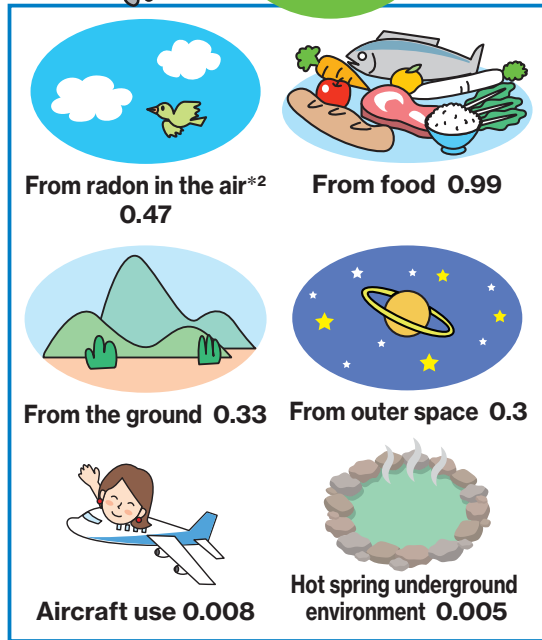


Radiation in our Daily Lives



We receive doses of radiation in our daily lives from a variety of sources.



Approx. 6000 mGy Permanent infertility (Testicular)*1
Approx. 3000 mGy Permanent infertility (Ovaries)*1

Approx. 4000 mGy Temporary hair loss*1

100 mSv or less

Amount of radiation (mSv) exposure that bears no statistical difference in terms of the risk of cancer

0.5 to 613.2 Natural radiation from the ground, Ramsar (Iran), Kerala, Chennai (India)

(No adverse impact to the health of residents found.)

2.4 Natural radiation/person (per year)
(World Average)

2.1 Natural radiation/person (per year)
(Average in Japan)

0.01 (year) Clearance level*3

0.008 Aircraft use



0.001

Less than 0.001 Records of radioactive material released from nuclear power plants

Radiation Exposure (mSv)

10000

1000

100

10

1

0.1

0.01

100 to 6,200 mGy
Cardiac catheterization (skin)

500 mGy
Cataract (vision impairment)*1

500 mGy
Reduced blood-forming function (bone marrow)*1

250 Dose limits for emergency workers at power plants, etc. *5

50 Dose limits for workers at power plants, etc. (per year)*4

5 to 30 CT (1 time)

2 to 20 PET scan (1 time)

3.0 Stomach X-ray (1 time)

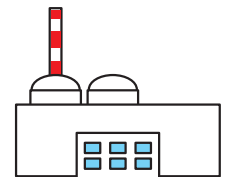
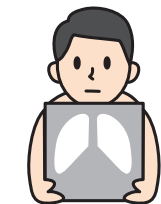
1.0 Dose limit for the general public (excluding for medical treatment) (per year)

0.06 Chest X-ray in annual checkup (1 time)

0.05 Targeted dose around a nuclear plant (per year)

0.022 Estimated dose at reprocessing plant (Rokkasho) (per year)

0.002 to 0.01 Dental X-ray



*1:When discussing radiation hazards, it is expressed as equivalent to an effective dose of 1 mSv, given that a dose of 1 mSv of gamma radiation is absorbed evenly by each part of the the entire body
*2:Radioactive substances naturally present in the air
*3:Insignificant compared to naturally-occurring radiation levels, and the level does not require handling as a radioactive substance that presents a safety risk.
*4:Dose of radiation that must not be exceeded in 1 year is 50 mSv for workers at places such as power stations, or 100 mSv over 5 years.
*5:The dose limit was raised to 250 mSv to emergency workers from April 2016 due to the revision of the Ionizing Radiation Hazard Prevention Regulations, etc.