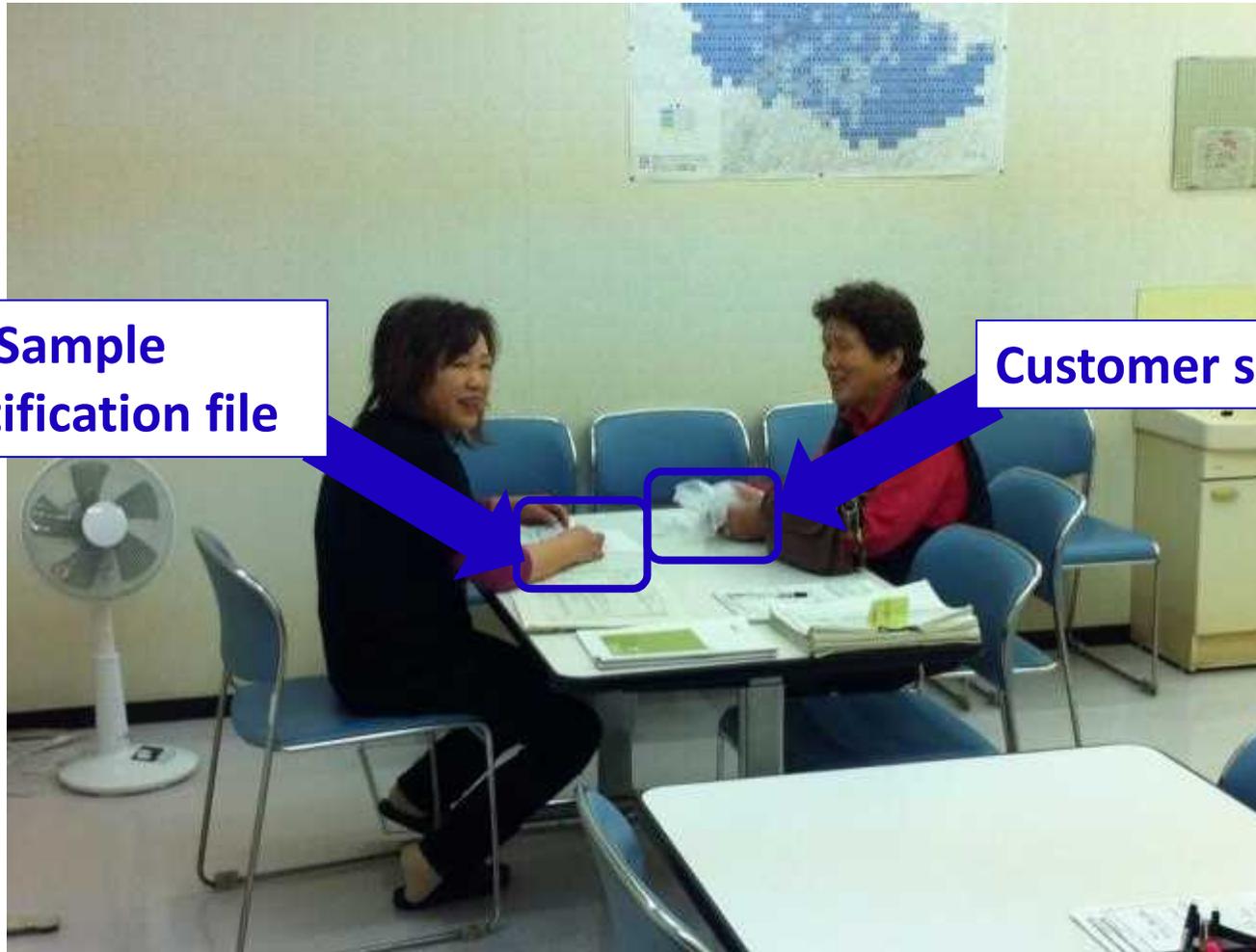
At meeting places



At schools



Customer request and Sample reception



**Sample
identification file**

Customer sample

Samples



Sample preparation room



Sample preparation



Samples ready for testing



Testing room



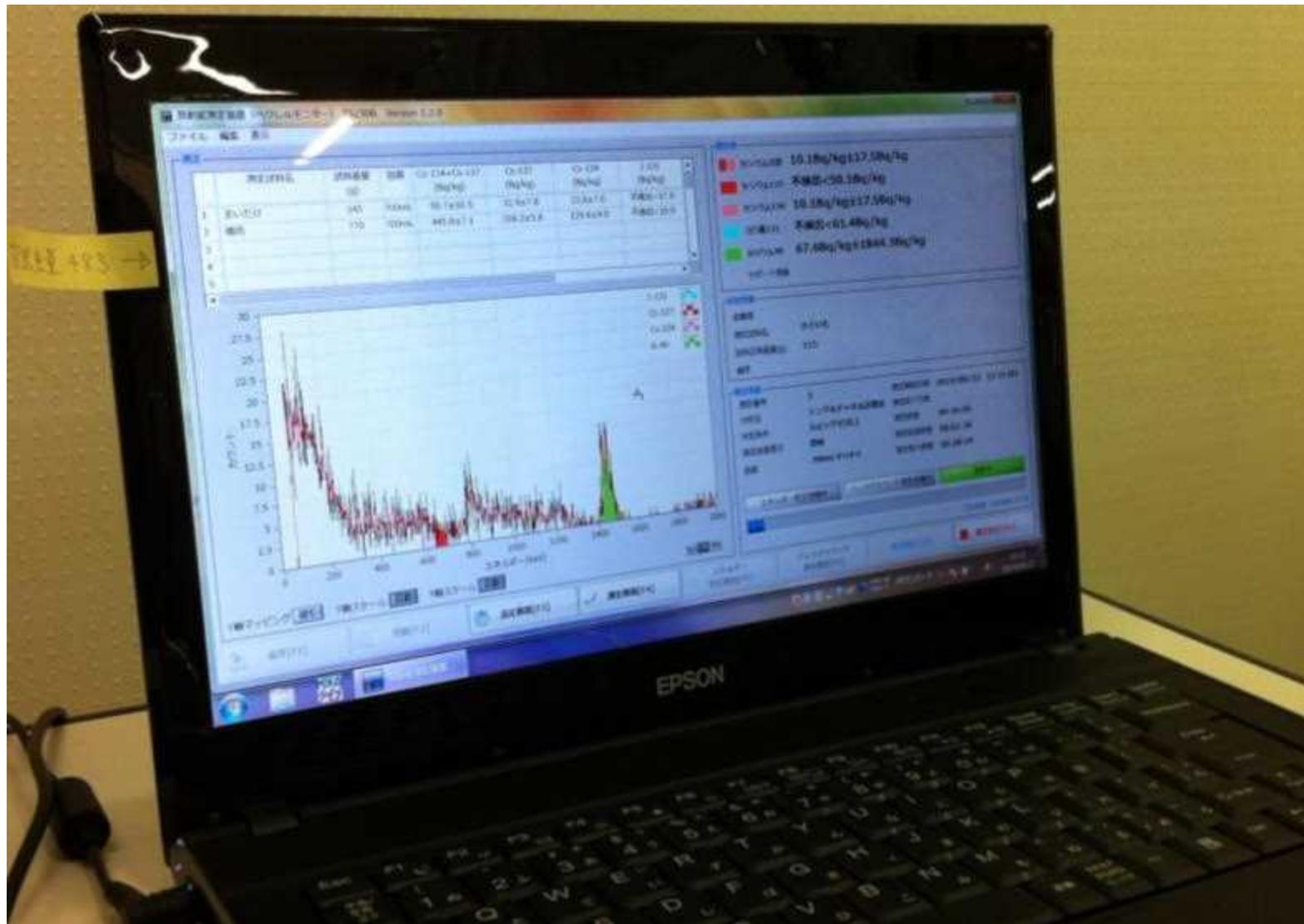
Instrument check source



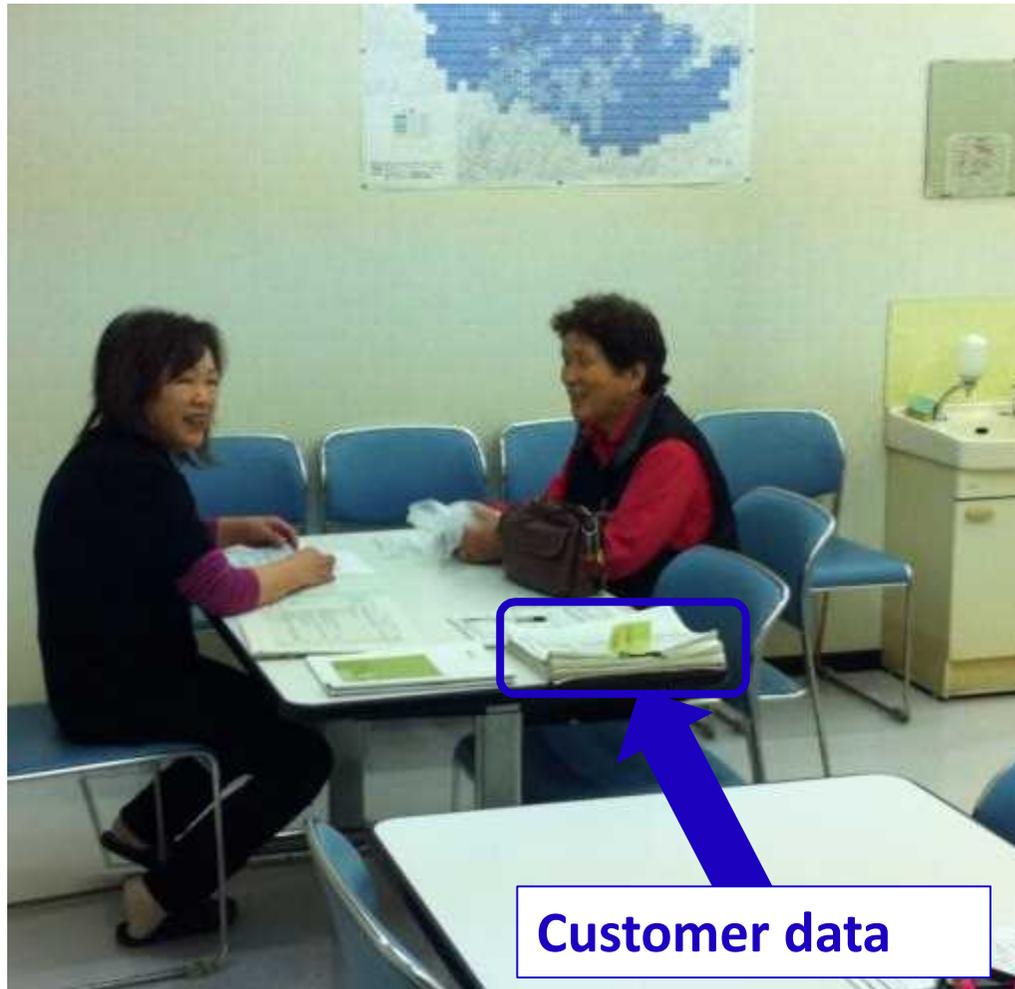
Sample testing



Sample testing



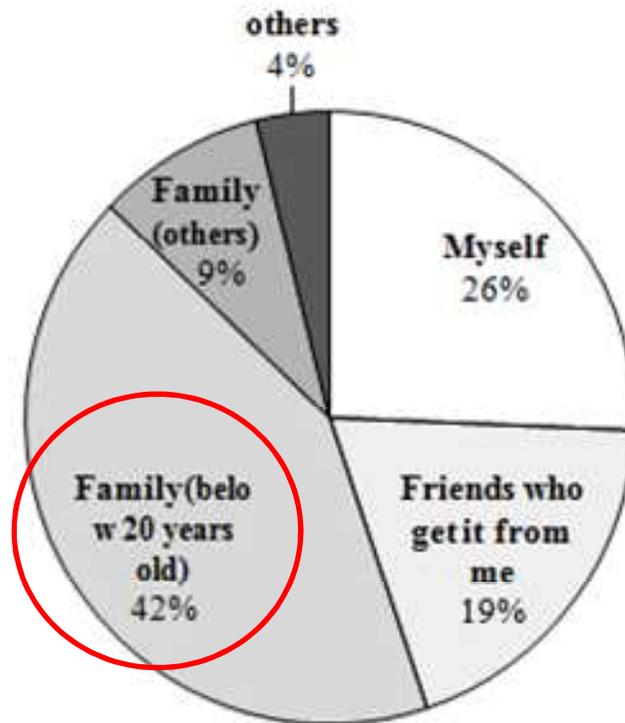
Test results



Results of customer satisfaction survey

>>Questionnaires were distributed to consumers who brought food samples to temporary testing laboratories.

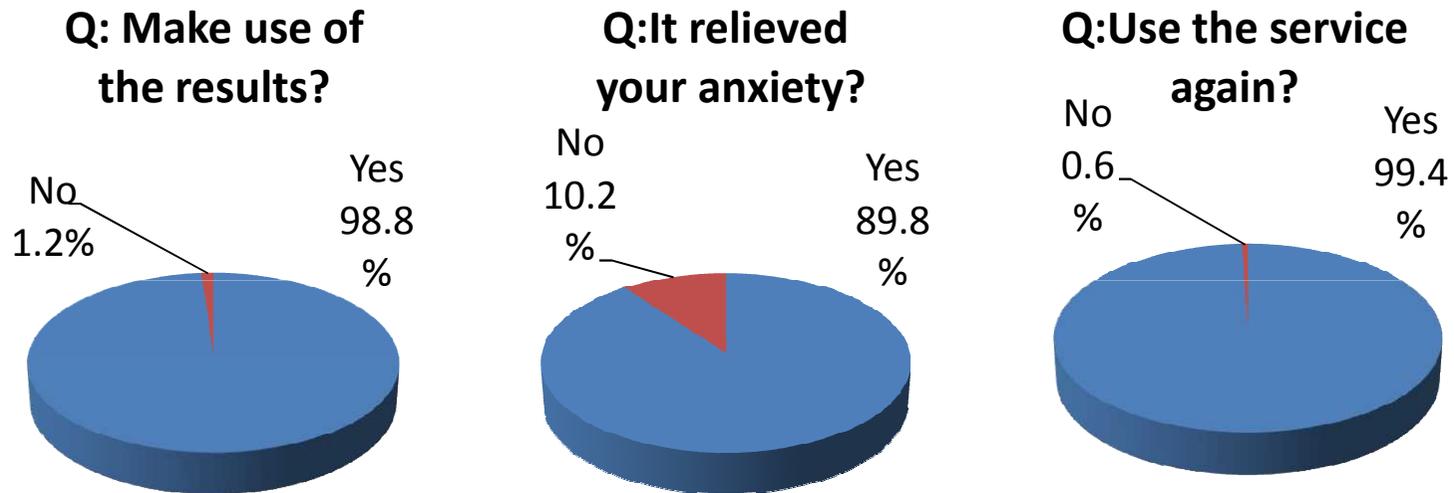
Q: For whom did you use this service?



Investigated in 2012

<http://www.pref.fukushima.lg.jp/sec/16005b/hosoku-hoshanoukensa.html>

Results of customer satisfaction survey

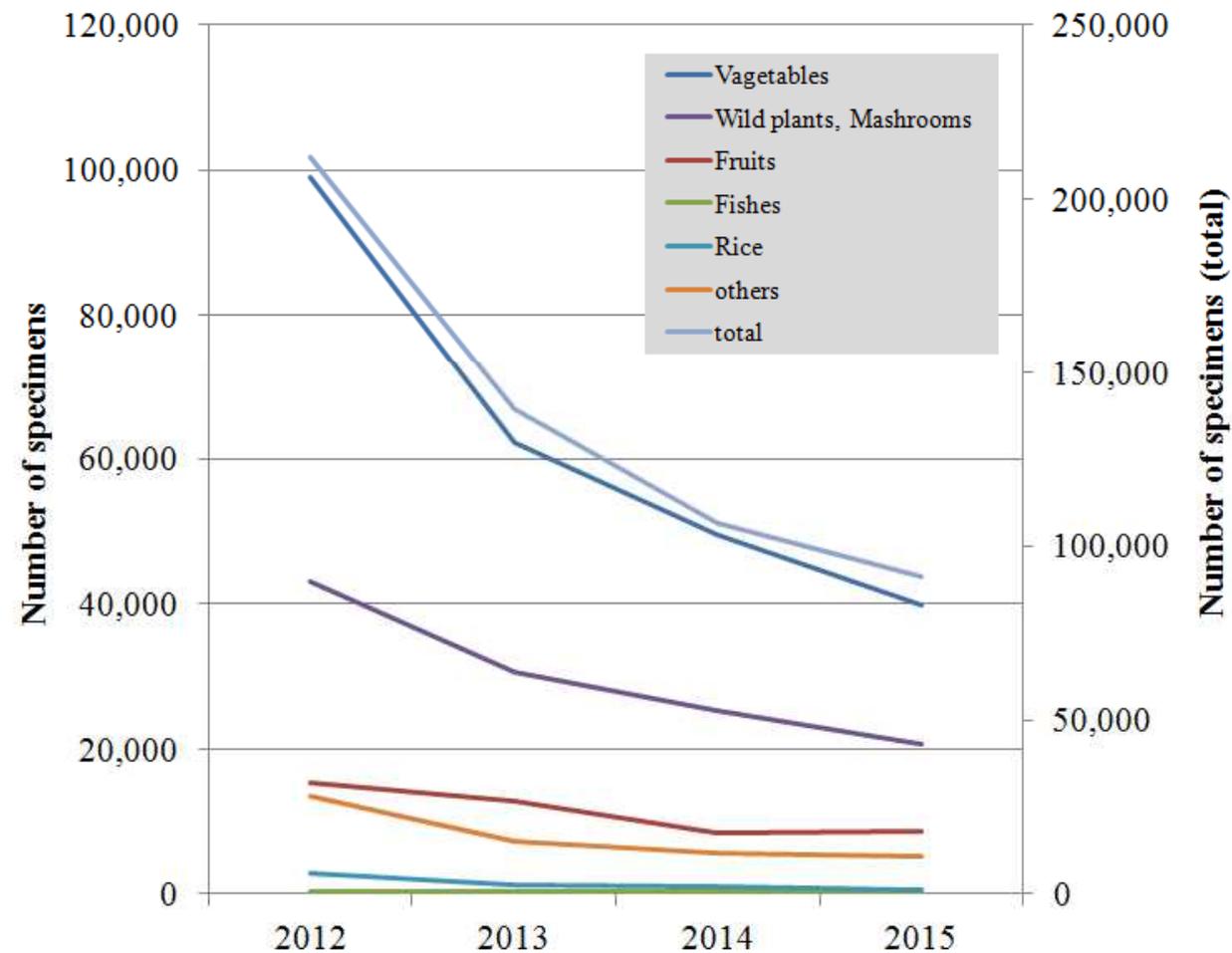


Investigated in 2012

<http://www.pref.fukushima.lg.jp/sec/16005b/hosoku-hoshanoukensa.html>

Helpful in relieving their anxieties towards radioactivity contamination

Number of specimens for food inspections of radio-cesium on self consumption products

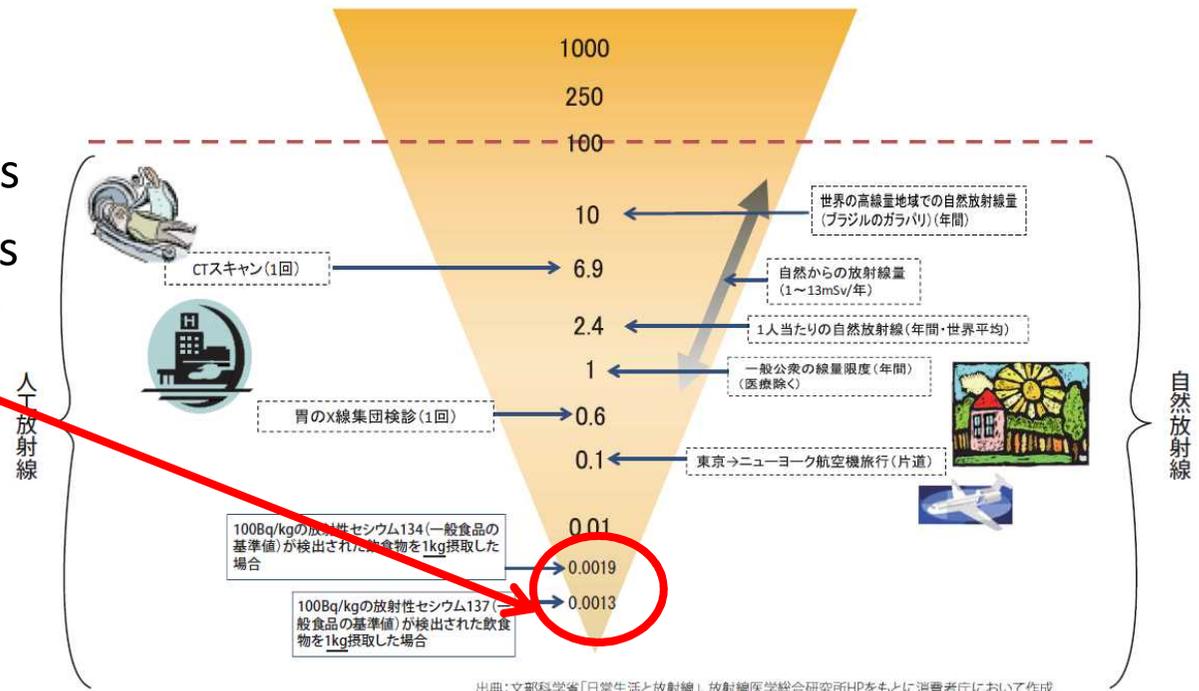


Summary

from our experiences

- According to the results of CS survey the service has been helpful in relieving anxieties to radioactivity contamination
- Citizens would like to know information about radioactivity contamination.

0.0019mSv / 100Bq ¹³⁴Cs
 0.0013mSv / 100Bq ¹³⁷Cs



出典: 文部科学省「日常生活と放射線」、放射線医学総合研究所HPをもとに消費者庁において作成

Thank you for your attention!

Takahiro Yamada, Ph.D.

Please visit information portal site provided by Fukushima pref.

<http://www.pref.fukushima.lg.jp/site/portal/t-01.html>

in English available