

# Building Community Health Resilience: The Community Health Resilience Initiative

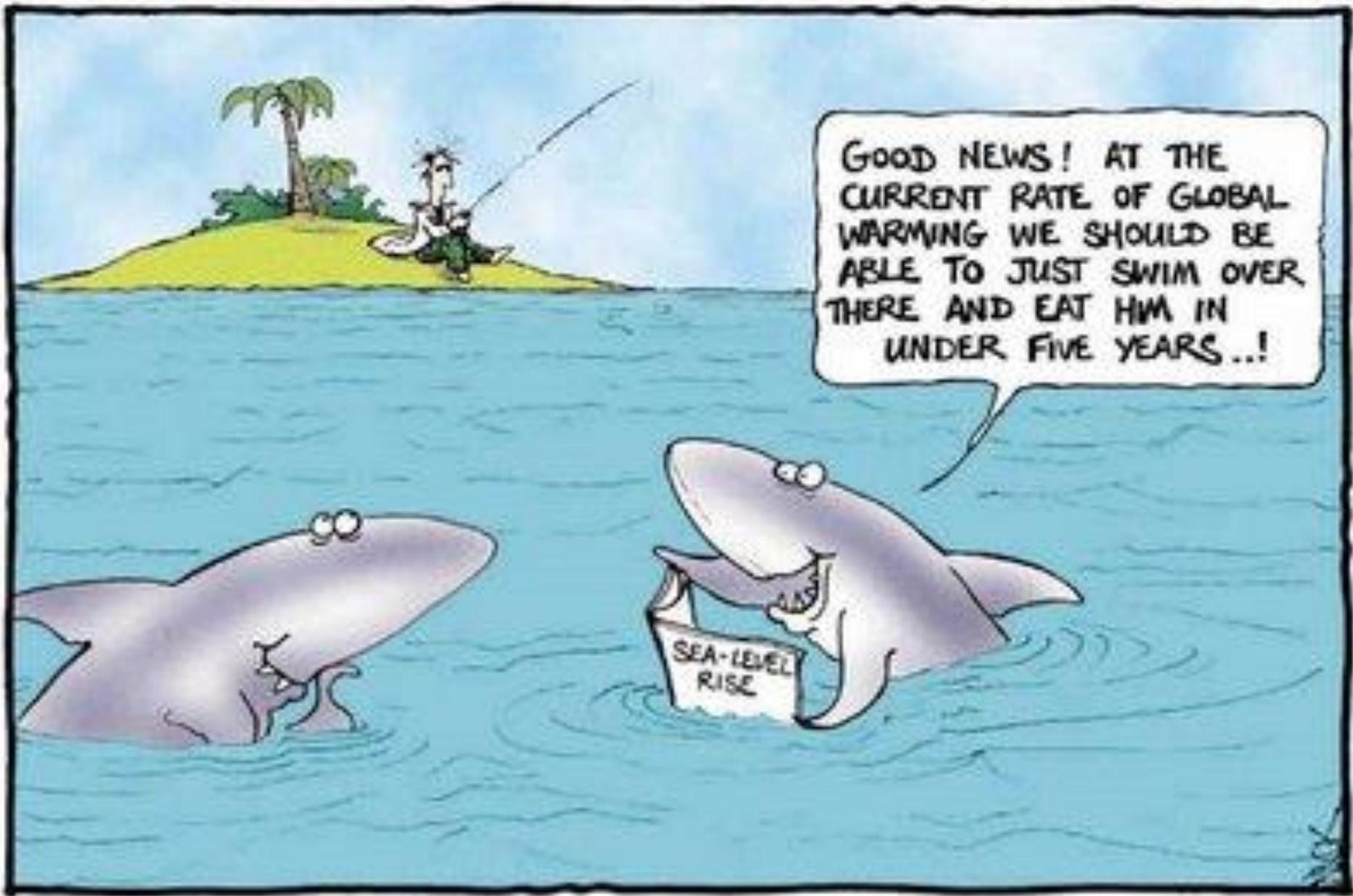
PEPH Webinar  
Climate Change and Health  
June 30<sup>th</sup>, 2016

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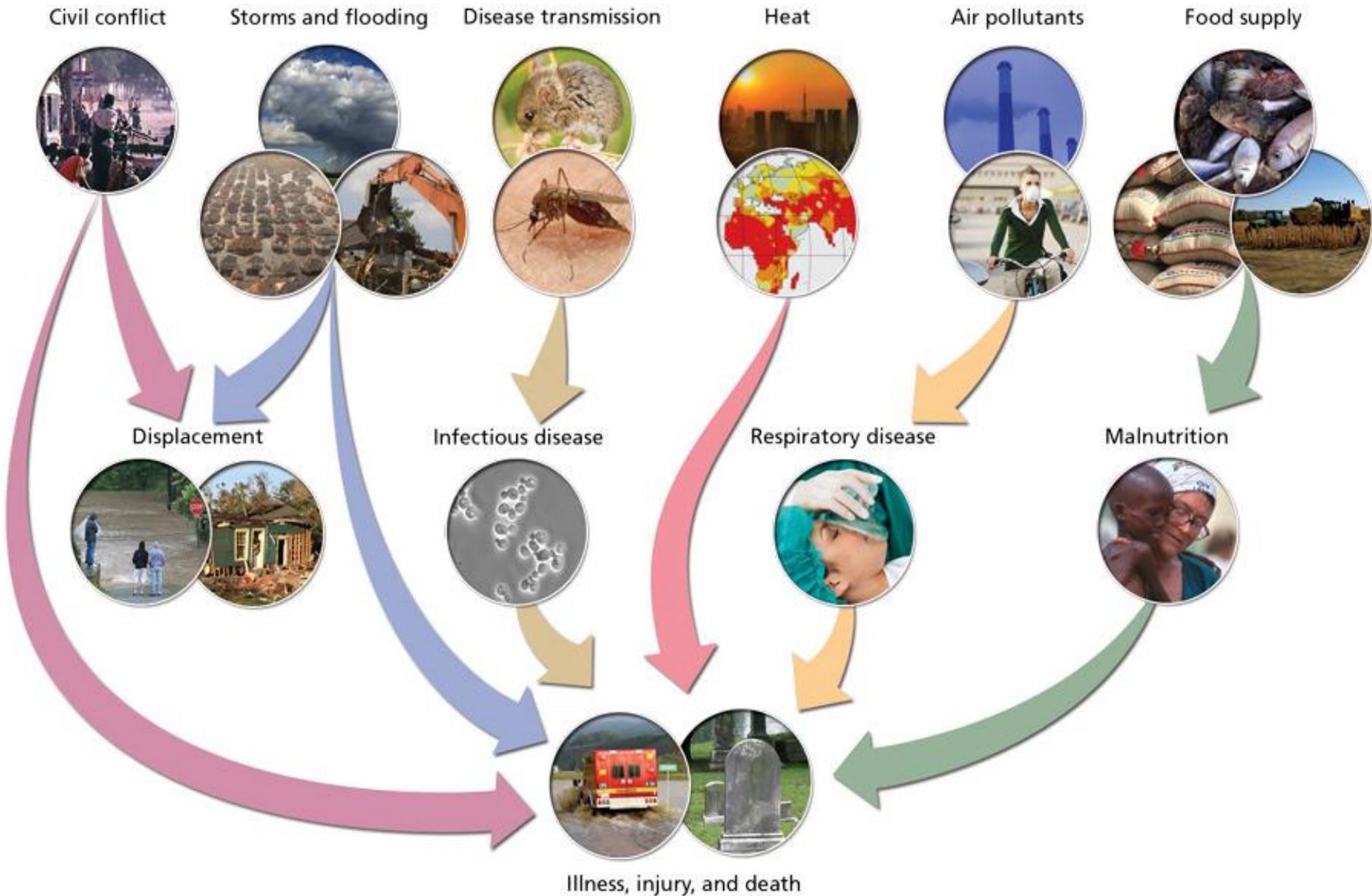
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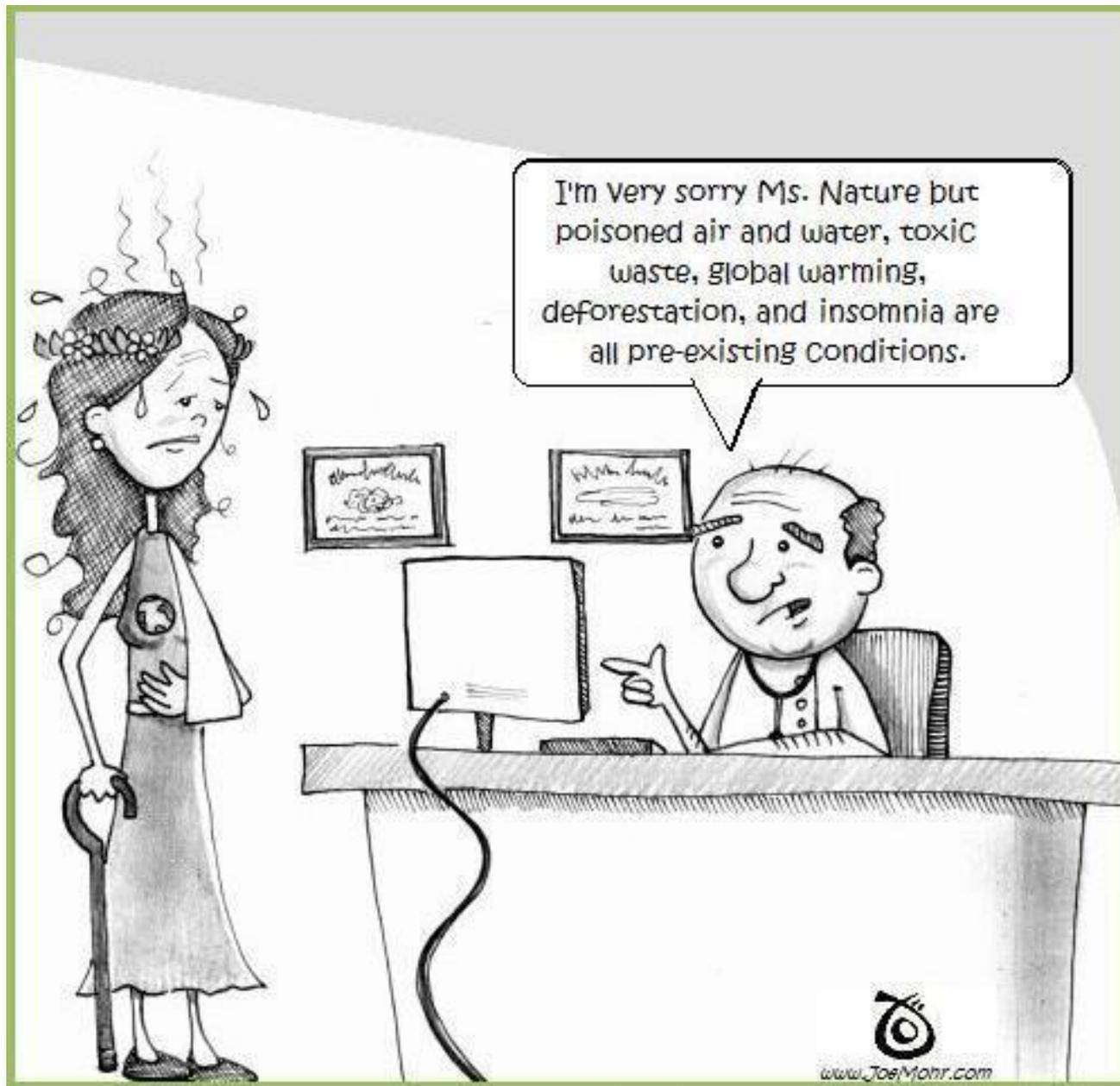




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# Climate Change Influences on Health





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# Building Community Resilience

## Health Resilience

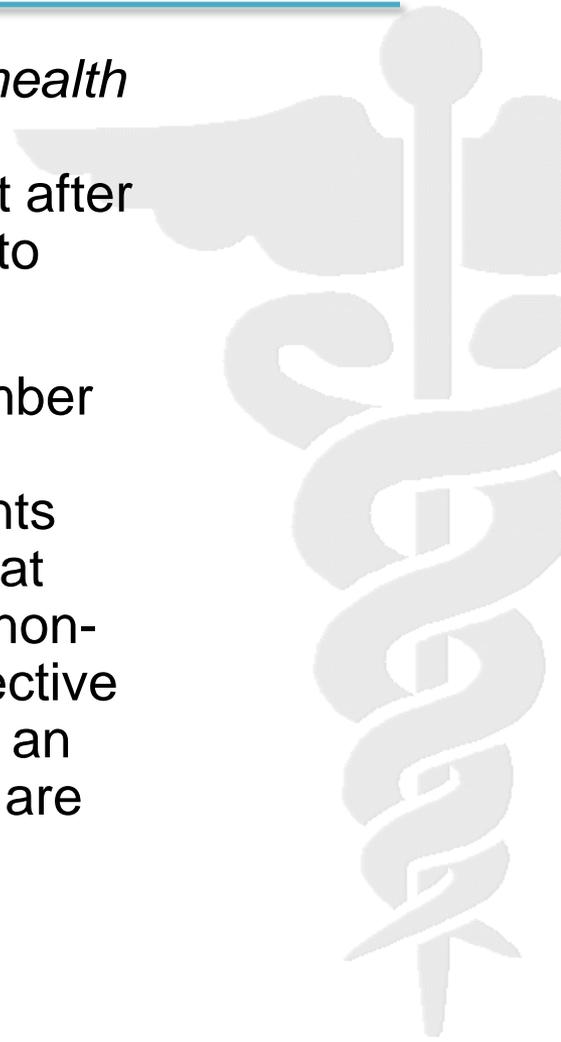


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# Community Resilience Basics

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- Community resilience and particularly community *health* resilience has emerged as a priority goal from the national to local levels in recognition of the fact that after a disaster, a community should focus on returning to functionality and prosperity as quickly as possible
- Over the last several years, there have been a number of public-private sector collaborative initiatives undertaken by national, state, and local governments with stakeholders which have used an approach that has brought together public and private sector and non-profit stakeholders to identify the community's collective needs to prepare for, respond to, and recover from an emergency event, and determine what capabilities are required to be resilient for all-hazards events



# Community Health Resilience— Emerging Component of Overall Resilience

***Resilience means the ability to prepare for and adapt to changing conditions and withstand and recover rapidly from disruptions. Resilience includes the ability to withstand and recover from deliberate attacks, accidents, or naturally occurring threats or incidents.<sup>1</sup>***

*<sup>1</sup>Based on resilience definition in the Presidential Policy Directive on Critical Infrastructure Security and Resilience (PPD-21)*



People fleeing New Orleans Post-Katrina



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# Community Health Resilience Toolset:

## Overview

### What is it?

- Collaborative project, involving both public and private-sector partners, to strengthen and enhance community health resilience across the Nation
- Community Health Resilience-related resources to assist communities maintain or improve health resilience for man-made and environmental disasters to include the effects of Climate Change
  - During steady-state conditions
  - During and after a disaster
- Efforts are guided by a National Stakeholder Group of key practitioners and representatives from sectors, disciplines, or functional areas with roles or responsibilities in assuring health and human care
  - Stakeholder Group represents:
    - Federal, State, Regional, Tribal and Local Governments
    - The Private Sector and Educational Institutions
    - Non-Governmental Organizations (NGO's)



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# Community Health Resilience Toolset: Guide and Toolkit

The CHRI Guide and Toolkit provide users with a comprehensive overview of the many elements and characteristics of holistic community health resilience

- **So what does it help with??**
  - As a planning template to develop or enhance public health and organizational preparedness, response, mitigation, and recovery/continuity plans
  - As a means to engage the broad stakeholder base toward community health resilience; to provide a high-level checklist of community health resilience capabilities
  - To learn about community health resilience best practices that public/private-sector and non-profit organizations have or are developing
  - To access policy and educational resources to provide information in specialty areas such as Geriatric/Elder and Pediatric/Children's disaster resilience issues
  - To help identify and point toward actions to improve community health resilience under steady-state conditions and during emergencies
  - To train and enhance strategic and operational needs and actions necessary for building health-resilient communities and organizations



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# Additional Work Related to the CHRI

- Based on Stakeholder input regarding specialized areas of Health Resilience, OHA developed and leads the following International Groups
  - Pediatric/Children's Disaster Resilience Group (120 members)
  - Geriatric/Elder Disaster Resilience Group (70 members)
  - **Psychosocial Disaster Resilience Group (40 members)**
- Group calls occur every 45 to 60 days from 11:00 to 12:30 eastern
- Two to three presenters/call
- Presentations are on topics/work related to operational disaster resilience
- Major goals are to inform colleagues, generate collaborations and provide tools

**Participants include Federal, State and Local governments, the Private Sector, NGO's And Educational Institutions.**

**Most States are now represented to include Alaska and Hawaii**

**Canada is now participating**



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TO JOIN: SEND ME AN EMAIL  
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# Community Health Resilience Website



<http://chri.inl.gov>



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1. Search by keyword:

2. Enter optional filters:

State  Resource Type  Hazard  Mission Area

Functional Capability

3. Search!

- Ebola, Enterovirus and Emerging Infectious Disease Resources
- US Climate Resilience Toolkit
- Health Resilience Guidance
  - Draft Review
  - Web Version
- Functional Capabilities
- Mission Areas
- Add a Resource

### About the Initiative and this Toolset

The goal of the CHR Toolset is to provide practitioners and experts from all sectors, disciplines, and functional areas who have roles, responsibilities, or interests in CHR access to guidance and resources to make their community (or organization) more resilient. The CHR Toolset:

- Provides users a comprehensive overview of what CHR is—its many elements and characteristics—and what CHR requires.
- Provides guidance, information, resources, and best practices needed to enable and empower communities, organizations, and individuals to be health resilient through the Toolset's website.
- Provides a source of information on capabilities and solutions that public/private-sector and non-profit organizations have, or are developing, as well as other policy and educational resources to improve CHR under steady state conditions



### Community Health Resilience: A Description

Regardless of the event, a community's ability to successfully return to a "new normal" is based on its *resilience*, or its capacity to withstand, respond positively to, adapt, and recover expeditiously from a crisis or adversity.

To date, there is no single-definition accepted for community resilience or CHR. In addition, the term *resilience* has different meanings depending on the professional function or discipline (e.g., sociologists, engineers, or emergency managers). Although there is no agreed definition, there are useful descriptions of both community resilience and CHR.

Useful descriptions include

*"The ability to prepare for and adapt to changing conditions and withstand and recover rapidly from disruptions, including deliberate attacks, accidents, or natural occurring threats and incidents."*

### News/ blog entries

- November 20, 2014 - The U.S. Climate Resilience Toolkit The U.S. Climate Resilience Toolkit provides scientific tools, information, and expertise to help people manage their climate-related risks and opportunities, and improve their resilience ([read more...](#))
- November 17, 2014 - Listen, Protect, Connect: Model and Teach A psychological first aid tool for teachers to help students bounce back from a disaster.
- November 17, 2014 - Listen, Protect, and Connect: Psychological First Aid for Children and Parents A psychological first aid tool for children and parents to help children bounce back from a disaster ([read more...](#))
- November 10, 2014 - How to Talk to Your Children About Ebola Save the Children's emergency health experts have created tips for caregivers on how to educate chi ([read more...](#))
- November 10, 2014 - Ebola Virus Information for Maryland Residents The Maryland Department of Health and Mental Hygiene's Ebola website includes fact sheets, Q&As, guidance for health care workers and sch ([read more...](#))



# **ENABLING COMMUNITY HEALTH RESILIENCE**

## **The Community Health Resilience Toolset Guidance Document**

**Fourth DRAFT**

**THE U.S. DEPARTMENT OF HOMELAND SECURITY  
OFFICE OF HEALTH AFFAIRS**

**July 2014**

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- Ebola, Enterovirus and Emerging Infectious Disease Resources
- US Climate Resilience Toolkit
- Health Resilience Guidance
- Functional Capabilities
  - Communications, Critical IT Systems, Information Sharing, and Health Data Issues
  - Continuity of Business and Operations, and Supply Chain Management
  - Coordination and Collaboration across Jurisdictions, Sectors, and Disciplines
  - Critical Infrastructure and Associated Interdependencies, Risk Assessment, and Mitigation
  - Ebola, Enterovirus and Emerging Infectious Disease Planning and Response
  - Education, Training, and Exercises
  - Environmental Health, Food, Agriculture, and Veterinary Medicine
  - Financial and Broader Resourcing Challenges
  - Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues
  - Human Factors, (Physical and Mental Health and related Community, Family, and Individual Issues)
  - Legal, Policy, and Liability Issues
  - Plans and Integration
  - Public Engagement, Empowerment, and Information, including Media
  - Recovery and Long-Term Restoration Issues
  - Response Challenges
- Mission Areas
- Add a Resource

## Functional Capabilities: Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues

Description			
Documents			
Tool/Resource Name	How this Tool is Useful	Key Capabilities	Functional Capability Sets
<a href="#">Personal Disaster Planning</a>	This fact sheet provides useful links to a poster that addresses coping with biological, chemical, and "dirty Bomb" attacks.	<ul style="list-style-type: none"> <li>Emergency public health and medical, including mental health services (e.g., availability, certification, mobile assets, emergency triage and pre-hospital treatment, use of remote care technologies)</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Personal Disaster Planning</a>	This fact sheet provides useful links to a poster that addresses coping with biological, chemical, and "dirty Bomb" attacks.	<ul style="list-style-type: none"> <li>Emergency public health and medical, including mental health services (e.g., availability, certification, mobile assets, emergency triage and pre-hospital treatment, use of remote care technologies)</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Emergency Medical and Public Health Response to Terrorism: Memorandum of Understanding</a>	This memorandum of understanding outlines job actions to be taken by various authorities and entities in response to acts of terrorism.	<ul style="list-style-type: none"> <li>Emergency public health and medical, including mental health services (e.g., availability, certification, mobile assets, emergency triage and pre-hospital treatment, use of remote care technologies)</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Emergency Preparedness and Response Program</a>	This Website provides useful links background information and/or response guidance for bioterrorism, push partner program, preparing for emergencies, emergency kit preparation, emergency volunteers, pandemic influenza planning, and people with disabl. <a href="#">Read More</a>	<ul style="list-style-type: none"> <li>Emergency public health and medical, including mental health services (e.g., availability, certification, mobile assets, emergency triage and pre-hospital treatment, use of remote care technologies)</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Health Alert Network</a>	This network is CDC's primary method of sharing cleared information about urgent public health incidents with public information officers; federal, state, territorial, and local public health practitioners; clinicians; and public health laboratories.. <a href="#">Read More</a>	<ul style="list-style-type: none"> <li>Emergency public health and medical, including mental health services (e.g., availability, certification, mobile assets, emergency triage and pre-hospital treatment, use of remote care technologies)</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Puget Sound Regional Catastrophic Disaster Coordination Plan (March 2013)</a>	This coordination plan provides an all-hazards framework for coordination among local, State, Tribal, and Federal entities prior to, during, and following a catastrophic incident in the Puget Sound Area.	<ul style="list-style-type: none"> <li>Situational awareness for organizations, jurisdictions, regions</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Puget Sound Region Resource Management and Logistics Toolkit</a>	The Puget Sound Regional Resource Management and Logistics Toolkit (RMLT) provides a comprehensive framework and guidance for managing resources and logistics. It presents a strategy that encourages resource sharing and optimizes resource acquisition.. <a href="#">Read More</a>	<ul style="list-style-type: none"> <li>Situational awareness for organizations, jurisdictions, regions</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Situational Awareness - Enhancing Regional Information Sharing</a>	This assessment document identifies options for reducing or eliminating the gap in situational awareness for emergency managers.	<ul style="list-style-type: none"> <li>Situational awareness for organizations, jurisdictions, regions</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Missouri Department of Mental Health: Office of Disaster Readiness All-Hazards Facility Planning Guide</a>	Developed to provide a useful planning resource for utilization by DMH facilities and contracted providers. Each section of the guide includes a brief description of its purpose and includes examples where practical. Reference appendices have been in.. <a href="#">Read More</a>	<ul style="list-style-type: none"> <li>Screening, search, and detection for all-hazards health threats, including chemical, biological, radiological, nuclear, and explosives</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> <li>Human Factors, (Physical and Mental Health and related Community, Family, and Individual Issues)</li> </ul>
<a href="#">Creating Resilient Communities: The Work of SERRI and CARRI</a>	The document can assist communities, leaders, and policy makers at all levels in understanding and implementing policies and procedures that protect citizens, communities, and regions against severe disruptions. <a href="#">Read More</a>	<ul style="list-style-type: none"> <li>Continuous and sustainable process and strategy for community, organizational, and individual health resilience improvement</li> <li>Decontamination of structures, assets, soil, and water</li> <li>Interoperable and resilient communications systems</li> </ul>	<ul style="list-style-type: none"> <li>Continuity of Business and Operations, and Supply Chain Management</li> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Waste Management for Homeland Security Incidents</a>	This site provides waste management information that can be used by emergency planners, managers, and responders in planning before a homeland security incident occurs, and in decision-making during and after an incident.	<ul style="list-style-type: none"> <li>Assurance of lifelines and essential disaster supply chains (e.g., food, water, fuel) and services (e.g., wastewater and solid waste disposal, power generators, transportation)</li> <li>Environmental health management</li> <li>Medical waste management</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Comprehensive Community Bio-Event Resilience Action Plan for the Puget Sound Region</a>	Covers the need to have an effective regional organizational structure for recovery and long-term restoration after a major bio-event or disaster with a well-defined decision-making process that involves the range of key stakeholder organizations nee.. <a href="#">Read More</a>	<ul style="list-style-type: none"> <li>Debris removal and disposal</li> <li>Effective multi-jurisdiction/cross-sector integrated command structure for response and initial recovery</li> <li>Emergency mutual assistance agreements</li> <li>Health, Emergency Services workforce recruitment, availability, maintenance, occupational health and safety, and certification</li> </ul>	<ul style="list-style-type: none"> <li>Communications, Critical IT Systems, Information Sharing, and Health Data Issues</li> <li>Continuity of Business and Operations, and Supply Chain Management</li> <li>Education, Training, and Exercises</li> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Environmental Health Emergency Response Guide</a>	*This document addresses 15 environmental health-related topics and is intended to provide quick access to information needed in the event of an illness outbreak emergency, a natural disaster, a deliberate act of terrorism, or an industrial- or tra.. <a href="#">Read More</a>	<ul style="list-style-type: none"> <li>Medical waste management</li> <li>Organizational structure for coordinated decisionmaking on restoration priorities for infrastructures, housing, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Education, Training, and Exercises</li> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Alabama Healthcare Disaster Planning Guide</a>	(none)	<ul style="list-style-type: none"> <li>Management of non-governmental support and volunteers</li> <li>Pharmaceutical caches</li> <li>Training and regional and targeted exercises and drills (for range of stakeholder groups—including health and human service organizations and media)</li> </ul>	<ul style="list-style-type: none"> <li>Education, Training, and Exercises</li> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>
<a href="#">Oregon Public Health Preparedness: Building Resilient Communities</a>	The Plan takes into account the evolving understanding of public health emergency preparedness in terms of capabilities; the important role preparedness programs play in public health infrastructure development and accreditation processes; the integrat.. <a href="#">Read More</a>	<ul style="list-style-type: none"> <li>Crisis standards of care</li> <li>Identification of needs and assistance for at-risk populations (economically-stressed, homeless, elderly, disabled, pregnant women and children) and ethnic groups</li> <li>Indicators for proactive alerts and warning; triggers for response, and on-going monitoring</li> </ul>	<ul style="list-style-type: none"> <li>Coordination and Collaboration across Jurisdictions, Sectors, and Disciplines</li> <li>Education, Training, and Exercises</li> <li>Healthcare and Related Public Health and Emergency Preparedness Plans and Resource Issues</li> </ul>



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# QUESTIONS?





# Homeland Security

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