LEADing the Way in Disaster Health Information

Siobhan Champ-Blackwell
Disaster Information Management Research Center
Specialized Information Services
U.S. National Library of Medicine
Objectives

• You will identify groups to work with on the topic of disaster health
• You will identify resources to share with potential user groups
Agenda

• Who are you?
• Case Studies
• Resources
• Next Steps
The Stafford Act

• Libraries are “essential community services” eligible for federal assistance “for the provision of temporary facilities”

• “Eligible public facilities include police, fire protection/emergency services, medical care, education, libraries, utilities and other essential community services.

Robert T. Stafford Disaster Relief and Emergency Assistance Act (Public Law 93-288 as amended), http://fema.gov/about/stafact.shtm

WHO ARE YOU?
CASE STUDIES
Find Case Studies

• DIS Bibliography Page

• NLM Funded Projects

• NN/LM SCR Funded Projects
  – http://nnlm.gov/scr/funding/
Disaster Information Management Research Center (DIMRC)

**Mission**
To develop and provide access to health information resources and technology for disaster preparedness, response, and recovery

Connect people to quality disaster health information and foster a culture of community resiliency

St. John’s Hospital, Joplin, MO after 2011 tornado
National Network of Libraries of Medicine – South Central Region

- [http://nnlm.gov/scr](http://nnlm.gov/scr)
- Supporting collaboration among libraries and information centers that serve health information needs.
RESOURCES

- Literature
- Online Information
- Tools
- Communication
RESOURCES: LITERATURE
Disaster Health Literature

- Peer-reviewed scholarly literature
- Journal articles
- Books

- “Grey” Literature
  - Reports
  - Summaries
  - Surveillance data
  - Training materials
  - Conference proceedings
Grey Literature

“That which is produced on all levels of government, academics, business, and industry in print and electronic formats, but which is not controlled by commercial publishers.”

Disaster Lit – The Resource Guide for Disaster Medicine and Public Health

• Grey Literature
  – Training
  – Guidelines
  – Planning docs
  – reports

• Enter search term or phrase
Peer Reviewed Literature

• PubMed
  – http://pubmed.gov

• PubMedCentral
Free Biomedical Literature Resources

Free Articles via PubMed

Search citations to biomedical and life sciences articles dating from the 1950s to the present at http://pubmed.gov.

- Free full-text articles are available for selected PubMed citations. See a description of PubMed icons that indicate free text is available.
- See these instructions to restrict your PubMed search results to free articles.
- To search for free articles in PubMed by journal title, see this list of journals that provide some freely available full text via PubMed. Click on the links for a journal by year to search PubMed for free full text articles for the year and journal selected. For more information about the LinkOut program, see: http://www.ncbi.nlm.nih.gov/entrez/linkout/doc/linkout.html

PubMed Central (PMC)

PubMed Central is a growing digital archive of free biomedical and life sciences journal literature developed by NLM. To access free full-text articles, go to http://pubmedcentral.gov.

NCBI Bookshelf

The Bookshelf is a growing collection of biomedical books that can be searched and read online.

Other Resources

- Open access journals are available from the following sources:
  - Public Library of Science
  - BioMed Central
  - Directory of Open Access Journals (See “Health Sciences”)

See more information on Open Access.

- Highwire Press has an archive of free full-text science articles.
- Your local medical library can also provide assistance with identifying and locating useful information free of charge.

locline/freehealthlit.html
Evidence Aid

- Bundles summaries of findings of systematic reviews for urgent responses
- Develops collections of resources for planning and alleviating impact of disasters

http://www.evidenceaid.org
Emergency Access Initiative

• Sample Journal Titles
  American journal of infection control
  Burns
  Depression and anxiety
  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

NLM DIMRC

  - Focus in on the Responders and Providers
    - Event/Incident Type Topic Pages
    - Disaster Related Topic Pages
    - Specific/named events
    - Consumer Health Resources
  - You are the link!! Share these pages with your community.
Event Type Topic Pages

- Bioterrorism
- Chemical Warfare
- Crude Oil Spills and Health
- Earthquakes
- Extreme Heat
- Fires and Wildfires
- Floods
- Hurricanes
- Infectious Diseases: Pandemic, Epidemic and Disaster-Related Outbreaks
- Climate Change
- Tornadoes
- Droughts
Disaster-Related Topics

• Disaster Apps
• Ethics in Disaster Medicine and Public Health
• Mass Gatherings
• Disaster-Related Competencies for Healthcare Providers
• Animals in Disasters
Incident Specific

• Hurricane Sandy
• Oil Spill
• Haiti Earthquake
• Philippines Typhoon
• What’s next?!
MedlinePlus

- Consumer-oriented materials
- Carefully selected links
- 17 topic pages
Other Resources

• Centers for Disease Control and Prevention

• US Health and Human Services Office of the Assistant Secretary for Preparedness and Response
RESOURCES: TOOLS
Hazmat Tools

• Wireless Information System for Emergency Responders (WISER)

• Chemical Hazards Emergency Medical Management (CHEMM)

• Radiation Emergency Medical Management (REMM)
WISER
Wireless Information System for Emergency Responders

Information Sources Used in WISER

WMD Response Guidebook

Hazardous Substances Data Bank (HSDB)

TRUVENT HEALTH ANALYTICS

CHEMM
WISER Platforms

Windows

WebWISER

iPhone®

Android

BlackBerry®
Unique Features

Help Identify – for Unknown Chemicals

Protective Distance Mapping
REMM
Radiation Emergency Medical Management

http://www.remm.nlm.gov/
Mass Casualty Radiation Events

• Guidance for health care providers about clinical diagnosis and treatment during mass casualty radiological/nuclear events

• Evidence-based information that makes complex issues understandable to those *without* formal radiation medicine expertise

• 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
Lessons on Radiation Concepts

Factors that decrease radiation from exposure

- Decreased time near source
- Increased distance from source
- Increased shielding between source and victim
REMM App

Home Screen  Main Menu  Management Algorithms  Contamination Algorithm  Dose Estimator – Onset of Vomiting
Disaster Apps: Digital Go-Bag

- Internet can be unreliable in emergencies
- Information portability
- Space saver; nearly unlimited capacity
- Information literally at your fingertips
Disaster Apps and Mobile Optimized Web Pages

Page adjusts for web, tablet or smartphone
App/Web Page Selection Criteria

- Authoritative and credible source
- Provides useful, current content
- No point of view
- Ease of use
- Free (with some exceptions)
Types of Apps

• What’s the difference?
  • Stand-alone/Native
  • Mobile-optimized Website
  • Hybrid
RESOURCES: COMMUNICATION
Social Media

• Give and Get
  – Communication
  – Situational awareness

Information is a Two-Way Street
Twitter

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**NLM Disaster Info**
@NLM_DIMRC

First responders and receivers - new to CHEMM? Learn how to use this tool at [go.usa.gov/frX](http://go.usa.gov/frX)

2/22/13 11:02 AM

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**NCDMMPH**
@NCDMPH

Report on power and communication problems in the aftermath of the June 2012 Derecho [fcc.us/13vCE7h](http://fcc.us/13vCE7h)

2/25/13 8:31 AM

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**Eric_Holdeman**

Near Earth Objects Finally Land on Public's Radar: #smem #hsem #nema #fema #dhhs #FEMA neo Inked.in/3WYw5C

13 mins ago

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**DisasterPIO**

Transportation Secretary Warns of Long Flight Delays Due to FAA Sequester [dlvr.it/30VW]n #hsem

24 mins ago

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**CACPGT**

Social Media Survey for Emergency Managers [emergencyycmt.com/emergency-blog... #socmed #sm4em #smem #smemchat #hsem]

1 hour ago

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**ShannonBuckland**

Emergency-Management-Degree.org: A New Web Guide for the Emergency Management Field [miscinfo/138xKg]

6 hours ago
Facebook and Skype
NEXT STEPS
NLM Disaster Information Specialist Program

*Support for librarians providing disaster information outreach to their communities.*

- Identify roles for librarians in all phases of disaster work: preparedness, mitigation, response and recovery.

- Encourage librarians to participate by building a community of practice and a culture of preparedness.
Disaster Health Information Outreach and Collaboration Projects

• Collaborations between disaster/emergency organizations and libraries for improving access to disaster medicine and public health information for the disaster health workforce

• One year: $15,000 – $30,000

• 17 projects funded over past three years
Connecting with Information Specialists

- DISASTR-OUTREACH-LIB listserv; 1000+ subscribers
- Monthly webinars that are open to all
- Training classes
- Funding opportunities
- @NLM_DIMRC
Thank you!!!

Siobhan Champ-Blackwell
siobhan.champ-blackwell@nih.gov