

Human Research Emergency Planning and Readiness

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Agenda

- Case Studies
- Hazards
- Plans
- Preparedness Actions
- Emergency Procedures

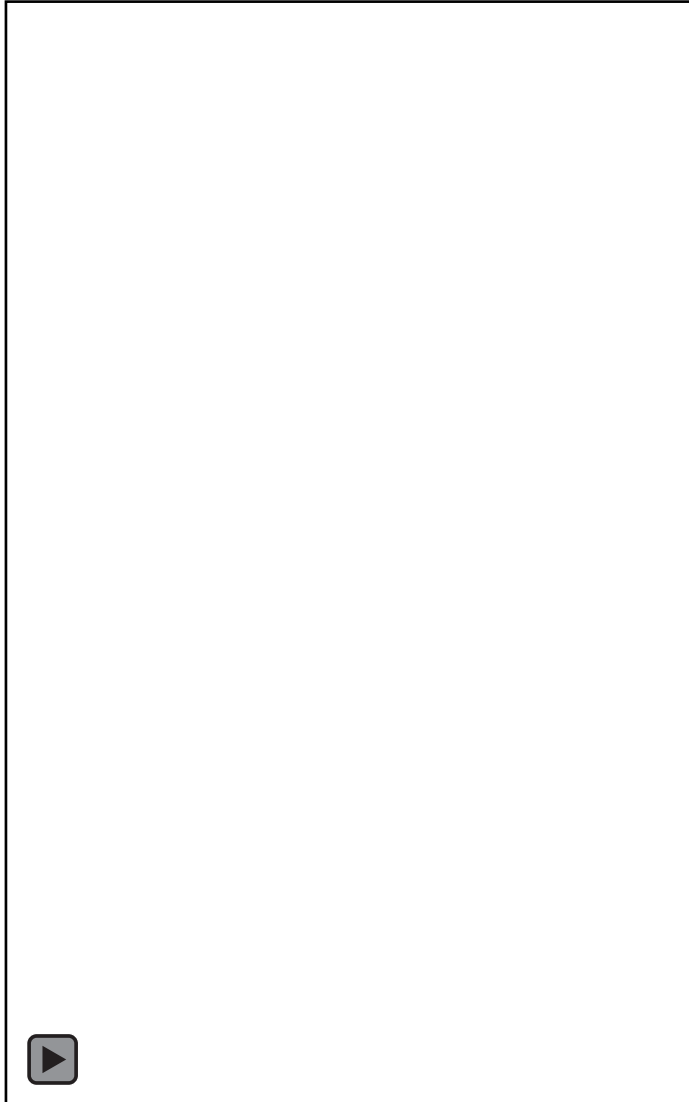
Case Study – Utility Outage

Penn St. @ Lemmon St.

- No heat, hot water, or sterilization
- Caused flooding, fire sprinkler activations & network outages
- Impacted 5 UMB Buildings
- Utility restoration took 5 days
- Building repairs took longer



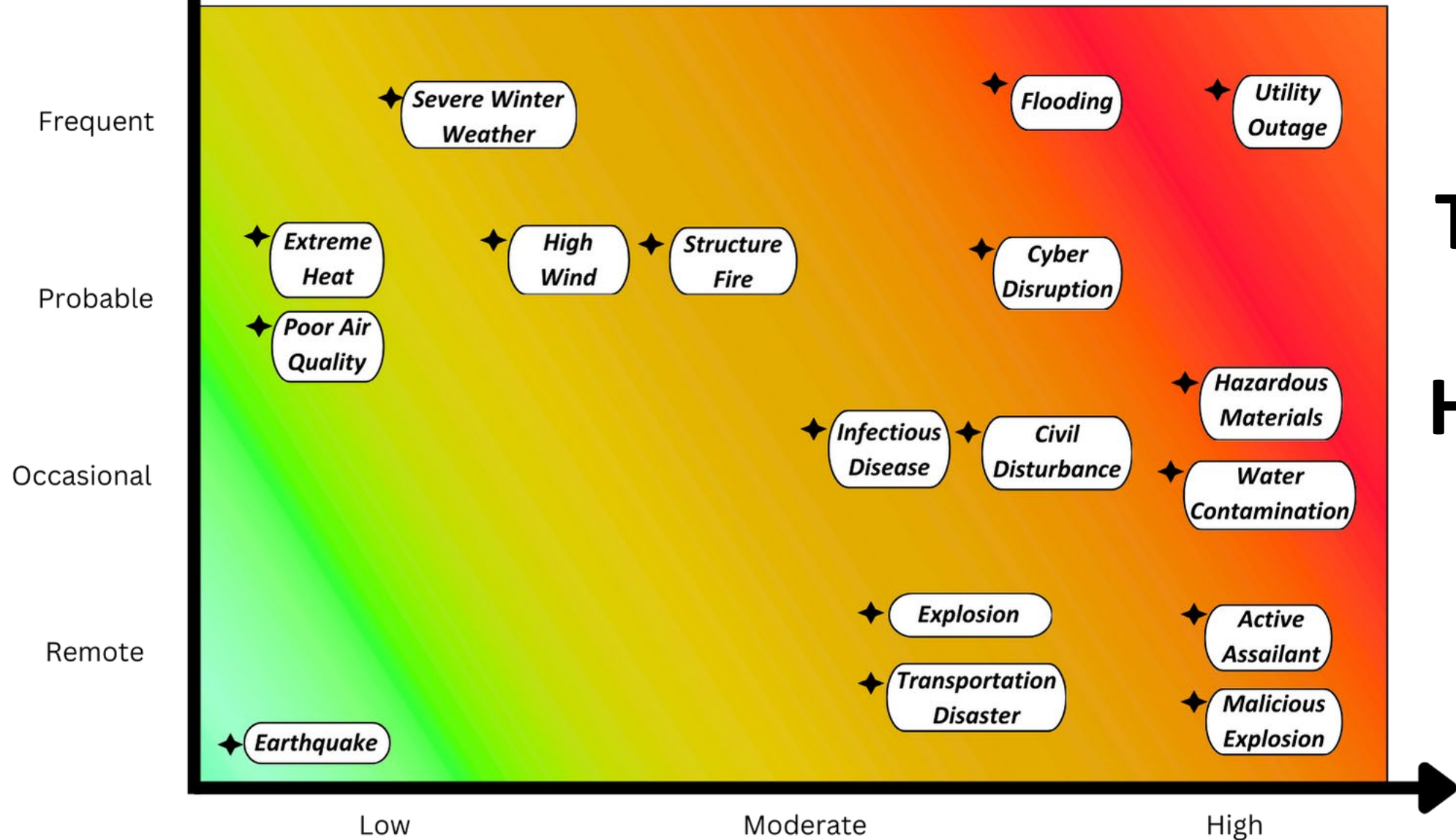
Case Study – Flooding



Most Common Insurance Claim at UMB

- Cause water outages, ceilings to fall, damage to equipment
- Repairs can take over a month

Probability



Threats & Hazards Risk Profile

Vulnerability

Emergency Plans

Emergency Operations



Emergency Responders

How UMB prepares for and responds to emergencies.



Human Research Preparedness



Human Research Teams

How to prepare for and respond to emergencies involving human subjects.



Occupant Emergencies



Building Specific

How to prepare for and respond to emergencies in UMB buildings.



Research Continuity



Human Research Teams

How to prevent disruptions to your research from emergencies.



Emergency Preparedness Actions



Read the Human Research Preparedness Plan



Review the Occupant Emergency Plan (OEP) for your building



Complete 15-min. Emergency Preparedness training



Save contact info for your Emergency Management Team (EMT) representatives



Verify contact info in UMB Alerts



Create a Research Continuity plan

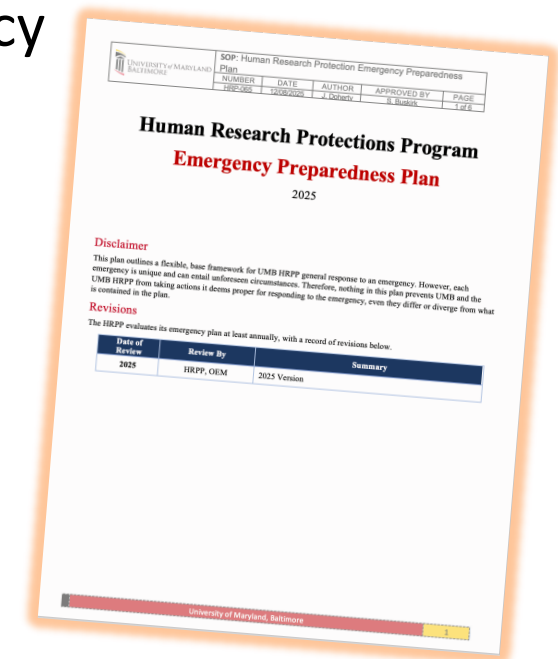
Preparedness Plan



Read the Human Research Preparedness Plan

- Protects rights and welfare of research participants in emergencies
- How to request assistance during an emergency

umaryland.edu/hrp



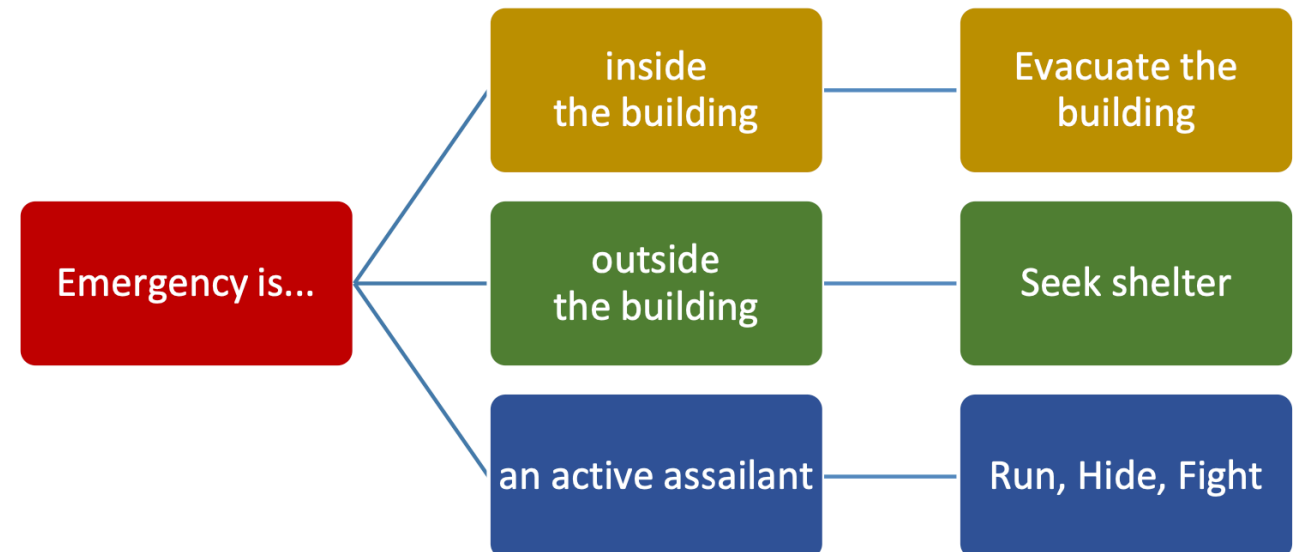
Occupant Emergency Plans



Review the Occupant Emergency Plan (OEP)
for your building



umbsafe.org/OEP



Emergency Training



Complete 15-min. Emergency Preparedness training



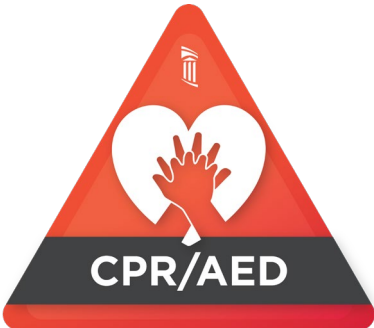
umbsafe.org/OnlineEMPrep

Do you know what to do or where to go in the event of an active assailant?

Run away, far away from the sound of the gunfire.

Silently hide in a dark locked room without windows.

Preparedness Pro



umbsafe.org/emtraining



Look for Preparedness Ambassadors at UMB!



Emergency Management Team



ADMINISTRATION AND FINANCE



Save contact info for your School's Emergency Management Team (EMT)

- Coordinate emergency planning & responses for your School
- Have emergency authority to make decisions & commit resources



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UMB Alerts



Verify your contact info in UMB Alerts

- Encourage your team to check too!



umaryland.edu/alerts/



Continuity Planning



Create a Research Continuity Plan



umbsafe.org/COOP



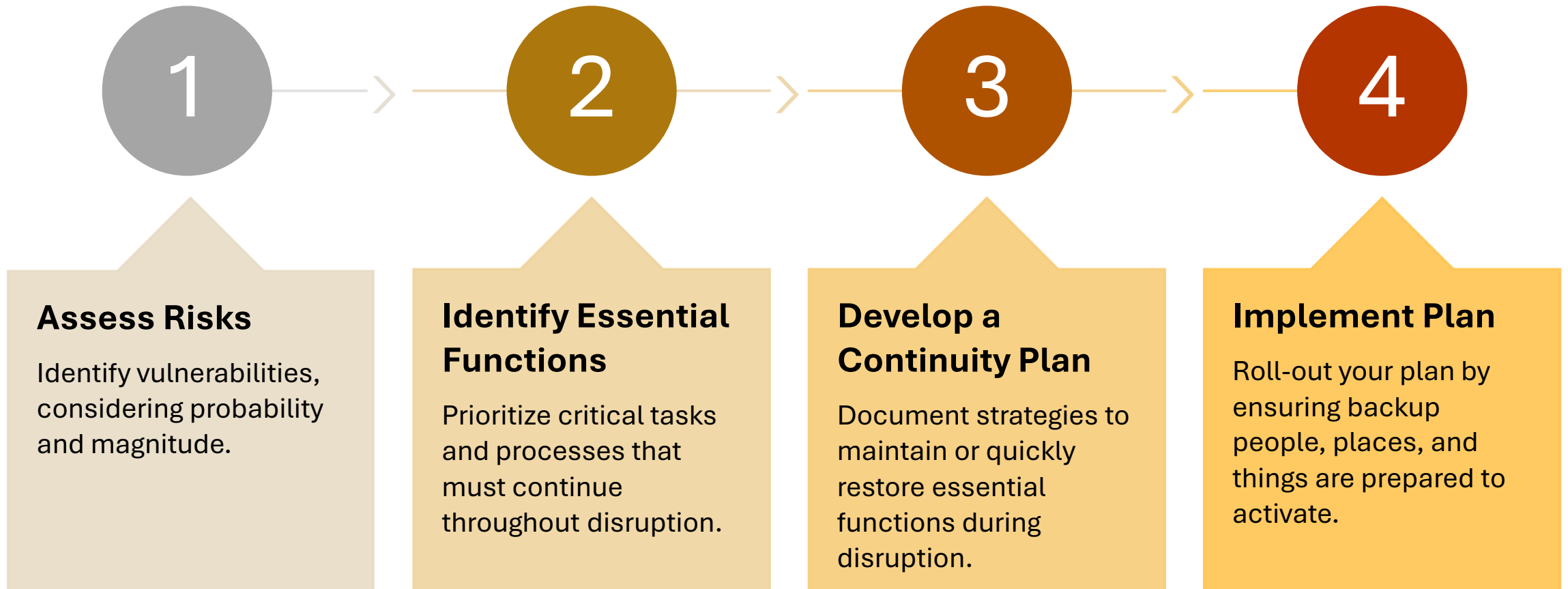
What is COOP?



Continuity of Operations

The readiness to *continue* performing the **most important** and **time sensitive** work, even when disrupted by a big emergency.

How do I prepare for a continuity event?



Continuity eLearning



ADMINISTRATION AND FINANCE



[umbsafe.org/
COOPTraining](https://umbsafe.org/COOPTraining)



Research Continuity Plan

Lab Details

Principal Investigator:	
Building & Room Number:	
Primary Research Focus:	
Date Plan Completed:	

Primary Contact

Name:
Role:
Phone:

Secondary Contact

Name:
Role:
Phone:

Tertiary Contact

Name:
Role:
Phone:

Alternate Location Requirements

Identify the resources, equipment, and space requirements you would need to relocate your lab space. If you have an alternate lab space determined, please write detailed here on the process you would follow to relocate.

Vital Assets

List vital assets within your research space, to include location and instructions for continuity.

ASSET NAME	LOCATION	DESCRIPTION

Research Continuity Plan

Essential Functions

List and describe your essential functions. Be sure to note the "people" needed for the function, the "place" where the function occurs, and the "things" needed to perform the function. For each of these components, list back-up strategies in the event the primary is unavailable.

ESSENTIAL FUNCTION:

DESCRIPTION

ESSENTIAL FUNCTION:

DESCRIPTION

ESSENTIAL FUNCTION:

DESCRIPTION

Other COOP Resources

- Department Continuity Planner Checklist
- Alternate Space Requirements Tool
- COOP Roll-Out Checklist
- Email us!

emergencymanagement@umaryland.edu



Human Research Protections Program Emergency Preparedness

- Human Research Protection Plan
 - <https://www.umaryland.edu/media/umb/oa/hrp/documents/HRP-101---HRPP-Plan.pdf>
 - Emergency Preparedness
 - Page 29
- Investigator Manual
 - <https://www.umaryland.edu/media/umb/oa/hrp/documents/investigator-manual/HRP-103---Investigator-Manual.pdf> - Appendix 13, page 75

Human Research Protections Program Emergency Preparedness Plan

- HRP SOP 065
- <https://www.umd.edu/hrp/for-researchers/investigator-manual/referenced-materials/>

HRPP Emergency Preparedness SOP 065

- Identifies how the rights and welfare of research participants are protected during an emergency involving the University of Maryland, Baltimore (UMB). It establishes the process for initiating a response to an emergency/disaster situation impacting the Human Research Protections Program (HRPP) or HRPP operations

Emergency Preparedness Actions

- The following actions prepare IRB members and staff, researchers and research staff, and other persons in the HRPP to be knowledgeable about UMBs response plans and expectations during emergencies:

Human Research Emergency Procedures



Emergency Notification



Take Protective Actions & Call 911



Assess for Additional Threats or Risks



Assess Operational Impact



If needed, IRB Review



Assess Impact to Research

Emergency Notification



Recognize an Emergency Notification

- Observe a life-threatening situation
- Alarm notification (fire, hazard, monitor, etc.)
- Receive a UMB Alert

umaryland.edu/alerts/



Protective Actions

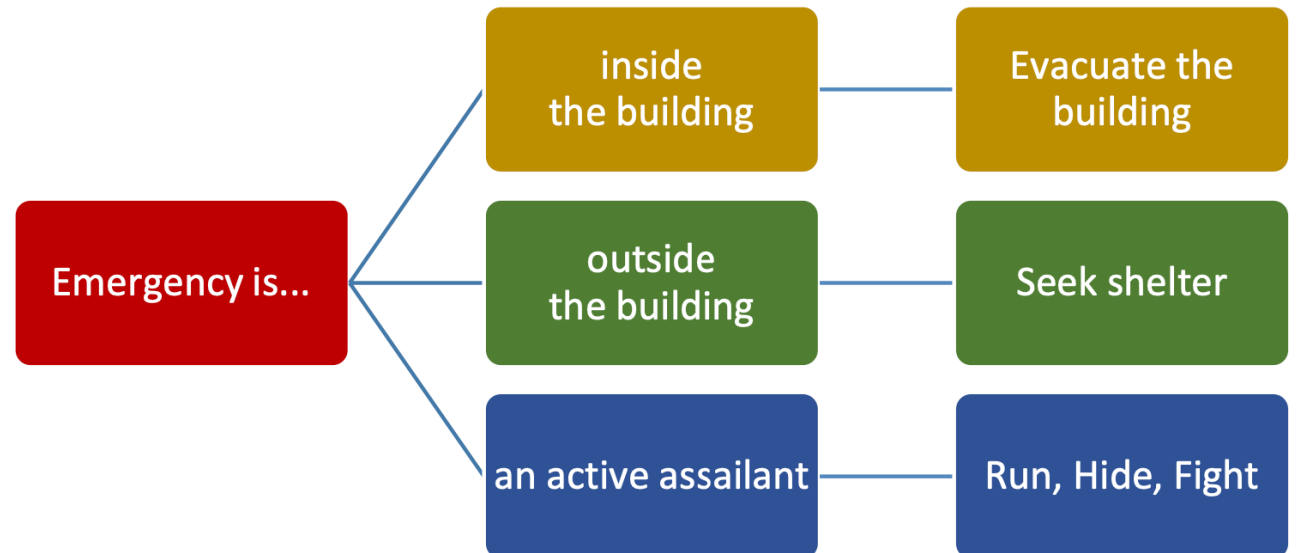


For Life-Threatening Emergencies,
Take Protective Actions

- **CALL 911**



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Assess Threats & Hazards



Assess for additional Threats & Hazards

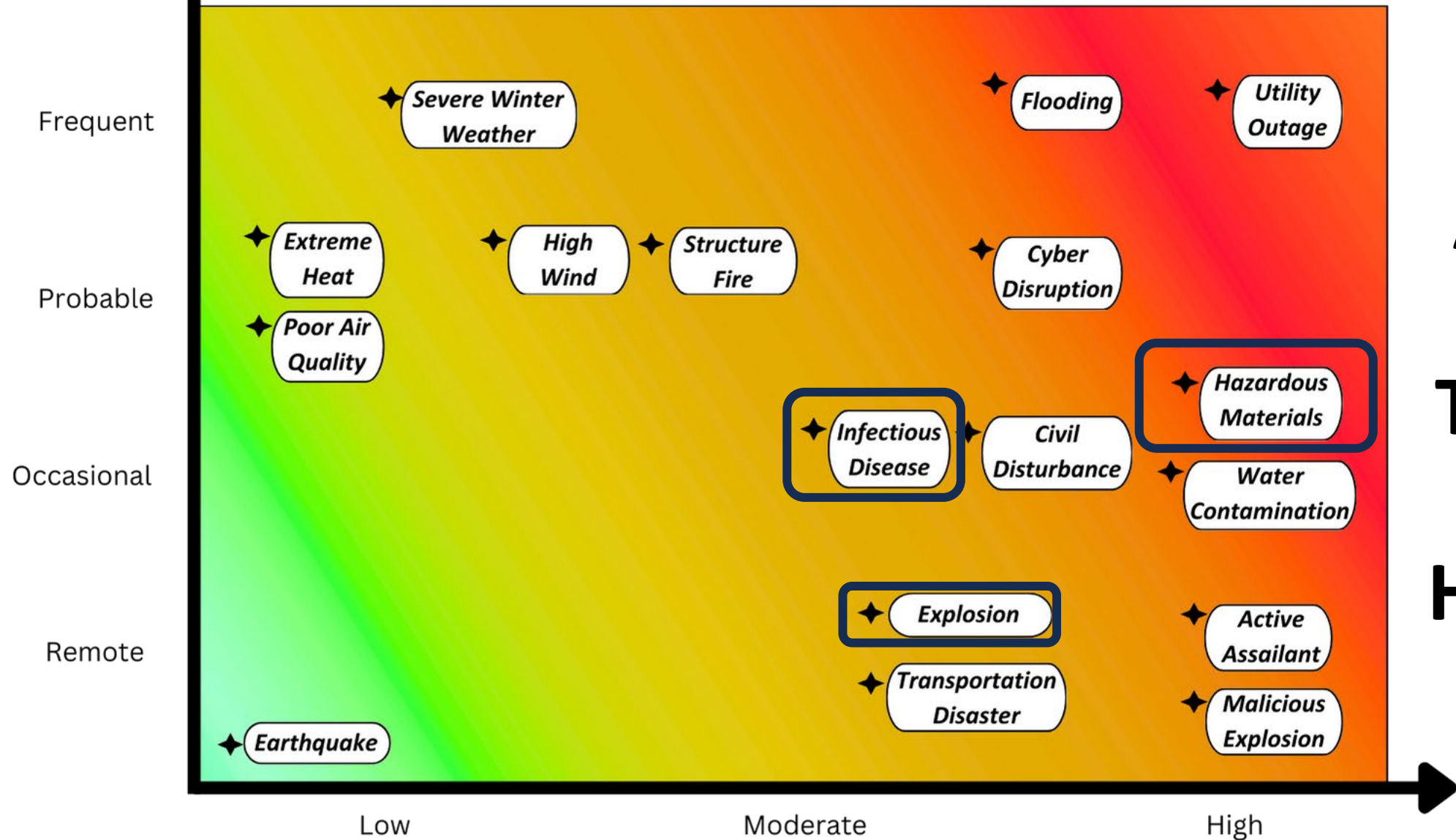
- Notify your School's Emergency Management Team (EMT)



umbsafe.org/EMT



Probability



Assess
for
Threats
&
Hazards

Vulnerability

Operational Impact



Continuity Planning

- Review your COOP plan to identify potential impact to essential functions
- Follow institutional Office of Emergency Management guidance
- Follow UMB HRPP guidance issued by the UMB Institutional Official
- COOP Plan? Consider the following...
 - Any IRB meetings need to be postponed/rescheduled?
 - Able to process ongoing protocols?
 - Expected long-lasting impact to HRPP operations?
 - Data/records available?

umb-safe.org/COOP



IRB Review



Could the incident necessitate additional flexibility in IRB review processes?

- If so...
 - Review the Additional Emergency-Disaster Review Considerations worksheet
 - Communicate with IRB members
 - Determine communications needed to the research community

Assess Research Impact



Assess whether Human Research can continue

- Notify research community
- Develop guidance for researchers on IRB review
- When incident is over, notify research community of normal operations





Questions?