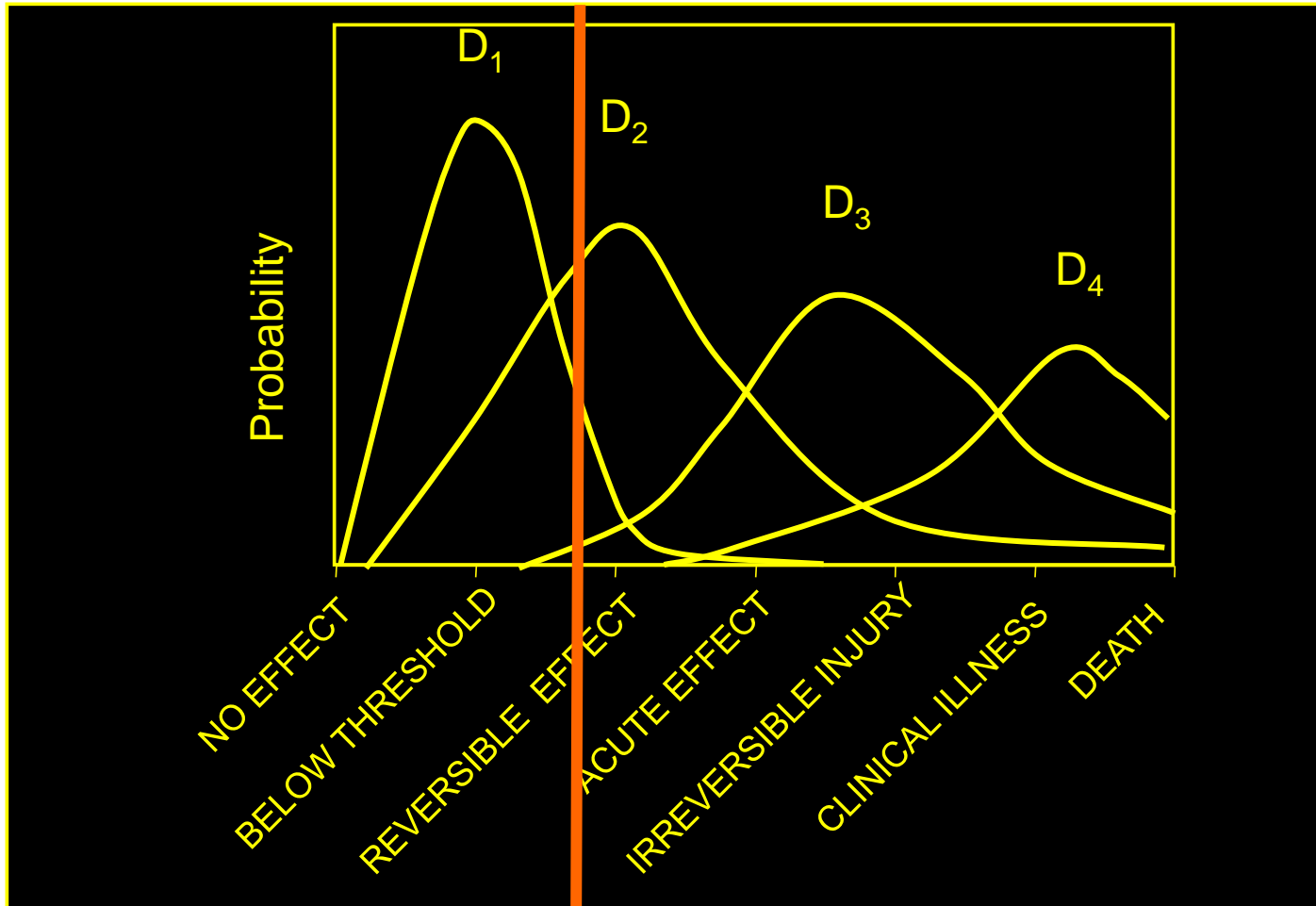


Radiation Risks Change with Exposure



PEL

description of the slide

- This slide shows the dependence of the probability of various radiation biological effects occurrence on the radiation dose.
- The graph indicates that than the dose is higher so greater the probability of systemic violations occur.
- The range of possible effects increases with increasing dose.
- At increase doses the probability of each of the biological effect occurrence decreases.

justification of my choice

The slide is important to understand the radiation risk because of:

- 1) provides a visual representation that the risk depends of dose- nonlinear;
- 2) shows that radiation risk is not equivalent to the risk of a particular disease appearance;
- 3) radiation risk is the integral value, and requires a complex mathematical model.

This slide yields the most complete picture of the effect depends on the radiation dose