Locating Reliable Disaster Health Resources on the Internet

June 25, 2013 ~ 2–3:30 pm
Lewis J. Ort Library
Frostburg State University

Instructor: Mary Spalding, MA, MLIS
Medical Librarian, Western Maryland Area Health Education Center (AHEC)

This program is sponsored in whole or in part by the National Library of Medicine.
Objectives

Upon completion of this 1.5–hour course, participants should be able to:

- Identify reliable regional and national disaster information relating to library preparedness.
- Identify reliable regional and national disaster health resources for library patrons, including students, faculty, and community members.
- Evaluate online resources for reliability and trustworthiness.
Mary Spalding, MA, MLIS
Western Maryland AHEC Program
Coordinator and Medical Librarian

- Master’s Degree in Library and Information Science from University of South Carolina; Master’s Degree in English from West Virginia University with additional PhD course work;
- Medical Librarian for WMAHEC since 1999 (full-time or on contract);
- Serve as medical library consultant for Western Maryland Health System and Somerset Hospital;
- Writer/co-writer/coordinator for numerous federal grants and contracts involving health care and library services, including the National Library of Medicine, National Network of Libraries of Medicine, U.S. Health Resources and Services Administration, and the Appalachian Regional Commission. Wrote and served as project investigator of a 1999 National Leadership Grant from the U.S. Institute of Museum & Library Services (IMLS) that provided training in emerging library technologies for rural librarians in three states.
"Safe Seniors: Appalachian Disaster and Emergency Health Information Outreach"

Western Maryland Area Health Education Center Learning Resource Center in partnership with:

- Allegany College of Maryland Health Continuing Education Department
- Allegany County Health Department
- Emergency Preparedness Caucus, WMAHEC
- Frostburg State University Pre-Medical Society (and now FSU Lewis J. Ort Library as well!)
- Garrett County Health Department
- Meritus Health Medical Library and Education Department
- Social Work Caucus - Allegany/Garrett Counties, WMAHEC
- Social Work Caucus - Washington County, WMAHEC
- Washington County Health Department
- Western Maryland Health System Parish Nurse and Health Minister Program

The goal of Safe Seniors: Appalachian Disaster and Emergency Health Information Outreach is to improve disaster medicine and public health information access for health professionals, first responders and others (paid or volunteer) who play a role in health-related disaster preparedness, response, and recovery in three rural Appalachian counties in Maryland, with a focus on the elderly population.
Please!

- Be sure to complete the WMAHEC Participant Information Form and course pre-test and turn it in to the instructor at the beginning of class.
- Sign in on the sign-in sheet.
- Complete a course evaluation and post-test found in your packet and turn it in before the instructor leaves.

THANK YOU! These materials help WMAHEC plan better programs!
How will I ever find evidence-based resources for my class presentation?

Just Google it, Stupid!

(Does not work at Lewis J. Ort Library)
Where did you get the data for this report, Milquetoast?

Wh-wh-why, Professor? Isn’t the Keystone Cops Hospital Evacuation Plan a reliable source?
The National Library of Medicine has

- located those resources,
- evaluated them for quality and reliability, and
- organized those selected for easy retrieval by health professionals and students, public health officials, first responders, and others with a role in disaster preparation and management.

The core purpose of the Disaster Information Management Research Center (DIMRC) is to develop and provide access to health information resources and technology for disaster preparedness, response, and recovery. Our intent is to connect people to quality disaster health information and foster a culture of community resiliency.
At NLM DIMRC, find best/promising practices and evidence-based literature from national and local organizations, even ...
Selection Guidelines for Non-National Library of Medicine Resources


Selection Guidelines

- U.S. Government and non–U.S. Government sites meeting evaluation criteria, including:
  - Clearly stated relevant purpose;
  - Authority, Credibility, and Affiliation
  - Content, Coverage, and Currency
  - Point of View
  - Access, Navigation, and Availability
  - Language

Accessibility for persons with disabilities (visual or other) is a core consideration in creation of NLM sites and selected links.
Search PubMed for Peer-Reviewed Disaster Health Literature—Mostly citations, but some full text available; others may be available in FSU databases, on shelves, or through interlibrary loan.

Resource Guide—Search public health, disaster medicine, and related information available on the Web.

Disaster Types and Topics—Directory with links to Web resources evaluated by medical librarians for quality and reliability.
• Bioterrorism
Resources about biological warfare agents, bioterrorism, and tools to help identify and treat exposure to biological agents.

• Chemical Emergencies
Information about chemical emergencies, both accidental and intentional, including tools to help first responders identify, contain and treat hazardous substances.
  • Chemical Warfare
  • Crude Oil Spills and Health
  • TVA Kingston Fossil Plan Coal Ash Spill
  • CHEMM - Chemical Hazards Emergency Medical Management
  • WISER - Wireless Information System for Emergency Responders
  • TOXNET
  • Tox Town

• Fires and Wildfires
Resources about health issues related to fires and wildfires including injuries, carbon monoxide poisoning, and coping with stress.

• Geological Hazards
Resources about geological hazards including health-related information about earthquakes, volcanoes, tsunamis, landslides and mudslides.
  • Earthquakes
  • Japan Earthquake, Tsunami, and Radiation Event - March 2011
  • Haiti Earthquake
  • Chile Earthquake

• Pandemic Disease Outbreaks
Information about H1N1 and other pandemics.

• Radiation Emergencies
Resources and tools about responding to radiation emergencies.
  • REMM - Radiation and Emergency Medical Management
  • Japan Earthquake, Tsunami, and Radiation Event - March 2011

• Weather and Storms
Information about hurricanes, tornadoes, floods, extreme cold and other weather-related hazards.
  • Climate Change and Health
  • Droughts and Health
  • Extreme Heat
  • Floods
  • Hurricanes
  • Hurricanes Katrina, Rita, Wilma: Impact on Environmental Health
Disaster-Related Topics

- Animals in Disasters
- Disaster Apps and Mobile Optimized Web Pages
- Community Preparedness
- Coping with Disasters, Violence, and Traumatic Stress
- Disaster Recovery
- Ethics in Disaster Medicine and Public Health
- Personal Preparedness
- Mass Gatherings
- Special Populations
- Disaster-Related Competencies for Healthcare Providers
- Sources of Emergency and Disaster Information from the U.S. Government
Each Disaster topic ends with links to PubMed/MEDLINE (peer-reviewed, professional medical and health literature) citations on that topic with the search already done for you!
Resources About Coping with Disasters, Violence, and Traumatic Events
Free Disaster and Emergency Response Tools from the National Library of Medicine

**Wireless Information System for Emergency Responders (WISER)** - A system to help emergency responders identify hazardous materials and respond to chemical emergencies. Contains information on over 400 chemicals and radiologic agents.

**Radiation Emergency Medical Management (REMM)** - Guidance on the clinical diagnosis and treatment of mass casualty radiological/nuclear events for health care providers.

**Chemical Hazards Emergency Medical Management (CHEMM)** - Guidance on planning, response and recovery related to chemical mass casualty incidents.

Features

- Key Information for Emergency Responders on almost 450 hazardous substances
  - Chemicals
  - Radiological Isotopes
  - Biologicals
- Tool to Identify Unknown Chemicals
- Supplemental Materials
  - Triage Tools
  - Radiation Event Response Guides and Tools
  - Comprehensive electronic version of Emergency Response Guidebook
  - WMD Response Guidebook
- Available for Palm OS, Windows Mobile, Windows PCs
- Available online: WebWISER
Basic Searching of the Hazardous Substances Data Bank (HSDB)

Multiple Disciplines

- Development of National Standardized All-Hazards Disaster Core Competencies for Acute Care Physicians, Nurses, and EMS Professionals

- Consensus-based Educational Framework and Competency Set for the Discipline of Disaster (PDF, 406.9 KB)

- Disaster Medicine and Public Health Preparedness: A Discipline for All Health Professions (PDF, 120.8 KB)

- Core Competencies for Disaster Medicine and Public Health

- Emergency Preparedness and Response Among Hospital Workers (PDF, 359 KB)
  Center for Public Health Preparedness, Mailman School of Public Health

- On Academics: Training for Disaster Personnel: The Development of Proposed Core Competencies in Disaster Mental Health Training

- Developing Core Competencies, Content, and Competencies for the Training of Emergency Medical Technicians, Emergency Physicians, and Emergency Nurses to Care for Casualties Resulting From Nuclear, Biological, or Chemical (NBC) Incidents: Final Report
  Office of Emergency Preparedness and American College of Emergency Physicians

- Recommended Hospital Staff Core Competencies for Disaster Preparedness (PDF, 359 KB)
  Florida State Working Group / Florida Hospital Association

- Healthcare Worker Competencies for Disaster Training

- Development of an "All-Hazards" Hospital Disaster Preparedness Training Course Using Multi-Modality Teaching
  (PDF, 357 KB)
  See “Table 1 -- Seven Core Competencies for Healthcare Workers in the Area of Disaster Training.”
Nurses

- The Role of Public Health Nurses in Emergency Preparedness and Response: Position Paper (PDF, 244.6 KB) 
  Association of State and Territorial Directors of Nursing

- Educational Competencies for Registered Nurses Responding to Mass Casualty Incidents 
  Nursing Emergency Preparedness Education Coalition

- Develop Nursing Students’ Disaster Competency by Working with the American Red Cross (PDF, 116.4 KB) 
  American Red Cross

- Disaster Preparedness White Paper for Community/Public Health Nursing Educators (PDF, 40.2 KB) 
  Association of Community Health Nursing Educators

- Public Health Nursing Competencies for Public Health Surge Events 

- Core Competencies Required for Disaster Nursing 
  University of Hyogo Graduate School of Nursing

- Emergency and Disaster Preparedness: Core Competencies for Nurses 

- ICN Framework of Disaster Nursing Competencies (PDF, 2.1 MB) 
  International Council of Nurses

- Education Committee of the Association of Community Health Nursing Educators 

- Emergency Preparedness and Disaster Response Core Competency Set for Perinatal and Neonatal Nurses 

Pharmacists

- Pharmacist Readiness Training Program: Pharmacist Readiness Roles and Competencies (PDF, 120.9 KB) 
  U.S. Public Health Service

- Pharmacist Readiness Roles for Emergency Preparedness 
Searchable Resource Guide (Found on Home Page)—This search returned resources for rural preparedness.
Competencies and Online Courses, mostly for health professionals but also other disaster responders.
http://emilms.fema.gov/IS100HE/ICS0101000.htm
And specifically for libraries . . .

Photo by Nancy Frost
http://www.flickr.com/photos/javcon117/3990851249/
Disaster Information Specialist
The Disaster Information Specialist Program is 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.
Monthly Meetings/Conference Calls. A conference call for those interested in the Disaster Information Specialist Program is held on the second Thursday of each month at 1:30 ET. The Disaster Information Specialist Program monthly conference calls are open to all and can be attended in person, online through Adobe Connect, or by telephone. To receive announcements about the meetings, including connection information, please join our listserv. (Also see below)

DISASTR-OUTREACH-LIB Listserv. This email discussion forum is for librarians, information specialists, and other professionals interested in disaster health information outreach to their communities. As a participant in this listserv, you can stay informed about current disaster-related resources, connect to colleagues in the field, engage in information exchange and learn about new ideas, trends, training opportunities, and conferences in the area of disaster health information.

Disaster Information Specialization Program

- **Medical Library Association Disaster Information Specialization Program.** The Disaster Information Management Research Center has contracted with the [Medical Library Association](http://disaster.nlm.nih.gov/dimrc/disasterinfospecialist.html) (MLA) to develop a series of continuing education courses on disaster information topics in support of a disaster information specialization for librarians and other interested professionals. The specialization will consist of two levels: basic and advanced.

- **Disaster Information Curriculum**. The goal of the Disaster Information Curriculum is to develop the capacity of librarians and other interested professionals to support their institutions and communities throughout the disaster/emergency cycle of mitigation, preparedness, response, and recovery. The emphasis is on health information as a first priority for course content with other facets of disaster information as a second priority.

* More on this soon!
Resources for Libraries

- **Disaster Information Training Courses & Resources.** Courses and training materials related to disaster information, including courses that meet the requirements for the Medical Library Association Disaster Information Specialization.

- **Librarians and Disasters.** Resources for and about librarians involved in providing disaster–related information, including a bibliography of literature and other resources on the role of librarians and other information professionals in disaster preparedness, response and recovery.

Disaster Information Curriculum

Curriculum Implementation. This model curriculum proposes continuing education (classroom or online) course topics and educational activities that introduce disaster health information, its uses, and the potential roles for those interested in participating in disaster health information–related activities. Professional associations and other organizations that award continuing education credit may use the model curriculum as the basis for evaluating or offering single courses or outlining a course of study acknowledged by a certificate. The model curriculum proposes continuing education certificates (i.e. documentation of hours of participation) at a Basic and an Advanced level, with a requirement of 15 course contact hours at the Basic level and 12 contact hours of courses and/or activities at the Advanced level. The curriculum is intended to encourage students to pursue a combination of continuing education instruction along with participation in activities that provide exposure to disaster management practices.

The model curriculum describes:

- **Individual courses and activities.** Students may take any courses of interest to them and choose whether or not to receive continuing education credit from an association or organization that documents continuing education efforts. Most courses may be taken in any order; some may specify prerequisites.

- **Certificate program.** Students may take courses and participate in activities with the goal of following the model curriculum requirements as outlined for Basic level and/or Advanced level. Students may choose to document their activities and seek acknowledgement of their efforts from an association or organization that documents their completion of the program.

Disaster Information Specialization Program

The Medical Library Association (MLA) Disaster Information Program developed by MLA and the National Library Medicine (NLM) is a continuing education program that provides participants the opportunity to expand their roles by offering training in providing access to information for disaster and emergency preparedness, response and recovery. The Program offers an approved curriculum of courses and other educational activities that allow participants to acquire the knowledge and skills necessary to support their institutions and communities in times of disaster or public health emergencies.

Upon completion, participants receive a document as informal acknowledgment of their educational effort. MLA suggests that this achievement be added to resumes and vita as an educational and professional accomplishment. MLA contact hours earned through the Disaster Information Specialization Program may also be used for MLA’s Academy of Health Information Professionals.

What's New

- The Medical Library Association (MLA) and the National Library Medicine (NLM) are currently developing the Disaster Information Specialization (DIS) program. Details for upcoming courses are listed below:
  - **Health and Disasters: Understanding the International Context** (Register now for on-demand course.)
  - **A Seat at the Table: A Step-by-Step Approach to Working with Local Responders** (Register now for on-demand course.)
  - **Ethical and Legal Aspects of Disaster Response** (Register now for on-demand course.)

**eLearning Opportunities**

- **US Response to Disasters and Public Health Emergencies**
- **Information Roles in Disaster Management**
- **Disaster Health Information**
Courses on Disaster Health Topics for the DIS* Advanced Level

- Appendix A: Courses on Disaster Health Topics
  For the Advanced level, students may submit the actual number of hours (up to a maximum of 12) for taking courses developed by or with funding from HHS, FEMA, CDC, DHS and other federal government agencies, state agencies, or other qualified, authoritative training sources. Students are encouraged to select courses relevant to the topics and audiences with whom they interact.

The following are sources and examples of online courses that may qualify for hours towards the Advanced level:
FEMA Emergency Management Institute Independent Study Program online courses, for example:

- Developing and Managing Volunteers – [http://training.fema.gov/EMIWeb/IS/is244a.asp](http://training.fema.gov/EMIWeb/IS/is244a.asp)

*DIS=Disaster Information Specialist
Advanced courses, continued

- Emergency Management Preparedness Fundamentals
  http://training.fema.gov/EMIWeb/IS/is910.asp

- Emergency Planning
  http://training.fema.gov/EMIWeb/IS/is235b.asp

- EOC Management and Operations
  http://training.fema.gov/EMIWeb/IS/IS775.asp

- Fundamentals of Emergency Management
  http://training.fema.gov/EMIWeb/IS/is230b.asp

- Introduction to Continuity of Operations
  http://training.fema.gov/EMIWeb/IS/is547a.asp

- Introduction to Hazardous Materials
  http://training.fema.gov/EMIWeb/IS/IS5.asp

- Introduction to the Incident Command System for Healthcare/Hospitals
  http://training.fema.gov/EMIWeb/IS/is100HCIst.asp

Advanced courses, continued

- Introduction to the Incident Command System for Higher Education
  [http://training.fema.gov/EMIWeb/IS/IS100HE.asp](http://training.fema.gov/EMIWeb/IS/IS100HE.asp)

- Introduction to the Incident Command System for Schools
  [http://training.fema.gov/EMIWeb/IS/IS100SCA.asp](http://training.fema.gov/EMIWeb/IS/IS100SCA.asp)

- Leadership and Influence
  [http://training.fema.gov/EMIWeb/IS/is240a.asp](http://training.fema.gov/EMIWeb/IS/is240a.asp)

- Military Resources in Emergency Management
  [http://training.fema.gov/EMIWeb/IS/IS75.asp](http://training.fema.gov/EMIWeb/IS/IS75.asp)

- Multi-Hazard Emergency Planning for Schools
  [http://training.fema.gov/EMIWeb/IS/is362a.asp](http://training.fema.gov/EMIWeb/IS/is362a.asp)

- National Incident Management System (NIMS) Public Information Systems
  [http://training.fema.gov/EMIWeb/IS/is702a.asp](http://training.fema.gov/EMIWeb/IS/is702a.asp)

- National Response Framework, An Introduction
  [http://training.fema.gov/EMIWeb/IS/IS800b.asp](http://training.fema.gov/EMIWeb/IS/IS800b.asp)

- NIMS Communications and Information Management

- Public Information Officer Awareness Training
  [http://training.fema.gov/EMIWeb/IS/is29.asp](http://training.fema.gov/EMIWeb/IS/is29.asp)

Advanced courses, continued

- Role of Voluntary Agencies in Emergency Management http://training.fema.gov/EMIWeb/IS/is288.asp
- Social Media in Emergency Management http://training.fema.gov/EMIWeb/IS/is42.asp

- National Environmental Health Association courses funded by CDC, listed at http://nehacert.org/moodle/course/category.php?id=12, for example, CDC0701: Environmental Health Training in Emergency Response. CDC-funded courses are available for non-members at no cost.

- Courses (that are available and up-to-date) listed in the Resource Guide for Disaster Medicine and Public Health. Use "Advanced Search" and select "Publication Type." Then select "Instructional/Training Material." Courses may be from universities, associations, government, international agencies, military, etc.

- Courses listed in TRAIN. TRAIN is a database of national and state training on all public health topics. Select "Course Search" and then "Search" to look for courses listed under Emergency Management, Emergency Medical Services, Fire, Hazmat, Infectious Diseases, Injury/Violence/Trauma, Legal/Ethical, Mass Prophylaxis, and Terrorism/Emergency Readiness.

- Online Courses from the American Red Cross. Online courses are available after registering on this page, https://classes.redcross.org/Saba/Web/Main. Use the dropdown menu to identify online courses on disaster response topics. For the courses "Disaster Digital Volunteer Training" and "Social Basics," see http://blog.redcross.org/red-cross-university. These social media courses require registration and/or application to be a digital volunteer. Contact your local Red Cross for information on local classroom training on disaster response.

IS-100.HE: Introduction to the Incident Command System for Higher Education

Course Date
3/18/2009

Course Overview
ICS 100.HE, Introduction to the Incident Command System for Higher Education, introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features and principles, and organizational structure of ICS. It also explains the relationship between ICS and the National Incident Management System (NIMS). This course uses the same objectives and content as other ICS courses with higher education examples and exercises.

Course Objectives:
At the completion of this course, you should be familiar with:
- ICS applications in incidents at higher education institutions

More resources for libraries and librarians are available at DIMRC
Emergency Access Initiative (EAI) is a partnership of the National Library of Medicine, the National Network of Libraries of Medicine, and the National/Scholarly Publishing Division of the Association of American Publishers and other publishers. EAI provides temporary free access to full articles from major biomedical 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 1-800-338-7657 for biomedical literature.

Event: None

Access period: Not Available

Service is provided to healthcare professionals and libraries following a disaster affecting a region of the United States or throughout the world. Service is active only when a disaster event is named and the access period specified.

If going access to biomedical literature, contact your local medical library.
Public Libraries and First Responders: Partners in Emergency Response
Posted on May 16th, 2013 by Dan Wilson | Filed under Partnerships | Comments Off

This video was produced by the South Central Region of the NN/LM:

http://nnlm.gov/ep/
Go to http://nnlm.gov/ep/

- Play video
- Show other resources
Librarians and Libraries Respond to Disasters: Bibliography on Library Roles in Disaster Preparedness, Response, and Recovery

Publications


Some additional resources ...

- **D-Plan: The Online Disaster-Planning Tool for Cultural and Civic Institutions.** This online disaster-planning template was prepared by the Northeast Document Conservation Center (NEDCC) and the Massachusetts Board of Library Commissioners (MBLC). The development of the template was funded by the Institute of Museum and Library Services (IMLS) and the National Center for Preservation Technology and Training (NCPTT): [http://www.dplan.org/](http://www.dplan.org/)

State and Local Resources
Search for state agencies and organizations (or for organizations devoted to a particular purpose) on DIMRC home page.
Maryland Office of Preparedness and Response (DHMH)

http://preparedness.dhmh.maryland.gov/SitePages/Home.aspx
Maryland Emergency Management Agency (MEMA)
http://mema.maryland.gov/Pages/default.aspx
Maryland Institute for Emergency Medical Services (MIEMSS)

- [http://www.miemss.org/home/](http://www.miemss.org/home/)

MIEMSS is the licensing agency for Emergency Medical Services and offers disaster-related training opportunities throughout the year.
DHMH Maryland Responds—Medical Reserve Corps (MRC): The MD Responds team consists of health care professionals and community members ready to assist with disaster and emergency response and recovery during a declared emergency. MD Responds coordinates the recruitment, training, activation, and retention of practicing and retired physicians, nurses, other health professionals, as well as citizens who are eager to address their community's ongoing public health needs and to help during large-scale emergencies.

http://mdr.dhmh.maryland.gov/SitePages/Home.aspx
Thank you! ... And please ....

- Complete your post-test and evaluation form and return to instructor today.

- Be sure you turned in your Participant Information Form.

- Contact Mary Spalding at mspalding@wmahec.com or 301-777-9150, Ext. 116, with questions or comments.

BE SAFE!