**Radiation in Daily-life**

- **Upper limit of radiation dose permitted for people who engage in emergency work.** [250,000 μSv/year]
- **Upper limit of radiation dose permitted for radiation workers, police, and firefighters who engage in disaster prevention.** [50,000 μSv/year]

- **Radiation in Daily-life**
  - **Natural radiation dose per year.**
  - **Global average**
  - **Maximum difference of the average of natural radiation dose in each prefecture.** [~400 μSv/year]
  - **An air travel between Tokyo and New York (RT).** (Increased cosmic radiation at high altitude.) [~2,400 μSv/year]
  - **Evaluated dose of radiation from radioactive substance emitted from the nuclear fuel reprocessing plant per year.** [~200 μSv/round trip]
  - **Standard radiation dose from Clearance level.** [10 μSv/year]
  - **Standard dose of radiation around a nuclear plant (light water reactor).** [22 μSv/year]

**Units:**
- **μSv** (microsievert)

**Radiation dose (microsievert: μSv)**
- 250,000
- 50,000
- 10,000
- 1,000
- 100
- 10

**MEXT makes this, based on "Nuclear power 2002" made by Agency of Natural Resources and Energy.**

**Radiation in Daily-life**

- **Chest CT scan** [6,900 μSv/each time]
- **Dose limit for public per year (except for medical care).** [1,000 μSv/year]
- **gastrointestinal X-ray examination.** [600 μSv/each time]
- **Chest X-ray examination.** [50 μSv/each time]
- **Standard dose of radiation around a nuclear plant (light water reactor).** [50 μSv/year]

**Notes:**
- **Sv [Sievert] = Constant of organism effect by kind of radiation (※) × Gy [gray]**
- **※ It is 1 in case of X ray and γ ray.**