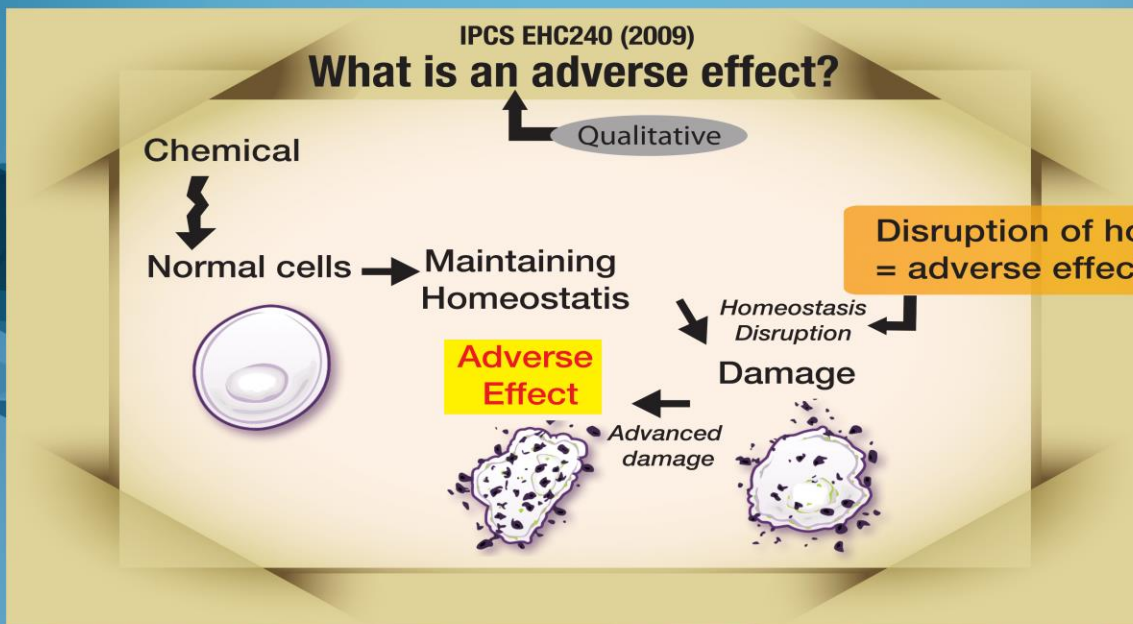


# RISK AND HAZARD

## Difference between Risk and Hazard

**Hazard:** Inherent **property** of an agent to cause adverse effects when an organism, system or (sub) population is exposed to that agent

**Risk** : **The probability** of an adverse effect in an organism, system or (sub) population caused under specified circumstances by exposure to an agent.



Risk = Toxicity (adverse effect) x Exposure



Two types of adverse health effect on humans

