

Creating a Flood Ready Community

Delaware Planning
Education Program



Module 1

Risk and Hazard Concepts





Hazard (*Flooding)



Riverine



Coastal



Drainage

Adapted from FEMA, IS-393.A
Introduction to Hazard Mitigation



Exposure



People



Property



Systems

Adapted from FEMA, IS-393.A
Introduction to Hazard Mitigation



Vulnerability



Building Standards



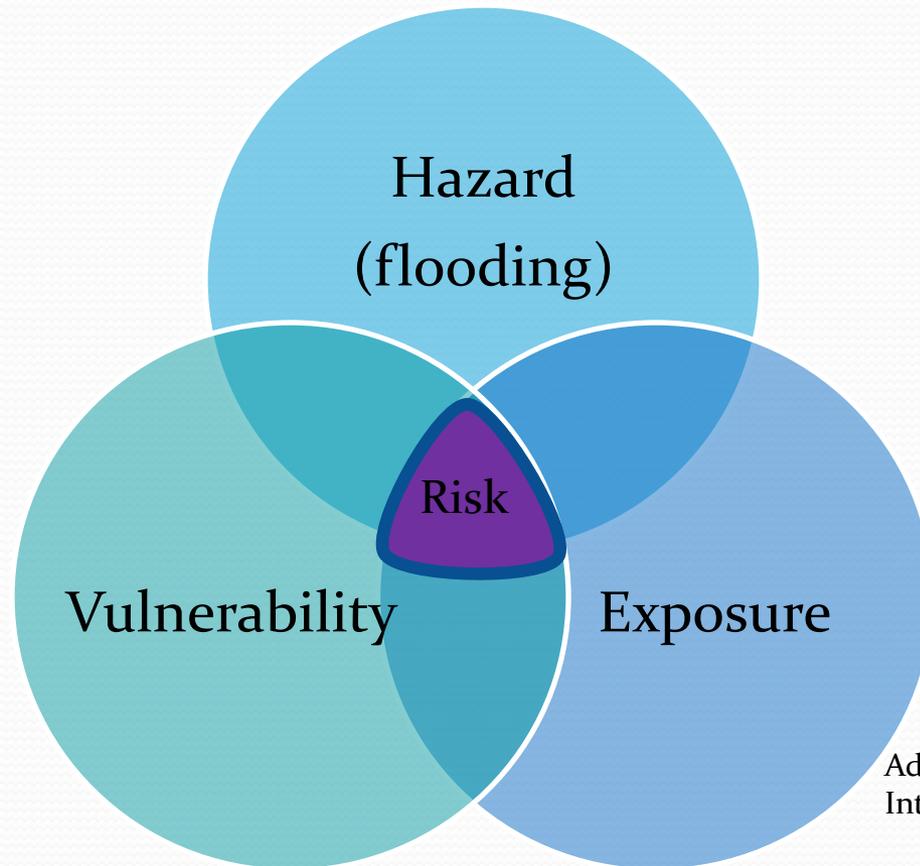
At-risk populations



Flood Attenuation

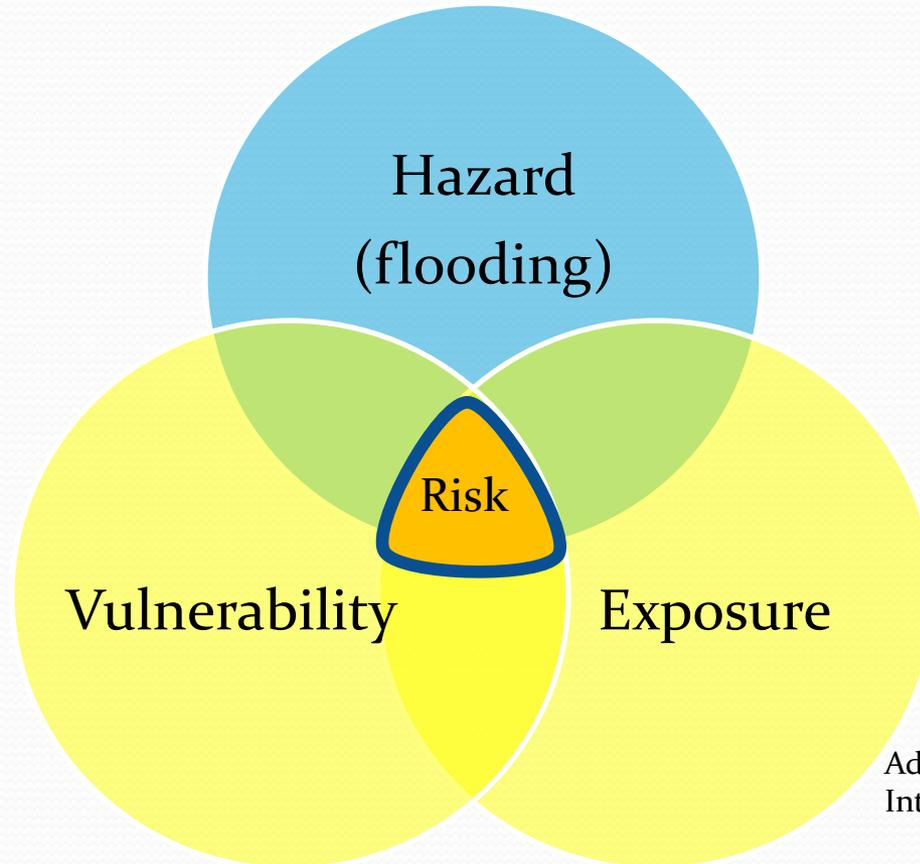
Adapted from FEMA, IS-393.A
Introduction to Hazard Mitigation

Risk = Hazard & Exposure & Vulnerability



Adapted from FEMA, IS-393.A
Introduction to Hazard Mitigation

Risk = Hazard & Exposure & Vulnerability



Adapted from FEMA, IS-393.A
Introduction to Hazard Mitigation

Mitigate and Adapt to Reduce Risk



Protect



Retreat



Accommodate



Avoid

Municipal officials hold the keys to reducing flood risk

- Building codes and zoning
- Infrastructure Improvements
- Conservation and enhancement of natural areas
- Education and outreach
- Evacuation and response plans
- Funding
- Planning Tools
 - Comp Plans, Hazard Mitigation Plans, Capital Spending Plans



Module 1 Questions?

