**PERCENTAGE OF X-RAY MODALITIES IN UMMC**

- **C-Scan**
- **DR**
- **Digital X-Ray**
- **Angio**
- **Cardiac Angio**
- **Fluoro**
- **CT Scan**
- **MR**
- **MRI**

**Radiation Effects**
- Measurement is significant: J/A Exposure is cumulative.
- Potentially fatal radiation sickness.
- Much higher risk of cancer later in life.
- 10,000 mSv: Fatal within days.
- 5,000 mSv: Would kill 50% of those exposed within one month.
- 2,000 mSv: Acute radiation sickness.

- 500 mSv: Higher chance of cancer.
- 100 mSv: Higher radiation recorded at Presbyterian.
- Exposure to radiation can cause cancer.

**Skin**
- High doses can cause death by death.
- High doses can cause skin to die.

**Bone Marrow**
- Produces red and white blood cells. Radiation can lead to leukemia and other immune system disorders.

**Soft Tissue**
- High doses can cause death by death.

**Reference**: The Joint Commission, Diagnostic & Interventional Radiology Physicist