NLM Technical Bulletin

National Library of Medicine | National Institutes of Health

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March 08, 2010 [posted]

"An Iconography of Contagion" Now Online

[Editor's Note: This is a reprint of an announcement published on the NLM Web site on February 26, 2010. To be notified of announcements like this, subscribe to NLM-Announces e-mail list.]

Based on Popular Exhibition, Site Showcases 20th-century Public Health Posters

An Iconography of Contagion: A Web Exhibition of 20th-century Health Posters has been launched in a new online version on the National Library of Medicine® (NLM) Web site. NLM is the world's largest medical library and an arm of the National Institutes of Health.

The site, which is adapted from the exhibition of the same name, hosted by the National Academy of Sciences in 2008, features more than 20 health posters from the 1920s to the 1990s, from North America, Europe, Asia and Africa. Using images that are by turns beautiful, humorous, jarring and unexpected, they cover infectious diseases such as malaria, tuberculosis, AIDS, gonorrhea and syphilis. In pictures, text and captions, *An Iconography of Contagion* shows the interplay between medical science, politics, public understanding of disease, war, and cultural values and prejudices. It was curated by medical historian Michael Sappol in the NLM History of Medicine Division.

Public health took a visual turn about 100 years ago. In an era of devastating epidemic and endemic infectious disease, health professionals began to organize coordinated campaigns that sought to mobilize public and government action through eye-catching posters, pamphlets and motion pictures. Impressed by the images of mass media that increasingly saturated the world around them, health campaigners were inspired to present new figures of contagion, and recycle old ones, using modernist aesthetics, graphic manipulations, humor, dramatic lighting, painterly abstraction, distortions of perspective and other visual strategies. They devised a new iconography of contagion that emphasized visual legibility and the pleasure of the view.

Meanwhile, *Iconography of Contagion*, the physical exhibition, is on tour through the Cultural Programs of the National Academy of Sciences. For booking information, please contact Alana Quinn at aquinn@nas.edu and 202.334.2415.

Exhibition Touring Schedule

September 28, 2009 - January 29, 2010
Global Health Odyssey Museum
Centers for Disease Control and Prevention
Atlanta, GA

February 15, 2010 - May 28, 2010
Claude Moore Health Sciences Library
University of Virginia

Charlottesville, VA

For print-quality images, contact Melanie Modlin in the NLM Office of Communications and Public Liaison, mm354i@r mm354i@nih.gov and 301.496.7771.

"An Iconography of Contagion" Now Online. NLM Tech Bull. 2010 Mar-Apr;(373):e1.

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March 10, 2010 [posted]

To Interest and Inform its Worldwide User Group, National Library of Medicine® Launches Facebook Fan Page

[Editor's Note: This is a reprint of an announcement published on the NLM Web site on March 1, 2010. To be notified of announcements like this, subscribe to NLM-Announces e-mail list.]

Sign Up for the Latest from the World's Largest Medical Library

The National Library of Medicine (NLM®), an arm of the National Institutes of Health (NIH), announces the debut of its new Facebook Fan Page Monday, March 1, 2010. The goal of the new page is to share news, information, fun facts and important links with interested readers. Click on the "Become a Fan" icon, at the top right of the screen. You'll then be treated to updates in real time, as they're issued.

NLM is the developer of some of the world's largest and most respected electronic information services, and delivers trillions of bytes of data to millions of users daily. It also has a vast collection of more than 12 million items, including about 20,000 contemporary journals from around the world and historical holdings back to the 11th century.

The new Facebook page will post information about all aspects of the Library. Fans will be among the first to know about the latest NLM developments, receive notifications on conferences, guest speakers and other events, and be guided to the vast and various research resources NLM has to offer. They can also read the latest issues of the popular consumer magazine from NLM, *NIH MedlinePlus*®, and its Spanish/English language counterpart, *NIH MedlinePlus Salud*. Viewers can browse through historical images and contribute to discussions on future projects, all via their favorite social networking site. The page will also lead users to content from the growing roster of social media sites from NLM.

Make sure that you don't miss a beat. Become a fan of the National Library of Medicine.

To Interest and Inform its Worldwide User Group, National Library of Medicine® Launches Facebook Fan Page. NLM Tech Bull. 2010 Mar-Apr;(373):e2.

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March 12, 2010 [posted]
March 17, 2010 [Editor's note added]

PubMed® Search Results can be Customized Using My NCBI

[Editor's note added March 17, 2010: These changes were implemented in PubMed on March 16, 2010.]

PubMed will soon be enhanced to begin gradually including citations for a subset of books available on the NCBI Bookshelf. The first books to be added are, *Gene Reviews* and *Essentials of Glycobiology*. A citation will be included for both the book and each chapter or section of the book. These records will have the status tag, [PubMed].

Result Display Settings

The current default in PubMed displays multiple items in the Summary format, 20 per page, and sorted by items recently added at the top. To change this, access My NCBI, click on "PubMed Preferences," then "Result Display Settings" (see Figure 1).

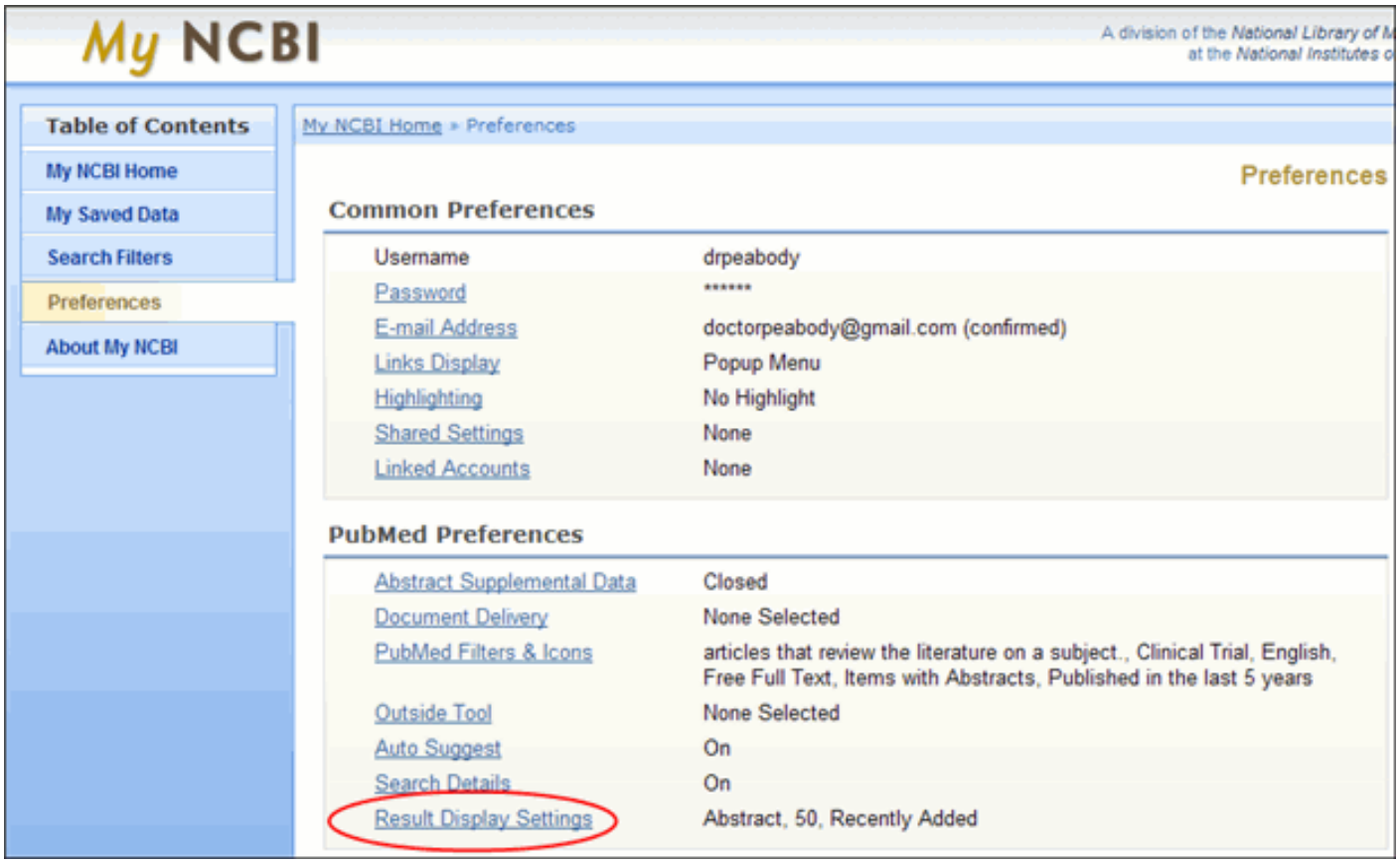

Figure 1: PubMed Preferences in My NCBI

Select either the Abstract or the Summary format. You can change the number of citations to be displayed per page – up to 200, and choose from the sort options of Recently Added, Pub Date (Publication Date), First Author, Last Author, Journal, or Title (see Figure 2). You must be signed in to My NCBI to apply your display selections to your PubMed search results, and note also that a change to the display may result in a longer response time. This does not change the display of single records which will continue to display in the Abstract format.

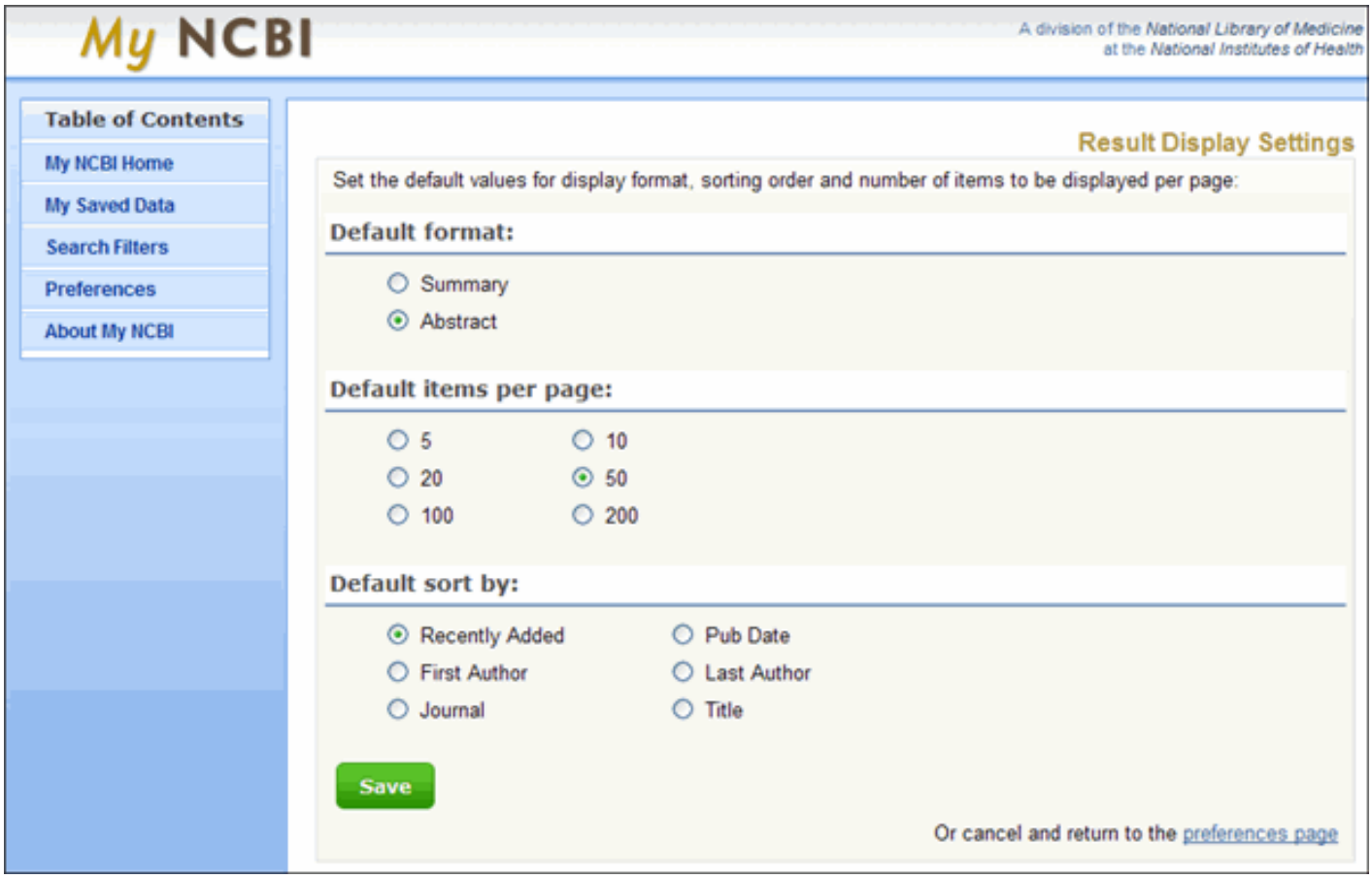

Figure 2: Result Display Settings.

A two minute Quick Tour, Changing Your Default Display Settings, will be available on the PubMed Online Training page.

Searchers who want the Supplemental Data (e.g., MeSH terms) to always display are reminded to use the Abstract Supplemental Data preference option. For more information about this and other My NCBI preferences, seeMy NCBI Help: Using Preferences.

Filters

You can also now use My NCBI to select up to 15 filters for PubMed. All filters are displayed as links under "Filter your results" on the upper right of your search results (see Figure 3). Click on any of the filter links to display a subset of your results. To change your filter selections, click on "Manage Filters."

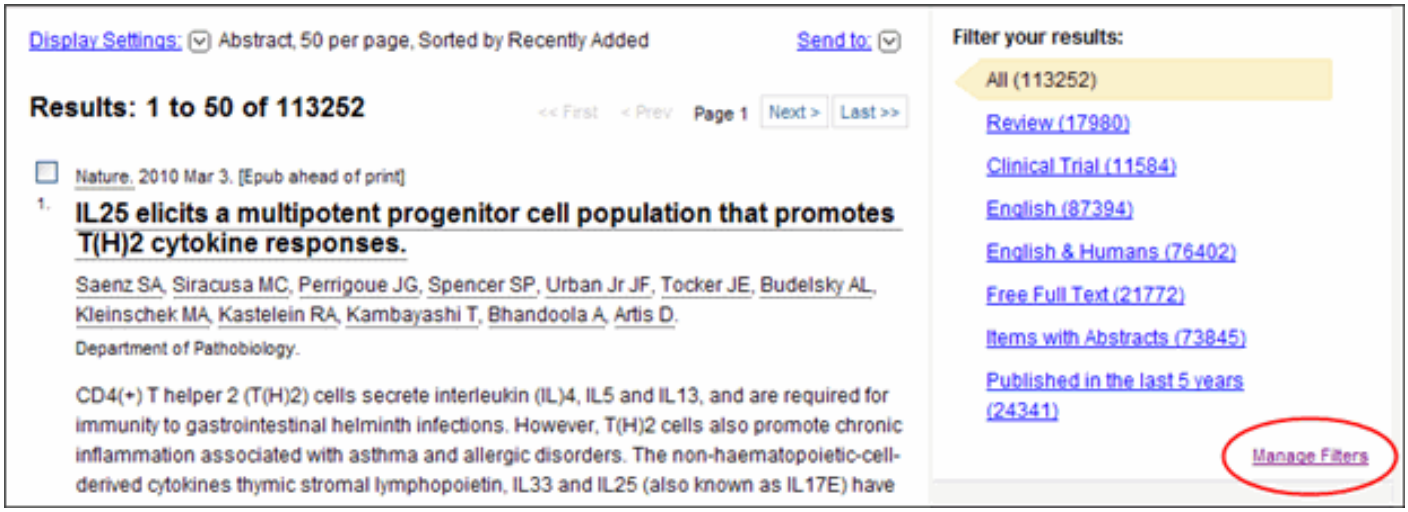

Figure 3: Results filters.

By Lidia Hutcherson
National Center for Biotechnology Information

Hutcherson L. PubMed® Search Results can be Customized Using My NCBI. NLM Tech Bull. 2010 Mar-Apr;(373):e3.

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March 15, 2010 [posted]

NLM® Invites the Media to Follow it on Twitter

[Editor's Note: This is a reprint of an announcement published on the NLM Web site on March 5, 2010. To be notified of announcements like this subscribe to NLM-Announces e-mail list.]

News Feed Will Link to the Latest on Health IT, Online Resources and Much More

The National Library of Medicine® (NLM), a longtime leader in harnessing information technology to improve the public health, announces the creation of a Twitter feed, to spread news, information and important links primarily to members of the news media. The feed may be found on Twitter at nlm_newsroom. NLM is a component of the National Institutes of Health.

"We recognize that social media sites are an important and essential way to further enhance the role of NLM in the 21st century," observed NLM Director Dr. Donald A.B. Lindberg. "The public, and journalists in particular, are turning to outlets such as Twitter as gateways to understanding and further exploration."

NLM, the world's largest biomedical library and the developer of electronic information services, delivers trillions of bytes of data to millions of users daily.

Every day 3.5 terabytes of data are downloaded to users. By making research results - from DNA sequences to clinical trials data to published scientific articles and consumer health information - readily available, the Library magnifies the positive impact of the NIH investment in the creation of new knowledge.

By organizing increasing amounts and types of biomedical and health information, NLM fuels new research discoveries, informs patient care decisions, helps people exert control over their health and health care, and aids disaster preparedness and response.

NLM® Invites the Media to Follow it on Twitter. NLM Tech Bull. 2010 Mar-Apr;(373):e4.

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March 16, 2010 [posted]

NLM® Creates "Directory of History of Medicine Collections" Database

[Editor's Note: This is a reprint of an announcement published on the NLM Web site on March 8, 2010. To be notified of announcements like this, subscribe to NLM-Announces e-mail list.]

New Resource Provides Information on History of Health Sciences Collections Worldwide

The National Library of Medicine® (NLM) is pleased to announce the creation of the Directory of History of Medicine Collections database. This unique resource is available at: http://wwwcf.nlm.nih.gov/hmddirectory/index.html.

The Directory of History of Medicine Collections aims to serve as a resource to provide information about history of health sciences collections worldwide. The collections described in the Directory database provide research, reference and interlibrary loan services to scholars interested in the history of the health sciences.

The database is keyword searchable, with the ability to refine your search results by categories: organization type, state/province, country, collection subject strengths and organization name.

To view the table of contents, which is arranged alphabetically by US state and city, followed by other countries listed alphabetically, go to: http://wwwcf.nlm.nih.gov/hmddirectory/directory/locations.cfm.

The NLM invites libraries, archives, and museums, which include in their collections holdings in the history of medicine and health sciences to become part of the Directory. For details on how to add your collection to the database, please see "About the Directory," at: http://wwwcf.nlm.nih.gov/hmddirectory/directory/about.cfm.

NLM encourages organizations to keep their entries up to date. New and revised data can be sent directly to the History of Medicine Division. To learn more, click on the "Edit Your Collection" link on the main page and read, "How do I update or edit my collection listed in the Directory."

NLM® Creates "Directory of History of Medicine Collections" Database. NLM Tech Bull. 2010 Mar-Apr;(373):e5.

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March 19, 2010 [posted]

Unified Medical Language System® (UMLS®) News

2010AA Release

The 2010AA Release of the UMLS Knowledge Sources will be available in May 2010. This is a new release cycle where the AA Release will occur in May rather than April, effective 2010 forward.

2010AA Semantic Network

Three semantic types in the Organism hierarchy will no longer be used: Invertebrate, Rickettsia or Chlamydia, and Alga.

Semantic types assigned to Metathesaurus concepts will be replaced as shown below. These changes will be documented in the UMLS Reference Manual and the 2010AA Release Notes.

Replaced semantic type	Replaced-by semantic type
Invertebrate	Eukaryote*
Rickettsia or Chlamydia	Bacterium**
Alga***	*Either:* Plant** *OR* Eukaryote**

*New semantic type.
**Existing semantic type.
***Reassigned to reflect current taxonomy.

SNOMED CT®

The January 2010 International Release of SNOMED CT is available for download. Note that the file names and directory structure have changed, and the International Release is now distributed as a single zipped file that includes the resources previously distributed in the "Essential" and "Optional" files. This terminology will also be included in the Metathesaurus format in the 2010AA Release of the UMLS Knowledge Sources.

The January 2010 Technology Preview is available for download. The Technology Preview is a zipped file that contains two alternate versions (RF1 and RF2) of the January 2010 International Release, and is designed to prepare SNOMED CT users for the introduction of the enhanced "RF2" release file format in future International Releases.

RxNorm

RxNorm users have two new ways to learn about current and upcoming releases, significant changes to the data, and general information about RxNorm.

- Release Notes:
    - Monthly release notes are now available from the RxNorm Files Web page.
- Announcement-only e-mail notification list:
    - Users are encouraged to subscribe to the RXNORM-ANNOUNCES e-mail list to stay current on RxNorm news.

Webcasts

The first two UMLS Webcasts of 2010 have been scheduled. The dates and topics are:

- April 28, 2010, 2:00 pm EST: "The UMLS and Nursing Terminologies" presented by Amy Jacobs
- June 9, 2010, 2:00 pm EST: "From Source to Metathesaurus Format: New Source Release Documentation" presented by Stephanie Lipow

Call for Suggestions

The National Library of Medicine® (NLM®) welcomes your suggestions for UMLS topics and expert speakers for the 2010 Webcast schedule.

Throughout the year, NLM offers interactive Webcasts hosted by UMLS staff members. The UMLS Webcasts give users opportunities to learn about the diverse products that make up the UMLS. Each Webcast is a 20-30 minute presentation, followed by a question-and-answer session. They cover topics from introductory material such as "Getting started with the 2007AC UMLS DVD" to highly technical material such as "Using the UMLS sample data in MS Access." You can view previous Webcasts on the Webcasts homepage.

Suggestions for topics and speakers may be e-mailed to NLM Customer Service with the subject “UMLS Webcast Suggestions.”

2009 Licensee Annual Report

The deadline for the 2009 Annual Report was January 31, 2010. If you did not submit a report, you will need to re-accept theMetathesaurus license agreement and submit a new license request form to access the UMLS Resources (UMLSKS and file Downloads).

2009AB Source Release Documentation

UMLS Source documentation pages for the 2009AB Release are now available.

By Victoria Wilder
MEDLARS Management Section

Wilder V. Unified Medical Language System® (UMLS®) News. NLM Tech Bull. 2010 Mar-Apr;(373):e6.

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March 23, 2010 [posted]

An Ancient Medical Treasure at Your Fingertips

[Editor's Note: This is a reprint of an announcement published on the NLM Web site on March 18, 2010. To be notified of announcements like this, subscribe to NLM-Announces e-mail list.]

NLM "Turning The Pages" Lets Users Explore Egyptian Medical Papyrus On Virtually Any Computer, Anywhere

History and high-tech merge in a new offering from the National Library of Medicine® (NLM®), the world's largest medical library and an arm of the National Institutes of Health. It's a novel twist on the popular NLM online system, *Turning The Pages*, which allows you to turn the pages of a rare book on your computer screen. Now, users can journey back to pre-book times and "unroll the scroll" or, more specifically, the Edwin Smith Papyrus, the world's oldest known surgical document. The new offering is at http://archive.nlm.nih.gov/proj/ttp/flash/smith/smith.html.

The Smith Papyrus was written in Egyptian hieratic script around the 17th century BCE but probably based on material from a thousand years earlier. This collaborative online representation features an important new translation by James P. Allen, formerly of the Metropolitan Museum of Art, and high-resolution scans lent by the scroll's owner, the New York Academy of Medicine.

"We are delighted to collaborate with NLM in bringing the Edwin Smith Surgical Papyrus to a much wider audience and the use of interactive technology will allow researchers and the public to explore the document more deeply," said Academy President Jo Ivey Boufford, MD.

"The Smith Papyrus is extremely important," added NLM Director Donald A.B. Lindberg, MD, "because it showed for the first time that Egyptians had a scientific understanding of traumatic injuries based on observable anatomy rather than relying on magic or potions."

The text is a treatise on trauma surgery and consists of 48 cases dealing with wounds and trauma. Each case is laid out using a carefully prescribed formula: a description of the injury; diagnosis; prognosis; treatment; and further explanations of the case, which resemble footnotes.

"This papyrus is unlike most other medical papyri in that it is chiefly rational and does not usually bring the supernatural into the explanations or treatments for injuries-for instance, there is only one incantation," said Michael North, curator of the project and of rare books in the History of Medicine Division at NLM.

Fortunately for potential viewers of the scroll, the computer scientists at NLM also relied on sound scientific principles rather than magic to devise a system that allows the unfurling of the scroll on a computer.

"The technical challenges of digitally transforming and making this scroll available on a personal computer were enormous," said George Thoma, PhD, chief of the Communications Engineering Branch at Lister Hill Center at NLM. Thoma led the technical efforts and team at NLM. "The memory requirements were immense, so we had to come up with ways to manage the memory for home use. We created the illusion of rolling and unrolling by superimposing the frame by frame animation of the rolled section of the scroll on the large image of the entire papyrus."

In addition, creative animation techniques, dealing with bend modifying and lattice deformation, were necessary in order for the scroll to unroll and flip over correctly. Also, to explore the graceful, two-color calligraphy, a "zoom" mode offers a roving magnifying window, the design for which came with its own complexity.

NLM computer scientists were also faced with the challenge of putting the scroll back together in the first place. When Edwin Smith, an American dealer and collector of antiquities, acquired the papyrus in Egypt in 1862, it consisted of a single scroll about 15 feet long with some loose fragments, but it was cut into 17 columns sometime in the 19th century. The leaves had to be digitally "stitched" together to recreate the original appearance of the scroll.

"As far as I know, we may be the only Library in the world that has mastered the computation and technology to create an easily usable virtual scroll for a personal computer user," Dr. Thoma added.

The British Library created *Turning The Pages*, but NLM has collaborated with that institution to create its own version. There are now six books, in addition to the scroll, in the online version. Two touch-screen versions are also on view at the National Library of Medicine, on the NIH campus in Bethesda, Maryland.

For *Turning The Pages* technical requirements for computers: http://archive.nlm.nih.gov/proj/ttp/requirements.htm.

An Ancient Medical Treasure at Your Fingertips. NLM Tech Bull. 2010 Mar-Apr;(373):e7.

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March 23, 2010 [posted]

PubMed® Extends Its Reach — Biomedical Database Moves Back in Time to 1947

[Editor's Note: This is a reprint of an announcement published on the NLM Web site on March 23, 2010. To be notified of announcements like this, subscribe to NLM-Announces e-mail list.]

Harry Truman was President, gas cost 15 cents a gallon, the transistor was invented, and internationally renowned surgeon Dr. Michael DeBakey was publishing articles on the US Army's World War II experience with battle injuries, military surgery, and the use of streptomycin therapy. Citations to these and more than 60,000 other articles indexed in the 1947 *Current List of Medical Literature* (*CLML*) are now available in the National Library of Medicine® (NLM®) MEDLINE®/PubMed database.

When the original MEDLINE database made its debut in 1971, it contained citations to journal articles mostly published from approximately 1966 forward. NLM began to expand the retrospective coverage of the database in 1996, when more than 307,000 citations originally published in the 1964 and 1965 *Cumulated Index Medicus*® were made available as OLDMEDLINE. The Library has been moving steadily backward in time ever since.

Although 1947 may seem far back in the rear view mirror of history, important articles in biomedicine appeared that year and may hold vital lessons for research in the 21st century. "Some contemporary medical questions can only be answered by consulting the older literature," observed NLM Director Dr. Donald A.B. Lindberg. "NLM is working to make the journal citations in older printed indexes electronically searchable, and our goal is to go back at least as far as World War II."

With the addition of the 1947 citations, the MEDLINE/PubMed subset now contains over 20 million citations produced during 63 years of indexing of the biomedical literature.

For additional information about the data conversion project, go to:
http://www.nlm.nih.gov/databases/databases_oldmedline.html.

PubMed® Extends Its Reach — Biomedical Database Moves Back in Time to 1947. NLM Tech Bull. 2010 Mar-Apr;(373):e8.

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March 23, 2010 [posted]
April 15, 2010 [Editor's note added]
April 26, 2010 [Editor's note added]

2010 MLA Meeting Reminder and NLM® Invitation

[Editor's note: Section-Sponsored Programming and Posters information added on April 15, 2010.]

[Editor's note: PDF version of the NLM Theater schedule added on April 26, 2010.]

Article Highlights:

- Mark Your MLA Calendars
- Continuing Education Classes & Symposium
- Section-Sponsored Programming
- Posters
- NLM Theater Schedule

The Annual Meeting of the Medical Library Association (MLA) will be held May 21-26, 2010 in Washington, DC at the Hilton Washington. Attendees are invited to visit the NLM exhibit booth #115 (May 22-25) to meet National Library of Medicine (NLM) staff and see NLM Web products and services. The NLM Theater at the booth will feature demonstrations and tutorials on a wide variety of topics. Please see the NLM Theater schedule.

Mark Your MLA Calendars

Monday, May 24 (7:00 am - 8:15 am)
NLM Online Users - Meeting "Sunrise Seminar"
Location: Lincoln West
NLM staff will highlight recent accomplishments and indicate new developments in a variety of online systems, including MEDLINE®/PubMed®, MedlinePlus® and DOCLINE®.

Tuesday, May 25 (9:00 am - 10:00 am)
NLM Update
Location: International Ballroom Center (Washington Hilton)
Speakers:
Dr. Donald A.B. Lindberg, Director
Sheldon Kotzin, Associate Director for Library Operations
Dr. Deborah Zarin, Director, ClinicalTrials.gov

Wednesday, May 26 (2:00 pm)
Leiter Lecture
Location: Lister Hill Auditorium, NLM, 8600 Rockville Pike, Bethesda, MD 20894
Speaker: John D. Halamka

John D. Halamka is the chief information officer of Beth Israel Deaconess Medical Center, chief information officer at Harvard Medical School, chairman of the New England Healthcare Exchange Network (NEHEN), chair of the US Healthcare Information Technology Standards Panel (HIT-SP)/co-chair of the HIT Standards Committee, and a practicing emergency medicine physician. Halamka will address the National Library of Medicine role in advancing health care information technology in the future.

The Lecture will be recorded and broadcasted live on the Web to MLA members and the NIH community at http://videocast.nih.gov. A coffee/tea reception sponsored by the Friends of the National Library of Medicine will follow the Lecture at the Lister Hill Center lobby. Special NLM tours will be offered at 3:00 pm and 3:30 pm, starting in the NLM Visitor Center.

Sunday, May 23 (7:00 pm - 9:00 pm)
Friends of the National Library of Medicine (FNLM) Annual MLA Reception
Location: Dumbarton House, 2715 Q St., N.W., Washington DC 20007
Ticket required. Price: $60, includes a one-year FNLM membership.
Purchase tickets on the MLA registration form.
Further details available at:

Informal Meetings
MedlinePlus Go Local
Tuesday, May 25 (3:30 pm - 5:00 pm)
Location: Oak Lawn Room

DOCLINE® Users Group Meeting
Monday, May 24 (4:00 pm - 5:00 pm)
Location: Lincoln West

PubMed LinkOut® User Meeting
Tuesday, May 25 (3:30 pm - 5:00 pm)
Location: Lincoln West

Continuing Education Classes & Symposium

While at the meeting in Washington, consider taking an MLA continuing education class taught by National Institutes of Health (NIH), NLM or National Network of Libraries of Medicine® (NN/LM) staff:

Friday, May 21 (1:00 pm - 5:00 pm)
Making Sense of Protein Sequences
CE 301
Instructor: Medha Bhagwat, NIH Library, Bethesda, MD

Saturday, May 22 (10:00 am - 4:00 pm)
E-Patients: The Techno-cultural Revolution of Health Consumers Symposium
Sponsored by the NLM, NN/LM, Southeastern Atlantic Region, Hospital Libraries Section of MLA, and the Federal Libraries Section of MLA
More information available at the symposium Web site: http://www.hshsl.umaryland.edu/epatientsympo
http://www.hshsl.umaryland.edu/epatientsymposium/

Saturday, May 22 (8:00 am - 5:00 pm)
Measuring Your Impact: Using Evaluation for Library Advocacy

CE 103
Instructors: Elizabeth Kelly, NN/LM, MidContinental Region, Becker Medical Library, Washington University, St. Louis, MO, and Barbara Jones, NN/LM, MidContinental Region, J. Otto Lottes Health Science Library, University of Missouri-Columbia

Saturday, May 22 (8:00 am - Noon)
Health Issues in the Headlines: Learning to Read between the Lines
CE 300
Instructor: Gail Kouame, NN/LM, Pacific Northwest Region, University of Washington-Seattle

Saturday, May 22 (8:00 am - Noon)
Community Assessment
CE 303
Instructors: Susan Barnes, NN/LM, Outreach Evaluation Resource Center, Health Sciences Library, University of Washington-Seattle and Cindy Olney, CO Consulting, LLC, Roswell, GA

Saturday, May 22 (1:00 pm - 5:00 pm)
Do You Want to be a Library Director? Knowledge, Skills, and Career Path
CE 203
Instructors: James Shedlock, Galter Health Sciences Library, Feinberg School of Medicine, Northwestern University, Chicago, IL; Carol Jenkins, Health Sciences Library, University of North Carolina-Chapel Hill; and M.J. Tooey, NN/LM, Southeastern Atlantic Region, Health Sciences and Human Services Library, University of Maryland-Baltimore

Saturday, May 22 (1:00 pm - 5:00 pm)
PubMed Clinics of North America: A Problem-based Approach to PubMed Searching
CE 306
Instructor: Kay Deeney, NN/LM, Pacific Southwest Region, Louise M. Darling Biomedical Library, Center for the Health Sciences, University of California-Los Angeles

Saturday, May 22 (1:00 pm - 5:00 pm)
Rare Medical Books: A Hands-on Introduction
CE 402
Instructors: Stephen Greenberg, History of Medicine Division, NLM, Bethesda, MD and Patricia Gallagher, Library, New York Academy of Medicine-New York
[This course will take place in the History of Medicine Reading Room at the National Library of Medicine, Bethesda, MD.]

Saturday, May 22 (1:00 pm - 5:00 pm)
Screencasting: Creating Online Tutorials
CE 504
Instructors: Max Anderson, NN/LM, Greater Midwest Region, Library of the Health Sciences, University of Illinois-Chicago and J. Dale Prince, NN/LM, Southeastern/Atlantic Region, Health Sciences and Human Services Library, University of Maryland, Baltimore

Saturday, May 22 (1:00 PM - 5:00 pm)
Evidence-based Public Health: Finding and Appraising Relevant Resources
CE 603
Instructors: Nancy Allee, Health Sciences Libraries, University of Michigan-Ann Arbor; Kristine Alpi, William Rand Kenan, Jr. Library of Veterinary Medicine, North Carolina State University-Raleigh; and E. Hatheway Simpson, NN/LM, New England Region, University of Massachusetts-Shrewsbury

Saturday, May 22 (1:00 pm - 5:00 pm)
Finding Information in Numbers and Words: Data Analysis for Health Information Outreach
CE 702
Instructors: Susan Barnes, NN/LM, Outreach Evaluation Resource Center, Health Sciences Library, University of Washington-Seattle and Cindy Olney, CO Consulting, LLC, Roswell, GA

Wednesday, May 26 (1:00 pm - 5:00 pm)
Advanced Proposal Writing
CE 205
Instructor: Michelle Malizia, NN/LM, South Central Region, Houston, TX

Wednesday, May 26 (1:00 pm - 5:00 pm)
A Ten-step Approach to Service Continuity Planning
CE 206
Instructor: Daniel T. Wilson, NN/LM National Emergency Preparedness and Response Initiative, Claude Moore Health Sciences Library, University of Virginia-Charlottesville

Further course details are available at http://mlanet.org/am/am2010/ce/.

Section-Sponsored Programming

Department of Health and Human Services, NIH, NLM and NN/LM staff will also be participating in the following MLA sessions:

Sunday, May 23 (1:00 pm - 5:00 pm)
Symposium: *The Informationist in Practice*
Location: Jefferson East, Concourse Level
This symposium brings together informationists working in three settings-clinical, public health, and bioinformatics-to share their experiences and describe their programs, how they got started, requisite training, keys to success, and long-term sustainability. It concludes with a panel on assessing the impact of the service. The symposium is being coordinated by informationists from the National Institutes of Health (NIH) and includes panelists from programs at Vanderbilt University, Johns Hopkins University, University of Pittsburgh, Harvard University, University of Arizona, and Washington University among others, as well as NIH.
More information available at: http://www.mlanet.org/am/am2010/events/informationist_symposium.html

Sunday, May 23 (1:30 pm - 2:30 pm)
Session Title: *Open Forum: Librarians without Borders Issues*
Topic: Health Library Outreach to Africa
Speakers: Julia Royall, National Library of Medicine, Bethesda, MD; Anne Seymour, Biomedical Library, University of Pennsylvania, Philadelphia, PA; and Mellanye Lackey, University of North Carolina, Chapel Hill, NC
Location: Lincoln West, Concourse Level

Sunday, May 23 (2:45 pm - 4:15 pm)

Session Title: Bioethics and the History of the Health Sciences
Topic: *Hippocrates and the Bikers: A Brief Introduction to Bioethics and the History of Health Sciences*

Speaker: Stephen Greenberg, History of Medicine Division, National Library of Medicine, Bethesda, MD
Time: 2:50 pm - 3:06 pm
Location: Cabinet, Concourse Level

Session Title: E-science: Exploring the Librarian's Role
Topic: *Creation of the Pandemic Influenza Digital Archive*
Speaker: James King, Information Architect, NIH Library, National Institutes of Health, Bethesda, MD
Time: 2:50 pm - 3:30 pm
Location: Georgetown East, Concourse Level

Session Title: E-science: Exploring the Librarian's Role
Topic: *A Collaborative Approach to Librarian Involvement in E-science Initiatives*
Speaker: Elaine R. Martin, NN/LM, New England Region, Lamar Soutter Library, University of Massachusetts Medical School, Worcester, MA
Time: 3:50 pm - 4:10 pm
Location: Georgetown East, Concourse Level

Session Title: Reflecting on Our Past and Connecting to Our Future
Topic: *Not Your Same Old Technical Services: Using Technology to Support the Transition to Electronic Resources Management*
Speakers: Betty Landesman, Electronic Resources Coordinator and Ben Hope, Chief, Information Architecture Branch, NIH Library, National Institutes of Health, Bethesda, MD
Time: 2:50 pm - 3:06 pm
Location: Jefferson West, Concourse Level

Session Title: Traffic is a Good Thing! Innovative Ways to Increase Use of Consumer Health Resources in Your Library
Topic: *2010 HealthyMe@UMB: Promoting Health and Wellness to the Campus Community*
Speakers: Alexa A. Mayo, Health Sciences and Human Services Library, University of Maryland and M. J. Tooey, NN/LM, Southeastern Atlantic Region, Health Sciences and Human Services Library, University of Maryland, Baltimore, MD
Time: 3:22 pm - 3:38 pm
Location: Lincoln East, Concourse Level

Monday, May 24 (2:30 pm - 4:00 pm)

Session Title: Added Value: Linking E-resources to Clinical Information Systems
Topic: *"Meaningful Use" of Health Information Technology and Role for the Medical Library*
Speaker: Charles P. Friedman, Deputy National Coordinator, Health Information Technology, Department of Health and Human Services, Washington, DC
Time: 2:35 pm - 2:51 pm
Location: International Ballroom East, Concourse Level

Session Title: AIDS 2010: Evolution of Information
Topic: *AIDS Information Resources and Services from the National Library of Medicine*
Speaker: Nicole Dancy, Division of Specialized Information Services, National Library of Medicine, Bethesda, MD
Time: 2:35 pm - 2:55 pm
Location: Georgetown East, Concourse Level

Session Title: AIDS 2010: Evolution of Information
Topic: *Title to be announced*
Speaker: Miguel Gomez, Director, AIDS.gov, Department of Health and Human Services, Washington, DC
Time: 3:35 pm - 3:55 pm
Location: Georgetown East, Concourse Level

Session Title: Advancing the History of the Health Sciences Libraries and Librarians: A Report and Reaction
Topic: *Advancing the History of the Health Sciences Library and Librarian: A Report and Reaction: Code I*
Speakers: Michael A. Flannery, Historical Collections, Lister Hill Library of the Health Sciences, University of Alabama, Birmingham, AL; Stephen J. Greenberg, History of Medicine Division, National Library of Medicine, Bethesda, MD; Edwin Holtum, John Martin Rare Book Room, Hardin Library for the Health Sciences, University of Iowa, Iowa City, IA; Suzanne Porter, History of Medicine Collections, Medical Center Library, Duke University, Durham, NC; Lucretia W. McClure, Countway Library of Medicine, Harvard University, Boston, MA
Time: 2:30 pm - 4:00 pm
Location: Monroe, Concourse Level

Session Title: EMBASE Lecture
Topic: *An Introduction to the Regulation of Prescription Drug Promotion: The Role of the Food and Drug Administration*
Speaker: Kathryn Aikin, Division of Drug Marketing, Advertising and Communications, Food and Drug Administration, Silver Spring, MD
Time: 2:30 pm - 4:00 pm
Location: Lincoln East, Concourse Level

Tuesday, May 25 (2:00 pm - 3:30 pm)

Session Title: Left/Right Brain: What Have You Been Thinking About Lately? (Session B)
Topic: *Visualize the Activity in the Library with Data*
Speakers: Ben Hope, Information Architecture Branch and Bradley Otterson, NIH Library, National Institutes of Health, Bethesda, MD
Time: 2:05 pm - 2:21 pm
Location: Lincoln West, Concourse Level

Session Title: Vaccine Information: The Role of the Library in Evaluation, Communication, and Dissemination
Topic: *Vaccine Update, United States, 2010: Recommendations, Concerns and Future Directions*
Speaker: Ray Strikas, National Vaccine Program Office, US Public Health Service, Washington, DC
Time: 2:05 pm - 2:20 pm
Location: Lincoln East, Concourse Level

Session Title: Vaccine Information: The Role of the Library in Evaluation, Communication, and Dissemination
Topic: *Vaccine Communication Challenges and Strategies During the 2009-2010 Influenza Season*
Speaker: Kristine Sheedy, Health Communications Office, Centers for Disease Control and Prevention, Atlanta, GA
Time: 2:55 pm - 3:10 pm
Location: Lincoln East, Concourse Level

Session Title: Diseases Without Borders: Information for Global Epidemiology
Topic: *Web 2.0 for Emergency Response: Emerging Opportunities for Greater Situational Awareness*
Speakers: Alicia Livinski, NIH Library, National Institutes of Health, Bethesda, MD and Dina Passman, Office of the Assistant Secretary for Preparedness and Response, Department of Health and Human Services, Washington, DC
Time: 2:05 pm - 2:25 pm
Location: Cabinet, Concourse Level

Session Title: Diseases Without Borders: Information for Global Epidemiology
Topic: *What Information Did You Need When You Last Deployed? Discovering the Information Needs of Disaster and Emergency Response Professionals*
Speakers: Alicia Livinski and Nancy Terry, NIH Library, National Institutes of Health, Bethesda, MD; Linda Spitzer and Alison Rollins, James A. Zimble Learning Resource Center, Uniformed Services University of the Health Sciences, Bethesda, MD
Time: 2:25 pm - 2:45 pm
Location: Cabinet, Concourse Level

Wednesday, May 26 (9:00 am - 10:30 am)

Session Title: Information Reform
Topic: *New Federal Information Requirements: Being Part of the Corporation's Solution*
Speaker: Betsy L. Humphreys, Deputy Director, National Library of Medicine, National Institutes of Health, Bethesda, MD
Time: 9:00 am - 9:45 am
Location: Cabinet, Concourse Level

Session Title: Health Information for Those Left Behind: Outreach and Services for the Disenfranchised, Marginalized, and Unconnected
Topic: *The Evolution of the American Indian Health Portal through Community Connections*
Speakers: Laura Bartlett, Outreach and Special Populations Branch, Specialized Information Services Division, National Library of Medicine, Bethesda, MD; Judith L. Rieke, Coordinator, American Indian Health User Group, National Library of Medicine, St. Paul, MN; and Gale Dutcher, Specialized Information Services Division, National Library of Medicine, Bethesda, MD
Time: 9:45 am - 10:05 am
Location: Jefferson West, Concourse Level

Session Title: Left/Right Brain: What Have You Been Thinking About Lately? (Session C)
Topic: *Entering the World of Online Collaboration: A Case Study of Librarians on EthicShare.org*
Speakers: Amy E. Donahue, NLM 2nd Year Associate Fellow, University of Minnesota Bio-Medical Library and Kate McCready, Wilson Information, Reference and Instruction Service, University of Minnesota, Minneapolis, MN
Time: 9:21 am - 9:37 am
Location: Monroe, Concourse Level

Session Title: Left/Right Brain: What Have You Been Thinking About Lately? (Session C)
Topic: *Health Information Portal: Collaborations and Enhancements*
Speakers: Kathleen Murray, Alaska Medical Library, University of Alaska, Anchorage, AK; Laura Bartlett, Outreach and Special Populations Branch, Specialized Information Services Division, National Library of Medicine, Bethesda, MD; and Paula R. Maez, NLM 2nd Year Associate Fellow, Briscoe Library, University of Texas Health Science Center, San Antonio, TX
Time: 10:09 am - 10:25 am
Location: Monroe, Concourse Level

Session Title: Electronic Health Record and Librarians: Potential Roles and Opportunities for Information Research
Topic: *Electronic Health Record Implementation*
Speaker: Theresa Cullen, Rear Admiral, Chief Information Officer, and Director, Office of Information Technology, U.S. Public Health Service, Indian Health Service, Albuquerque, NM
Time: 9:05 am - 9:21 am
Location: Lincoln West, Concourse Level

Session Title: Electronic Health Record and Librarians: Potential Roles and Opportunities for Information Research
Topic: *Consumers' Understanding of Medical Documents: Common Errors and Ways to Support Comprehension*
Speakers: Alla Keselman, Specialized Information Services Division, National Library of Medicine, Bethesda, MD; Catherine Arnott Smith, School of Library and Information Studies, University of Wisconsin, Madision, WI; Prudence Dalrymple, College of Information Science and Technology, Drexel University, Philadelphia, PA
Time: 10:09 am - 10:25 am
Location: Lincoln West, Concourse Level

Posters

MLA is presenting two types of posters this year. Lightning poster presentations are five-minute talks. The other poster presentations are for the entire time period indicated.

NIH, NLM, and NN/LM staff will be presenting the following posters at MLA:

Sunday, May 23 (4:30 pm - 6:00 pm)
Lightning Poster Presentation 1/Room 3
Location: Jefferson West, Concourse Level

Topic: *Information Disconnect: Gray Literature Challenges Experienced by Disaster and Emergency Responders*
Presenters: Alicia Livinski and Nancy Terry, NIH Library, National Institutes of Health, Bethesda, MD; Alison Rollins and Linda Spitzer, James A. Zimble Learning Resource Center, Uniformed Services University of the Health Sciences, Bethesda, MD
Time: 4:40 pm - 4:45 pm

Topic: *Patient Safety Answers Require Outreach, In-reach, and Partnerships*
Presenter: Holly Ann Burt, National Network of Libraries of Medicine, Greater Midwest Region, Library of the Health Sciences, University of Illinois, Chicago, IL
Time: 4:50 pm - 4:55 pm

Sunday, May 23 (4:30 pm - 6:00 pm)
Poster Presentation 1
Location: International Terrace, Terrace Level

Topic: *The Value of Hospital Libraries in New England*
Presentation Number: 8
Presenters: H. Mark Goldstein and Elaine R. Martin, National Network of Libraries of Medicine,

New England Region, The Lamar Soutter Library, University of Massachusetts Medical School, Worcester, MA
Time: 4:30 pm - 6:00 pm

Topic: *The Outreach Continuum: Expanding the Medical Librarian's Role*
Presentation Number: 26
Presenters: Mary E. Piorun and Jane Fama, Lamar Soutter Library; Elaine R. Martin, National Network of Libraries of Medicine, New England Region, The Lamar Soutter Library, University of Massachusetts Medical School, Worcester, MA; and Nancy La Pelle, University of Massachusetts Medical School, Worcester, MA
Time: 4:30 pm - 6:00 pm

Topic: *Observations about the Retraction of Biomedical Literature: An Analysis of Publications Cited in MEDLINE*
Presentation Number: 39
Presenters: Kathleen Amos, NLM 2nd Year Associate Fellow, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City, UT; and Lou Wave Snyder Knecht, Bibliographic Services Division, National Library of Medicine, Bethesda, MD
Time: 4:30 pm - 6:00 pm

Monday, May 24 (4:15 pm - 5:45 pm)
Lightning Poster Presentation 2/Room 2
Location: Georgetown East, Concourse Level

Topic: *The Laptop Librarian: Bringing Librarians to the Research Lab*
Presenters: Marci Brandenburg, Tracie Frederick, and Alan Doss, NCI Scientific Library, Wilson Information Services Corporation/National Cancer Institute, Frederick, MD
Time: 5:00 pm - 5:05 pm

Monday, May 24 (4:15 pm - 5:45 pm)
Lightning Poster Presentation 2/Room 3
Location: Cabinet, Concourse Level

Topic: *Search Clouds: Providing Daily Insight into the Health Information Needs of Consumers*
Presenters: Sarena Burgess and Wanda Whitney, Reference and Web Services, National Library of Medicine, Bethesda, MD
Time: 5:10 pm - 5:15 PM

Monday, May 24 (4:15 pm - 5:45 pm)
Lightning Poster Presentation 2/Room 1
Location: Jefferson West, Concourse Level

Topic: *Developing an E-science Portal for Librarians to Support Learning and Collaboration*
Presenter: Donna Kafel, Project Coordinator of eScience Project, National Network of Libraries of Medicine, New England Region, University of Massachusetts Medical School, Shrewsbury, MA
Time: 4:30 pm - 4:35 pm

Monday, May 24 (4:15 pm - 5:45 pm)
Poster Presentation 2
Location: International Terrace, Terrace Level

Topic: *Core Competencies for Disaster Information Specialists*

Presentation Number: 5
Speakers: Cynthia B. Love and Elizabeth F. Norton, Disaster Information Management Research Center, Specialized Information Services Division, National Library of Medicine, Bethesda, MD
Time: 4:15 pm - 5:45 pm

Topic: *Analyzing Disaster Health Information Sources: A Snapshot in Time*
Presentation Number: 8
Speakers: Elizabeth F. Norton, Cynthia B. Love, and Stacey J. Arnesen, Disaster Information Management Research Center, Specialized Information Services Division, National Library of Medicine, Bethesda, MD
Time: 4:15 pm - 5:45 pm

Topic: *How to Connect: Reflections on a Library's Order and Disorder*
Presentation Number: 9
Speakers: Jeanne M. Le Ber, Kathleen Ann Amos (NLM 2nd Year Associate Fellow) , Joan M. Marcotte Gregory, Nancy Lombardo, Mary McFarland, Jean P. Shipman, Joan M. Stoddard, Todd Vandenbark, Alice Weber, Mary E. Youngkin, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City, UT
Time: 4:15 pm - 5:45 pm

Topic: *Partnering to Develop a Tribal Consumer Health Information Center*
Presentation Number: 24
Speakers: Gale A. Dutcher, Division of Specialized Information Sciences, National Library of Medicine, Bethesda, MD and Carolyn Hill, Computercraft Corporation, McLean, VA
Time: 4:15 pm - 5:45 pm

Topic: *Using Citation Analysis to Assess the Impact of Biomedical Informatics Research*
Presentation Number: 30
Speakers: Kathleen Amos, NLM 2nd Year Associate Fellow, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City, UT
Time: 4:15 pm - 5:45 pm

Topic: *Comparing the Informationist to the Traditional Medical Librarian Using a Logic Model*
Presentation Number: 35
Speaker: Diane G. Cooper, Division of Library Services, National Institutes of Health, Bethesda, MD
Time: 4:15 pm - 5:45 pm

Tuesday, May 25 (3:30 pm - 5:00 pm)
Poster Presentation 3
Location: International Terrace, Terrace Level

Topic: *Biomedical Informatics and Medical Librarianship: Reflections on the Woods Hole Experience*
Presentation Number: 9
Speakers: Andrew Youngkin, Medical Library, Dixie Regional Medical Center, St. George, UT and Sharon Dennis, National Network of Libraries of Medicine, Midcontinental Region, Spencer S. Eccles Health Sciences Library, University of Utah, Salt Lake City, UT
Time: 3:30 pm - 5:00 pm

Topic: *The Effect of Free Access on Citations in the Vision Literature*
Presentation Number: 20
Speakers: Pamela C. Sieving, Information and Education Services, NIH Library, National Institutes

of Health, Bethesda, MD and Bette Anton, Fong Optometry and Health Sciences Library, University of California, Berkeley, CA
Time: 3:30 pm - 5:00 pm

Topic: *Connecting to the Past: Building for the Future*
Presentation Number: 25
Speakers: Patricia G. Hinegardner; M.J. Tooey, National Network of Libraries of Medicine, Southeastern Atlantic Region; Rich Behles; and Brad Gerhart, Health Sciences and Human Services Library, University of Maryland, Baltimore, MD
Time: 3:30 pm - 5:00 pm

Topic: *Can an Online Resource Package for "Others" Survive?*
Presentation Number: 26
Speakers: Alexa A. Mayo, Health Sciences and Human Services Library, University of Maryland, Baltimore, MD and M.J. Tooey, National Network of Libraries of Medicine, Southeastern Atlantic Region, Health Sciences and Human Services Library, University of Maryland, Baltimore, MD
Time: 3:30 pm - 5:00 pm

Topic: *The Role of Librarians in Health Care Reform: Enhancing Care by Connecting Librarians and Clinicians*
Presentation Number: 27
Speakers: Patricia J. Devine, Pacific Northwest Region, National Network of Libraries of Medicine, Seattle, WA and James E. Anderson, Physician Assistant, Orthopedics, Seattle Children's Hospital, Seattle, WA
Time: 3:30 pm - 5:00 pm

Topic: *Integrating Online Social Media and Community Outreach: Experiences and Lessons Learned*
Presentation Number: 30
Speakers: Paula R. Maez, NLM 2nd Year Associate Fellow and Julie K. Gaines, Briscoe Library, University of Texas Health Science Center, San Antonio, TX
Time: 3:30 pm - 5:00 pm

Topic: *Reaching Out: Community Participation in Developing a Culturally Relevant Resource*
Presentation Number: 31
Speakers: Laura Bartlett, Outreach and Special Populations Branch, Specialized Information Services Division, National Library of Medicine, Bethesda, MD; Judith Rieke, American Indian Health User Group, National Library of Medicine, St. Paul, MN; Gale Dutcher, Specialized Information Services Division, National Library of Medicine, Bethesda, MD; and Erich Longie, Spirit Lake Consulting, Spirit Lake Dakota Nation, Ft. Totten, ND
Time: 3:30 pm - 5:00 pm

Topic: *Arctic Health Website: An Information Portal to Issues Affecting the Health and Well-being of Our Planet's Northern-most Inhabitants*
Presentation Number: 35
Speakers: Kathleen Murray, Alaska Medical Library, University of Alaska, Anchorage, AK; Laura Bartlett, Outreach and Special Populations Branch, Specialized Information Services Division, National Library of Medicine, Bethesda, MD; and Paula R. Maez, NLM 2nd Year Associate Fellow, Briscoe Library, University of Texas Health Science Center, San Antonio, TX
Time: 3:30 pm - 5:00 pm

Topic: *Making New and Lasting Connections through Emerging Technology Brown Bag Sessions*
Presentation Number: 38

Speakers: Emily J. Hurst, National Network of Libraries of Medicine, South Central Region, HAM-TMC Library, Houston, TX; Luke E. Rosenberger, Kelley Minars, and Katherine A. Prentice, Libraries, University of Texas Health Science Center, San Antonio, TX
Time: 3:30 pm - 5:00 pm

NLM Theater Schedule

NLM Theater Schedule – Booth 115

A PDF version of the NLM Theater schedule is available at: http://www.nlm
http://www.nlm.nih.gov/exhibits/mla/2010/MLA_10_theater_flyer.pdf

Sunday, May 23

Noon	Disaster Health Information Update
12:30 pm	History of Medicine Update
1:00 pm	Health Services Research & Public Health Update
1:30 pm	UMLS® Review
2:00 pm	Using My Bibliography to Manage Compliance with the NIH Public Access Policy
2:30 pm	PubMed Review
3:00 pm	MedlinePlus Update
3:30 pm	MyMedicationList & RxNorm Update
4:00 pm	DailyMed® Update
4:30 pm	Introduction to NCBI Molecular Databases

Monday, May 24

10:00 am	Using My Bibliography to Manage Compliance with the NIH Public Access Policy
10:30 am	ClinicalTrials.gov Update
11:00 am	MyMedicationList & RxNorm Update
11:30 am	DailyMed Update
1:30 pm	MedlinePlus Update
2:00 pm	PubMed Review
2:30 pm	Drug, Toxicology, and Environmental Health Resources Update
3:00 pm	Disaster Health Information Update
3:30 pm	Health Services Research & Public Health Update
4:00 pm	Introduction to NCBI Molecular Databases
4:30 pm	History of Medicine Update

Tuesday, May 25

10:00 am	PubMed Review
10:30 am	Introduction to NCBI Molecular Databases

11:00 am	Disaster Health Information Update
11:30 am	ClinicalTrials.gov Update
Noon	History of Medicine Update
12:30 pm	MedlinePlus Update
1:00 pm	Drug, Toxicology, and Environmental Health Resources Update
1:30 pm	Using My Bibliography to Manage Compliance with the NIH Public Access Policy
2:00 pm	UMLS Review

Join Us

Please join us at these events! Additional information or changes to this information will be announced in the *NLM Technical Bulletin*.

By Janet Zipser
MEDLARS Management Section

Zipser J. 2010 MLA Meeting Reminder and NLM® Invitation. NLM Tech Bull. 2010 Mar-Apr;(373):e9.

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March 23, 2010 [posted]

NLM® Resource — Updated Toxicology and Environmental Health Page

[Editor's Note: This is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]

The National Library of Medicine® (NLM), Division of Specialized Information Services (SIS) has released an update for the Toxicology and Environmental Health (TEHIP) page.

One of the goals of the update was to make the site more approachable and understandable with the use of images, descriptions, and other tools. The site can now be navigated with less scrolling.

TEHIP maintains a comprehensive toxicology and environmental health information Web site that includes access to resources produced by it and by other government agencies and organizations. This Web site includes links to databases, bibliographies, tutorials, and other scientific and consumer-oriented resources. TEHIP also is responsible for the Toxicology Data Network (TOXNET®), an integrated system of toxicology and environmental health databases that are available free of charge on the Web.

Comments and feedback can be sent to http://sis.nlm.nih.gov/feedback.html or via tehip@teh.nlm.nih.gov

NLM® Resource — Updated Toxicology and Environmental Health Page. NLM Tech Bull. 2010 Mar-Apr;(373):e10.

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March 24, 2010 [posted]

NLM® Resource: Tox Town® — Bisphenol A (BPA) Page

[Editor's Note: This is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]

Tox Town, the National Library of Medicine® interactive guide to commonly encountered toxic substances, has released a Bisphenol A (BPA) page.

Information is provided on where and how one might be exposed to BPA in the environment and how exposure can affect one's health.

BPA is used to make lightweight, hard plastics and can be found in food and drink packaging and baby bottles. BPA can leach into food and beverages that are stored in these consumer products. More research is needed to determine how these findings affect human health.

The summary can also be found in Spanish at: http://www.toxtown.nlm.nih.gov/espanol/chemicals.php?id=70.

NLM® Resource: Tox Town® — Bisphenol A (BPA) Page. NLM Tech Bull. 2010 Mar-Apr;(373):e11.

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April 01, 2010 [posted]

Dr. John D. Halamka to Give the 2010 Joseph Leiter NLM®/MLA Lecture, May 26

"Knowledge Services and the Role of Medical Libraries in Healthcare IT"

John D. Halamka, MD, MS, will give the 2010 Joseph Leiter NLM/MLA Lecture on Wednesday, May 26, 2010, at 2:00 pm (ET) in the Lister Hill Center Auditorium at the National Library of Medicine®.

Dr. Halamka is the Chief Information Officer of Beth Israel Deaconess Medical Center and Chief Information Officer of Harvard Medical School. As Chief Information Officer of Beth Israel Deaconess Medical Center, he is responsible for all clinical, financial, administrative, and academic information technology serving 3,000 doctors, 14,000 employees and two million patients. As Chief Information Officer of Harvard Medical School, he oversees all educational, research, and administrative computing for 18,000 faculty and 3,000 students. He is also a practicing emergency medicine physician.

In addition, Dr. Halamka participates on several state and national committees. He serves as Chairman of the New England Healthcare Exchange Network, which oversees clinical and administrative data exchange in Massachusetts. Dr. Halamka is the current Chair of the US Healthcare Information Technology Standards Panel (HITSP) and co-Chair of the HIT Standards Committee, with the goals of coordinating the process of electronic standards harmonization among stakeholders nationwide.

The Lecture will be recorded and broadcasted live on the Web to Medical Library Association (MLA) members and the NIH community at http://videocast.nih.gov. A coffee/tea reception sponsored by the Friends of the National Library of Medicine will follow the Lecture at the Lister Hill Center lobby. Special NLM tours will be offered at 3:00 pm and 3:30 pm (ET), starting in the NLM Visitor Center.

The Joseph Leiter NLM/MLA Lecture was established in 1983 to stimulate intellectual liaison between the MLA and the NLM. Leiter was a major contributor in cancer research at the National Cancer Institute and a leader at NLM as a champion of medical librarians and an informatics pioneer. He served as NLM Associate Director for Library Operations from 1965 - 1983.

Directions to NLM and details about visiting NLM and the NIH campus are available at http://www.nlm.nih.gov/psd/ref/guide/rrdirect.html. Visitors enter the NIH campus through the NIH Gateway Center, the central location for registering and orienting visitors, and must provide one (1) form of identification (a government-issued photo ID — driver's license, passport, green card, etc.). The NIH Gateway Center is accessed from NIH Gateway Drive and is near the exit of the Metro system Medical Center stop. All visitors are encouraged to use

Metro or other public transportation if at all possible.

Dr. John D. Halamka to Give the 2010 Joseph Leiter NLM/MLA Lecture, May 26, "Knowledge Services and the Role of Medical Libraries in Healthcare IT." NLM Tech Bull. 2010 Mar-Apr;(373):e12.

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NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

April 05, 2010 [posted]
April 08, 2010 [Editor's note added]

Book Citations Added to PubMed® and Changes to Displays

[Editor's note: These changes were implemented in PubMed on April 6, 2010.]

PubMed will soon be enhanced to begin including citations for a subset of books available on the NCBI Bookshelf. The first books to be added are, *GeneReviews* and *Essentials of Glycobiology*. A citation will be included for both the book and each chapter or section of the book.

Summary Display Changes

In order to accommodate the book and book chapter citations, the PubMed Summary display will also be modified. PubMed citations may include one of the set of labels and links outlined below. The **Related articles** link will also be renamed to **Related citations**.

New copper-colored labels (Books & Documents, Free PMC Article, and Free Article) provide users with a quick and easy way to scan the Summary display to find text that is freely available. The blue Free text links display for PubMed Central articles and Bookshelf items (see Figure 1) and, when clicked, open a new browser page with full text. When Free Article is displayed, use the title link to the Abstract format to find a publisher icon link to full text.

Summary Label and Links

Book or book chapters:
Books & Documents Free text

PubMed Central articles:
Free PMC Article Free text

Articles available for free:
Free Article

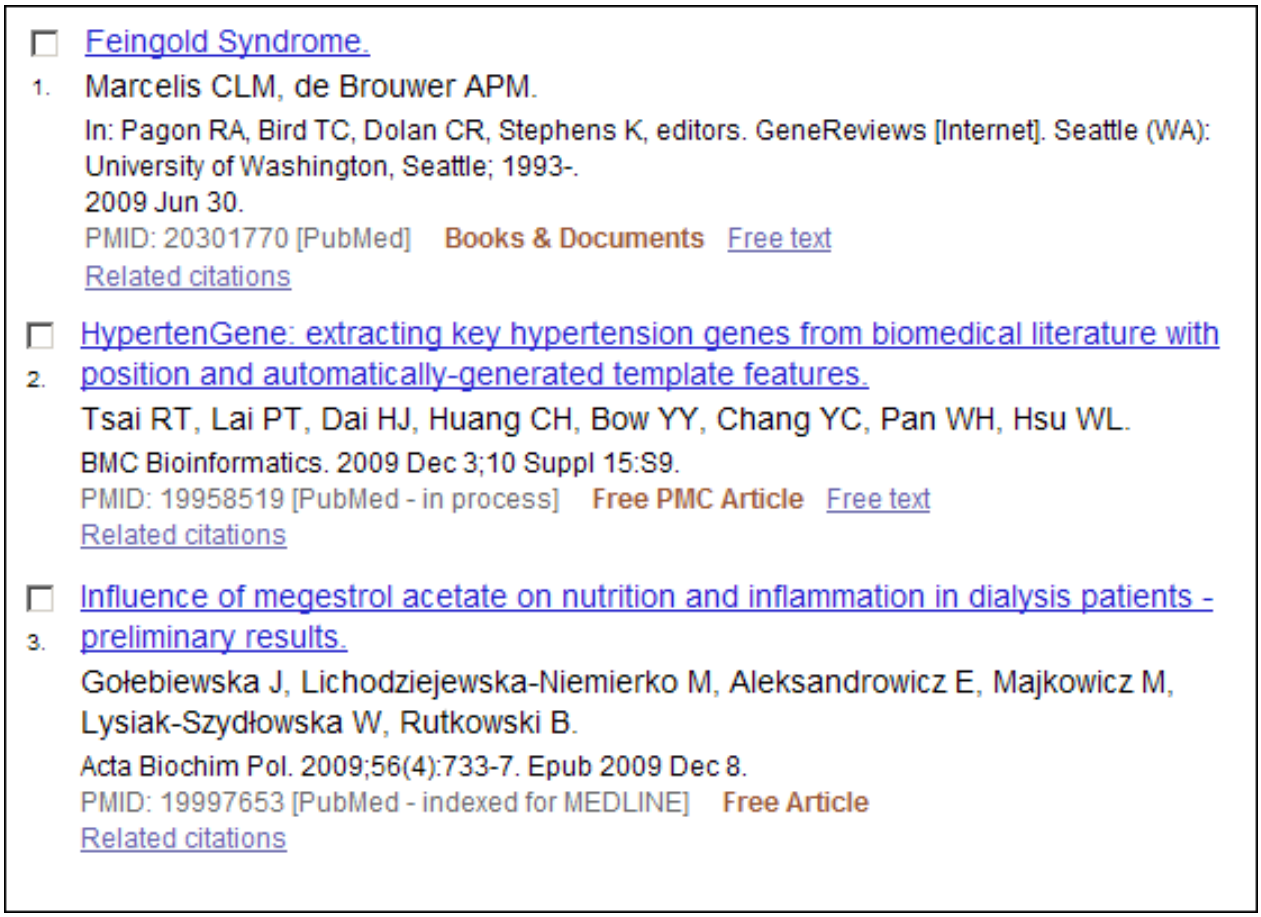

Figure 1: PubMed Summary display.

The Abstract display for Bookshelf items will include an icon link to the book or chapter, an excerpt if available, as well as links that go to the specific sections within the book text (see Figure 2). Note: The section link names are not part of the MEDLINE® display format and are not searchable.

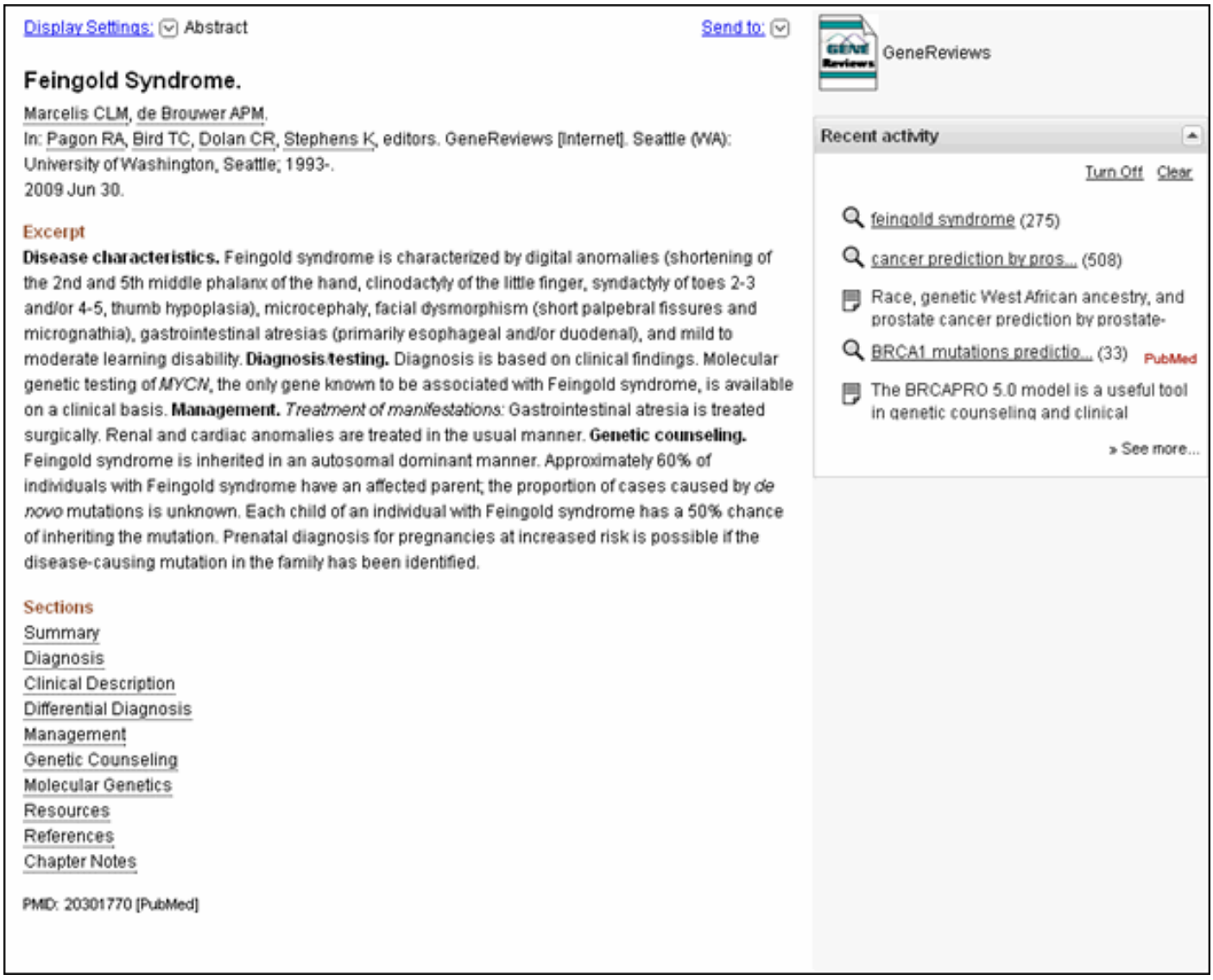

Figure 2: Abstract display with an icon link for a book chapter.

Searches and Book Citations

Records for books and book chapters are not included in MEDLINE and will not have MeSH® vocabulary terms, although some records may have terms in the Other Terms field. Searches that limit with MeSH terms, e.g., Humans, Review, and Child, will not retrieve book records. Citations for Bookshelf items will be included in retrieval — as are other PubMed records — according to what was searched. Records for Bookshelf items have the status tag [PubMed].

The following search terms can be used to retrieve the Bookshelf citations in PubMed, e.g., pmcbook feingold syndrome:

To retrieve books and chapters:	pmcbook
To retrieve books:	pmcbooktitle
To retrieve book chapters:	pmcbookchapter

New Fields

These new types of citations may have the following new fields:

Name of new field	Field Tag (MEDLINE format)	Search Tag
ISBN	ISBN	[isbn]
Editor	ED	[ed] or [editor]
Full Editor Name	FED	*not searchable*
Book title	BTI	[book]*
Volume title	VTI	*not searchable*
Edition	EN	*not searchable*
Collection title	CTI	*not searchable*

*The search tag [book] retrieves the citation for the book and all its chapters. To search for the citation for the book, not the chapters, combine the name of the book with pmcbooktitle, e.g., genereviews pmcbooktitle.

The text displayed under Excerpt resides in the Abstract field. The existing Article Identifier (AID) field will contain Bookshelf accession numbers with the label: [bookaccession].
Example:

AID - NBK7050 [bookaccession]

Note: The Entrez Utility programs (E-Utilities) will not retrieve book citations because their XML structure is different from PubMed citations. ESearch results will exclude book citations and the PMIDs will not be retrievable in EFetch. The DTDs will be updated in 2011 to accommodate both XML data structures, at which time E-Utilities will include book PMIDs.

Information for Authors and Publishers interested in participating in the Bookshelf project is available in Bookshelf Help.

By Kathi Canese
National Center for Biotechnology Information

Canese K. Book Citations Added to PubMed® and Changes to Displays. NLM Tech Bull. 2010 Mar-Apr;(373):e13.

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April 12, 2010 [posted]

Search Clinic: Building a PubMed® Search

A thirty-minute online search clinic will be presented by the NLM® via Adobe® Connect™ on Tuesday, April 20 at 1:00 pm ET. The presentation will cover the mechanics of the PubMed Search Builder page and how to use search tags.

For more information and access to the clinic, go to: http://www.nlm.nih.gov/bsd/disted/clinics/build.html. The clinic will be recorded and available for viewing at this address. Please note that, due to technical limitations, there is a maximum capacity of 300 participants permitted.

Comments and suggestions regarding the search clinic are welcome. For more training opportunities, see the National Training Center and Clearinghouse Web site and the NLM Distance Education Program Resources page. Watch for announcements of new training resources here in the *NLM Technical Bulletin*.

Search Clinic: Building a PubMed® Search. NLM Tech Bull. 2010 Mar-Apr;(373):e14.

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April 16, 2010 [posted]

New LinkOut® for Libraries Quick Tours

A three-minute Quick Tour, Library Submission Utility: Finding Journals, and a five-minute Quick Tour, Library Submission Utility: Entering Online Holdings Information are now available. These and other related Library Submission Utility Quick Tours can be viewed from the Training and Promotion section of theLinkOut for Libraries homepage and from the Distance Education Program Resources page. The Quick Tours require the Adobe Flash™ Player and were created using Qarbon's ViewletBuilder™.

By Elizabeth Frost
MEDLARS Management Section

Frost E. New LinkOut® for Libraries Quick Tours. NLM Tech Bull. 2010 Mar-Apr;(373):e15.

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NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

April 21, 2010 [posted]

New version of NLM® Radiation Event Medical Management

[Editor's Note: This is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]

A new version of the National Library of Medicine® (NLM) Radiation Event Medical Management (REMM) Web site has been released.

We strongly suggest you update any versions of REMM you have previously downloaded to your computer, USB drive, or mobile device.

- Download REMM (4/2010) to your computer or USB device
- Download Mobile REMM Version 1.2 (4/2010) to your mobile device
    - For Blackberry® (device reboot required)
    - For Windows Mobile®
    - For Palm OS®

If you have comments or questions, please contact the REMM team at nlmremm@mail.nih.gov

REMM is produced by the Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response, Office of Planning and Emergency Operations, in cooperation with the National Library of Medicine, Division of Specialized Information Services, with subject matter experts from the National Cancer Institute (NCI), the Centers for Disease Control and Prevention (CDC), and many US and internationalconsultants.

REMM provides:

- Guidance for health care providers, primarily physicians, about clinical diagnosis and treatment during mass casualty radiological/nuclear (rad/nuc) events
- Just-in-time, evidence-based, usable information with sufficient background and context to make complex issues understandable to those without formal radiation medicine expertise
- Web-based information that is also downloadable in advance, so that it would be available during an event if the internet is not accessible.

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NLM Technical Bulletin
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April 21, 2010 [posted]

NLM® Resources for Informing Comparative Effectiveness Research

Federal Initiatives

The American Recovery and Reinvestment Act (ARRA) of 2009 created the Federal Coordinating Council for Comparative Effectiveness Research to coordinate comparative effectiveness research across the federal government. The ARRA provides for $1.1 billion in funding for Comparative Effectiveness Research (CER) primarily through the Agency for Healthcare Research and Quality (AHRQ), the National Institutes of Health (NIH), and the Office of the Secretary of the Department of Health and Human Services (OS).

The Council defines CER as the:

> Conduct and synthesis of research comparing the benefits and harms of different interventions and strategies to prevent, diagnose, treat, and monitor health conditions in "real world" settings. The purpose of this research is to improve health by developing and disseminating information to patients, providers, and decision-makers, responding to their expressed needs about which interventions are most effective for which patients under specific circumstances. To provide this information, comparative effectiveness research must assess a comprehensive array of health-related outcomes for diverse patient populations and sub-groups. Defined interventions compared may include medications, procedures, medical and assistive devices, and technologies, diagnostic testing, behavioral change, and delivery system strategies. This research necessitates the development, expansion, and use of a variety of data sources and methods to assess comparative effectiveness and actively disseminate the results.

NLM Response

In response to ARRA, the National Library of Medicine® (NLM) has identified or developed new resources in the following domains: new MeSH® (Medical Subject Headings) terms, new coordinated search queries, and Webinars for the library/information intermediary community.

Additions to MeSH

NLM introduced the following MeSH terms in 2010 to assist in identification and retrieval of citations relating to ARRA, CER, and related research support:

> **American Recovery and Reinvestment Act**
> Public Law No: 111-5, enacted February 2009, makes supplemental appropriations for job preservation and creation, infrastructure investment, energy efficiency and science, assistance to the unemployed, and State and local fiscal stabilization, for fiscal year ending September 30, 2009.
> Year introduced: 2010

Comparative Effectiveness Research
Conduct and synthesis of systematic research comparing interventions and strategies to prevent, diagnose, treat, and monitor health conditions. The purpose of this research is to inform patients, providers, and decision-makers, responding to their expressed needs, about which interventions are most effective for which patients under specific circumstances. (hhs.gov/recovery/programs/cer/draftdefinition.html accessed 6/12/2009)
Year introduced: 2010

Research Support, American Recovery and Reinvestment Act [Publication Type]
Year introduced: 2010

New Coordinated Search Queries for PubMed®, Health Services Research Projects in Progress (HSRProj), and ClinicalTrials.gov

The NLM National Information Center on Health Services Research and Health Care Technology (NICHSR) is responsible for developing information services for the research and library communities involved in health services research and for coordinating clinical terminology and health data standards within the Department of Health and Human Services. Building on a recent initial analysis of the field of CER by AcademyHealth and the excellent work of information professionals who support the AHRQ Effective Health Care program as well as the work of the InterTASC Information Specialists' Sub-Group and existing PubMed queries, search filters to identify studies, both on-going and completed, for informing comparative effectiveness research in the NLM ClinicalTrials.gov, HSRProj, and PubMed databases have been developed (see Figure 1). This approach not only supports queries of the published literature, but also supports examination of current funding trends and research activities in the health and health services fields.

The URL for accessing these search filters is: http://www.nlm.nih.gov/nichsr/cer/cerqueries.html. A link is also available from the Special Queries page.

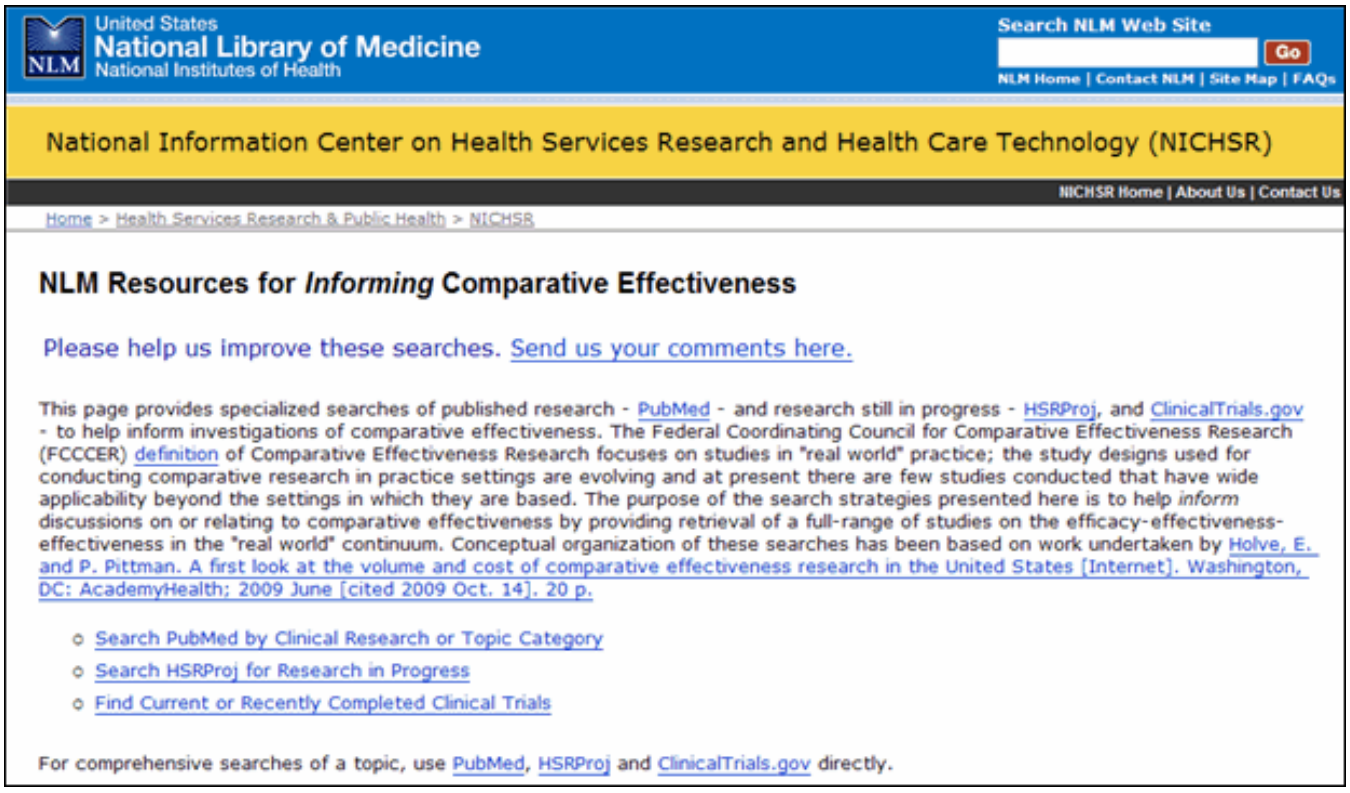

Figure 1: CER search page.

The audience for these search filters includes:

- Policy/Decision Makers — to help inform CER
- Practitioners — to help increase awareness of CER
- Health Services Researchers — to help frame CER questions
- Librarians/Information Specialists — to assist in systematic review and summarization efforts and in teaching students and users about information resources

PubMed CER Searches

The study designs used for conducting comparative effectiveness research in practice settings are evolving and at present there are few studies conducted that have wide applicability beyond the settings in which they are based. Efficacy Efficacy studies are generally at one end of the continuum of clinical study designs and are conducted in the "ideal world" in carefully selected patients or populations. Effectiveness studies are conducted under real conditions and involve patients seen in physician or hospital settings or are from specific populations. The purpose of the CER search strategies is to help inform discussions on or relating to comparative effectiveness by providing retrieval of a full-range of studies on the efficacy-effectiveness-comparative effectiveness in the "real world" continuum. Additionally, CER employs a range of research data methods and sources, e.g., randomized controlled trials (RCTs), observational studies (including natural experiments, disease registries, administrative data, and electronic health records (EHR)), and secondary research such as systematic reviews, meta-analyses and mathematical models, as shown in the conceptual model below (see Figure 2).

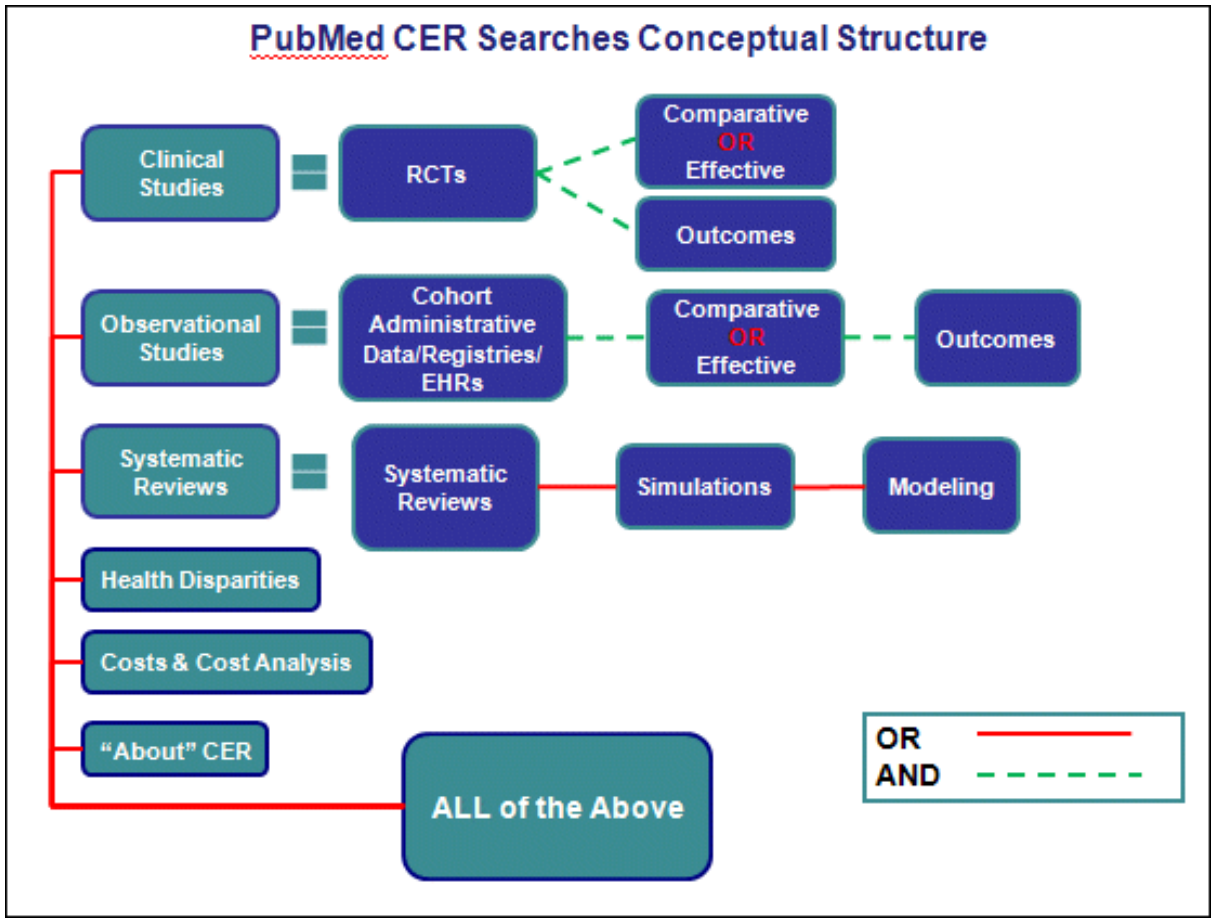

Figure 2: PubMed CER Searches Conceptual Structure.

To use the PubMed CER search queries, select a Research or Selected Topics category, enter a word or phrase in the search box, and click on the Go button (see Figure 3).

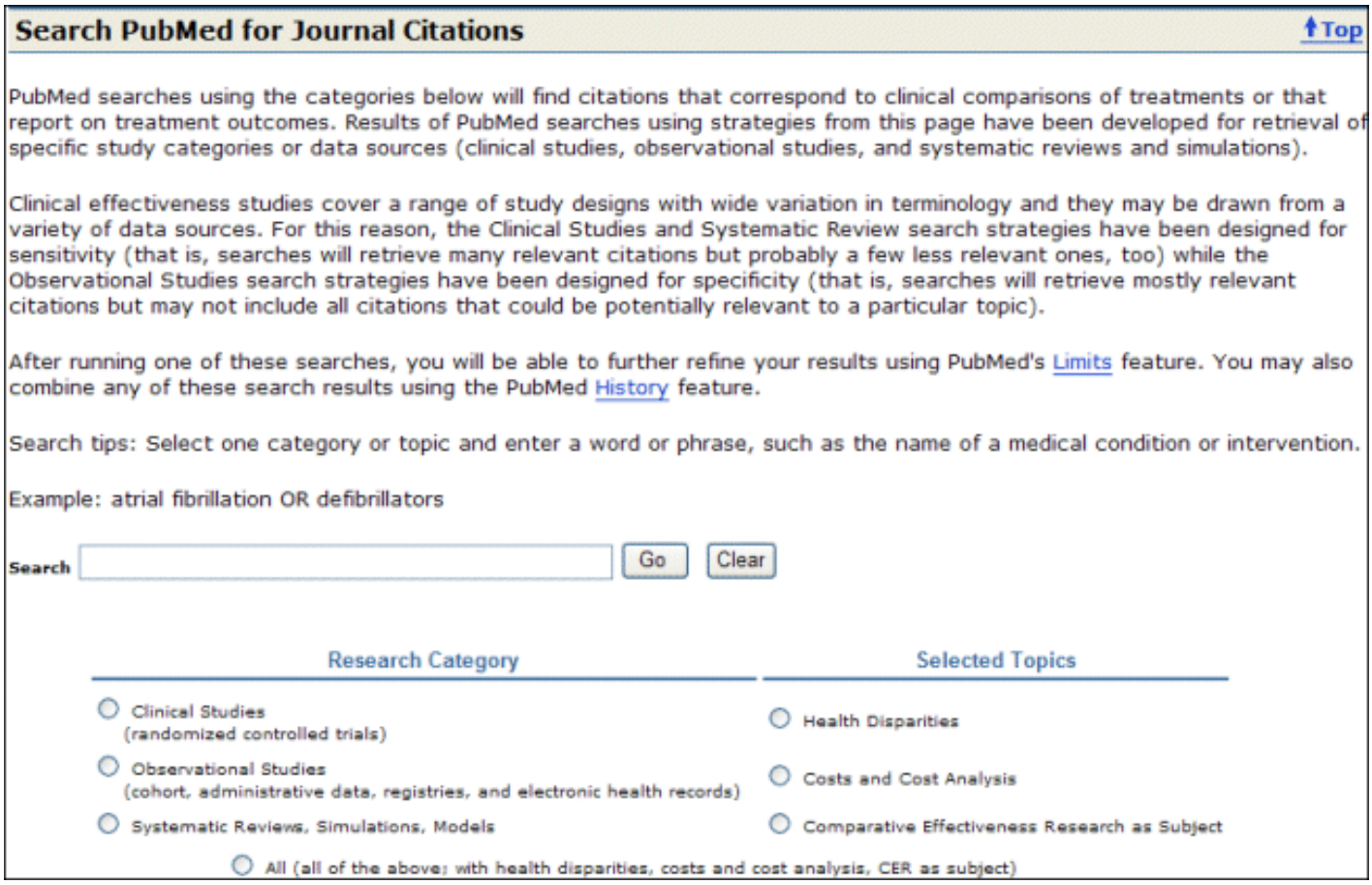

Figure 3: Search Box, and Research Category and Selected Topics buttons for PubMed CER searches.

Because federal efforts on CER focus on priority populations (populations underrepresented in clinical research), the PubMed special query search on Health Disparities has also been included, as have topic searches on Costs and Cost Analysis and citations "about" Comparative Effectiveness Research. Figure 3 shows the search box and the research categories and topic selections for PubMed. After running a search, the PubMed Limits, e.g., English language, can be easily applied to the retrieval if desired. Note also that the PubMed History feature can be used to combine search results and that the All search selection covers all research categories and topics combined.

An alternate search technique using a simplified one-word search of effectiveness, with the search tag, [sb], which corresponds to the All search category has been developed and can be used singly or in combination with other terms and/or MeSH headings when searching PubMed directly.

Example: atrial fibrillation AND effectiveness [sb]

On-going or Recently Completed Research for CER

HSRProj is a database of research project descriptions relating to access, costs, and quality issues in health care and public health. ClinicalTrials.gov contains descriptions of on-going or recently completed clinical trials and related research. Search boxes for HSRProj and ClinicalTrials.gov appear below the PubMed search area (see Figure 4). To

use the CER search queries for HSRProj or for ClinicalTrials.gov, go to the respective search box, enter a word or phrase, and click the Go button.

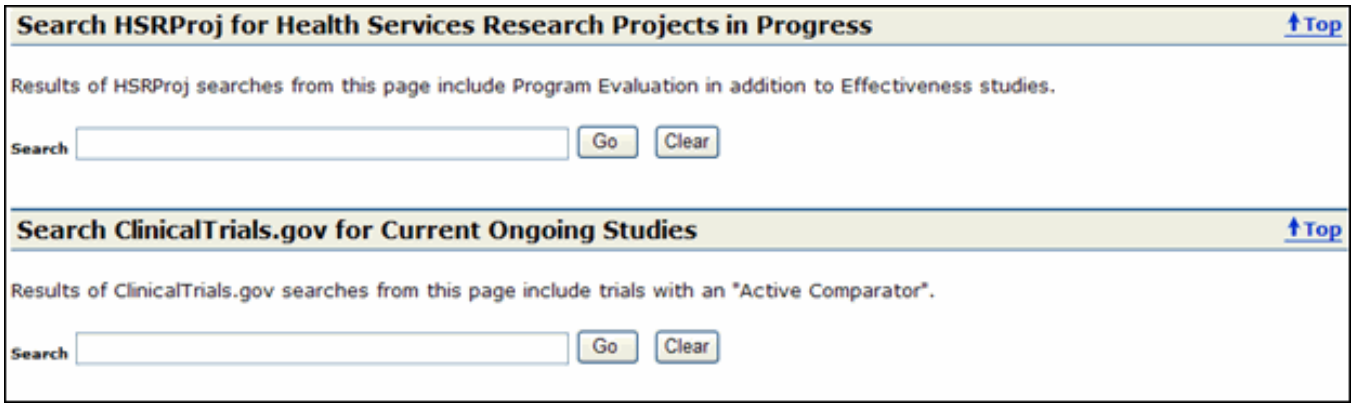

Figure 4: Search Boxes for HSRProj and ClinicalTrials.gov CER searches.

Strategies Used for the Searches

- Clinical effectiveness studies cover a range of study designs with wide variation in terminology; they may be drawn from a variety of data sources. For this reason, the Clinical Studies and Systematic Reviews search strategies have been designed for sensitivity (that is, searches will retrieve many relevant citations but probably a few less relevant ones, too) while the Observational Studies search strategy has been designed for specificity (that is, searches will retrieve mostly relevant citations but may not include all citations that could be potentially relevant to a particular topic).
- The Clinical Studies search strategy has been developed to retrieve citations that discuss comparisons of treatments OR that discuss treatment outcomes.
- The Observational Studies search strategy has been developed to retrieve citations that discuss comparisons of treatments AND that also discuss treatment outcomes.
- The CER Systematic Reviews, Simulations, Models strategy uses and expands on the existing PubMed Systematic Reviews search strategy to include simulations and models.
- The Health Disparities search uses the existing PubMed Health Disparities search strategy.
- The Costs and Cost Analysis search strategy is based on the Health Services Research query on Costs (Broad scope). It has been expanded beyond title and abstract words to include all text words.
- The search strategy on Comparative Effectiveness Research as Topic has been designed to retrieve citations "about" CER.
- The search strategy for HSRProj includes Program Evaluation studies in addition to health services research studies focusing on CER.
- The search strategy for ClinicalTrials.gov includes Phase III or IV clinical trials or observational studies with an active comparator.
- The search strategies discussed above are available here.

Note:
Indexing status affects retrieval. The PubMed CER searches have not been designed to retrieve in-process citations. This means that searches may not retrieve some relevant citations until they are indexed. Work to expand the searches

will be undertaken in the future.

Webinar and Feedback

NICHSR, working with AcademyHealth and the Medical Library Association, has developed a Webinar that provides details about the CER search queries, including sample searches. The archived version of the Webinar is available from http://www.academyhealth.org/Training/ResourceDetail.cfm?ItemNumber=4792&navItemNumber=2102.

The field of comparative effectiveness research is evolving. These search strategies have been developed as an initial starting point for people interested in CER. We hope they will be useful to help identify and gauge the volume of literature, to help frame questions, and until more advanced enhancements and mechanisms are in place to readily identify research about "what works, for whom, and under what conditions." We welcome feedback on the CER search queries and provide a short online feedback form from the CER search page. The queries will continue to have this feedback feature so that the searches can be refined as the field and its needs develop and evolve.

Work Cited:

Federal Coordinating Council for Comparative Effectiveness Research. Report to the President and the Congress, June 30, 2009. [Internet]. Washington, DC: The Council; 2009 [cited 2009 Oct. 14]. 73 p.http://www.hhs.gov/recovery/progra http://www.hhs.gov/recovery/programs/cer/cerannualrpt.pdf

Holve, E. and P. Pittman. A first look at the volume and cost of comparative effectiveness research in the United States [Internet]. Washington, DC: AcademyHealth; 2009 June [cited 2009 Oct. 14]. 20 p. http://www.academyhealth.org/files/FileDownloads/AH_Monograph_09FINAL7.pdf

For further discussion see also:

Knecht LS, Marcetich J. *Indexing the American Recovery and Reinvestment Act (ARRA) for MEDLINE®. NLM Tech Bull. 2009 Mar-Apr;(367):e14*. http://www.nlm.nih.gov/pubs/techbull/ma09/ma09_arra_tech_memo.html

Florance V. *American Recovery and Reinvestment Act (ARRA) of 2009. NLM Tech Bull. 2009 Mar-Apr;(367):e2* . http://www.nlm.nih.gov/pubs/techbull/ma09/ma09_arra.html

By Ione Auston
National Information Center on Health Services Research and Health Care Technology

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Auston I. NLM® Resources for Informing Comparative Effectiveness Research. NLM Tech Bull. 2010 Mar-Apr;(373):e17.

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NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

April 21, 2010 [posted]

NLM® to Discontinue Support of MedlinePlus® Go Local

On February 18, 2010, the National Library of Medicine® (NLM) announced to its partners that it would be discontinuing support for MedlinePlus Go Local (Go Local), and phasing the project out this year. NLM and Regional Medical Library staffs are working with the projects to determine the next steps for each of these sites. Go Local was created in partnership with libraries and library consortia to connect users of MedlinePlus to health services in their local communities and directs users of the Go Local Web sites to MedlinePlus health information.

For approximately ten years, NLM provided infrastructure support and minimal start-up funding to create and maintain Go Local projects around the United States. In 2001, Go Local was an exciting new service and many organizations around the country accepted the challenge of building and promoting local sites and providing what many considered a natural extension to existing library services. It was a service that our partner organizations supported and promoted to the extent possible, even with limited resources. Many Go Locals gained support from state and university officials and funding from external resources. Go Local sites, over thirty in number, provided excellent outreach services, opportunities for partnerships, and greater visibility for libraries in the local community. However, while a few Go Local sites managed to maintain an atmosphere of success, there were always concerns expressed by staff at the sites and at NLM, regarding the amount of staff time required to maintain each site, low use at many sites, the inability of some sites to keep records current, shrinking library budgets that resulted in fewer resources to support and sustain sites, and NLM inability to increase funding levels due to a tight federal budget.

In late 2009 and early 2010, NLM staff and Go Local partners began to examine the situation. The group did an environmental scan, identified goals and strategies, looked at use statistics, and had conference calls with the Go Local sites. The goals of the examination and subsequent recommendations were to find ways to decrease the level of effort required to maintain the sites while increasing the usefulness of Go Local to the public. In the end, the group could not find any recommended actions to reduce staff and maintenance efforts that would not involve a lot of up front work for site managers and NLM staff, with no guarantee that the efforts would increase usage.

Most importantly, we looked at the Go Local competition. In today's Internet environment, there are many comparable resources to an Internet health services directory such as Go Local. Internet search engines that people use daily, such as Google, Yahoo, and Bing, bring a wide range of health services listings to users, and many offer added value that Go Local cannot. These sites list provider-level directory information and can collect user reviews. Today's health insurance sites give insured users local practice details, such as hours, languages, fees, and quality ratings based on provider or facility performance measures that would require too much labor-intensive manual collection for Go Local to provide, but that our users have said they want in a health services site. Lastly, analysis of the use data revealed that those who do visit Go Local choose not to return, share with a friend, or bookmark the resource.

NLM staff at all levels wished this program could be reinvigorated and sustained, but the usage data were compelling.

There was no choice but to cease its support gradually. Today's Internet resources have surpassed what was an exceptional idea in 2001. Many sites are struggling to keep current; and data show that even strong outreach efforts yield relatively low use in return.

NLM thanks the hundreds of people who worked hard to build MedlinePlus Go Local, shared its many successes, and demonstrated the strength of the medical library community. A few sites have already chosen to close down, and more are planning to do so in the next few months. Some sites are creating their own local Web pages of health services for their users. This summer, NLM will remove all links to Go Local from the MedlinePlus Web site, and we expect to cease all Go Local support by the end of this year.

By Lori J. Klein
Reference and Web Services Section

Klein LJ. NLM® to Discontinue Support of MedlinePlus® Go Local. NLM Tech Bull. 2010 Mar-Apr;(373):e18.

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April 21, 2010 [posted]

PubMed® Homepage Modified

The PubMed homepage will soon be modified. The database description was edited to mention that PubMed includes citations for online books (see *Book Citations Added to PubMed® and Changes to Displays*). The graphic was reduced in size and some of the fonts and colors used were changed to more standard selections for Web pages. See Figure 1.

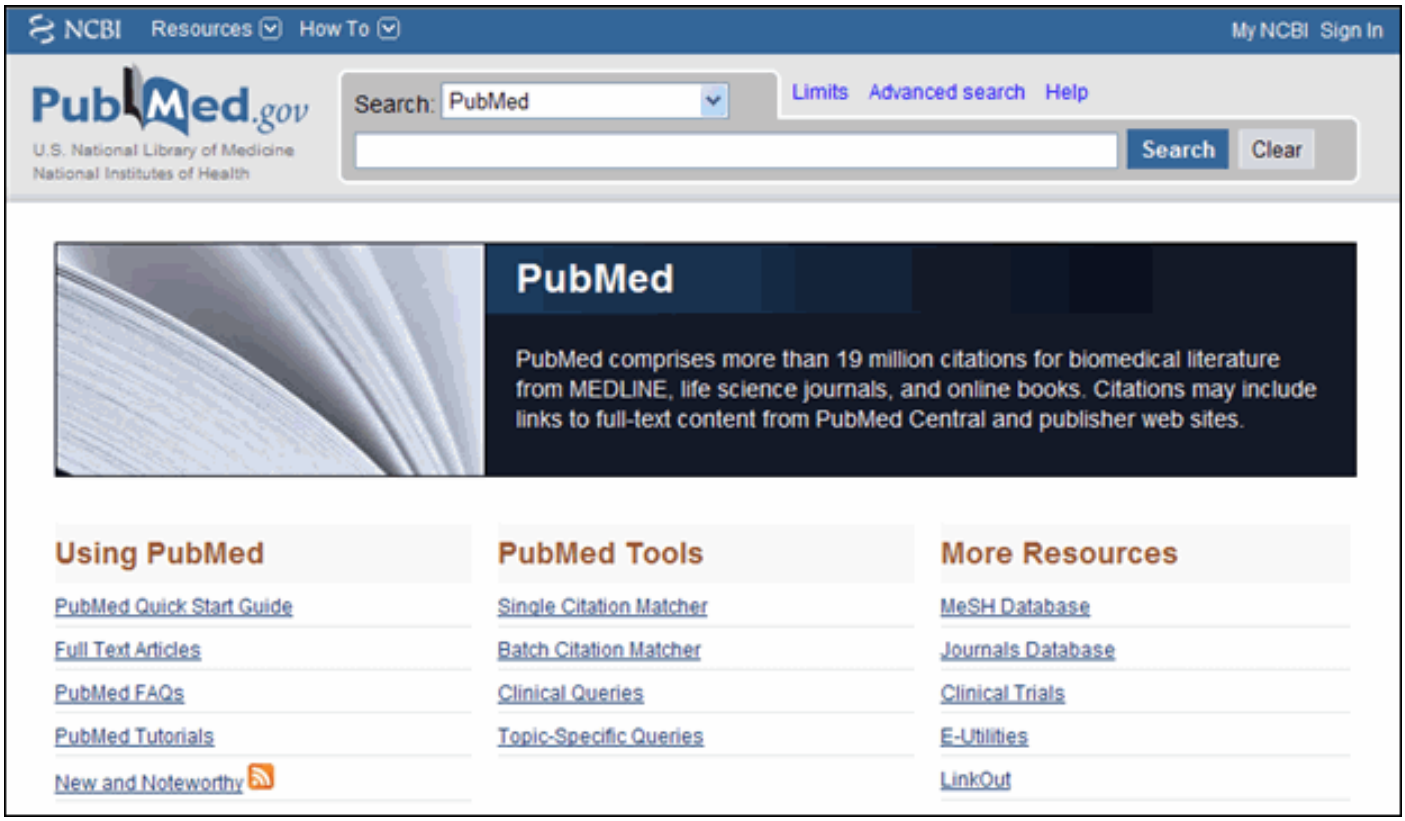

Figure 1: New PubMed Homepage (without footer).

By Annette M. Nahin
MEDLARS Management Section

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April 26, 2010 [posted]

NLM® Classification 2010 Edition

The *NLM Classification* will be available soon online at http://www.nlm.nih.gov/class/. It will incorporate all additions and changes to the schedules and index from April 2009 through March 2010. The PDF version will be updated with 2010 classification data by May 11, 2010.

The WX (Hospitals and Other Health Facilities) and WY (Nursing) were the major areas of focus for the 2010 edition.

Some WX and WY class number captions and notes were revised to better reflect the scope of the number. For example:

- At WX 11, the caption *General history of hospitals and the hospital movement* was changed to *History*.
- At WY 150, the caption *General works* was augmented with *Medical-surgical nursing*.
- At WY 156, the following note was added: *Classify here all oncologic nursing regardless of emphasis.*

Table G (geographic breakdown) is newly permitted with some additional WX and WY class numbers.

Class Numbers Added and Canceled

Twenty-two new class numbers were added and two class numbers were canceled.

Class Numbers Added —2010

New Number	Class Name	Former Number in the Index
General Medicine. Health Professions		
W 20.55.T7	Translational research	None

Practice of Medicine		
WB 55.M6	Mongolian traditional medicine	None
WB 556	Recreation therapy	None
Psychiatry		
WM 450.5.A6	Animal assisted therapy	None
WM 450.5.R4	Recreation therapy	None
WM 605	Criminal psychology and psychiatry	None
Radiology. Diagnostic imaging		
WN 190	Molecular imaging	None
Pediatrics		
WS 210	Chronic disease (General)	WS 200
WS 350.4	Play therapy	WS 350.2
Hospitals and Other Health Facilities		
WX 140.1	[Health facility design and construction] General coverage (Not Table G)	WX 140
WX 150.1	[Hospital Administration-General works] General coverage (Not Table G)	WX 150
WX 157.1	[Financial administration. Business management. Cost accounting] General coverage (Not Table G)	WX 157
WX 175	Computerized medical records	WX 173
WX 186	Disaster planning and response	WX 185
WX 216	Transportation of patients. Ambulance service	WX 215
Nursing		
WY 16.1	[Nursing as a profession. Peer review] General coverage (Not Table G)	WY 16
WY 88	Nurses' interpersonal relations	WY 87
WY 100.1	[General works on nursing procedures] General coverage (Not Table G)	WY 100
WY 115.1	[Home care services] General coverage (Not Table G)	WY 115
WY 152.2	Chronic disease nursing. Long-term care	WY 152
WY 152.3	Life support care. Terminal care	WY 152

WY 154.2	Emergency nursing	WY 154

Class Numbers Canceled—2010

Canceled Number	Class Name	Now Classed in
Parasitology		
QX 195	Cnidaria	Not applicable
Nursing		
WY 300	Nursing by country (Table G)	WY 100

Table G (Geographic Notations)

Two geographic cutters were added to the Historical Geographic Locations section of Table G (Geographic Notations)

- GA85—Austria-Hungary
- JO8—Ottoman Empire

Two cross references were added to the main section:

- North Korea see Korea
- South Korea see Korea

Other Changes to the Schedule

Class number captions were also revised in other schedules. For example:

- The header for QU was changed from *Biochemistry* to *Biochemistry. Cell Biology and Genetics* to better reflect the content of the schedule.
- At W 62, WM 62, WO 62, WS 105.5.I5, and WU 61, *social relations* was replaced with *interpersonal relations* in the caption.
- At QW 551, the caption was changed from *Acquired immunity. Artificial immunity* to *Adaptive immunity* to reflect more current usage.
- At QX 50, the caption was changed from *Protozoa* to *Unicellular eukaryota (General or not elsewhere classified)* to reflect the reclassification of organisms by MeSH®.
- Instructional notes were added or modified to clarify classification practices as needed, e.g., a note was added to WG 141.5.E2: *Classify works on fetal echocardiography in WQ 209.*

Changes to the Index

Eighty new index entries were created of which thirty-four are from the 2010 MeSH; the remainder are MeSH terms from previous years. All main index headings are linked to the 2010 vocabulary in the MeSH Browser.

Numerous main index entries and cross references were modified to reflect changes in the MeSH vocabulary. In particular, some major categories of index terms affected by MeSH changes were:

- Category B organisms, e.g., *Sarcodina* was deleted from the index.
- Category E terms, e.g., *Genetic Screening* changed to *Genetic Testing*.
- Specialty terms, e.g., the specialty *Chemistry, Analytic* was added and the technique term was changed from *Chemistry, Analytical* to *Chemistry Techniques, Analytical*. Where possible, a distinction is made between the classification of a specialty term versus a technique, phenomenon, or process term.

All index entries pertaining to the aforementioned schedule additions and changes were modified.

Index entries with Library of Congress T schedule numbers were reviewed for accuracy.

To learn more about the *NLM Classification* see the Fact Sheet.

By Sharon R. Willis
Cataloging Section, Technical Services Division

Willis SR. NLM® Classification 2010 Edition. NLM Tech Bull. 2010 Mar-Apr;(373):e20.

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April 27, 2010 [posted]

NLM® Resource Update: Toxicology

[Editor's Note: This is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]

Module I ("Introduction to Toxicology and Dose-Response") of the National Library of Medicine® (NLM) ToxLearn was recently released.

ToxLearn is a free, multi-module learning tool that provides an introduction to fundamental toxicological principles and concepts. It is a joint project of the National Library of Medicine and the Society of Toxicology.

Select terms in this resource are linked to a peer-reviewed glossary and quizzes are included. ToxLearn can be useful for users of NLM toxicology databases, undergraduates studying toxicology or related disciplines, and others seeking a basic understanding of the field.

ToxLearn is an update of NLM Toxicology Tutorials, which was designed to provide a basic understanding of toxicology as an aide for users of toxicology literature contained in the National Library of Medicine toxicological and chemical databases. ToxLearn will update and expand on that effort.

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ClinicalTrials.gov Quick Tours Available

NLM® announces seven Quick Tours on ClinicalTrials.gov. The following topics are included:

Basic Search (three minutes)
Clinical Study Details (two minutes)
Customize Your Display (two minutes)
Advanced Search (three minutes)
Refine a Search (two minutes)
Downloading Search Results (four minutes)
RSS Feed Setup for a Search (two minutes)

These Quick Tours are currently available on ClinicalTrials.gov from the Background Information page. Click on the Online Training link. You may also reach these Quick Tours from the Distance Education Program Resources page. These Quick Tours require the Adobe Flash™ Player and were created using the Qarbon ViewletBuilder™.

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