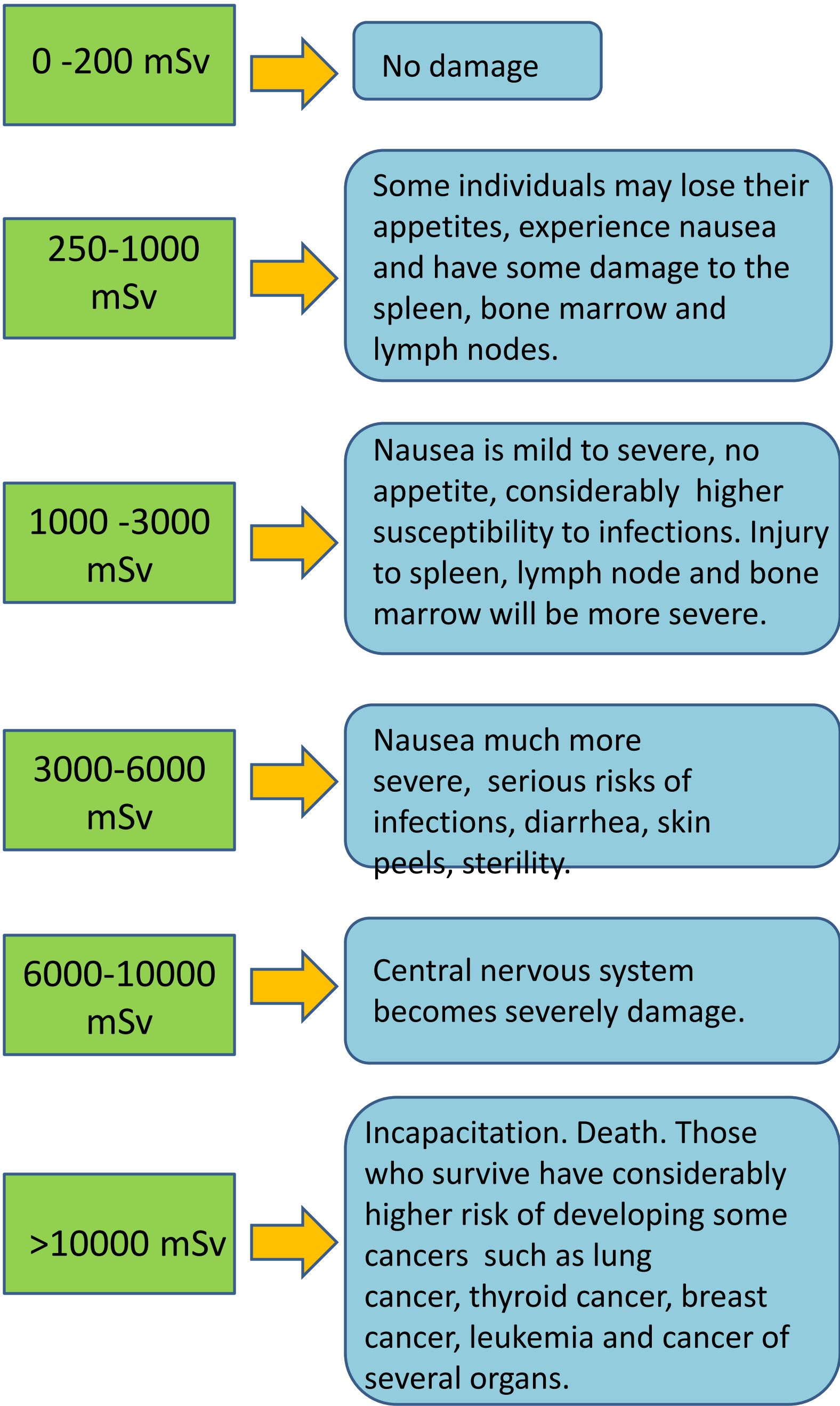


RADIATION EXPOSURE

What Is Radiation

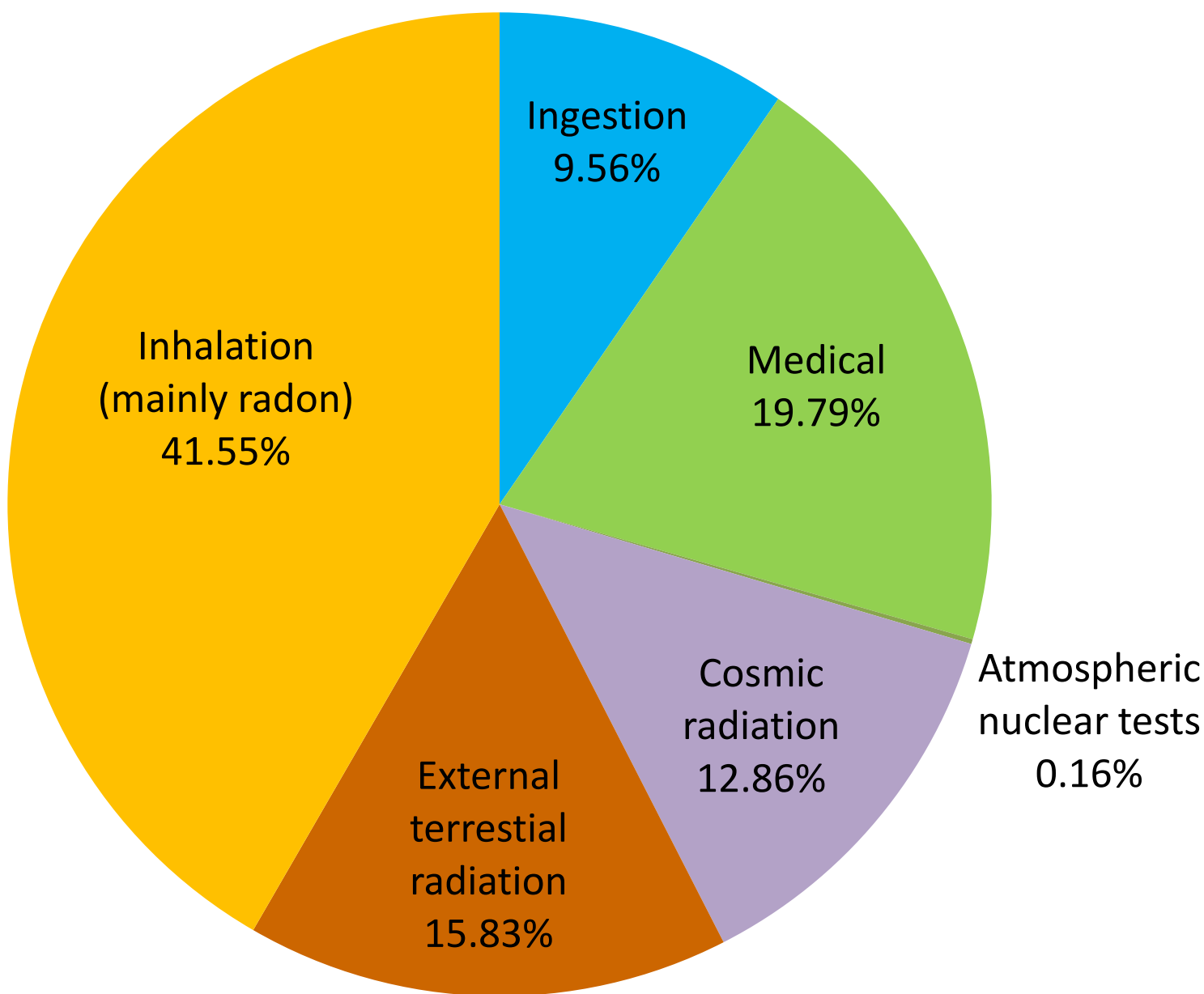
Ionizing radiation consists of energetic particles (photons, protons, electrons, alpha particles or heavy nuclei) that interact with cells in the human body and deposit part or all of their energy. This may cause changes in the tissue.

Radiation Effect




All human beings are constantly exposed to naturally occurring background radiation. No increased risk has been scientifically demonstrated from this level of exposure, through a very small increase in cancer risk may exist.

Source of Radiation Exposure



BERT Background Equivalent Radiation Times

Exam	Effective Dose (mSv)	BERT
CT abdominal	7.6	2 years
CT head	1.8	6 months
CT neck	3.6	1 year
Barium enema	8.7	2.5 years
Lumbar spine	2.1	7 months
Chest	0.04	4 days
CT Chest	7.8	26 months
Skull	0.1	10 days
Abdomen	1.2	4 months
Pelvis	1.1	4 months
Thoracic spine	1.0	3 months
CT pelvis	7.1	2 years
Hip	0.83	3 months
Extremities	0.01	1 day
Intravenous urography	4.2	14 months
Mammography	1.0	3 months