# Meeting the Health Needs of Communities During a Disaster



## Objectives

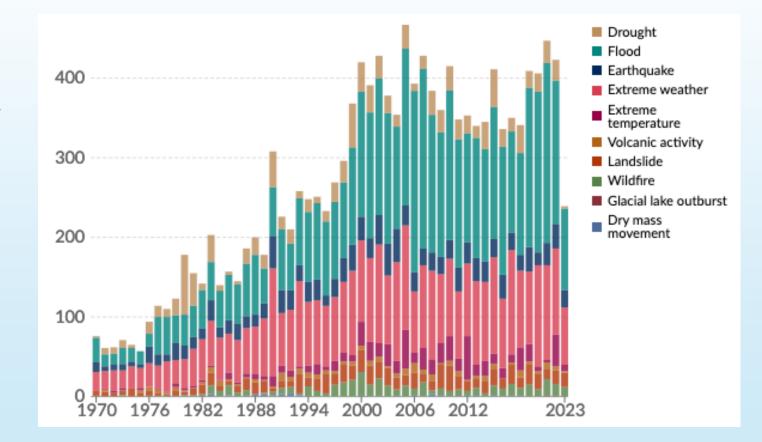
Attendees will be able to:

- 1. Explain the effects of disasters on individuals, families, populations, and communities.
- 2. Describe the roles and responsibilities of the public health during a disaster.
- 3. Discuss strategies for maintaining the health of communities throughout the disaster cycle.

#### Agenda

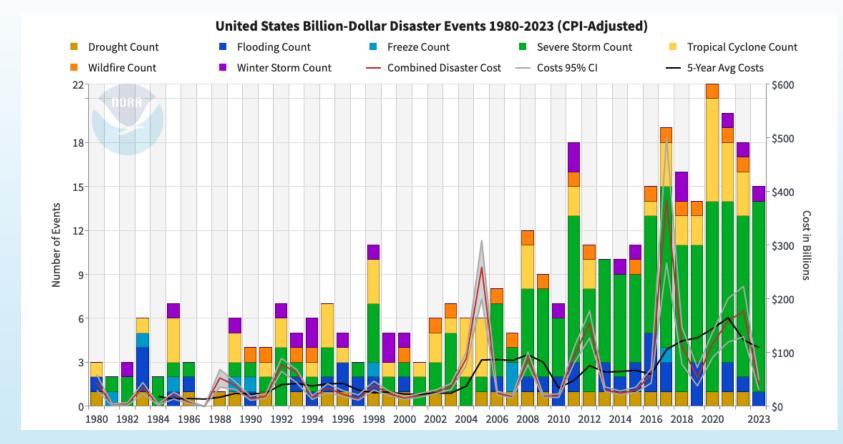
- Disaster Overview
- Scenarios
- Review and Discussion of Plans

#### Global Natural Disasters Timeline

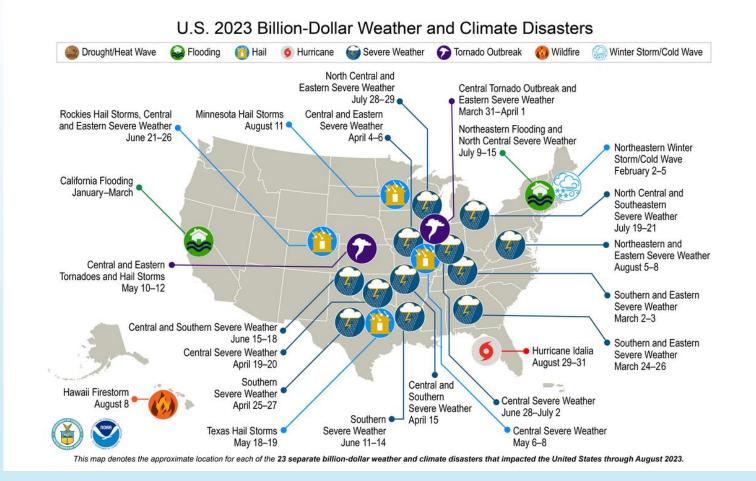


Ritchie, Rosado, & Roser, 2022

#### U.S. Natural Disasters Timeline



#### U.S. Disasters ~ 2023



National Centers for Environmental Information (NCEI), 2023

#### Disasters

- Natural
- Man-Made (Unintentional or Intentional)
  - Chemical
  - Biological
  - Radiological
  - Nuclear
  - Technological
  - Explosions
  - o War

#### **Natural Disasters**



Hurricanes



Tornadoes

Floods



Forest Fires

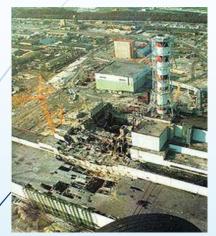




Earthquakes



#### Unintentional Man-Made Disasters



Nuclear Accidents



Gas Leaks



Bridge Collapses



Explosions





Aviation Accidents

#### Intentional Man-Made Disasters



Train Bombings



Aviation Bombings



Domestic Terrorism







International Terrorism

#### **Disaster Cycle**



#### **Characteristics of Disasters**

- Onset
  - Sudden, Slow
- Duration
  - Brief, Prolonged
- Impact
  - Degree of Damage



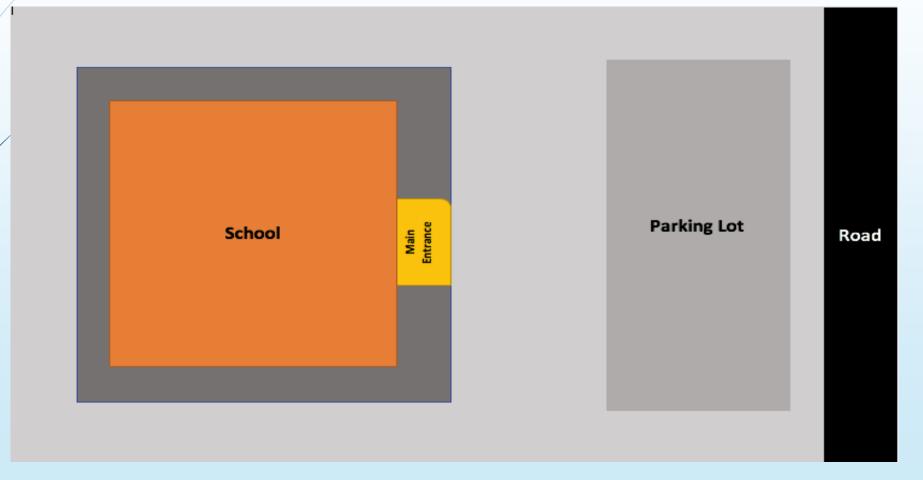
### Effects of Disasters on Individuals and Communities

- Physical
- Psychological
- Spiritual
- Social
- Economical
- Environmental

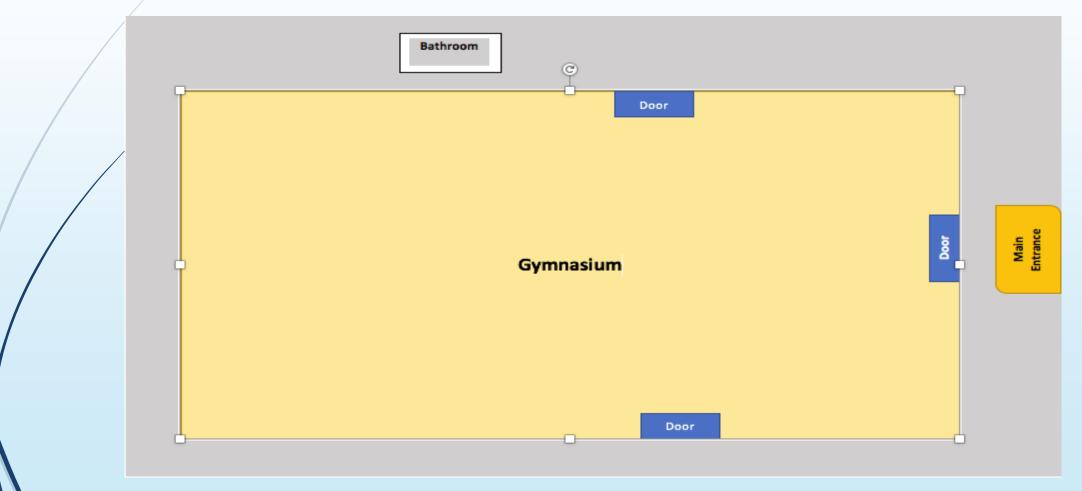
## **Health Needs of Clients**

- General Population
- Children
- Older Adults
- People with Chronic Conditions
- People with Access and/or Functional Needs
- Pregnant Women
- Limited English Proficient or Non-English Speakers
- People with Substance Use Disorder
- People Who Live in Institutional Settings
- People of Low Economic Status
- Individuals Experiencing Homelessness

#### Setting Up A Shelter or POD ~ Exterior



#### Setting Up A Shelter or POD ~ Interior



#### Anticipating Health Needs in Disaster Facilities



## Meeting the Health Needs of Clients

- Case Management
- Referrals
- Delegation of Care
- Resources for ADLs
  - Durable Medical Equipment (DME)
  - Consumable Medical Supplies (CMS)
- Personal Care Aides (PCA)
- Environmental Health
- Disease Prevention

## Meeting the Health Needs of Clients cont.

- CMIST
- Communication
- Maintaining Health
- Independence
- Services & Support
- Transportation

#### Personal/Family Disaster Preparedness

WillingnessAbility

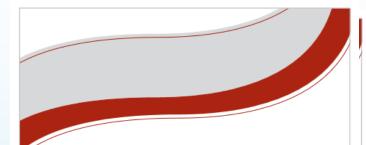


## Personal/Family Disaster Preparedness

- Build a Kit
- Make a Plan
- Be Informed
- Maintain the Plan and Kit



#### Family Disaster Plan - Template



#### **Family Disaster Plan**

Community Emergency Management Program



University of Missouri, n.d.

## Additional Considerations ~ Children

Caregivers Need To:

- Involve Children in Preparedness
- Clarify any Misunderstandings
- Re-Establish Daily Routines
- Limit Children's Exposure to the Media

## **Additional Considerations**

- Portable Medical Summary
- Alternative Caregivers
- Equipment (DME & CMS)
- Current Information on Service Animals

## Portable Medical Summary (p.1)

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		10	
	Addre	ss and Contact Information	
Street			ate Zip
Home Phone		Cell Phone	
smail			
Allergies			
ertinent Person	al Characteristics		
	1	rimary Diagnosis(es)	
1.			
2.			
2.			
2.			
3.		Medical	
2. 3	edications	Medica	l Providers
3.	edications Rx Monthly	Medica Primary	Care Provider
2. 3		Medica Primary Name	
2. 3		Medica Primary	Care Provider
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2. 3		Medica Primary Name Address D Name Address	Care Provider Ph Dentist Ph
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#### Portable Medical Summary (p.2)

edical Equipment	Medical Supplies	Provider	Contact Information
utrition/Fitness Goals	s	Provider	Contact Info
	Past Hospitalizati	ons (including surger	ries)
ate mm/dd/yyyy	Hospital Name	Reason	Physician
unctional Capabilities	4		Brief Summary
uture Plans (including	r scencies involved and r	oformale marke)	
uture Plans (including	g agencies involved and r	eferrals made)	
		eferrals made)	Provider Contact Info
		eferrals made)	Provider Contact Info
		eferrals made)	Provider Contact Info
		eferrals made)	Provider Contact Info
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uture Plans (including ervices Currently Reco rimary econdary ame ignature Youth/Guard rimary Care Provider	eiving Healtl Healt	h Insurance Contact Contact th Surrogate Home Ph	

Rhode Island Department of Health, n.d.



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