Radiation we are exposed to every day

FACTORS	COMMON SOURCES OF RADIATION		YOUR ANNUAL DOSE (mREMs
Where you live	Cosmic radiation at sea level Elevation (in feet): Add the appropriate no. of mrems for your elevation 1000 - add 2		<u>26</u>
•	S. cities (in feet): Charlotte 700, Atlanta 1050, Chicago 60 stal cities are assumed to be zero, or at sea level.)	00, Denver 5,000,	
Ground	Soil, rocks, and minerals (natural isotopes) If you live in a state that borders the Gulf or Atlantic Coasts – add 16 If you live in the Colorado Plateau area (around Denver) – add 63 If you live anywhere else in the continental U.S. – add 30		
House construction	Stone, adobe, concrete, or masonry (brick or stucco) bu	nilding – add 7	
XX/1	Radon gas - U.S. average		200
What you eat, drink, and breathe	Food Water - U.S. average Air		24
	Fallout from air testing of nuclear weapons		4
Medical	No. of chest x-rays	x 10	
	No. of lower intestinal tract x-rays No. of radiopharmaceutial examinations	x 500	
	÷	x 300	
	Number of extremity (arms, legs) x-rays (Note: Average dose to U.S. population: 92 mrems	x 20	
Dental	No. of bitewing series	x 40	
	No. of panorex x-rays (full mouth series)	x 500	
Travel	Jet plane – for each hour in the air - add 0.5		
Household	Luminous clocks - for each clock add 9		
	Luminous wristwatch – add 2 TV viewing and computer CRT monitor		
	for each hour per day (average)	x 0.15	
	No. of Smoke detectors	x 0.002	
	Sleep with spouse and/or siblings	x 0.1	
How close you live to a nuclear power plant	At site boundry: average no. of hours per day	x 0.2	
	One mile away: average no. of hours per day	x 0.02	
	Five miles away: average no. of hours per day	x 0.002	
	More than 5 miles away: none e dose determined by "as low as reasonably achievable" (ALARA) criter Commission. Experience shows that your actual dose is substantially less		