



# Asian Perspectives System of Protection

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# Worry about Fukushima fallout

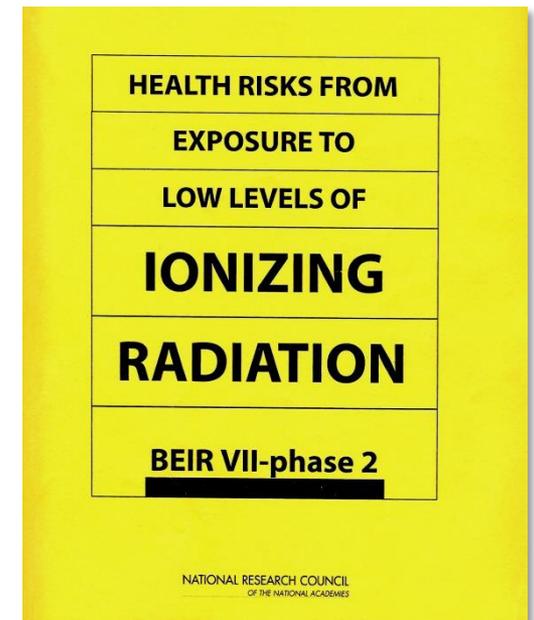
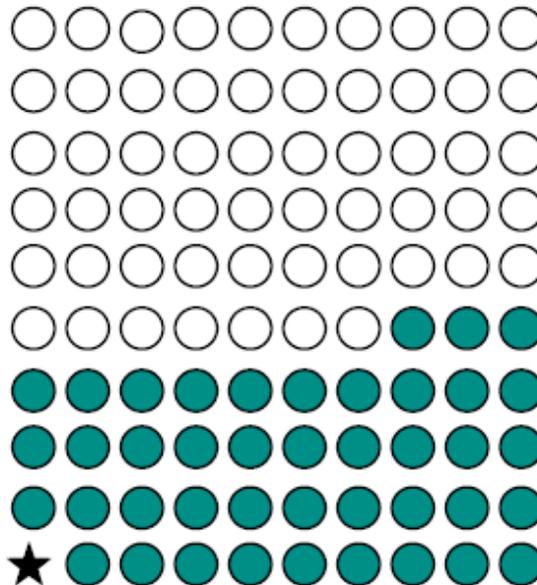
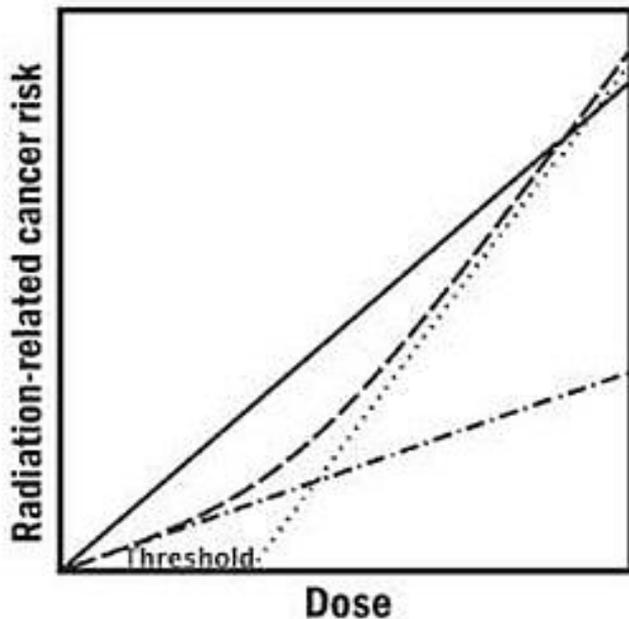


- Radioactive rain in Korea?
  - I-131 0.385~2.77 mBq/m<sup>3</sup>,
  - Cs-137 0.538~0.988 mBq/m<sup>3</sup>

# 1 mSv is not safe

- Cancer risk
  - 1% for 100 mSv means 1/10,000 for 1 mSv
  - 5,000 cancer incidence out of 50,000,000 population in Korea

by LNT(Linear No Threshold) model



# Radiation from asphalt road in Seoul



- A member of Child Save detected using survey meter
- Korea Institute of Nuclear Safety investigated
  - Cs-137 22~30 Bq/g
  - 2~3 microSv/hr on the surface
  - 0.5 mSv/year assuming 1 hour exposure/day

# Safety Management Act for Daily Life Radiation

- the safety management system on the materials and products which include natural radionuclide, and establishes the protection system from the **materials and recycled metals** over certain level of radiation concentration by installing the machines to detect radiation and radioactivity at the airport, ports and etc.
- the safety management system for **cockpit crew and flight attendants** who may be exposed to space radiation.

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