

Rubric for Project Activity

“A Chest X-Ray Is Equal to 10 Days of Natural Radiation. Is Radiation Bad?”

1. Procedure:	2. * An adult's approximate effective radiation dose is:	3. Comparable to natural background radiation for:	4. For the blank areas, did these BERT numbers surprise you? What are your thoughts about the excessive amount of repeats or exposures you see in the clinic after seeing this?
ABDOMINAL REGION:			
Computed Tomography (CT)-Abdomen and Pelvis	10 mSv	3 years	
Computed Tomography (CT)-Abdomen and Pelvis, repeated with and without contrast material	20 mSv	7 years	
Radiography (X-ray)-Lower GI Tract	8 mSv	3 years	
Radiography (X-ray)-Upper GI Tract	6 mSv	2 years	
BONE:			
Radiography (X-ray)-Spine	1.5 mSv	6 months	
Radiography (X-ray)-Extremity	0.001 mSv	3 hours	
CENTRAL NERVOUS SYSTEM:			
Computed Tomography (CT)-Head	2 mSv	8 months	
Computed Tomography (CT)-Head, repeated with and without contrast material	4 mSv	16 months	
Computed Tomography (CT)-Spine	6 mSv	2 years	
CHEST:			
Computed Tomography (CT)-Chest	7 mSv	2 years	
Radiography-Chest	0.1 mSv	10 days	
WOMEN'S IMAGING:			
Bone Densitometry (DEXA)	0.001 mSv	3 hours	
Mammography	0.4 mSv	7 weeks	