

Emergency Planning and Continuity Workgroup

Welcome

Thank you for joining us.



Pennsylvania
Department of Human Services



Hazard Vulnerability Assessment

*Building Resilience Through
Strategic Risk Assessment*

The Value of Preparedness



Saves lives and
protects
essential
services.



Minimizes
recovery costs.



Meets
regulatory
compliance.



Builds public
trust and
reputation.

Objectives

- The value of preparedness.
- Definition of a hazard and overview a hazard vulnerability assessment.
- Highlight flooding hazard and other hazards.
- Walkthrough the HVA tool and information resources.



What is a hazard?



May hurt people, damage property, or disrupt activities.

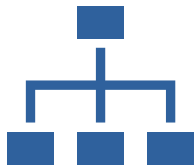


Could be a **natural**, a **human-made**, or **technological** occurring event. 2023 [PEMA Hazard Mitigation Plan](#)



Are important to identify so we can **prepare and protect**. [ReadyPA.gov](#)

What is the Hazard Vulnerability Assessment?



A structured framework for identifying and prioritizing hazards.



Evaluates impact across **essential services** and the likelihood of impact.



Helps align emergency planning training and exercise with actual risks.

Case Study Hazard: Flooding

High-likelihood hazard in many Pennsylvania regions.

Can disrupt infrastructure and isolate communities.

Risk varies by geography and mitigation readiness.



Community Integration & Participation

Essential Service Impact:

Includes transportation, public activities, socialization, and access to services.

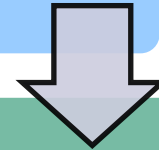
Essential for the ISP, but also inclusive disaster recovery and long-term resilience.

Often vulnerable to disruption from environmental hazards.



▶ Completing the HVA Tool – Step by Step

Select hazard: “Flooding”



Rate likelihood, severity,
mitigation

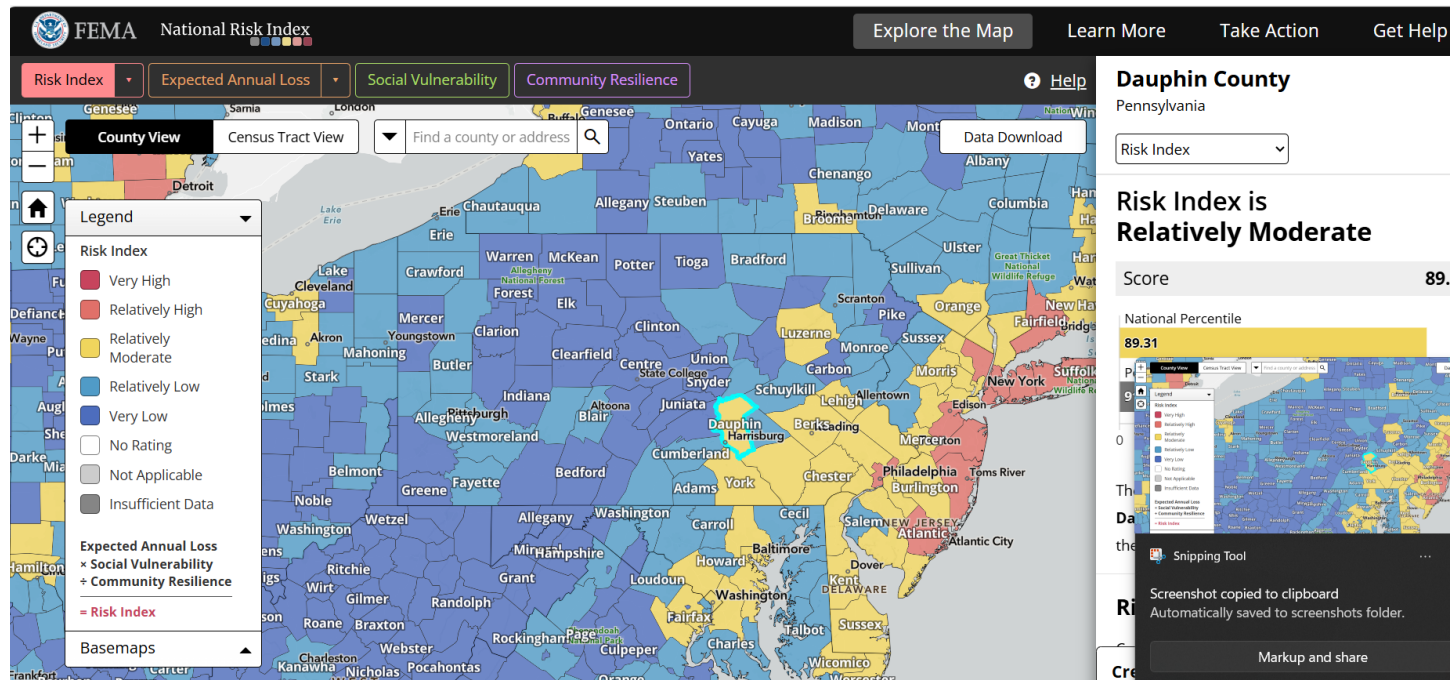


Identify affected services (e.g.,
Community Integration)



Review risk score and priority
ranking

FEMA's National Risk Index for Natural Hazards



Visualize hazard exposure, population needs, and resources.



Map zones, vulnerable populations, and emergency assets.



Use data to inform HVA inputs.



Source: [FEMA NRI](https://hazards.fema.gov/nri/map) -
(<https://hazards.fema.gov/nri/map>)



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FEMA's Resiliency Analysis & Planning Tool (RAPT)



Visualize hazard exposure, population needs, and resources.



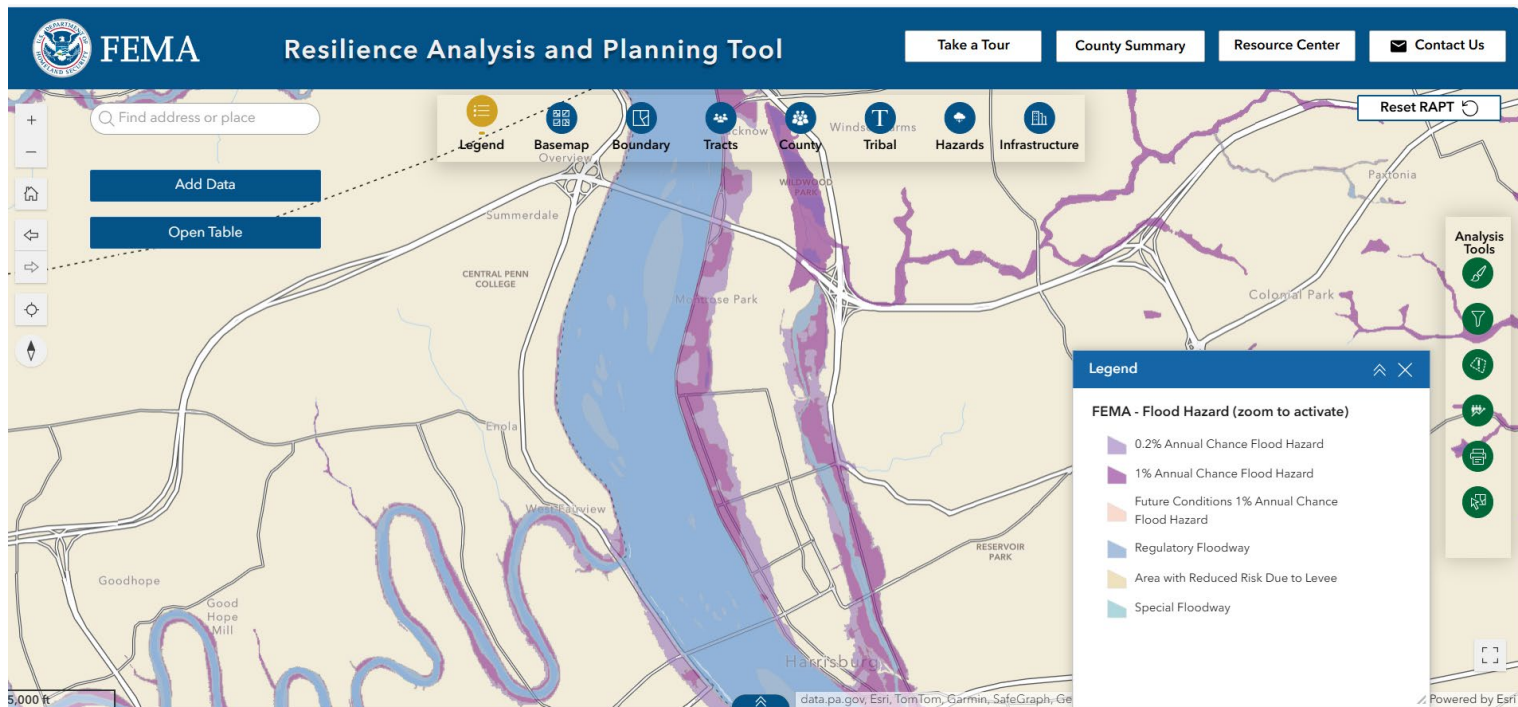
Map flood zones, vulnerable populations, and emergency assets.



Use data to inform HVA inputs.



Source: [FEMA RAPT](https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool) –
(<https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>)



Understanding the Output



Composite risk scores across hazards.



Prioritization matrix to guide planning.



Identifies gaps in mitigation and preparedness.

Summary & Next Steps



Disaster preparedness = smart investment.



HVA Tool helps focus on real risks to services.



Use data from tools like FEMA RAPT to guide decisions.



Update assessments annually or after major events.