

HOW MUCH RADIATION IS IN A DENTAL

DIGITAL X-RAY


Ever wonder how much radiation there is in a DENTAL DIGITAL X-RAY?

RADIATION DOSAGE CHART

MAXIMUM ANNUAL DOSE PERMITTED
IN US RADIATION WORKERS



50.0
MILLISIEVERTS (MSV)

	Smoking 1.5 packs a day for one year	36.0		Flight from New York to LA	0.04 <small>8x more</small>
	Average CT scan	10.0		Background dose received by average person on an average day	0.01 <small>2x more</small>
	Dose from spending one hour on the ground at Chernobyl (2010)	6.0		Dental X-ray	0.005
	Mammogram	4.0		Using a CRT monitor for one year	0.001
	Average background dose per person per year (natural background radiation)	2.4 <small>480x more</small>		Airport security scan	0.00025
	Spinal X-ray	1.5		Eating a banana	0.00010
	Annual dose received through food	0.4 <small>80x more</small>		Living within 50 miles of a nuclear power plant for a year	0.00009
	Chest X-ray	0.1		Sleeping next to someone	0.00005
	Living in a stone, brick or concrete building for one year	0.07			

Sources: BBC Guardian Datablog, Mayo Clinic, XXCD data: bit.ly/RadiationChart. Note: logarithmic scale & average doses used.