

## What is a Medical Event - 2010

- **MEDICAL EVENT** has been defined as follows and must be reported to the NRC within the next calendar day with a written report to follow in 15 days. Except in the case of patient intervention.

1. The radiation dose (mrem) delivered **DIFFERS** from the radiation dose that would have resulted from the prescribed dosage (mCi) by more than:

5 rem (0.05 Sv) Effective Dose Equivalent (EDE) – Whole Body  
50 rem (0.5 Sv) to an organ or tissue or  
50 rem (0.5 Sv) Shallow Dose Equivalent (SDE) – Skin

**AND**

The total dosage (mCi) delivered differs from the prescribed dose by +/- 20% or more

**or**

The total dosage (mCi) delivered falls out of the prescribed dosage range.

2. A radiation dose exceeds -

5 rem (0.05 Sv) Effective Dose Equivalent (EDE) – Whole Body  
50 rem (0.5 Sv) to an organ or tissue or  
50 rem (0.5 Sv) Shallow Dose Equivalent (SDE) – Skin

from any of the following:

Wrong Radioactive Drug  
Wrong Route of Administration  
Wrong Individual  
Delivered by Wrong Mode of Treatment  
Leaking Source

3. A radiation dose (mrem) to the skin or an organ or tissue other than the **treatment site** exceeds 50 rem (0.5 Sv) to an organ or tissue

**AND**

Exceeds 50% or more of the radiation dose expected from the administration as noted in the written directive.

(This excludes permanent implants, seeds that were implanted correctly and migrated outside the treatment area.)