Estimate your personal annual radiation dose.

We live in a radioactive world – humans always have. Radiation is part of our natural environment. We are exposed to radiation from materials in the earth itself, from naturally occurring radon in the air, from outer space, and from inside our own bodies (as a result of the food and water we consume). This radiation is measured in units called millirems (mrems). The average dose per person from all sources is about 620 mrems per year. It is not, however, uncommon for any of us to receive less or more than that in a given year (largely due to medical procedures we may undergo). Standards allow exposure to as much as 5,000 mrems a year for those who work with and around radioactive material.**

0 0 0		YOUR ANNUAL
FACTORS	COMMON SOURCES OF RADIATION	DOSE (MREMS)
WHERE	Cosmic radiation (from outer space) Exposure depends on your elevation (how much air is above you to block radiation). Amounts are listed in mrem (per year). At sea level26 mrem 0 - 1000 ft28 3 - 4000 ft	mrem
	5-6000 ft52 [Elevation of cities (in feet): Atlanta 1050; Chicago 595; Dallas 435; Denver 5280; Las Vegas 2000; Minneapolis 815; Pittsburg 1200; St. Louis 455; Salt Lake City 4400; Spokane 1890.]	
	Terrestrial (from the ground) If you live in a state that borders the Gulf or Atlantic Coasts, add 16 mrem If you live in the Colorado Plateau area, add 63 mrem If you live anywhere else in the continental US, add 30 mrem	mrem
	House Construction If you live in a stone, adobe, brick or concrete building, add 7 mrem	mrem
	Power Plants If you live within 50 miles of a nuclear power plant, add 0.01 mrem If you live within 50 miles of a coal-fired power plant, add 0.03 mrem	mrem
F00D	Internal Radiation *	4
WATER	From food (Carbon-14 and Potassium-40) & from water (radon dissolved in water) From air (radon)	40 mrem228 mrem
FIVE YOU HOW	Jet Plane Travel	mrem mrem mrem mrem mrem mrem mrem mrem
MEDICAL TESTS	Medical Diagnostic Tests – Number of millirems per procedure+ X-Rays: Chest10 mrem Mammography42 Skull10 Cervical Spine20 Lumbar Spine600 Upper GI600 Abdomen (kidney/bladder)700 Barium Enema800 Pelvis60 Hip70 Dental Bitewing/Image0.5 Extremity (hand/foot)0.5 CT Scans: Head200 mrem Chest700 Abdomen/Pelvis1000 Extremity10 Angiography (heart)2000 Angiography (head)500 Spine1000 Whole Body1000 Cardiac2000	mrem
YO	Direct specific questions about your radiation exposure from medical tests to medical professionals and/or health physicists. UR ESTIMATED ANNUAL PADIATION DOSE	mrem
2 6 5		

- * See http://www.nrc.gov/about-nrc/radiation/health-effects/info.html#dose
- The value is less than 1, but adding a value of 1 would be reasonable.
- Some of the radiation sources listed in this chart result in an exposure to only part of the body. For example, false teeth or crowns result in a radiation dose to the mouth. The annual dose numbers given here represent the "effective dose" to the whole body.

+ Exposures for medical tests vary depending upon equipment and the patient. The doses listed are an average for an actual exposure.

Primary sources for this information are National Council on Radiation Protection and Measurements Reports: #92 Public Radiation Exposure from Nuclear Power Generation in the United States (1987); #93 Ionizing Radiation Exposure of the Population of the United States (1987); #94 Exposure of the Population in the United States and Canada from Natural Background Radiation (1987); #95 Radiation Exposure of the U.S. Population from Consumer Products and Miscellaneous Sources (1987); #100 Exposure of the U.S. Population from Diagnostic Medical Radiation (1989); and #160 Ionizing Radiation Exposure of the Population of the United States (2009).

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