

Roadmap to Disaster Health Information Resources and Tools

March 30, 2011



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Instructors

Emily Morton-Owens

Web Services Librarian
NYU Health Sciences Libraries
New York University
emily.morton-owens@med.nyu.edu

Elizabeth Norton

Librarian
Disaster Information Management Research Center
National Library of Medicine
nortone@nlm.nih.gov

Jennifer Pakiam

Technical Information Specialist
Disaster Information Management Research Center
National Library of Medicine
pakiamj@nlm.nih.gov



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Class Objective

This class will cover a survey of online sources and tools for disaster health information related to preparedness, response and recovery.



Class Outline

- Federal Disaster Preparedness & Response Landscape
- National Library of Medicine Resources for Disaster Health Information
- Federal Disaster Information Sources
- Non-Federal Disaster Information Sources
- Libraries and other Information Aggregators
- International Resources
- Disaster Information Tools and Mobile Apps
- Staying Up-to-Date
- Questions and Evaluation



Federal Landscape



- Stafford Act (1988)
- Public Health Services Act
 - Pandemic & All-Hazards Preparedness Act (2006)
 - National Health Security Strategy (2009)
- Homeland Security Presidential Directives

The Stafford Act

- Officially, the “Robert T. Stafford Disaster Relief and Emergency Assistance Act (Public Law 93-288 as amended)
<http://www.fema.gov/about/stafact.shtm>
- At the REQUEST of the governor of a state, the President can declare a federal disaster which triggers the provision of federal assistance
- FEMA (Federal Emergency Management Agency coordinates and mobilizes the assistance
- Recent change: libraries added to list of public facilities eligible for federal assistance to relocate and stay open to support the community during a disaster



Public Health Services Act

Provides the legal authority for the U.S. Department of Health and Human Services (HHS) to:

- Declare public health emergency
- Control communicable diseases
- Maintain the Strategic National Stockpile
- Operate the National Disaster Medical System (NDMS)
- Maintain the Medical Reserve Corps



Pandemic & All-Hazards Preparedness Act (PAHPA)



- Amended the Public Health Services Act to improve the nation's ability to prepare for and respond to public health emergencies
- Established the Office of the Assistant Secretary for Preparedness and Response (ASPR) under HHS to:
 - Lead U.S. in preparation and response to public health emergencies
 - Build federal emergency medical operational capabilities
 - Act as lead U.S. agency for the National Response Framework for Emergency Support Function #8
 - Develop a National Health Security Strategy

<http://www.phe.gov/Preparedness/legal/pahpa>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Health Security Strategy



- Federal-level strategy to protect people's health prior to, during, and after a public health threat or incident
- Designed to:
 - build community resilience
 - strengthen and sustain health and emergency response systems

<http://www.phe.gov/Preparedness/planning/authority/nhss/strategy>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Homeland Security Presidential Directives (HSPD)

- Issued by the U.S. President (currently 25 directives)
- Activated by Dept. of Homeland Security
- HSPDs related to health response:
 - #5: Management of Domestic Incidents
 - #8: National Preparedness
 - #21: Public Health and Medical Preparedness

http://www.dhs.gov/xabout/laws/editorial_0607.shtm



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

HSPD #5: Management of Domestic Incidents

Called for establishment of a single national incident management system:

- National Incident Management System (NIMS)
- National Response Framework (NRF)
 - Defines how the U.S. conducts an all-hazards response
 - Emergency Response Functions (15)

http://www.dhs.gov/xabout/laws/gc_1214592333605.shtm



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Incident Management System (NIMS)

- Provides the template for the coordinated management of incidents, regardless of cause, size, location, or complexity
- Components include:
 - Preparedness
 - Communication and Information Management
 - Resource Management
 - Command and Management
 - **Incident Command System (ICS)**
Standardized on-scene, all-hazards incident management approach – required training for many



National Response Framework

Key Emergency Response Functions (ESF)

Assign roles and responsibilities of Federal departments and agencies related to response to an incident

<http://www.fema.gov/pdf/emergency/nrf/nrf-annexes-all.pdf>

- **ESF #6: Mass Care, Emergency Assistance, Housing and Human Services**
 - HHS provides support
- **ESF #8: Public Health and Medical Services**
 - HHS is coordinator and primary agency
 - Coordinates federal response to a developing or existing health and medical emergency (e.g. H1N1)



HSPD #8: National Preparedness

- Companion to HSPD #5
- Requires a national domestic all-hazards preparedness goal and provides for actions to strengthen U.S. preparedness capabilities through such things as equipment standards, training and exercises, and citizen participation
- Annex to HSPD #8 calls for development of National Planning Scenarios
 - 15 scenarios based on most likely or most dangerous threats used to assess national preparedness



HSPD #21: Public Health and Medical Preparedness

- Provides for a national approach to protecting people's health against all disasters
- Focus is on:
 - Biosurveillance
 - Countermeasure stockpiling and distribution
 - Mass casualty care
 - Community resilience
 - Education and training
 - Established the National Center for Disaster Medicine and Public Health
 - Disaster health system
 - Commissioned the Institute of Medicine Forum on Medical and Public Preparedness for Catastrophic Events



Learning More

- National Response Framework Resource Center
<http://www.fema.gov/emergency/nrf/>
- NIMS Training
<http://training.fema.gov/IS/NIMS.asp>
- Incident Command System Resource Center
<http://training.fema.gov/EMIWeb/IS/ICSResource/index.htm>



NLM Resources for Disaster Health Information

Select Record	Organization Name	Words Found
<input type="checkbox"/> 1	Center for Preparedness and Education	preparedness =16 dimrc =1
<input type="checkbox"/> 2	Disaster Preparedness and Response - Regional Office for Europe - World Health Organization	preparedness =10 dimrc =1
<input type="checkbox"/> 3	Johns Hopkins Preparedness and Emergency Response Research Center - Johns Hopkins Public Health Preparedness Programs - Bloomberg School of Public Health - Johns Hopkins University (JH-PERRC)	preparedness =9 dimrc =1
<input type="checkbox"/> 4	Forum on Medical and Public Health Preparedness for Catastrophic Events - Institute of Medicine - National Academies	preparedness =9 dimrc =1
<input type="checkbox"/> 5	Office of Public Health Preparedness and Response - Emergency Preparedness and Response - Centers for Disease Control and Prevention - U.S. Department of Health and Human Services (OPHPR)	preparedness =7 dimrc =1
<input type="checkbox"/> 6	National Center for the Study of Preparedness and Catastrophic Event Response - U.S. Department of Homeland Security (PACER)	preparedness =7 dimrc =1
<input type="checkbox"/> 7	Public Health Emergency Preparedness Research Program - Agency for Healthcare Research and Quality - Public Health Service - U.S. Department of Health and Human Services	preparedness =7 dimrc =1



Disaster Information Management Research Center (DIMRC)

U.S. Department of Health & Human Services | www.hhs.gov

Disaster Information Management Research Center
IMPROVING ACCESS TO DISASTER HEALTH INFORMATION

National Library of Medicine
National Institutes of Health
SPECIALIZED INFORMATION SERVICES | NLM

SIS Home | About Us | Site Map & Search | SIS News | Contact Us

Disasters
Emergency Response Tools
Disaster Health Literature
Librarians & Disasters
NLM Disaster Info Research
Collaborations & Partnerships
Search TOXNET® Databases

Health Organizations

Disaster Information Management Research Center
Disaster Information Outreach Symposium
March 29-30, 2011

In the Spotlight

- Japan Earthquake, Tsunami, and Radiation Event - March 2011 **New!**
- Radiation Emergencies
- Earthquakes
- Floods
- HHS Public Health Emergency Web Site

New Documents from the Resource Guide

- 2010 National Vaccine Plan
- More...

New in PubMed

- Hematopoietic cell infusion for the treatment of nuclear disaster victims: New data from the Chernobyl accident.
- More...

Disaster News

Search Our Web Pages

A to Z Index of Resources

A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z #

Stay Connected

- Join the Listserv
- Subscribe to RSS
- Follow us on Twitter
- Bookmark and share

About the Center

- Fact Sheet
- News
- Publications about the Center
- Staff Publications
- Promotional Materials

Disaster Medicine and Public Health Literature

Resource Guide
Resource Guide for Public Health Preparedness
Guide to disaster and public health preparedness literature and related information.

PubMed
Database of biomedical journal citations and abstracts.

HazMat/CBRN (Chem, Bio, Rad, Nuclear)

WISER: Wireless Information System for Emergency Responders
System to assist first responders and first receivers in hazardous material incidents.

REMM: Radiation Emergency Medical Management
Guidance about clinical diagnosis and treatment of radiation injuries during radiological and nuclear emergencies.

Find Disaster Organizations

Limit to state (Optional) -- All --
NLM || Get this widget
Get More Widgets

<http://disasterinfo.nlm.nih.gov/dimrc.html>

- Compilation of resources and tools:
 - Topic pages
 - Tools
 - Disaster literature
 - For/about librarians
 - Databases
 - Health organizations
 - Keeping informed



DIMRC Topic Pages



The screenshot shows the DIMRC website interface. At the top, there is a header for the U.S. Department of Health & Human Services and the National Library of Medicine. The main navigation bar includes links for SIS Home, About Us, Site Map & Search, SIS News, and Contact Us. The page title is "Disasters" under the "Disasters" tab. The content area is divided into two columns. The left column lists various disaster topics with brief descriptions: Bioterrorism, Chemical Emergencies, Fires and Wildfires, Geological Hazards, and Pandemic Disease Outbreaks. The right column is titled "More NLM Disaster Information Resources" and lists links to "Disaster and Emergency Response Tools from NLM", "TOXNET - Toxicology and Environmental Health Resources", "Directory of Disaster-Related Organizations", and "Disaster Health Literature".

- Find them under the “Disasters” tab on the DIMRC home page
- 19 topics currently
- Selection criteria
 - Authority, credibility, and affiliation
 - Currency
 - Point of view
- Cover many sources, not just government
- New ones under development

<http://disasterinfo.nlm.nih.gov/dimrc/disasters.html>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Sample Topic Page

The screenshot shows the website interface for the Disaster Information Management Research Center (DIMRC). At the top, it features the U.S. Department of Health & Human Services logo and the website URL www.hhs.gov. The main header includes the DIMRC name and the National Library of Medicine logo. A navigation bar contains links for SIS Home, About Us, Site Map & Search, SIS News, and Contact Us. The page title is "Crude Oil Spills and Health". A sidebar on the left lists various topics under "Featured Sites", including Overviews, Health Information, Coping with Disasters and Stress, Occupational Health Information, Crude Oil, Dispersants, Seafood and Fisheries Contamination, Response and Recovery, Gulf State Agencies Involved in Prevention, Response, and Recovery, Oil Spills and Wildlife, Social Media Sites: Gulf Oil Spill, Multi-language Resources, and Disclaimer. The main content area features a "Featured Sites" section with a "Restore The Gulf" link and a "Get this Widget" button. Below this, there is a "Featured Sites" section with a heading "Web sites with updates on the Gulf of Mexico oil spill situation." and two bullet points: "Restore The Gulf" (A federal web portal with information and resources related to the BP Deepwater Horizon oil spill response and recovery. U.S. Government) and "Updates - Deepwater Horizon Incident, Gulf of Mexico" (National Oceanic and Atmospheric Administration). At the bottom, there is an "Overviews" section with a bullet point: "Hurricanes and the Oil Spill (PDF, 1.4 MB)".

- Crude Oil Spills & Health
- Developed during 2010 Gulf Oil spill
- Range of resources:
 - Health effects
 - Coping/stress
 - Dispersants data
 - Multi-languages
 - Wildlife contact
 - Social media

<http://disasterinfo.nlm.nih.gov/dimrc/oilspills.html>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Disaster Health Literature



The screenshot shows the website for the Disaster Information Management Research Center (DIMRC), part of the National Library of Medicine. The header includes the U.S. Department of Health & Human Services logo and the website address www.hhs.gov. The main navigation bar contains links for SIS Home, About Us, Site Map & Search, SIS News, and Contact Us. The page title is "Disaster Medicine and Public Health Literature". The content is organized into several sections: PubMed (thousands of references on disaster/emergency preparedness and response), PubMed Central (archive of free full-text articles), Resource Guide for Public Health Preparedness (gateway to free online resources), Journals (English language journals on disaster and emergency medicine), and More NLM Disaster Information Resources (including Disaster and Emergency Response Tools from NLM, TOXNET - Toxicology and Environmental Health Resources, NLM Disaster HealthLinks, and Directory of Disaster-Related Organizations).

- Links to:
 - Peer-reviewed literature
 - Grey literature
 - Journals
 - MeSH terms
 - Glossaries
 - NLM Catalog

<http://disaster/dimrc/medscilit.html>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Resource Guide for Public Health Preparedness

The screenshot shows the website for the Disaster Information Management Research Center, part of the National Library of Medicine. The page title is "Resource Guide for Public Health Preparedness". It features a search bar, a "Find Disaster Organizations" widget, and a "New Resources" section. The footer includes the National Library of Medicine logo and the New York Academy of Medicine logo.

U.S. Department of Health & Human Services www.hhs.gov

Disaster Information Management Research Center
IMPROVING ACCESS TO DISASTER HEALTH INFORMATION

National Library of Medicine
National Institutes of Health
SPECIALIZED INFORMATION SERVICES NLM

SIS Home | About Us | Site Map & Search | Contact Us

Resource Guide for Public Health Preparedness

Text size: [S](#) [M](#) [L](#) [XL](#)
[Bookmark and share](#)

[Home](#) | [Search](#) | [New Resources](#) | [About the Resource Guide](#) | [Help/FAQ](#)

The **Resource Guide for Public Health Preparedness** is a gateway to freely available online resources related to public health preparedness. Resources include expert guidelines, factsheets, websites, research reports, articles, and other tools aimed at the public health community. All resources are cataloged and may be searched by keyword or browsed by topic.

Search: [Search](#) [Clear](#)

Using [all of the words](#) [Advanced Search](#)

- [New Resources](#)
- [About the Resource Guide](#)
- [Help / FAQ](#)

Find Disaster Organizations
 [Search](#)
Limit to state: [-- All --](#)
(Optional)
NLM || [Get this widget](#)

New Resources
[▶ Christchurch Recovery Map](#)
[▶ More ...](#)

Stay Connected
[Join the Listserv](#)
[Subscribe to RSS](#)

National Library of Medicine NLM

The New York Academy of Medicine
At the heart of urban health since 1847

The New York Academy of Medicine Library
U.S. National Library of Medicine, National Institutes of Health, Health & Human Services
Copyright, Privacy, Accessibility
Last updated on: February 28 2011.

- Gateway to grey literature resources
- Resources are freely available on Internet

<http://phpreparedness.nlm.nih.gov/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Sample Resource Guide Search

Resource Guide for Public Health Preparedness Text size: S M L XL
Bookmark and share

Home Search **New Resources** About the Resource Guide Help/FAQ

Display: **Brief record** Sort: Reverse Chronological Terms: earthquake Search Clear

Displaying records 1 - 10 of 88
First Previous Next Last Page 1 of 9 Results/page: 10

1. **Source:** CrisisCampNZ
Title: [Christchurch Recovery Map](#)
Type: Website
Published: 02/25/2011

- Search on “earthquake”

Resource Guide for Public Health Preparedness Text size: S M L XL
Bookmark and share

Home Search **New Resources** About the Resource Guide Help/FAQ

Display: **Full record** Sort: Reverse Chronological Terms: earthquake Search Clear

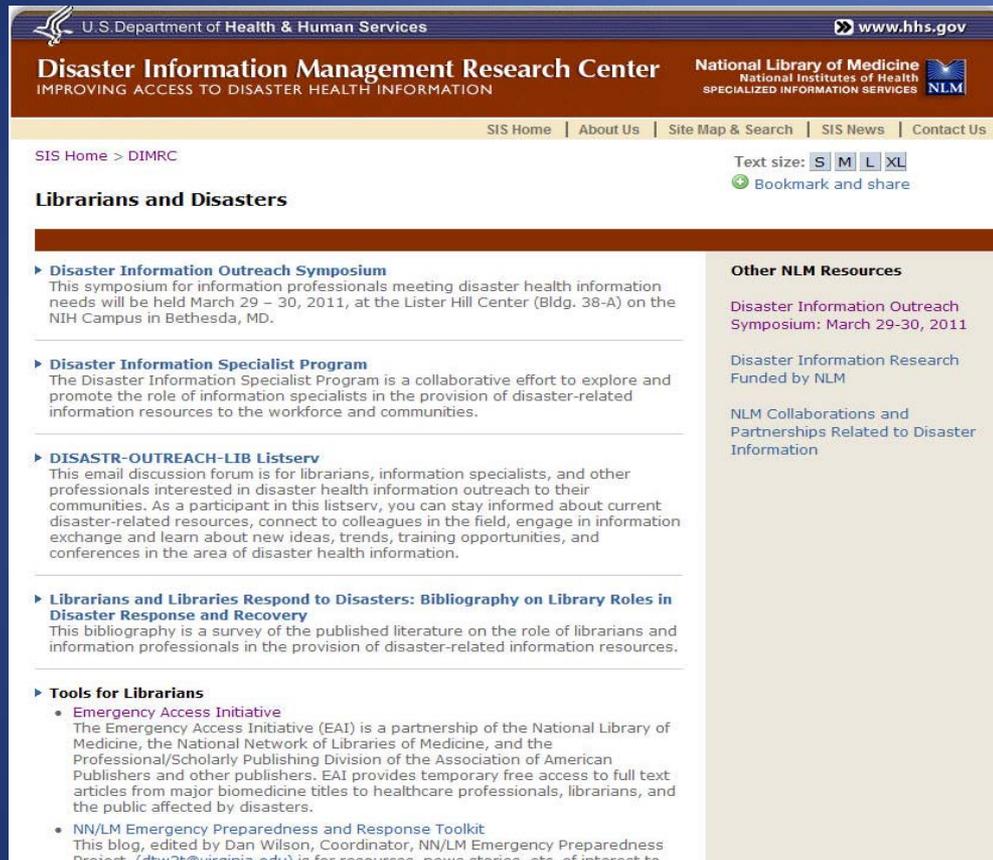
Displaying records 1 - 10 of 88
First Previous Next Last Page 1 of 9 Results/page: 10

1. **Source:** CrisisCampNZ
Title: [Christchurch Recovery Map](#)
URL: <http://eq.org.nz/>
Type: [Website](#)
Published: 02/25/2011
Annotation: This website provides information for the community affected by the Christchurch, New Zealand earthquake of 22 Feb 2011. It consists of a map of the affected areas and information on the location of vital services, hazard zones and medical services, as well as reports of operation status for services and other news. Alerts on chosen topics are available for those who sign up.
Audience: Public Health Officials; Other
Event Type: [Natural Disaster](#)
Subject Term 1: [Earthquakes](#)
Subject Term 2: [Urban Population](#)
Disaster Phase: Response/Recovery
Format: HTML

- Results displayed in either brief or full record view



For and About Librarians



The screenshot shows the website for the Disaster Information Management Research Center (DIMRC), part of the National Library of Medicine. The page is titled "Librarians and Disasters" and lists several resources:

- Disaster Information Outreach Symposium**: A symposium for information professionals meeting disaster health information needs, held March 29-30, 2011, at the Lister Hill Center (Bldg. 38-A) on the NIH Campus in Bethesda, MD.
- Disaster Information Specialist Program**: A collaborative effort to explore and promote the role of information specialists in the provision of disaster-related information resources to the workforce and communities.
- DISASTR-OUTREACH-LIB Listserv**: An email discussion forum for librarians, information specialists, and other professionals interested in disaster health information outreach.
- Librarians and Libraries Respond to Disasters: Bibliography on Library Roles in Disaster Response and Recovery**: A survey of published literature on the role of librarians and information professionals in the provision of disaster-related information resources.
- Tools for Librarians**:
 - Emergency Access Initiative**: A partnership of the National Library of Medicine, the National Network of Libraries of Medicine, and the Professional/Scholarly Publishing Division of the Association of American Publishers and other publishers. EAI provides temporary free access to full text articles from major biomedicine titles to healthcare professionals, librarians, and the public affected by disasters.
 - NN/LM Emergency Preparedness and Response Toolkit**: A blog, edited by Dan Wilson, Coordinator, NN/LM Emergency Preparedness Project. (dtw2@virginia.edu) is for resources, news stories, etc. of interest to...

Other NLM Resources listed include:

- Disaster Information Outreach Symposium: March 29-30, 2011
- Disaster Information Research Funded by NLM
- NLM Collaborations and Partnerships Related to Disaster Information

- Information for librarians involved in disaster health information:

- Disaster information specialist
- Listserv
- Roles
- Tools

<http://disasterinfo.nlm.nih.gov/dimrc/emerprelibraries.html>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Databases: TOXNET

United States National Library of Medicine

TOXNET

Toxicology Data Network

TOXNET Mobile Access | SIS Home | About Us | Site Map & Search | Contact Us

Env. Health & Toxicology | TOXNET

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.

Select Database

- ChemIDplus
- HSDB
- TOXLINE
- CCRIS
- DART
- GENETOX
- IRIS
- ITER
- LactMed
- Multi-Database
- TRI
- Haz-Map
- Household Products
- TOXMAP

Search All Databases

Enter term(s) to search all databases.

(e.g. asthma air pollution, ibuprofen fever, vinyl chloride)

Search Clear Help

TOXNET Search Options

- Search all databases: Enter term(s) in box above
- Search a specific database: Click database at left
- Database description: Click on the [?]

Env. Health & Toxicology

Portal to environmental health and toxicology resources

VISIT SITE

Support Pages

- ▶ Help
- ▶ TOXNET FAQ
- ▶ TOXNET Update Status
- ▶ Fact Sheet
- ▶ Database Description
- ▶ Training Manual & Schedule
- ▶ News

Additional Resource

- CPDB
- CTD

- Collection of toxicology and environmental health databases
- Includes:
 - Database of potentially hazardous chemicals
 - References to toxicology literature
 - Chemical dictionary
 - Structure database

<http://toxnet.nlm.nih.gov/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Sample TOXNET Search

The screenshot shows the TOXNET website interface. At the top left is the National Library of Medicine logo. The main header is green with 'TOXNET Toxicology Data Network' and navigation links: 'SIS Home', 'About Us', 'Site Map & Search', and 'Contact Us'. Below the header, there's a breadcrumb trail: 'Env. Health & Toxicology > TOXNET'. A sub-header reads: 'TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.'

The main content area is divided into three columns. The left column is titled 'Select Database' and lists various databases with checkboxes: ChemIDplus, HSDB, TOXLINE, CCRIS, DART, GENETOX, IRIS, ITER, LactMed, Multi-Database, TRI, Haz-Map, Household Products, and TOXMAP. The middle column is titled 'Search All Databases' and contains a search input field with the text 'chlorine' and a blue circle around it. Below the input field is a hint: '(e.g. asthma air pollution, ibuprofen fever, vinyl chloride)'. To the right of the input field are 'Search', 'Clear', and 'Help' buttons. The right column is titled 'References from Biomedical Literature' and contains a table with two rows: TOXLINE (Toxicology Literature Online, 22802) and DART (Developmental Toxicology Literature, 340). Below this is another table titled 'Chemical, Toxicological, and Environmental Health Data' with columns for database name, description, and count. The bottom left column is titled 'Additional Resource' and lists CPDB and CTD. Below that is a section for 'Env. Health & Toxicology' with a 'Portal to environmental health and toxicology resources' and a 'VISIT SITE' button. The bottom right column is titled 'Support Pages'.

Database	Description	Count
ChemIDplus	Chemical Identification/Dictionary	1
HSDB	Hazardous Substances Data Bank	784
CCRIS	Chemical Carcinogenesis Information	6
CPDB	Carcinogenic Potency Database	3
GENETOX	Genetic Toxicology Data	1
CTD	Comparative Toxicogenomics Database	610
IRIS	Integrated Risk Information	16
ITER	International Toxicity Estimates for Risk	6
LactMed	Drugs and Lactation Database	0
TRI	Toxics Release Inventory	913
TOXMAP	Environmental Health e-Maps	Map It
Haz-Map	Occupational Exposure/Toxicology	Show me
Household Products	Health & Safety Information on Household Products	Show me

- Enter “chlorine” into “Search All Databases”
- Searches all databases simultaneously

Directory of Organizations: DIRLINE

U.S. Department of Health & Human Services | www.hhs.gov

Disaster Information Management Research Center
IMPROVING ACCESS TO DISASTER HEALTH INFORMATION

National Library of Medicine
National Institutes of Health
SPECIALIZED INFORMATION SERVICES | NLM

SIS Home | About Us | Site Map & Search | SIS News | Contact Us

Disasters
Emergency Response Tools
Disaster Health Literature
Librarians & Disasters
NLM Disaster Info Research
Collaborations & Partnerships
Search TOXNET® Databases
Health Organizations

Disaster Information Management Research Center
Disaster Information Outreach Symposium
March 29-30, 2011

In the Spotlight

- Disaster Information Outreach Symposium: March 29-30, 2011 **New!**
- Earthquakes
- Winter Weather Emergencies (MedlinePlus)
- HHS Public Health Emergency Web Site

New Documents from the Resource Guide

- After Disaster-Responding to Psychological Consequences of Disasters for Children and Young People
- More...

New in PubMed

- Facilitating disaster preparedness through local radio broadcasting.
- More...

Disaster News

Find Disaster Organizations

Search

Limit to state (Optional) -- All --

NLM || Get this widget

Get More Widgets

- DIMRC home page displays widget for a subset of state agencies and health organizations involved in disasters
- Can search by topic and state



Sample DIRLINE Search

U.S. Department of Health & Human Services | www.hhs.gov

Disaster Information Management Research Center
IMPROVING ACCESS TO DISASTER HEALTH INFORMATION

National Library of Medicine
National Institutes of Health
SPECIALIZED INFORMATION SERVICES | NLM

SIS Home | About Us | Site Map & Search | SIS News | Contact Us

SIS Home > DIMRC

Text size: S M L XL
Bookmark and share

Directory of Disaster-Related Organizations

► **Disaster-Related Organizations from DIRLINE (NLM's Directory of Health Organizations)**

Access to DIRLINE records for over 900 organizations with disaster-related responsibilities. DIRLINE, (<http://dirline.nlm.nih.gov>) a free database of the National Library of Medicine, contains over 8,500 records on various health topics. The subset of disaster records encompasses federal, state, and local government agencies; information and referral centers; professional societies; voluntary associations; academic and research institutions and their programs; information systems; regulatory bodies, and research facilities.

Find Disaster Organizations

preparedness

Limit to state (Optional) Florida

Get this widget

More NLM Disaster Information Resources

- Disaster and Emergency Response Tools from NLM
- TOXNET - Toxicology and Environmental Health Resources
- Disaster Health Links
- Disaster Health Literature

- Enter term “preparedness” and select state “Florida”

- Results for all emergency preparedness agencies in Florida

NLM | Directory of Health Organizations
SIS Specialized Information Services

SIS Home | About Us | Site Map & Search | Contact Us

DIRLINE Search Results

Items 1 through 3 of 3
Organization Names are sorted in *relevancy ranked* order.

Select Record	Organization Name	Words Found
<input type="checkbox"/> 1	Florida Division of Emergency Management	preparedness =1 dimrc =1 florida =1
<input type="checkbox"/> 2	Department of Agriculture and Consumer Services - State of Florida Government	preparedness =1 dimrc =1 florida =1
<input type="checkbox"/> 3	Florida Department of Domestic Security - Florida Department of Law Enforcement	preparedness =1 dimrc =1 florida =1

Save Checked Items
Sort
Details
History
Download
SIS Home
MEDLINEplus Home



National Library of Medicine

Staying Connected and Informed

This screenshot shows the top portion of the website. The header includes the U.S. Department of Health & Human Services logo and the National Library of Medicine logo. The main navigation bar contains links for 'SIS Home', 'About Us', 'Site Map & Search', 'SIS News', and 'Contact Us'. A central banner advertises the 'Disaster Information Outreach Symposium' from March 29-30, 2011. On the left, there is a vertical menu with categories like 'Disasters', 'Emergency Response Tools', and 'Disaster Health Literature'. Below this is a search bar and an 'A to Z Index of Resources' with a grid of letters. A 'Stay Connected' box is highlighted with a blue border, containing links to 'Join the Listserv', 'Subscribe to RSS', 'Follow us on Twitter', and 'Bookmark and share'. At the bottom left, there are links for 'About the Center', 'News', 'Publications about the Center', 'Staff Publications', and 'Promotional Materials'.

- Stay connected:
 - Social media
 - DISASTR-OUTREACH-LIB listserv
 - RSS feed

This screenshot shows the middle and right portions of the website. It features a search bar and an 'A to Z Index of Resources' grid. A 'Stay Connected' box is highlighted with a blue border, containing links to 'Join the Listserv', 'Subscribe to RSS', 'Follow us on Twitter', and 'Bookmark and share'. The main content area includes a 'Resource Guide' for 'Disaster Medicine and Public Health Literature' and a 'PubMed' section. A 'New Documents from the Resource Guide' section is highlighted with a blue border, listing 'After Disaster-Responding to Psychological Consequences of Disasters for Children and Young People' and 'Facilitating disaster preparedness through local radio broadcasting'. At the bottom, there is a 'Disaster News' section and a 'Find Disaster Organizations' search bar.

- Stay informed:
 - New documents from the Resource Guide
 - New in PubMed
 - Disaster News



National Library of Medicine

Environmental Health & Toxicology

The screenshot shows the homepage of the Environmental Health & Toxicology website. The header features the title "Environmental Health & Toxicology" with the subtitle "SPECIALIZED INFORMATION SERVICES" and the logo for the National Library of Medicine (NLM) and National Institutes of Health. Navigation links include "SIS Home", "About Us", "Site Map & Search", "SIS News", and "Contact Us".

Key sections include:

- Find Information About... Especially For:** Search TOXNET® Databases, Other Professional Resources, Resources for the Public, Enviro-Health Links, Guides & Tutorials, Quick Tours.
- Drug Information:** A central image of various pills and capsules.
- Search TOXNET:** A search box for hazardous chemicals, toxic releases, and environmental health (e.g., mercury, asbestos).
- In the Spotlight:** Links to REMM Radiation Emergency Medical Management, PillBox, TOXLINE, and Environmental Health Student Portal.
- Search Our Web Site:** A search box with a "Search" button and an example "e.g. climate change".
- A to Z Index of Resources:** A grid of letters from A to Z for navigating resources.
- About TEHIP:** Links to Toxicology & Environmental Health Information Program, Which Resource Should I Use?, and Contact Us: Provide Feedback.
- For Information About...:** Three boxes: LactMed (Information on drugs and other chemicals to which breastfeeding mothers may be exposed), ChemDplus (Dictionary of 380,000+ chemicals), and Dietary Supplements Labels Database (Label information from currently available dietary supplement products).
- Stay Connected:** Links to Join the Listserv, Subscribe to RSS, Follow us on Twitter, and Bookmark and share.
- News & Events:** Links to SIS News and Calendar of Events.

- Collection of information topic pages and resources about environmental health and toxicology
 - Enviro-health links
 - Occupational health
 - Diseases and the environment
 - Pesticide exposure

<http://sis.nlm.nih.gov/enviro.html>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

MedlinePlus

<http://www.nlm.nih.gov/medlineplus/>

The screenshot displays the MedlinePlus website interface. At the top, there are navigation tabs for 'Health Topics', 'Drugs & Supplements', 'Videos & Cool Tools', and 'ESPAÑOL'. Below these, a horizontal menu lists 'Other Topics' from A to XYZ. The main content area is titled 'Disaster Preparation and Recovery'. It features a text block about disaster preparation, a 'Print', 'Email', and 'Share' button, and a small image of a person in a disaster relief setting. Below this, there is a section for 'Terremotos' (Earthquakes) with a detailed text block, a 'Print', 'Enviar', and 'Compartir' button, and a small image of a cracked road. At the bottom, there is an email subscription form for 'Terremotos por email' and a 'Comience aquí' section with links to related resources.

- Consumer-oriented resources
- Examples:
 - Floods
 - Earthquakes
 - Radiation exposure
 - PTSD
 - Tsunamis
 - Winter weather emergencies
- Available in multiple languages



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Network of Libraries of Medicine Emergency Planning & Response Tool Kit

NN/LM Home [About Us](#) | [Contact Us](#) | [Feedback](#) | [Site Map](#) | [Help](#)

NN/LM Emergency Preparedness & Response Toolkit

News & Resources Supporting the NN/LM Emergency Preparedness & Response Initiative

[Toolkit Home](#) | [About the NN/LM Plan](#) | [Calling for Help](#) | [FAQ](#) | [Library Disaster Stories](#) | [Table-Top Exercises](#) | [Training](#) | [Who We Are](#) | [Writing Your Disaster Plan](#)

Library Closings & Related Tweets

Daniel T. Wilson
NEPRTimes

CraigatFEMA Is your Community #tsunami Ready?
<http://www.tsunamiready...>
23 hours ago · reply

fema Resources for the #Japanquake & #tsunami from @google, including person finder
<http://bit.ly/fAzY0v>
22 hours ago · reply

TWCBreaking Latest map showing the #tsunami warnings/advisories & expected arrival times:
<http://wxch.nl/h1uawP>
yesterday · reply

GeaugaWest Library is closed tonight (Wednesday) due to a sewer backup. We will reopen tomorrow morning at 9 AM. The Booksale...
<http://fb.me/W127fg4e>
2 days ago · reply

[twitter](#) Join the conversation

Weather Alerts (Click Map)

Seismology of the Christchurch Quakes

Posted on March 10th, 2011 by Susan Yowell | Filed under [Earthquakes](#), [Information Resources](#) | [No Comments](#)

The National Aeronautics and Space Administration (NASA) has provided us with some interesting observations about why the February 2011 earthquake in the Christchurch, New Zealand area did so much more damage than the one that occurred in September 2010. Check out their satellite image showing the varying severity levels of the quake as well as their explanation about how time of day and location are often even more powerful factors in resulting damage than the severity on the Richter scale—visit <http://earthobservatory.nasa.gov/NaturalHazards/view.php?id=49586&src=eorss-nh>

Note that in addition to the shaking and movement of the earth, in these quakes, there is also "liquefaction" of the soil when groundwater and earth are forced together, which creates yet another kind of impact on the surrounding areas.



Update: University of Canterbury Library

Posted on March 9th, 2011 by Dan Wilson | Filed under [Earthquakes](#) | [No Comments](#)

The University of Canterbury Library remains closed following the earthquake that struck Christchurch, New Zealand, on February 22nd. Their electronic resources are still available and they have set up a special Earthquake Recovery page, which you can see by clicking on the following URL: <http://wiki.canterbury.ac.nz/display/LIBRARY/Earthquake+Recovery+At+UC+Library>.

Peak Tornado Season Approaches

Posted on March 1st, 2011 by Dan Wilson | Filed under [Tornadoes](#) | [No Comments](#)

Site Map

- About the NN/LM Plan
- Promotional Brochures
- Reporting Forms
- Calling for Help
- FAQ
- Library Disaster Stories
- Table-Top Exercises
- Training
- Who We Are
- Writing Your Disaster Plan
- Mutual Aid Agreements
- Pandemic Planning Resources

Popular Posts & Pages

1. Writing Your Disaster Plan
2. Table-Top Exercises
3. About the NN/LM Plan
4. Library Disaster Stories
5. New disaster plan template available
6. Bomb Threat Drills
7. Reporting Forms
8. Christchurch Earthquake
9. Training
10. Hurricane Tabletop Drill
11. Earthquakes
12. Pandemic Planning Resources
13. Calling for Help
14. Active Shooter: Plan, Prevent, Survive

- Emergency preparedness and response tools and guidance for libraries

- Disaster plans
- Service continuity
- Collection and facility protection
- Training

<http://nnlm.gov/ep/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Emergency Access Initiative

United States
National Library of Medicine
National Institutes of Health

Search NL
NLM Home

Emergency Access Initiative

The Emergency Access Initiative (EAI) is a partnership of the National Library of Medicine, the National Network of Libraries of Medicine, and the Professional/Scholarly Publishing Division of the Association of American Publishers and other publishers. EAI provides temporary free access to full text articles from major biomedicine titles to healthcare professionals, librarians, and the public affected by disasters.

Access to biomedical literature through the Emergency Access Initiative is only available to those affected by the disaster and for those providing assistance to the affected population. Other users should contact their local medical library or the National Network of Libraries of Medicine by calling 1-800-338-7657 for biomedical literature.

Active Event: **Japan - earthquake and tsunami**

Free access period: **March 14, 2011 - April 8, 2011**

Enter the characters in the image below:



If you are unable to view the image above, please try the [alternative login](#).

Login

- Provides free access to full-text articles from biomedical journals and reference books for areas affected by disasters
- Activated for Haiti earthquake, Gulf oil spill, floods in Pakistan, and disaster in Japan
- Partnership with publishers
- 200+ journal titles; 30+ reference books

<http://eai.nlm.nih.gov>



EAI Sample Titles

- Sample journal titles

- American journal of infection control
- Burns
- Depression and anxiety
- Emergency radiology
- Environmental toxicology and pharmacology
- Journal of emergency medicine
- Journal of traumatic stress
- New England journal of medicine

- Sample book titles

- Merck manual of diagnosis and therapy
- Public health and prevention management
- Trauma
- Human virology
- Emergency medicine procedures
- Infectious diseases: the clinician's guide to diagnosis, treatment and prevention
- AHFS Drug Information



FEDERAL RESOURCES



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

FEMA

The screenshot shows the FEMA website homepage. At the top left is the FEMA logo, which includes the U.S. Department of Homeland Security seal and the word 'FEMA'. To the right of the logo is a search bar with a 'Go' button and a link to 'Advanced Search'. Below the search bar are social media icons for Facebook, Twitter, YouTube, RSS, and a mobile app icon. A horizontal navigation bar contains the following tabs: Home, Plan & Prepare, Recover & Rebuild, Apply for Assistance, Disasters & Maps, FEMA Audiences, About FEMA, and News & Media. Below the navigation bar are three main content sections:

- Are you prepared?** (Green header): Includes links for 'Spring brings a higher risk of flooding', 'Get prepared for a tsunami, earthquake, or wildfire', and 'Support your local community during an emergency'. It features the 'Ready' logo with the tagline 'Prepare. Plan. Stay Informed.'
- Are you a disaster survivor?** (Blue header): Includes links for '3 Step Guide for Assistance', 'Disaster pages and recovery tips & resources', and 'Gulf Coast oil spill assistance'. It features the 'DisasterAssistance.gov' logo with the tagline 'ACCESS TO DISASTER HELP AND RESOURCES'.
- Updates & Ongoing Activities** (Orange header): Includes links for 'Earthquake and Tsunami in Japan', 'Celebrating Emergency Preparedness for People with Disabilities', and 'Federal assistance in spring flooding season'. It also includes a link for 'Have a question? Administrator Fugate has an answer'.

At the bottom of the page, there is a 'Multimedia Content' section with links for Photos, Videos, and Widgets, and a 'Sections' section with links for Flood Info, Insurance & Maps, Forms and Publications, and Grants.

- Tabs:
 - Audiences
 - Plan & Prepare
 - Disasters & Maps

<http://fema.gov>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Ready.gov

The screenshot shows the Ready.gov website. At the top left is a globe icon and a 'Languages' section with a dropdown menu for 'Jump to a Translated Region' and a 'Go!' button. To the right is a sign-up section with the text 'To sign up for updates or to access your subscriber preferences, please enter your email address below.' and an 'Email Address' input field with a 'SIGN UP' button. The main content area features a large banner with a family photo and the text 'Ready Prepare. Plan. Stay Informed.' Below this is a green sidebar with links for 'Ready America', 'Ready Business', and 'Ready Kids'. The main content area has a three-step process: 1. GET A KIT. (with a first aid kit icon), 2. MAKE A PLAN. (with a clipboard icon), and 3. BE INFORMED. (with a laptop icon). At the bottom, there is a section for 'Prepare, Plan and Stay Informed' with a banner for 'About TSUNAMIS' and a small circular icon.

- For consumers
- Special concerns (elders, pets)
- Personal preparedness for first responders

<http://ready.gov>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

DisasterAssistance.gov

En Español

DisasterAssistance.gov
ACCESS TO DISASTER HELP AND RESOURCES

Search
Advanced Search

HOME | DISASTER ASSISTANCE | DISASTER INFORMATION | FOREIGN DISASTERS | ABOUT US | HELP

Take Questionnaire | Category | Federal Agency |

Locate and Apply for Disaster Relief

Take Pre-Screening Questionnaire
Take an anonymous questionnaire to obtain and apply for the most accurate list of disaster forms of assistance for which you may be eligible.

Apply for Assistance Immediately
Complete an online application, create an account, and apply for disaster assistance.

OR

Take Questionnaire | Start Registration

Application Form | SECTION 1: PERSONAL DETAILS | **Check Your Application Status** | Login

Are You Ready?

- Download *Are You Ready?* (PDF) **An In-depth Guide to Citizen Preparedness.**
- Download plug-in Adobe Acrobat

Gulf Oil Spill Assistance

- Affected by the Gulf Oil Spill? **CLICK HERE** to file a claim or to learn about additional oil spill assistance.
- In Vietnamese, Tiếng Việt



<http://disasterassistance.gov>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

CDC: Emergency Preparedness & Response

CDC Home
CDC Centers for Disease Control and Prevention
Your Online Source for Credible Health Information

A-Z Index [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) #

Emergency Preparedness and Response

The CDC Emergency Preparedness and Response website is CDC's primary source of information and resources for preparing for and responding to public health emergencies. This site continues to keep the public informed about public health emergencies and provides the information needed to protect and save lives



Tsunamis
Public Health Issues Caused by Tsunamis **GO**

- Cholera Outbreak
- Tsunamis
- Radiation

Emergency Website A-Z: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Specific Hazards

 Bioterrorism Anthrax, plague, smallpox...	 Mass Casualties Explosions, blasts, injuries...
 Chemical Emergencies Ricin, chlorine, nerve agents...	 Natural Disasters & Severe Weather Earthquakes, volcanoes...
 Radiation Emergencies Dirty bombs, nuclear blasts...	 Recent Outbreaks & Incidents <i>Salmonella</i> , melamine...

Blog: Public Health Matters



Haiti Cholera Response: Stories from the Field, Part 3
On one beautiful sunny day, we passed by a group of people under an awning. At first, I thought they might be gathering after a church service. Only as we passed did I realize they sat facing a coffin...

[More »](#)

[Preparedness for All Hazards](#)

[What CDC Is Doing](#)

Text size: [S](#) [M](#) [L](#) [XL](#)

- Email page
- Print page
- Bookmark and share
- Subscribe to RSS

View page in

- 中文 (Chinese)
- Tagalog (Filipino)
- Français (French)
- Deutsch (German)
- Kreyol (Haitian Creole)
- Italiano (Italian)
- 한국어 (Korean)
- Português (Portuguese)
- Русский (Russian)
- Español (Spanish)
- Tiếng Việt (Vietnamese)

[Get email updates](#)

To receive email updates about this page, enter your email address:

<http://emergency.cdc.gov>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Public Health Emergency

The screenshot shows the Public Health Emergency website. At the top, it identifies the U.S. Department of Health & Human Services and the Office of the Assistant Secretary for Preparedness and Response. Navigation tabs include Preparedness, Emergency (which is active), and About ASPR. The main header features the Public Health Emergency logo and the tagline "Public Health and Medical Emergency Support for a Nation Prepared". A search bar is located on the right. The central content area highlights a featured document: "State & Local Planners Playbook for Medical Response to a Nuclear Detonation" with a "More information" link. To the left is a vertical menu with categories like "Public Health & Medical Services Support", "Legal Authorities, Policies, Guidance & Committees", "Federal, State, & Local Planning", "Medical Countermeasures", "International Preparedness & Response", "Responders, Clinicians, & Practitioners", and "Public Health Emergency Response". Below this are sections for "Disaster Response" (with links to daily updates, declared disasters, assistance, and more response), "Agents, Diseases, & Other Threats" (with links to natural disasters and bioterrorism), and "State Coordination" (with a form to select a state for public health and emergency management, and a link for more information). On the right side, there are sections for "Most Popular" (listing various medical countermeasures and screening frameworks), "Boards & Committees" (listing the National Biodefense Science Board and National Health Security Strategy), and "Social Media" (with icons for Facebook, Twitter, and YouTube).

<http://phe.gov>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Commission on Children and Disasters



 NATIONAL COMMISSION ON CHILDREN AND DISASTERS

→ Home

→ About The Commission

- ▶ Statute
- ▶ Commissioners
- ▶ Staff
- ▶ Charter

→ Commission Meetings

- ▶ Public Meetings and Field Visits
- ▶ Subcommittee Meetings
- ▶ Supplemental Documents

→ Resources on Children and Disasters

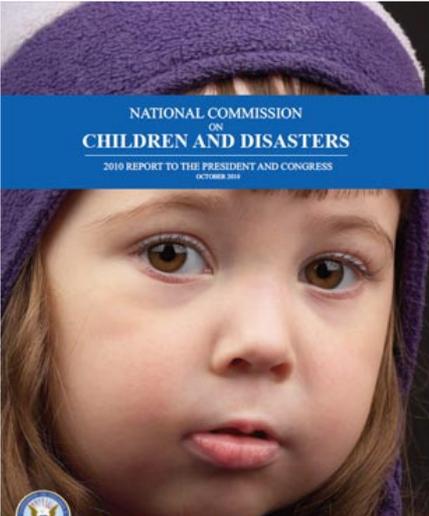
→ Newsroom

- ▶ Press Releases and Events
- ▶ In the News

→ Contact Us

Sign Up for

Commission Delivers 2010 Report to the President and Congress



NATIONAL COMMISSION ON CHILDREN AND DISASTERS
2010 REPORT TO THE PRESIDENT AND CONGRESS
OCTOBER 2010

<http://www.childrenanddisasters.acf.hhs.gov>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

NON-FEDERAL RESOURCES



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Association of County & City Health Officials (NACCHO)

Log In | Event Calendar | Careers

NACCHO

National Association of County & City Health Officials

The National Center for Public Health Preparedness

Search

Programs | Communications | Toolbox | Public Health Advocacy | Press Room

Programs

Programs and Activities

Public Health Preparedness

Advanced Practice Centers | Medical Reserve Corps | Project Public Health Ready
Public Health Preparedness Law | Radiological and Nuclear Preparedness |
Risk-Based Border Strategy | Strategic National Stockpile

NACCHO's preparedness work focuses on activities related to both practice and policy. NACCHO creates new tools and improves existing ones to help local health departments enhance their readiness to respond to public health emergencies and other disasters. NACCHO also serves as a conduit through which local input can reach and effect positive change on national initiatives.

In the Spotlight

Public Health Preparedness Capabilities Just Released

- Public health preparedness
- Project Public Health Ready

<http://www.naccho.org/topics/emergency/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Advanced Practice Center Toolkits

Access All Toolkits

FEATURED TOOLKITS

- Business Continuity
- Family Assistance Center
- Medication Dispensing
- Public Information Call Center
- Vulnerable Populations

HEALTH CARE DECISIONS IN DISASTERS: ENGAGING THE PUBLIC
Posted on: March 03 2011 - 7:25am
Health Care Decisions in Disasters: Engaging the Public on Medical Service Prioritization During a Severe Influenza Pandemic

A severe influenza pandemic would have a profound impact on the health care delivery system. Shortages of life-sustaining medical resources, including hospital beds, health care staff, intensive care unit resources, medical supplies, equipment, and medications are expected. Rationing of scarce resources and alterations in the standards of health care delivery are widely acknowledged to be necessary considerations in response to such large-scale health emergencies, yet there has been little public dialogue on these issues. As a result, the limited guidance that exists has not been directly informed by public values and opinions

[Read More...](#)

0 Comments | Share This Post

MONTGOMERY COUNTY APC CASE STUDY: EVERYBODY READY EN
ESPAÑOL BENEFITS RURAL IDAHO COMMUNITY HEALTH

SURVIVOR TALES

Survivor Tales
IN DEEP WATER

Survivor Tales
AFTERSHOCKS

- Isolation & quarantine
- Vulnerable populations
- Many more
- Help tailoring to local policies

<http://www.apctoolkits.com/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Association of State and Territorial Health Officials (ASTHO)

The screenshot shows the ASTHO website with the following elements:

- Logo:** astho™ ASSOCIATION OF STATE AND TERRITORIAL HEALTH OFFICIALS
- Navigation:** PROGRAMS +, EVENTS +, ADVOCACY +, RESEARCH +, MEMBER SERVICES +
- Section Header:** PREPAREDNESS
- Left Column (Menu):**
 - Access »
 - Accreditation and Performance »
 - Branding Public Health »
 - e-Health »
 - Environmental Health »
 - Health Equity »
 - Health Reform »
 - Immunization »
 - Infectious Disease »
 - Preparedness »** (highlighted with a red box)
 - States of Preparedness »
 - Strategic National Stockpile »
 - Prevention »
 - Workforce and »
- Right Column (Content):**
 - Protecting Americans against natural, manmade, and accidental public health threats**
 - About**

ASTHO helps state and territorial public health agencies anticipate, prepare for, recognize, and respond to terrorist attacks and other public health threats and emergencies through the development of comprehensive, coordinated public health preparedness programs and plans through collaboration with local, state and federal partners.
 - States of Preparedness**

ASTHO maintains a continually updated collection of documents detailing promising practices in public health and health system preparedness from across the United States.

 - [Useful Practices in Public Health and Healthcare System Preparedness »](#)

<http://www.astho.org/programs/preparedness/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

NYC Office of Emergency Management

The screenshot shows the homepage of the NYC Office of Emergency Management (OEM). The header features the OEM logo and the text "New York City Office of Emergency Management". Below the header, there is a navigation bar with the date "Wednesday, March 16, 2011", a "Printer Friendly" link, language options for "中文 (繁體)", "Español", and "Русский", and a "Text Size" selector with three "A" icons. A search bar with a "GO" button is located below the navigation bar. The main content area is divided into a left sidebar and a main article. The sidebar contains a vertical menu with links for "Home", "About OEM", "Get Prepared. Get Involved.", "NYC Hazards", "For Businesses", "News & Events", and "Contact OEM". Below the menu are social media icons for Twitter, Facebook, and YouTube, and an "Get ADOBE READER" button. The main article is titled "Earthquake Hits Japan" and includes a sub-headline "On Friday, March 11, an 8.9 magnitude earthquake struck off the coast of Japan. Tsunamis have swept across the region, reaching all the way to Hawaii. Google created a [Web tool](#) for listing and finding missing people in Japan." Below the article text is a "Sign up for OEM Updates" button and a "News" section with the date "January 26, 2011" and the headline "The City Issues a Weather Emergency". The background of the main content area is a large image of the New York City skyline.

<http://www.nyc.gov/html/oem/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Resource Center on Advancing Emergency Preparedness for Culturally Diverse Communities

Advancing Emergency Preparedness for Culturally Diverse Communities

Home | About the Center | Who We Are | What's New? | Topic of the Month | Voices from the Field | Submit a Resource | How to Use | Contact Us

Keyword Search
Search

→ [Advanced Search](#)
→ [Need Help Searching?](#)

Browse by Resource Type

- [Data](#)
- [Policy](#)
- [Program & Project](#)
- [Publication](#)
- [Research & Evaluation](#)
- [Training & Education](#)
- [Translated Material](#)

Browse by Topic

- [Community Engagement](#)
- [Cultural Competence](#)
- [Phase of Emergency](#)
- [Risk Communication](#)
- [Type of Emergency](#)

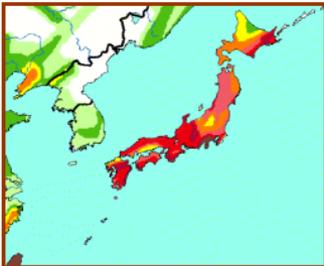
Browse by

- [Community](#)
- [Language](#)
- [Organization](#)
- [State](#)
- [Target Audience](#)

Welcome to the National Resource Center on Advancing Emergency Preparedness for Culturally Diverse Communities, a project of the [Drexel University School of Public Health's Center for Public Health Readiness & Communication](#), developed with support from the [HHS Office of Minority Health](#).

Emerging Issue: Nuclear Emergency in Japan

Japanese officials are taking steps to prepare for a potential nuclear disaster after a 8.9 magnitude earthquake and tsunami on March 11, 2011 [crippled nuclear reactors](#) at power plants across the country—prompting the threat of nuclear meltdown. Given the current status of the situation, and the location of the damaged facilities, the [United States Nuclear Regulatory Commission](#) states that the United States and its territories at no risk of radiation. Depending on dose, ionizing radiation can have severe consequences for human health, including carcinogenetic and genetic effects. The Centers for Disease Control and Prevention has centralized resources on [radiation emergencies](#)—including fact sheets about [potassium iodine](#), which can be used for primary prevention, and [Prussian blue](#), which can be used as a secondary or tertiary measure. Information on nuclear radiation emergencies in various languages [HERE](#).



Topic of the Month: Promoting All Aspects of Recovery in Diverse Communities

Recovering from a disaster or public

SHARE

E-newsletter sign-up

Keep updated on new efforts, resources, events and news in the field.

Sign-up Now »

Drexel

Emerging Topics:

- [Oil Spill](#)
- [H1N1](#)
- [Haiti Situation](#)
- [Chile Earthquake](#)

E-Newsletter:

To view past and current DiversityPreparedness.org E-Newsletters [CLICK HERE](#).

- Communication
- See left navigation
- Types of information, audiences, topics

<http://www.diversitypreparedness.org/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

More Examples of Associations

- American College of Emergency Physicians
<http://www.acep.org/practres.aspx?id=30194>
- American Medical Association
<http://www.ama-assn.org/ama/pub/physician-resources/public-health/center-public-health-preparedness-disaster-response.shtml>
- American Public Health Association
<http://www.apha.org/> <http://getreadyforflu.org>
- World Association for Disaster and Emergency Medicine
<http://wadem.medicine.wisc.edu/>
- American Red Cross
<http://www.redcross.org/>



More Examples of Academic Centers

- Center for the Study of Traumatic Stress
<http://www.centerforthestudyoftraumaticstress.org/>
- Institute of Medicine Forum on Medical and Public Health Preparedness for Catastrophic Events
<http://www.iom.edu/Activities/PublicHealth/MedPrep.aspx>
- Natural Hazards Center – University of Colorado at Boulder
<http://www.colorado.edu/hazards/>
- Center for Biosecurity at the University of Pittsburgh Medical Center
<http://www.upmc-biosecurity.org/>
- Center for Infectious Disease Research & Policy (CIDRAP)
<http://www.cidrap.umn.edu/>



More, more, more

Disaster Information Management Research Center
IMPROVING ACCESS TO DISASTER HEALTH INFORMATION

National Library of Medicine
National Institutes of Health
SPECIALIZED INFORMATION SERVICES 

SIS Home | About Us | Site Map & Search | SIS News | Contact Us

SIS Home > DIMRC

Text size: [S](#) [M](#) [L](#) [XL](#)
 Bookmark and share

Sources of Emergency and Disaster Health Information from the U.S. Government

- ▶ Federal Organizations
- ▶ Information for the Public

Related Information
Search for state organizations and agencies involved in disaster planning and response.

Find Disaster Organizations

Limit to state (Optional)
NLM | [Get this widget](#)

Federal Organizations

- [Office of the Assistant Secretary for Preparedness and Response \(ASPR\), PHE.gov - Public Health Emergency, U.S. Department of Health and Human Services](#)
Information about preventing, preparing for, and responding to the adverse health effects of U.S. public health emergencies and disasters
- [Centers for Disease Control and Prevention \(CDC\), U.S. Department of Health and Human Services](#)
Information and resources related to preparing for and responding to public health emergencies
 - [Agency for Toxic Substances and Disease Registry](#)
Information about harmful exposures and diseases related to toxic substances

- Federal resources
- Widget to find state agencies and health organizations

<http://disasterinfo.nlm.nih.gov/dimrc/federalresources.html>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

LIBRARIES & AGGREGATORS



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Homeland Security Digital Library

The screenshot shows the HSDL website with a search bar, navigation tabs for 'Access to Collections' and 'Highlights of the HSDL Collection', and various content sections including 'Key Policy and Strategy Documents', 'Featured Topics', 'Critical Releases in Homeland Security', and 'Homeland Security Websites'. It also features a sidebar with 'Ask a Librarian', 'HSDL Email Alerts', and 'Lists'.

- Different levels of access
- Policy and strategy documents
- Blog

<https://www.hSDL.org/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Lessons Learned Information Sharing

The screenshot shows the LLIIS.gov website. At the top left is the FEMA logo with the text 'U.S. DEPARTMENT OF HOMELAND SECURITY' and 'FEMA'. To the right of the logo is the title 'Lessons Learned Information Sharing' and the URL 'LLIS.gov'. Below this is a navigation bar with the tagline 'Sharing Information...Enhancing Preparedness...Strengthening Homeland Security' and links for 'About LLIIS.gov' and 'Contact LLIIS.gov'. The main content area is divided into three sections: 'Membership Login' on the left with a login form and links for registration and membership information; a central 'Document Library' section with a circular image of books and text stating 'LLIS.gov contains a comprehensive library of homeland security and emergency management documents, including: After-Action Reports, LLIIS.gov Original Research, State and Local Plans, and DHS Guidance. Log in to access the Document Library'; and a 'Join the LLIIS.gov Community' section on the right with a 'REGISTER HERE' button. Below the main content are three boxes for 'LLIS.gov Testimonials', 'Featured Content', and 'LLIS.gov Outreach'. A vertical sidebar on the left contains links for HOME, ABOUT LLIIS.gov, LLIIS.gov NEWSLETTER, FAQ, DHS POLICY AND GUIDELINES, SUBMIT TO LLIIS.gov, and CONTACT LLIIS.gov.

- Access strictly limited to emergency management professionals and others on approval

<https://www.llis.dhs.gov>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

HazLit

Searching HazLit

Choose a field to search then enter the search term in the "for" box. Submit the request by clicking on the search button. Click [here](#) for help.

* Note - No AND/OR needed in search fields

[Return To Library Home](#)

Show Marked Records

Single-Field Search

Search Method: All Words (AND) Any Words(OR) Exact Phrase Begins With

Search Field:

Search Text:

Keywords:



Search Single Field

Multi-Field Search

Search Method: All Words (AND) Any Words(OR) Exact Phrase Begins With

Search Field:

Search Text:

Keywords:

Logical Operation OR AND



Search Field:

Search Text:

Keywords:

Search Multi Field

<http://www.colorado.edu/hazards/library/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Learning Resource Center, NETC

Learning Resource Center | FEMA | Main Content
Sponsored by the U.S. Fire Administration

Home Search OPAC LRC Policies & Info Online Resources Search Tips Contact Us

Learning Resource Center
National Emergency Training Center

Welcome!
Get Started Below:

Search Online Catalog >>

Welcome to the NETC Library's Web Site

An All-Hazards information portal for the fire and emergency management communities

FEED Latest Updates

NETC LRC News and Information
Latest information of interest to the fire and emergency management communities.

- Radiation exposure: Why US is confident West Coast isn't in danger
CSMonitor
- NIST releases final version of its Charleston Sofa Super Store Tech Report
NIST
- How do you know if you've absorbed too much radiation?

Links of Interest

- Prevention & Public Education Exchange
- Executive Fire Officer Papers
- First Responder Dissertations & Theses
- USFA History Station
- All-Hazards News Roundup
- Fire Prevention News Roundup
- LRC Brochure
- NETC Library Fire, EMS and Emergency Management Thesaurus

- Open library
- Online catalog
- Books, AV, reports

<http://www.lrc.fema.gov/>



INTERNATIONAL RESOURCES



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WHO/PAHO

[Log In](#) [English](#) [Spanish](#)



Pan American Health Organization
Regional Office of the World Health Organization



World Health Organization



Area on Emergency Preparedness and Disaster Relief

In this website All PAHO PAHO + WHO

Contact Us
About Us
Caribbean
Central America
South America
PAHO Home

Disaster Home

Emergency Operations Center

Major Emergencies

Emergency Response Teams

Response Guidelines

How to Donate

Regional Contacts

Disaster Archives

Hospitals Safe from disasters

Reduce risk, protect health facilities, save lives



Info Tools

Publications Catalog

"Disasters" Newsletter

Briefly Noted

Virtual Disaster Library

CRID

Health in the Americas

Disaster Home

You can subscribe / unsubscribe to our situation reports distribution list here

Japan Earthquake and Tsunami

A 9.0 magnitude earthquake occurred 11 March 2011 in Japan, hitting the northeast coast of Honshu, Japan. The worst affected area is the east coast of Tohoku region. Tsunamis have caused devastation in the coastal areas of Tohoku and southern Hokkaido. More than 7,000 people have been confirmed dead, although the final death toll is expected to be much higher. The population around the Fukushima Daiichi nuclear power plant has been evacuated due to the potential radiation hazard in the area.



EOC Japan Alert, Sit Rep 2, March 18 2011 (In Spanish)

Additional information from the WHO website

[Read more...](#)

The Earthquake in Haiti--One Year Later

One year after the earthquake of 12 January 2010 struck Haiti, PAHO/WHO continues to support the response through initiatives aimed at rebuilding a devastated health system and improving the health of the Haitian population. In the immediate aftermath of the earthquake, a complex humanitarian response was launched to save lives and assist the affected population. In the months that followed



PAHO Responds to Cholera Outbreak on the Island of Hispaniola

Epidemiological reports continue to show a decline in new cholera cases in Haiti; however, clusters of increased numbers of cases have been reported in isolated areas. Haiti's Ministry of Public Health and Population reports that, as of February 21, there were 234,303 cases and 4,533 deaths due to cholera. With Carnival



Publications Catalog

Great Books on Disasters

Health Emergency Event toolkit

Leadership During a Health Emergency:
What Your Municipality Can Do

ADVOCACY

- Program Documents
- Special Events
- Spotlight on...
- Videos / Photos

Country Profiles
Health and Disasters

Legislation



facebook.

twitter

<http://www.who.int/topics/disasters/en/>
<http://new.paho.org/disasters/?lang=en>



National Library of Medicine

Regional Disaster Information Center for Latin America and the Caribbean (CRID)

The screenshot shows the CRID website interface. At the top left is the CRID logo and the text 'Regional Disaster Information Center Latin America and the Caribbean'. To the right, a black banner contains the text 'Send your printed or electronic documents and videos to our Center'. Below this is a navigation bar with 'HOME', 'ESPAÑOL', and a search box with 'SEARCH: Select' and a 'CONTINUE' button. A vertical navigation menu on the left lists: 'What is CRID?', 'Information Services', 'Bibliographic Tools', 'Training Material', 'Latin America and the Caribbean -Contacts-', 'Information Resources Series', 'Projects at CRID', 'Related Sites', and 'Other Information Resources'. A link for 'Information Minikits (Info Packs)' is highlighted. The main content area is titled 'Information Services' and 'Specialized Bibliographies'. It features a 2x3 grid of 'Bibliodes' publications, each with a cover image, a title, and a brief description.

Bibliodes No. 30	Bibliodes No. 29	Bibliodes No. 28
Community Organization in the Local Risk Management	Towards a culture of prevention Disaster education	Prevention Pays
Bibliodes No. 27	Bibliodes No. 26	Bibliodes No. 25
Hurricanes	Information Natural Disaster Reduction Begins with Information	Water Too much ... or too little Main Cause of Natural Disasters

http://www.crid.or.cr/ing_serv_info_bibliodes.shtml



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

ReliefWeb

log in | My ReliefWeb | Contact | Feedback

Search

Advanced Search

HOME | LATEST UPDATES | COUNTRIES & EMERGENCIES | APPEALS & FUNDING | POLICY & ISSUES | PROFESSIONAL RESOURCES | MAPS

The New reliefweb

It's coming soon!

- New Design
- Power Subscriptions
- Handpicked Content

Learn More →

SERVING THE INFORMATION NEEDS OF THE HUMANITARIAN RELIEF COMMUNITY 25 Mar 2011

MAP CENTRE »

Libyan Arab Jamahiriya Crisis: Humanitarian Snapshot (as of 22 Mar 2011)

See all Maps

COUNTRIES & EMERGENCIES »

Haiti »

Pakistan Floods »

DR Congo »

Occupied Palestinian Territory »

Somalia »

Libya »

Côte d'Ivoire »

Sudan »

Sri Lanka floods »

Sahel »

Yemen »

See all Countries, Emergencies & Natural Disasters:

[Africa](#) | [Americas](#) | [Asia](#) | [Europe](#) | [Oceania](#)

LATEST NATURAL DISASTERS »

Myanmar: Earthquake - Mar 2011 »

Japan: Earthquake and Tsunami - Mar 2011 »

HEADLINES

How to send us information »

- Japan: Thousands remain homeless, without electricity as cold weather worsens »
- Myanmar: Quake kills 65, injures 111 in Shan State »
- Côte d'Ivoire: Access to care under serious threat - MSF »
- Syria: Security forces kill dozens of protesters »
- Philippines: Back to the table, warily, in Mindanao »
- Libya: Thousands of people awaiting evacuation, donor support urgently required »
- Day of Solidarity with Detained and ... »

TOOLS »

- New version coming March 2011
- News updates
- Country reports
- Filter
- RSS of search results

<http://www.reliefweb.int/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

KEEPING UP



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Keeping up

- Disaster Outreach Librarian listserv
 - <http://disasterinfo.nlm.nih.gov/dimrc/dimrclistserv.html>
- RSS feeds (as a way to follow blogs and other dynamic sites)
- Automatic site emails
- Twitter



Twitter



NLM SIS
@NLM_SIS Bethesda, MD
division of the U.S. National Library of Medicine at the
National Institutes of Health
<http://sis.nlm.nih.gov>

+ Follow

Timeline Favorites Following Followers Lists

NLM SIS NLM SIS
Speaker Isabel Lopez Gordo participated in response efforts for the Haitian earthquake & the cholera epidemic that followed.
[#DisasterInfo](#)
2 hours ago

NLM SIS NLM SIS
Just a reminder - 4 the next 2 weeks we'll give you a taste of our [#DisasterInfo](#) speakers background. For more see -
<http://bit.ly/hOSbv7>
3 hours ago

NLM SIS NLM SIS
Speaker Ed Metz of the Natl. Emergency Training Center library supports research & instructional programs at FEMA's EMI & USFA
[#DisasterInfo](#)
22 hours ago

NLM SIS NLM SIS
New version of Wireless Info System 4 Emergency Responders (WISER) available w/ data updates & chemical reactivity!
<http://bit.ly/fxjzfq>
21 Mar

http://twitter.com/NLM_SIS

- 140 character updates
- Indexed in real-time
- Look for blue T or bird icon



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Organizations/Agencies on Twitter

US Government

- USAID - @USAID
- FEMA - @fema
- CDC Emergency - @CDCemergency
- NACCHO - @NACCHOalerts
- US EPA Web - @EPAweb
- FluGov - @FluGov
- ASPR - @PHEgov
- StateDept - @StateDept

International

- American Red Cross - @RedCross
- IFRA - @Federation
- WHO News - @whonews
- PAHO/WHO Equity - @eqpaho
- WHO/PAHO EOC - @pahoeoc
- ReliefWeb - @reliefweb

Others

- Doctors w/o Borders - @MSF_USA
- CrisisCommons - @CrisisCommons
- Crisis Social Media - @CrisisSocMed
- Natural Hazards Center - @HazCenter
- Crisis Mappers - @CrisisMappers



NLM's Disaster Information Tools and Mobile Applications



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Wireless Information System for Emergency Responders (WISER)



www.wiser.nlm.nih.gov



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WISER – The Beginning

Who might use the information?

What other open source info do they use/need? How can it be incorporated?

What databases do we already have that could be used by others?

HSDB

How can it be packaged in a format that is useful/intuitive?



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WISER Users

First Responders/Fire Fighters



HazMat



EMS/Paramedics



ER personnel



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

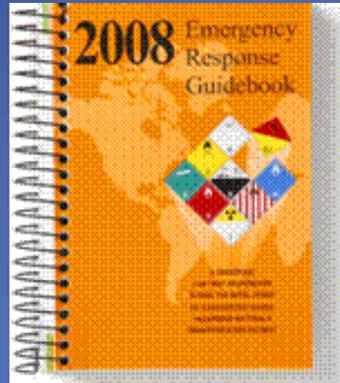
CBRNE Information in WISER

- ~420 Chemical Agents
- ~20 Radiological Agents
- CDC Category A Biological Agents



What information sources are used in WISER?

Hazardous
Substances
Data Bank
(HSDB)



WMD
Response
Guidebook



WISER - Strategic Objectives

- Easy to use, intuitive.
- Information tailored to the specific needs and roles of 1st responders, HazMat, EMS, & 1st receivers.
- Reliable, complete, and trustworthy information.
- Unknown substance identification capabilities.
- Provide a platform that can be expanded to support other emergency response needs.
- Rich, stand-alone capability with enhanced connected (wireless) capabilities.
- Cross-platform, multi-device architecture.



WISER Platforms – A Little History



Palm Pilot



Pocket PC



Laptop

Coming soon!



Android



BlackBerry



iPhone



WebWISER



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WISER – Home Page

Wireless Information System
for Emergency Responders



United States
National Library of Medicine
Specialized Information Services

Search SIS Site:

[Home](#) [About](#) [News](#) [Download](#) [WebWISER](#) [Help](#) [Contact Us](#)

Welcome to WISER

Wireless Information System for Emergency Responders

WISER is a system designed to assist first responders in hazardous material incidents. WISER provides a wide range of information on hazardous substances, including substance identification support, physical characteristics, human health information, and containment and suppression advice.

Latest News

New! As of 3/8/2011, version [4.4 of WISER](#) is available.

New! As of 7/19/2010, version 1.0 of [WISER for BlackBerry](#) is available.

Download

WISER is [available for download](#) as a standalone application on Windows Mobile devices, Palm OS PDAs, Apple iPhone and iPod Touch, BlackBerry devices, Microsoft Windows PCs, and via [WebWISER](#).

Visit the [training page](#) to download materials that aid with training on the usage of WISER.

[See what's new](#) in 4.4.

WebWISER

When an Internet connection is available, use your web browser to access the same functionality of the standalone applications. [WebWISER](#) supports both PC- and PDA-based browsers, including **BlackBerry**, **iPhone**, and **Android** devices.

Join the E-mail List

Want to get notices of WISER updates and news? [Join the WISER E-mail List](#) to automatically receive important announcements about WISER.

Please note that the National Library of Medicine does not warrant or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed.

[Copyright](#), [Privacy](#), [Accessibility](#)

U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894

National Institutes of Health, Health & Human Services

Hazmat-Related Resources at NLM

Disaster Information Management
Research Center

Radiation Emergency Medical
Management (REMM)

TOXNET

MedlinePlus offers trusted links to
general health topics

- Fire Safety
- Disasters
- Disaster Preparation and Recovery
- Poisoning
- and more...

Household Products Database

Tox Town

Other Environmental Health Topics

Other Hazmat-Related Resources

DOT ERG - (Department of
Transportation - Emergency Response
Guidebook)

EPA Chemical Fact Sheets

ATSDR ToxFAQs

New Jersey Hazardous Substance Fact
Sheets

CHEMTREC

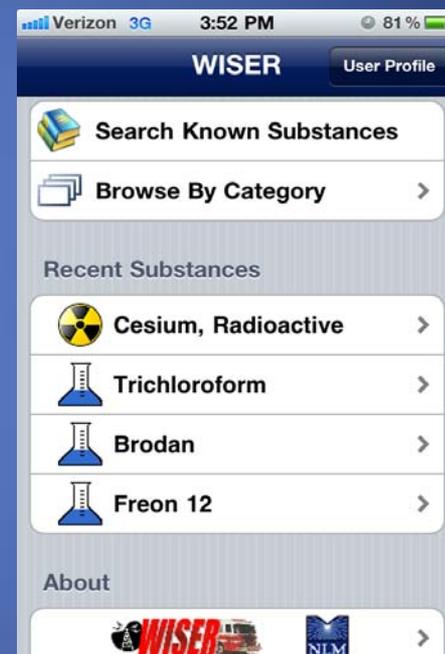
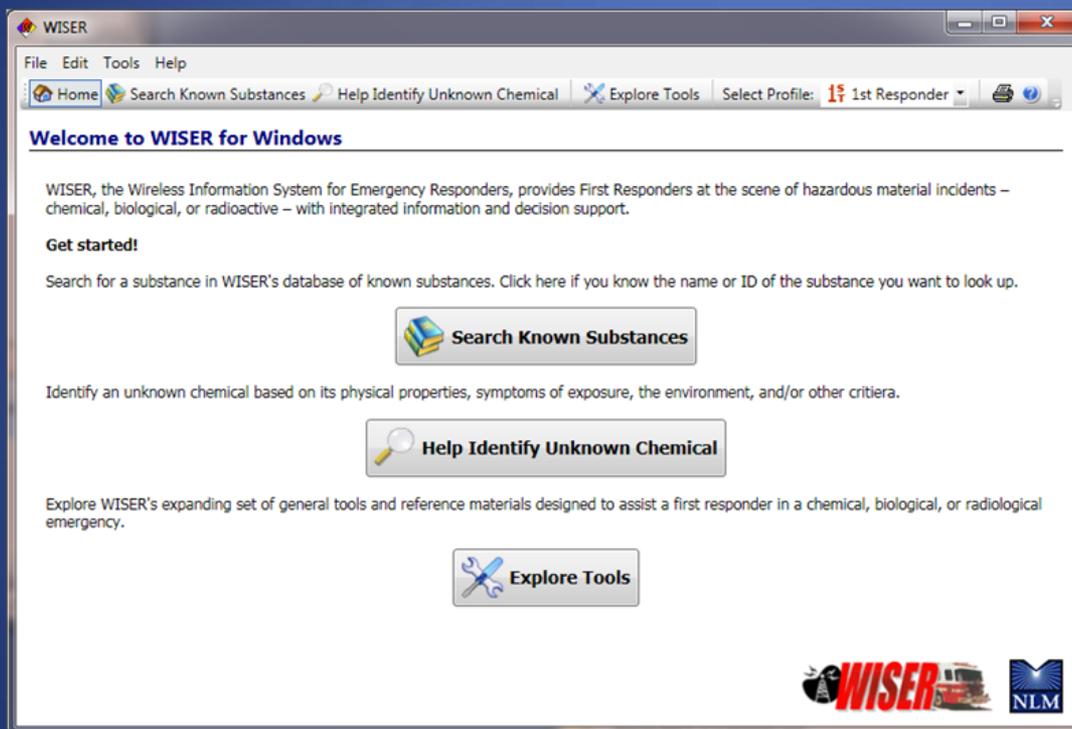


National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WISER Basics

Either you know what you're dealing with...



... or you don't!



“Help Identify” Unknown Chemical

- Identify chemicals based on :-

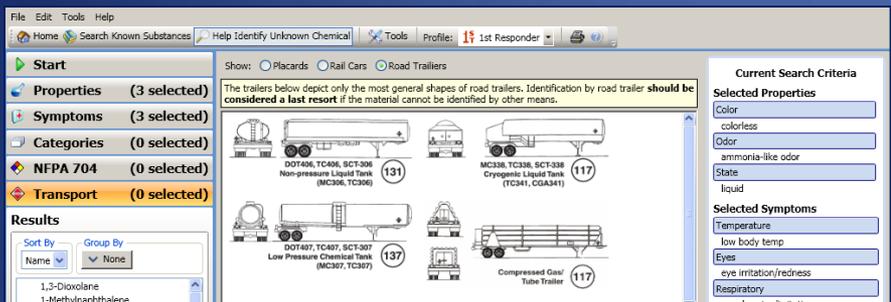


- Properties
- Categories
- Transportation
- NFPA 704 Codes
- Symptoms

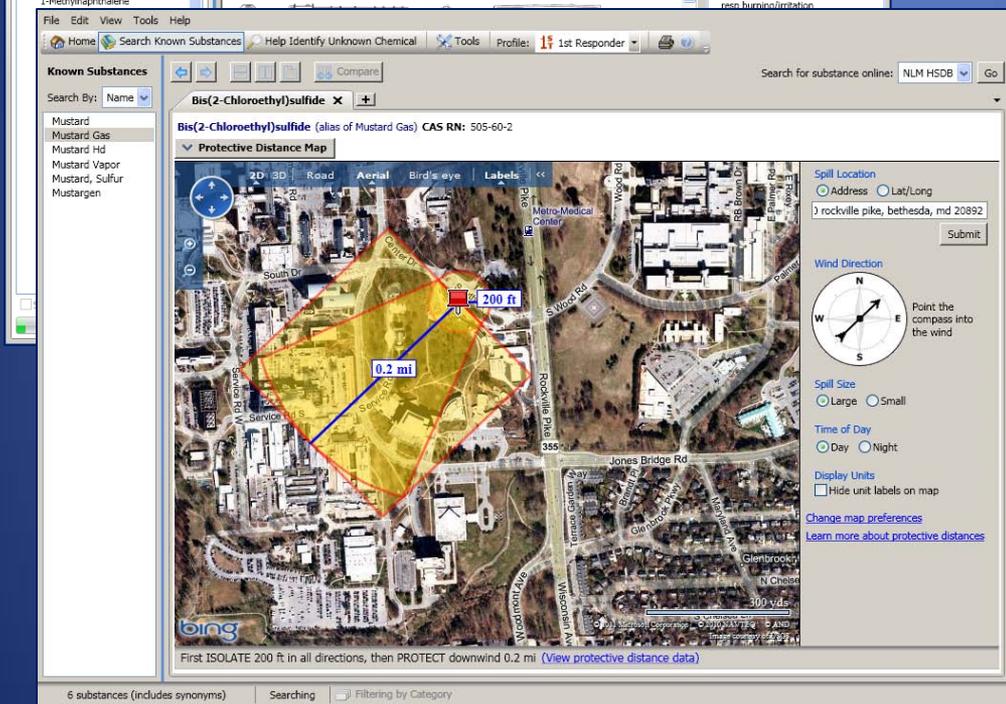
A detailed screenshot of the WISER 'Help Identify' interface. The top navigation bar includes 'WebWISER Home', 'Substance List', 'Help Identify', 'Tools', and 'Help'. The main content area features a 'Symptom Category' dropdown menu set to 'Neurological'. Below this is a list of symptoms with their respective counts: agitation - 6, lowered mental state - 3, unresponsive - 4, drowsiness - 1, fatigue/weakness - 6, dizziness - 6, slurred speech - 1, numbness/tingling - 2, lack of coordination - 3, spasms/seizures - 6, and paralysis - 1. To the right of this list are 'ADD' and 'REMOVE' buttons. On the far right, a 'Selected Symptoms' box contains 'wheezing', 'nausea', and 'headache'. On the left side of the interface, there are filters for 'Properties (2 selected)', 'Symptoms (3 selected)', 'Categories (0 selected)', 'NFPA 704 (0 selected)', and 'Transport (0 selected)', with a 'Results (6 remaining)' indicator and a 'Start Over' button. At the bottom, a 'Results Count' bar shows '6 of 419'. The WISER logo and the National Library of Medicine logo are also visible.



Helpful Features/Capabilities



- Help Identify - now includes identification by transportation type



- WISER for Windows
 - Substance comparison
 - GIS support for protective distance mapping
- Biological agent imagery



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WISER – New Capabilities

WISER Version 4.4 :

- Data updates from the HSDB, CIDRAP, and REMM
- **Chemical Reactivity** - using data from NOAA's Chemical Reactivity Worksheet

The screenshot shows a software window titled "Hydrogen Cyanide" with a close button and a plus sign. Below the title bar, it reads "Hydrogen Cyanide (alias of AC) CAS RN: 74-90-8". A dropdown menu is set to "Chemical Reactivity".

Below the dropdown, a text box says: "To begin using the chemical reactivity worksheet, add chemicals to the mix. The report below will update automatically." To the right of this text are two buttons: "Add Chemicals" with a flask icon and "Add Water" with a water drop icon.

The "Mix" section contains a list of chemicals:

- Hydrogen Cyanide (Highly Flammable, Polymerizable)
- Chlorine (Strong Oxidizing Agent)

The "Hazard Summary" section lists the following hazards with corresponding icons:

- Exothermic** (Sun icon): Exothermic reaction. May generate heat and/or cause pressurization.
- Explosive** (Explosion icon)
- Flammable** (Flame icon)
- Pressurization** (Gauge icon): Combination liberates gaseous products, at least one of which is toxic. May cause pressurization. Exothermic, potentially violent polymerization. May cause pressurization.

The "Gases Produced" section lists:

- Carbon dioxide
- Halogenated Amines
- Nitrogen

WISER Demo



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Currently Popular Platforms – Blackberry & iPhone

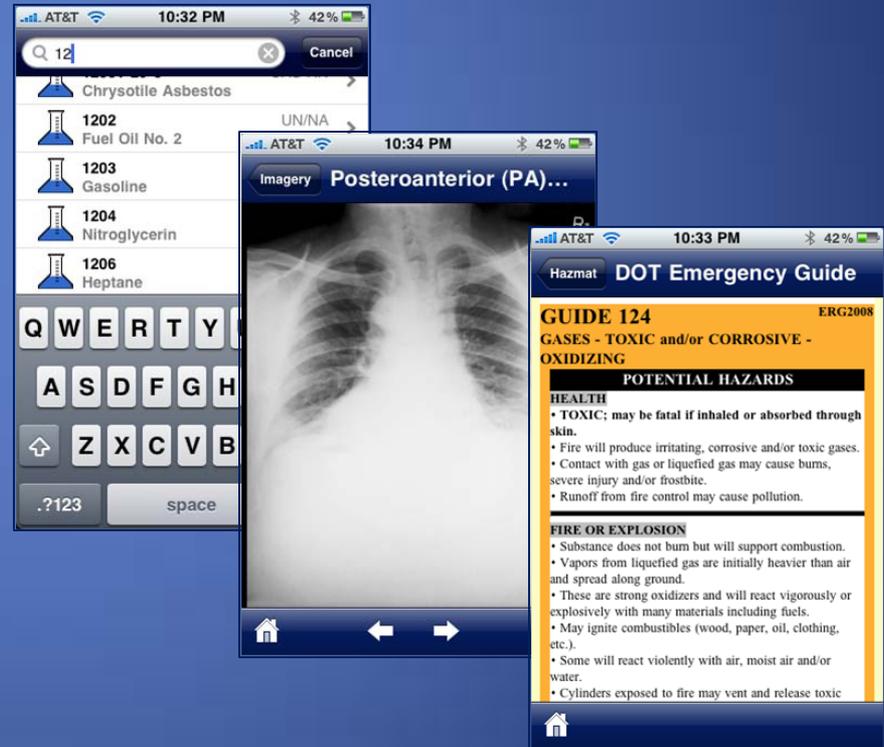
- **WISER for Blackberry® (connected) :**

- Total downloads = ~12,200
- Past week = ~470 (usually ~150-200)



- **WISER for iPhone® (stand alone) :**

- Total downloads = ~25,700
- Past week = ~1,090 (usually ~500-600)



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

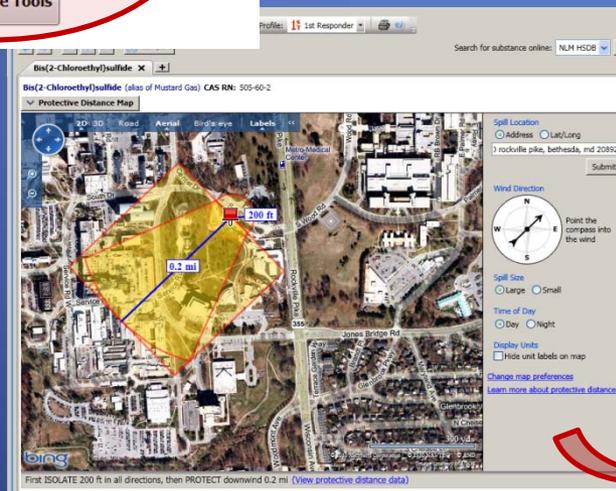
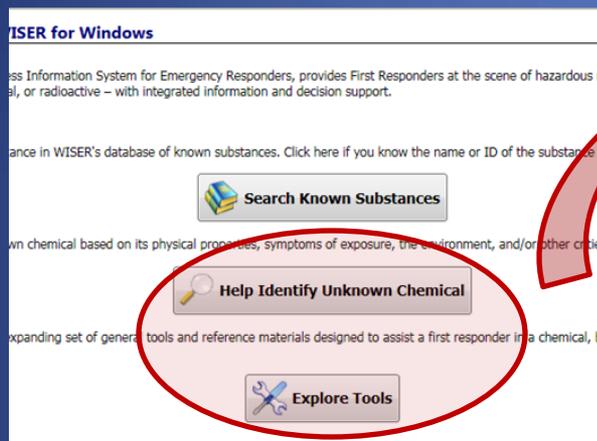
Tools

- **Guidebooks :**
 - ERG
 - WMD Response Guidebook
- **Triage Procedures :**
 - START – Adult Triage Algorithm
 - JumpSTART – Pediatric Triage Algorithm
- **Radiological Tools :**
 - Dose Estimator
 - Radiation Unit Converter
 - Emergency Contacts
 - + more...



Next Steps – Android App + Enhancing iPhone Capabilities

- Help identify and tools for the iPhone®
- Protective distance mapping on the WebWISER and iPhone®



National Library of Medicine

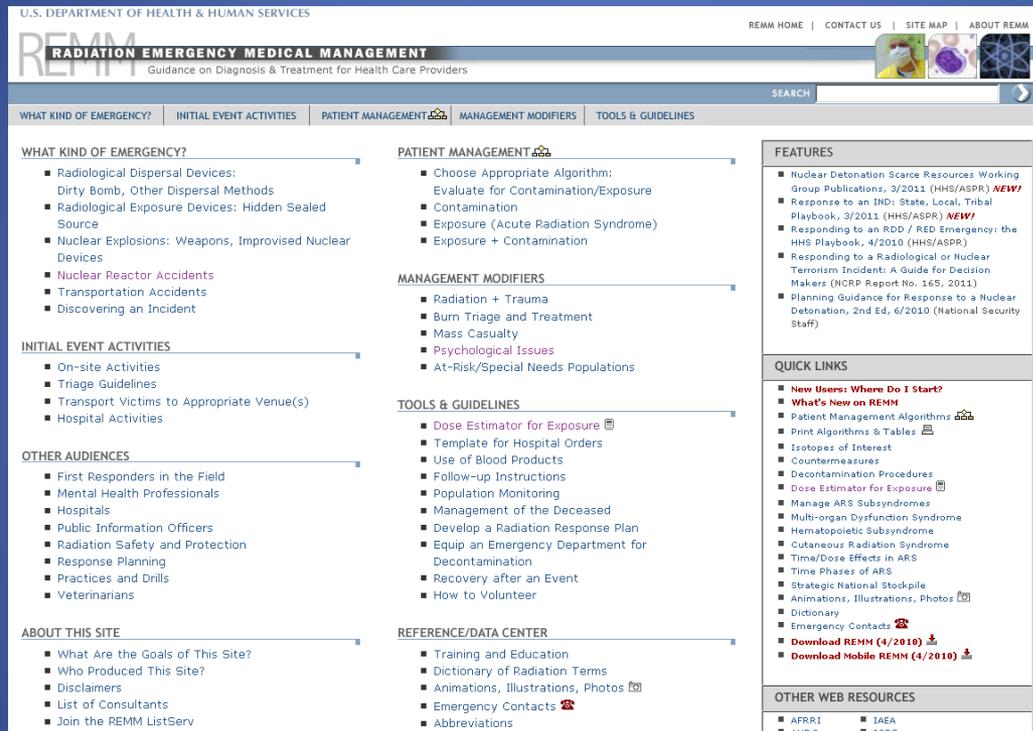
NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WISER Training Materials

- Ready-made material for hazmat training on the use of WISER
- Scenario-based “modules”
 - MS PowerPoint slides (with embedded video & screen shots)
 - Instructor Guides/Scripts
 - Student Handouts
 - Can be changed by trainer to suit specific needs
 - *Scenarios* - overturned tanker, mall bomb, mobile meth lab, and warehouse
- Available on-line at wiser.nlm.nih.gov
 - Single download



Radiation Emergency Medical Management (REMM)



U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES

REMM RADIATION EMERGENCY MEDICAL MANAGEMENT
Guidance on Diagnosis & Treatment for Health Care Providers

REMM HOME | CONTACT US | SITE MAP | ABOUT REMM

SEARCH

WHAT KIND OF EMERGENCY? | INITIAL EVENT ACTIVITIES | PATIENT MANAGEMENT | MANAGEMENT MODIFIERS | TOOLS & GUIDELINES

WHAT KIND OF EMERGENCY?

- Radiological Dispersal Devices:
 - Dirty Bomb, Other Dispersal Methods
- Radiological Exposure Devices: Hidden Sealed Source
- Nuclear Explosions: Weapons, Improvised Nuclear Devices
- Nuclear Reactor Accidents
- Transportation Accidents
- Discovering an Incident

INITIAL EVENT ACTIVITIES

- On-site Activities
- Triage Guidelines
- Transport Victims to Appropriate Venue(s)
- Hospital Activities

OTHER AUDIENCES

- First Responders in the Field
- Mental Health Professionals
- Hospitals
- Public Information Officers
- Radiation Safety and Protection
- Response Planning
- Practices and Drills
- Veterinarians

ABOUT THIS SITE

- What Are the Goals of This Site?
- Who Produced This Site?
- Disclaimers
- List of Consultants
- Join the REMM ListServ

PATIENT MANAGEMENT

- Choose Appropriate Algorithm:
 - Evaluate for Contamination/Exposure
 - Contamination
 - Exposure (Acute Radiation Syndrome)
 - Exposure + Contamination

MANAGEMENT MODIFIERS

- Radiation + Trauma
- Burn Triage and Treatment
- Mass Casualty
- Psychological Issues
- At-Risk/Special Needs Populations

TOOLS & GUIDELINES

- Dose Estimator for Exposure
- Template for Hospital Orders
- Use of Blood Products
- Follow-up Instructions
- Population Monitoring
- Management of the Deceased
- Develop a Radiation Response Plan
- Equip an Emergency Department for Decontamination
- Recovery after an Event
- How to Volunteer

REFERENCE/DATA CENTER

- Training and Education
- Dictionary of Radiation Terms
- Animations, Illustrations, Photos
- Emergency Contacts
- Abbreviations

FEATURES

- Nuclear Detonation Scarce Resources Working Group Publications, 3/2011 (HHS/ASPR) **NEW!**
- Response to an INDI: State, Local, Tribal Playbook, 3/2011 (HHS/ASPR) **NEW!**
- Responding to an RDD / RED Emergency: the HHS Playbook, 4/2010 (HHS/ASPR)
- Responding to a Radiological or Nuclear Terrorism Incident: A Guide for Decision Makers (NCRP Report No. 165, 2011)
- Planning Guidance for Response to a Nuclear Detonation, 2nd Ed, 6/2010 (National Security Staff)

QUICK LINKS

- New Users: Where Do I Start?
- What's New on REMM
- Patient Management Algorithms
- Print Algorithms & Tables
- Isotopes of Interest
- Countermeasures
- Decontamination Procedures
- Dose Estimator for Exposure
- Manage ARS Subsyndromes
- Multi-organ Dysfunction Syndrome
- Hematopoietic Subsyndrome
- Cutaneous Radiation Syndrome
- Time/Dose Effects in ARS
- Time Phases of ARS
- Strategic National Stockpile
- Animations, Illustrations, Photos
- Dictionary
- Emergency Contacts
- Download REMM (4/2018)
- Download Mobile REMM (4/2018)

OTHER WEB RESOURCES

- AFRRI | TAEA
- AHEO | ICRP



<http://www.remm.nlm.gov/>



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Respond to Mass Casualty Radiation Events

- Provide guidance for health care providers about clinical diagnosis and treatment during mass casualty radiological/nuclear events
- Provide evidence-based information that makes complex issues understandable to those *without* formal radiation medicine expertise
- Provide web-based information that is also downloadable in advance and therefore available even if the Internet is not accessible



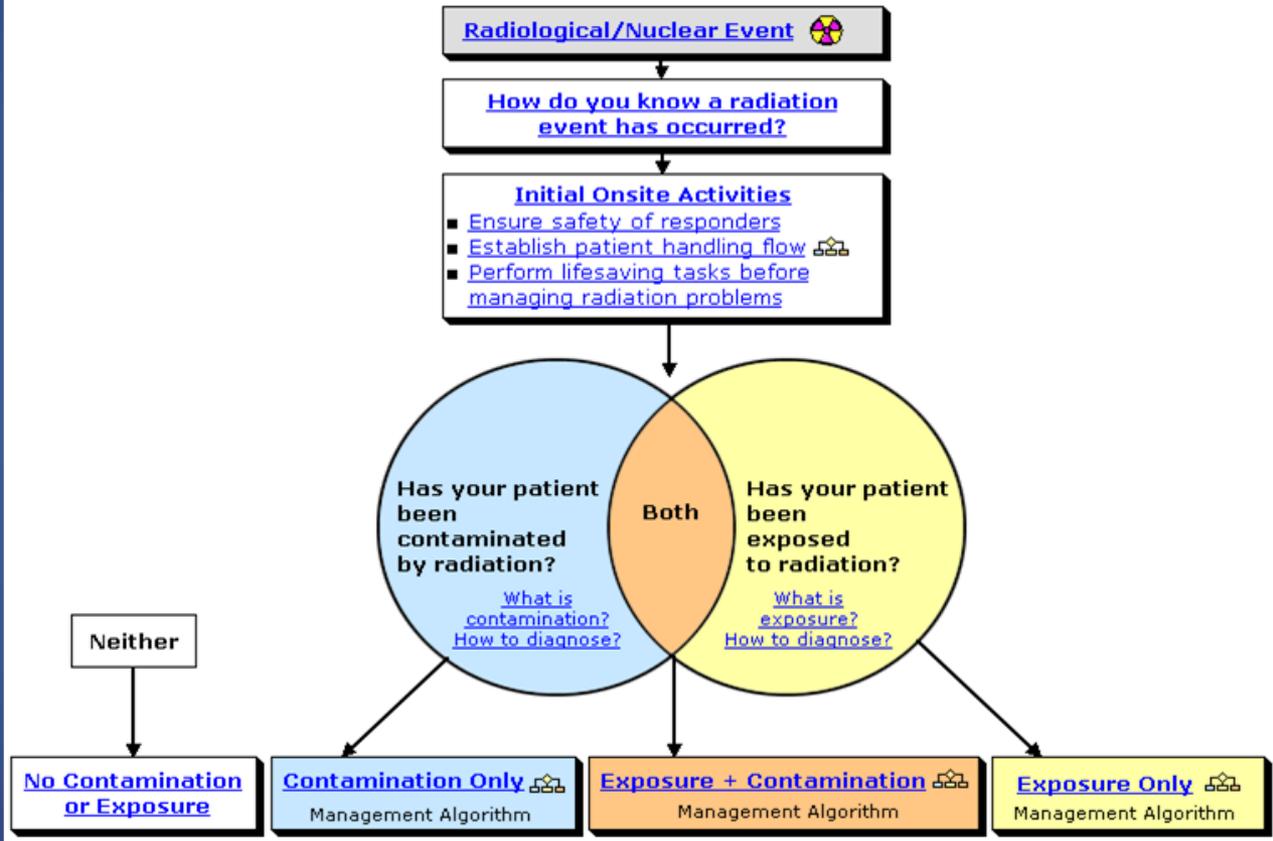
What will you find in REMM?

- Radiation principles (e.g., exposure vs contamination)
- Patient management algorithms
- Initial onsite activities
- Decontamination procedures
- Assess internal contamination
- Countermeasures



Contamination &/or Exposure

Choose Appropriate Algorithm: Evaluate for Contamination and/or Exposure



Dose Estimator for Exposure Tools

Dose Estimator for Exposure: 3 Biodosimetry Tools

[Define biodosimetry](#) | [More about biodosimetry](#) | [What is exposure?](#) | [About this tool](#) | [Credits](#) | [Disclaimer](#)

Time to Onset of Vomiting



[Background](#) | [Illustrations](#) | [References](#)

1. Date/time of exposure

mm/dd/yyyy 00:00

(e.g., 01/22/2008, 14:25)



2. Onset of vomiting

mm/dd/yyyy 00:00

3. from exposure

4. Dose estimate

Gy

[95% confidence limits](#)

Gy

5.

Lymphocyte Depletion Kinetics

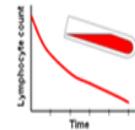


[Background](#) | [Illustrations](#) | [References](#)

1. Date/time of exposure

mm/dd/yyyy 00:00

(e.g., 01/22/2008, 14:25)



2. Date/time of **one or more** blood counts

mm/dd/yyyy 00:00

mm/dd/yyyy 00:00

mm/dd/yyyy 00:00

(e.g., 01/22/2008, 23:00)

lymphocyte count (x 10⁹)

(e.g., 1.25)

3. from exposure

4. Dose estimate

Gy

[95% confidence limits](#)

Gy

5.

Dicentric Chromosome Assay



[Background](#) | [Illustrations](#) | [References](#)

To estimate radiation dose, the Dicentric Chromosome Assay should be performed in a [reference laboratory](#).



How can you access REMM?

- Web – www.remm.nlm.gov
- Downloadable versions for Windows and Mac
- Mobile REMM, with selected key files from the full version of REMM
 - iPhone®/iPod Touch®
 - Blackberry®
 - Windows Mobile®
 - Palm OS®
- Selected content included in WISER



REMM App for iPhone

<http://itunes.apple.com/us/app/id372600451?mt=8>

Mobile REMM – Radiation Emergency Medical Management

By **National Library of Medicine**

[View More By This Developer](#)

Open iTunes to buy and download apps.



[View In iTunes](#)

Free

Category: **Medical**

Released: May 21, 2010

Version: 1.0

1.0

Size: 1.7 MB

Language: English

Seller: National Library of
Medicine

© 2010 National Library of
Medicine

Rated 4+

Requirements: Compatible
with iPhone, iPod touch, and
iPad. Requires iOS 3.0 or later

Customer Ratings

Current Version:

★★★★ 29 Ratings

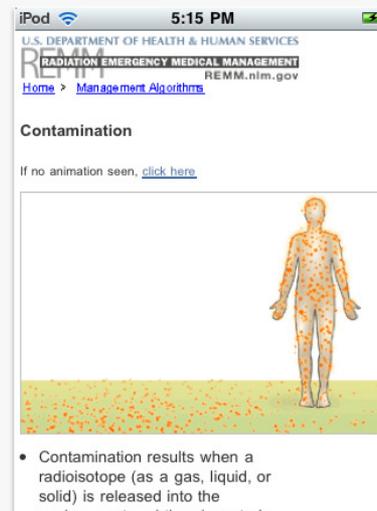
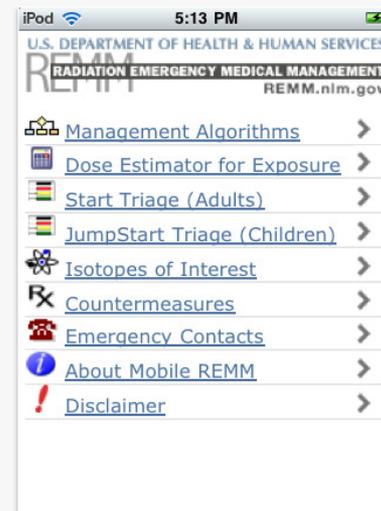
More iPhone Apps by

Description

Radiation Emergency Medical Management (REMM) is produced by
· Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response
· National Library of Medicine

[National Library of Medicine Web Site](#) ▶ [Mobile REMM – Radiation Emergency Medical Management Support](#) ▶ ... More

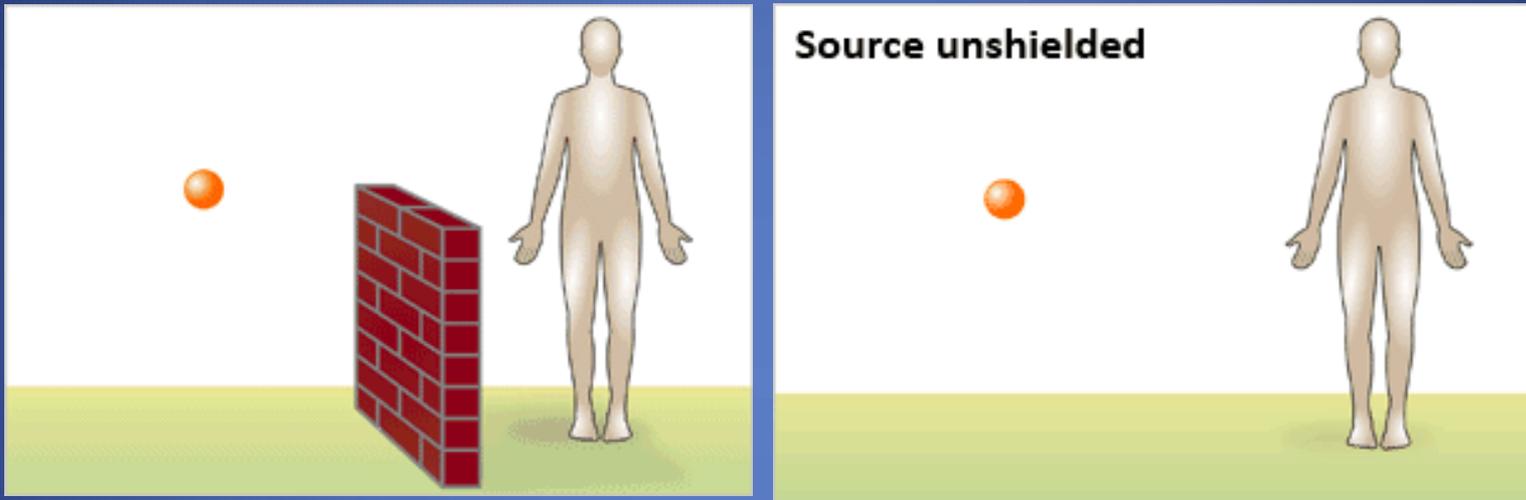
iPhone Screenshots



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Teaching important radiation concepts



Use of animations, illustrations, and photos to teach important radiological and clinical concepts

Coming Soon - REMM New Design

U.S. Department of Health & Human Services www.hhs.gov
www.remm.nlm.gov

REMM
RADIATION EMERGENCY MEDICAL MANAGEMENT
Guidance on Diagnosis & Treatment for Healthcare Providers

REMM Home About Us Site Map Contact Us Search

RESPOND

- Ask These Questions First
- On-site Emergency Response
- Triage and Transport
- Treat
- Ongoing Management

PLAN & PREPARE

- Create Your Planning Document
- Prepare Your Team
- Learn About Radiation

Get the Latest REMM

- Download REMM
- Download Mobile REMM
- Join REMM ListServ
- What's new on REMM?

Featured Guidance

- Nuclear detonation response
- Radiological event response
- Population monitoring

Quick Links

- Clinical algorithms
- Dose estimator
- Isotopes of interest
- Medical countermeasures
- Prototype hospital orders
- Emergency contacts
- Dictionary

Multimedia Library

Event Types Triage & Transport Exposure (ARS) Contamination Radiation Safety Radiation Basics

Contamination vs. Exposure Exposure Contamination RDD: Dirty Bomb RDD: Non-explosive RED: Hidden Source Alpha Radiation

About REMM

- Goals of this site
- Who produced this site?
- Disclaimers
- List of consultants
- Join the REMM ListServ
- Contact us: provide feedback
- System requirements

REMM for You

- First responders in the field
- Radiation safety officers & health physicists
- Mental health providers
- Hospital staff
- Coroners, medical examiners
- Public information officers
- Response planners
- Volunteers
- Veterinarians

Other Web Resources

- AFRRI
- AHRQ
- CDC
- CRCPD
- DHS
- DOE
- EPA
- FDA
- HHS
- HPS
- IAEA
- ICRP
- NCRP
- NRC
- OSHA
- REAC/TS
- REFP
- RITN
- UNSC/EAR
- WHO



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

REMM New Design continued...

U.S. Department of Health & Human Services www.hhs.gov
www.remm.nlm.gov

REMM RADIATION EMERGENCY MEDICAL MANAGEMENT

Guidance on Diagnosis & Treatment for Healthcare Providers

REMM Home | About Us | Site Map | Contact Us

RESPOND

- Ask These Questions First
- On-site Emergency Response
- Triage and Transport
- Treat
- Ongoing Management

PLAN & PREPARE

- Create Your Planning Document
- Prepare Your Team
- Learn About Radiation

What Kind of Radiation Emergency?

- Has a radiation incident occurred?
- Is it a nuclear or radiological incident?

What Type of Incident?

- Nuclear detonation or improvised nuclear device (IND)
- Radiological dispersal device (RDD): explosive
- Radiological dispersal device (RDD): non-explosive
- Radiological exposure device (RED)
- Nuclear reactor incident
- Transportation incident

How Could This Radiation Incident Affect Patients?

- Is it exposure or contamination or both?

Get the Latest REMM

- Download REMM
- Download Mobile REMM
- Join REMM ListServ
- What's new on REMM?

Featured Guidance

- Nuclear detonation response
- Radiological event response
- Population monitoring

Quick Links

- Clinical algorithms
- Dose estimator
- Isotopes of interest
- Medical countermeasures
- Prototype hospital orders
- Emergency contacts
- Dictionary

Multimedia Library

Event Types | Triage & Transport | Exposure (ARS) | Contamination | Radiation Safety | Radiation Basics

- Contamination vs. Exposure
- Exposure
- Contamination
- RDD: Dirty Bomb
- RDD: Non-explosive
- RED: Hidden Source
- Alpha Radiation

About REMM

- Goals of this site
- Who produced this site?
- Disclaimers
- List of consultants
- Join the REMM ListServ
- Contact us: provide feedback
- System requirements

REMM for You

- First responders in the field
- Radiation safety officers & health physicists
- Mental health providers
- Hospital staff
- Coroners, medical examiners
- Public information officers
- Response planners
- Volunteers
- Veterinarians

Other Web Resources

- AFRRI
- AHRQ
- CDC
- CRCPD
- DHS
- DOE
- EPA
- FDA
- HHS
- HPS
- IAEA
- ICRP
- NCRP
- NRC
- OSHA
- REAC/TS
- RERF
- RITN
- UNSCEAR
- WHO



Chemical Hazards Emergency Medical Management (CHEMM)



U.S. Department of Health & Human Services

CHEMM

CHEMICAL HAZARDS EMERGENCY MEDICAL MANAGEMENT

CHEMM Home | About CHEMM | Site Map | Contact Us

SEARCH:

First Responder | Hospital Provider | Incident Preparedness

- Quick Chemical Identification
- Acute Patient Care Guidelines
- Types of Emergencies
- Initial Event Activities
- Patient Management
- Medical Treatment Modifiers
- Tools, Guidelines, and Planning
- References/Data Center



Responding to a chemical emergency

Get the Latest CHEMM

- Download CHEMM
- Join CHEMM ListServ

Quick Links

- CHEMM Intelligent Syndromes Tool: CHEMM-IST
- Acute Patient Care Guidelines
- Types and Categories of Hazardous Chemicals
- Emergency Contacts
- Dictionary

Other Resources

- CDC
- FDA
- CHEMTREC
- FEMA
- DHS
- HHS
- DOD
- NOAA
- EPA
- NRC
- FBI
- AAPCC

About CHEMM

- Goals of this site
- Who produced this site?
- Disclaimers
- List of consultants
- Join the CHEMM ListServ
- Contact us: provide feedback
- System requirements

CHEMM for You

- First responders in the field
- Healthcare providers at the hospitals/poison centers
- Mental health professionals
- Public information officers
- Industrial hygienists/toxicologists
- Response planners
- Trainers
- The public

Copyright, Privacy, Accessibility, Disclaimers
U.S. Department of Health & Human Services,
Office of the Assistant Secretary for Preparedness and Response, National Library of Medicine

Last updated: 13 March 2011
First published: 15 September 2010

<http://chemm.nlm.nih.gov/>

Site currently in 1st round of testing & under password protection



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

CHEMM – Overarching Goals

- To provide a comprehensive, user-friendly resource that will enable first responders, first receivers, other healthcare providers, and planners to plan for, respond to, recover from, and mitigate the effects of a mass-casualty incident involving chemicals.
- This resource will be available on the Internet and also for download so that it can be used in an emergency even without an Internet connection.
- Scope – to be used for :-
 - Training
 - Planning
 - Response at time of an emergency



CHEMM - Audiences

- Responders
 - Pre-hospital
 - Hospital-based
 - Emergency Department
 - Critical Care
- Healthcare providers: follow-up/recovery
- Planners
- Trainers



Components Within CHEMM

- Content review and resource building
- Pediatric/specific population medical management guidelines
- Mental Modeling/Expert Modeling – working out what each user group needs to know & the format that is most intuitive (smart user interface).
- Toxic syndromes tool (CHEMM-IST) – identification & treatment in hazardous incidents via chemical groups/syndromes, rather than specific chemicals.



CHEMM-IST

The CHEMM Intelligent Syndromes Tool

U.S. Department of Health & Human Services

CHEMM

CHEMICAL HAZARDS EMERGENCY MEDICAL MANAGEMENT

CHEMM Home | About CHEMM | Site Map | Contact Us

SEARCH:

You are here: [Home](#) > CHEMM Intelligent Syndrome Tool (CHEMM-IST)

CHEMM Intelligent Syndrome Tool (CHEMM-IST)

Question

 **Eye Irritation?**
A patient with eye irritation will exhibit tearing, pain or burning.

Syndrome Prediction

Knockdown Syndrome —
0 1.0 10

Pesticide Syndrome —
0 9.0 10

Solvent Syndrome —
0 1.0 10

Irritant Gas Syndrome —
0 1.0 10

Uncertain More Probable Most Probable

Progress

[State of Alertness?](#) Altered
[Syncope?](#) No
[Pinpoint Pupil?](#) Yes
[Seizure?](#) No
[Cardiac Signs?](#) No
[Burning Throat/Nose?](#) No
[Wheezing?](#) No
[Shortness of Breath?](#) No
[Wet lungs/Rales?](#) No
[Sweaty?](#) No
[Burning Chest Pain?](#) No
[Irritated or Burning Skin?](#) No

Assumptions

- The scene is suspicious for a chemical exposure.
- This is an inhalation exposure that does not result in condensation on the skin.
- The focus is on the severe cases.
- The tool is for BLS provider to use in a mass casualty incident.
- It can also be used by ALS first responders and hospital first receivers.

THE END



National Library of Medicine

NATIONAL INSTITUTES OF HEALTH ♦ U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES