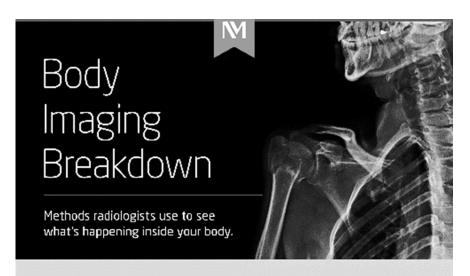
## X-Ray Technician Safety Infographic







## X-Rays

- Send electromagnetic radiation through the body, which is absorbed differently based on tissue density.
- · Create a 2-D image of the inside of the body.
- Commonly used to look at bones for fractures, or the chest for infections or other problems, like fluid.
- Require patient to wear lead shield to protect the rest of the body from radiation.

## Ultrasound

- Sends high-frequency soundwaves through the body that are reflected differently depending on tissue density.
- · Creates a moving 3-D image to show how organs and fluids are moving.
- Commonly used during pregnancy to view fetus, or to look at abdominal organs.
- Can be used on the heart (echocardiogram) to see how blood is moving.
- Involves a wand-like instrument called a transducer, and a water-based gel applied to the skin.



Source: https://www.nm.org