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New CMT Subset Available

New CMT Subset Available. NLM Tech Bull. 2014 Sep-Oct;(400):b12.

2014 October 15 [posted]

A new subset from Convergent Medical Terminology (CMT) is now available for download from the UMLS Terminology Services (UTS) by UMLS licensees. This new Pediatrics problem list subset includes 3792 concepts that Kaiser Permanente uses within the Pediatrics Problem List. The concepts for this subset are based on the January 2012 International Release of SNOMED CT.

For more information about CMT, please see the NLM CMT Frequently Asked Questions.

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Updated SNOMED CT Route of Administration Subset Available

Updated SNOMED CT Route of Administration Subset Available. NLM Tech Bull. 2014 Sep-Oct;(400):b11.

2014 October 14 [posted]

An updated SNOMED CT® Route of Administration Subset is now available for download. This Route of Administration (ROA) subset is derived from the September 2014 US Edition of SNOMED CT.

The ROA subset of SNOMED CT is a listing of terms related to the location of administration for clinical therapeutics. The purpose of this subset is for the documenting and encoding of clinical information regarding substance administration.

We welcome any questions, comments or suggestions that would improve the quality, accuracy and usability of the subset. Please send feedback to NLM Customer Service.

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NLM Resource Update: Drug Information Portal

NLM Resource Update: Drug Information Portal. NLM Tech Bull. 2014 Sep-Oct;(400):b10.

2014 October 09 [posted]

[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), Drug Information Portal is a free Web resource that provides an informative, user–friendly gateway to current drug information for over 53,000 substances. The Portal links to sources from the NLM, the National Institutes of Health (NIH), and other government agencies such as the U.S. FDA.

Current information regarding consumer health, clinical trials, AIDS–related drug information, MeSH pharmacological actions, PubMed biomedical literature, and physical properties and structure is easily retrieved by searching a drug name. A varied selection of focused topics in medicine and drug–related information is also available from displayed subject headings.

The Drug Portal retrieves by the generic or trade name of a drug or its category of usage. Records provide a description of how the drug is used, its chemical structure and nomenclature, and include up to 20 Resource Locators which link to more information in other selected resources. Recent additions to these Locators include clinical experience with drugs in PubMed Health, substances reviewed in NLM LiverTox, information from the Dietary Supplement Label Database, and drug images in the Pillbox beta database.

Data in the Drug Information Portal is updated daily and is also available on mobile devices.

More information can be found at http://www.nlm.nih.gov/pubs/factsheets/druginfoportalfs.html

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NLM Resource Update: WISER for iOS 3.1.1 Released & Important Ebola Resources. NLM Tech Bull. 2014 Sep-Oct;(400):b9.

2014 October 09 [posted]

[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.]

WISER e-mail list member:

1. **WISER for iOS Update**
   WISER for iOS 3.1.1 is now available. This new release provides full support for iOS 7 and above, introducing a new look and feel to match the latest iOS release.

   To find out "What's New," click here.

   WISER for iOS can be downloaded and installed directly from the Apple App Store:
   http://itunes.apple.com/us/app/wiser-for-ios/id375185381?mt=8

   Coming Soon
   Look for these exciting additions in the coming months:
   - WISER for iOS and WISER for Android 4.5, which adds chemical reactivity, triage procedures, and WISER full set of radiological tools to these mobile platforms
   - WISER 4.6, which will fully integrate the DOT Emergency Response Guidebook substances and update much of WISER backend data, including its HSDB (Hazardous Substances Data Bank) substance data

2. **Ebola Resources**
   We also wanted to take the opportunity at this time to inform you of some important resources you may find useful with the current Ebola situation, since it is becoming more of an international concern. Whereas ***we do have some information in WISER on Viral Hemorrhagic Fevers (of which Ebola is one of the agents)***, we would also like to point you to the following trusted resources for more current information that is pertinent to the current outbreak. *Please note that this Web-based information is much more current than our apps can be, since the situation evolves so rapidly.*

   - **NLM Ebola Information:**
     As a library, we collect, organize & disseminate information. The resources below contain links to many government, non-government, international, journal articles, situation reports, multi-language, maps, and social media information.
     - DIMRC Ebola Outbreak 2014: Information Resources page - http://disaster.nlm.nih.gov/dimrc/ebola_2014.html
     - *EMS & Ebola Guidance and Checklists* - http://disasterlit.nlm.nih.gov/search/?searchTerms=EMS+ebola&search.x=0&search.y=0&search=Search
       If you are looking for ***EMS guidance for Ebola***, we will show you the current guidance available here!

   - **DOT Guidance:**
     - DOT Guidance for Transporting Ebola Contaminated Items, a Category A Infectious Substance

   - **CDC Ebola information:**
     - Ebola (Ebola Virus Disease): http://www.cdc.gov/vhf/ebola/index.html
     - First Imported Case of Ebola Diagnosed in the United States: http://www.cdc.gov/vhf/ebola/outbreaks/2014-west-africa/united-states-imported-case.html
     - Information for Healthcare Workers: http://www.cdc.gov/vhf/ebola/hcp/index.html

     All the above pages have links on the left side of the page where you can get to information on signs/symptoms, transmission, risk of exposure, prevention, treatment, etc. Updates are occurring regularly, so check back to get the latest, or subscribe (using your e-mail address) to them for updates at:
     http://www.cdc.gov/Other/emailupdates/

Follow us on Twitter:

For disaster-related health information: @NLM_DIMRC
For environmental health & toxicology information: @NLM_SIS

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NCBI Webinar on E-Utilities on October 15, 2014

NCBI Webinar on E-Utilities on October 15, 2014. NLM Tech Bull. 2014 Sep-Oct;(400):b8

2014 October 03 [posted]
2014 November 17 [Editor's note added]

[Editor's Note: This is a reprint of an announcement published on the NCBI News page.]

[Editor's note added November 17, 2014: A recording of the Webinar and supporting Materials are available.]

On October 15th, 2014, NCBI will have a Webinar entitled "An Introduction to NCBI's E-Utilities, an NCBI API." E-Utilities is a tool to assist programmers in accessing, searching and retrieving a wide variety of data form NCBI servers.

This presentation will introduce you to the Entrez Programming Utilities (E-Utilities), the public API for the NCBI Entrez system that includes 40 databases such as Pubmed, PMC, Gene, Genome, GEO and dbSNP. After covering the basic functions and URL syntax of the E-utilities, we will then demonstrate these functions using Entrez Direct, a set of UNIX command line programs that allow you to incorporate E-utility calls easily into simple shell scripts.

Register here: https://attendee.gotowebinar.com/register/6052412748665434625

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NLM Resource Update: How Can NLM TOXMAP Be Used by Native Americans and Other Populations?

NLM Resource Update: How Can NLM TOXMAP Be Used by Native Americans and Other Populations? NLM Tech Bull. 2014 Sep-Oct;(400):b7.

2014 September 24 [posted]

[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.]

Although TOXMAP is not specifically designed for any one particular group, the Toxics Release Inventory (TRI) Program and Superfund Programs can be of interest to specific populations such as Native Americans by helping to find sources of chemical releases and contamination in locations of interest to them.

In the beta version of TOXMAP, click on the "Zoom to Location" icon, enter "reservation" or "rancheria" into the "Address or Place" search box, then click "Zoom to."

In TOXMAP classic click on "Zoom to a Place", enter "reservation" or "rancheria" into the "other place name" search box, then click "Submit". You can also overlay US Census data by race: "American Indian and Alaskan Native" (1990) or "One Race: American Indian and Alaska Native" and "Two or More Races Including American Indian and Alaska Native" (2000).

For more information, see the TOXMAP and Native American Populations page.

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SNOMED CT: International Medical Devices, July 2014 Available

SNOMED CT: International Medical Devices, July 2014 Available. NLM Tech Bull. 2014 Sep-Oct;(400):b6.

2014 September 24 [posted]

The SNOMED CT® International Medical Devices release is now available for download. The SNOMED CT International Medical Devices Project aligns SNOMED CT content with the Global Medical Devices Nomenclature (GMDN). This download is an addendum and can be imported alongside the July 2014 SNOMED CT International Edition. The release contains SNOMED CT medical devices content derived from the GMDN database as of July 31, 2014. No historical records have been retained from Technology Previews.

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NLM Resource Update: Environmental Health Student Portal Adds "Mercury and Our Health" Animation

NLM Resource Update: Environmental Health Student Portal Adds "Mercury and Our Health" Animation. NLM Tech Bull. 2014 Sep-Oct;(400):b5.

2014 September 17 [posted]

[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 Environmental Health Student Portal has added "Mercury and Our Health," an animation about the uses of mercury and how exposure can impact human health.

The animation introduces children to mercury and its basic properties, discusses mercury exposure routes, outlines health impacts of mercury, describes mercury containing products, discusses mercury contamination in the environment, outlines the proper disposal of mercury containing products, discusses bioaccumulation and mercury contamination of fish, and describes additional sources that children could use to find credible health information on mercury.

The Environmental Health Student Portal connects middle school students and science teachers with free, reliable, and engaging environmental health education resources. The Student Portal offers a diverse array of engaging educational materials such as videos, games and activities, lesson plans, experiments and projects, fun challenges, as well as additional resources for further reading.

- "Mercury and Our Health," NLMNIH YouTube Channel: https://www.youtube.com/watch?v=CTZzNjDryA4&list=UU0l4yG9XqYtrR4E9lpzk7Ow
- "Mercury and Our Health," Environmental Health Student Portal: http://kidsenvirohealth.nlm.nih.gov/subtopic/002/chemicals/017/mercury/
- Environmental Health Student Portal: http://kidsenvirohealth.nlm.nih.gov/

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NLM Resource Update: Household Products Database (HPD) Now Contains Over 14,000 Products

NLM Resource Update: Household Products Database (HPD) Now Contains Over 14,000 Products. NLM Tech Bull. 2014 Sep-Oct;(400):b4.

2014 September 12 [posted]

[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) Household Products Database (HPD) now contains over 14,000 products.

The latest update includes a new product category "Commercial/Institutional". Product manufacturers of the more than 300 products in this category use various descriptions, including professional grade, professional use, hospital grade and more. Users can locate products using the new "Commercial/Institutional" link under "Browse by Category" on the HPD homepage or by entering the category/description terms (e.g. commercial, institutional, professional, hospital) as a Quick Search.

The Household Products Database links over 14,000 consumer brands to health effects from Material Safety Data Sheets (MSDS) provided by manufacturers and allows scientists and consumers to research products based on chemical ingredients. The database is designed to help answer the following typical questions:

- What are the chemical ingredients and their percentage in specific brands?
- Which products contain specific chemical ingredients?
- Who manufactures a specific brand? How do I contact this manufacturer?
- What are the acute and chronic effects of chemical ingredients in a specific brand?
- What other information is available about chemicals in the toxicology-related databases of the National Library of Medicine?

Information in the Household Products Database is from a variety of publicly available sources including brand-specific labels and Material Safety Data Sheets when available from manufacturers and manufacturers' Web sites.

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NLM Resource Update: Haz-Map Adds 497 New Agents

NLM Resource Update: Haz-Map Adds 497 New Agents. NLM Tech Bull. 2014 Sep-Oct;(400):b3.

2014 September 12 [posted]

[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) has updated Haz-Map with 497 new agents. It now covers 10,133 biological and chemical agents.

Haz-Map is an occupational health database designed for health and safety professionals and for consumers seeking information about the health effects of exposure to chemicals and biologicals at work. Haz-Map links jobs and hazardous tasks with occupational diseases and their symptoms.

More information can be found at http://www.nlm.nih.gov/pubs/factsheets/hazmap.html.

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New US Edition of SNOMED CT, Mapping File, and CORE Subset Downloads Available

New US Edition of SNOMED CT, Mapping File, and CORE Subset Downloads Available. NLM Tech Bull. 2014 Sep-Oct;(400):b2.

2014 September 03 [posted]

NLM announces the release of three new SNOMED CT® downloads:

1. The September 2014 US Edition of SNOMED CT is now available for download. The September release includes 378 new concepts specific to the US, as well as all of the content from the July 2014 International Release of SNOMED CT. The US Edition is the official source of SNOMED CT for use in US healthcare systems.
2. The updated SNOMED CT to ICD-10-CM mapping file is available for download. The file can be obtained through the US Edition release or on the mapping file downloads page. Please note that as of September 2014, the mapping file will be available through the US Edition of SNOMED CT. For future releases, users should download the US Edition to obtain the SNOMED CT to ICD-10-CM mapping file.
3. The updated CORE Subset of SNOMED CT is available for download. It is based on the July 2014 International Release of SNOMED CT and 2014AA UMLS Release.

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New VSAC Tutorial Available: Updating Value Sets

New VSAC Tutorial Available: Updating Value Sets. NLM Tech Bull. 2014 Sep-Oct;(400):b1.

2014 September 03 [posted]

NLM is pleased to announce a new Value Set Authority Center (VSAC) tutorial: Updating Value Sets.

The tutorial is available as a link from the UMLS Video Learning Resources page, the NLM Distance Education Resources page, and is posted at the NLM YouTube site.

Additional tutorials designed to assist users with VSAC and VSAC authoring tools are in development. We encourage comments about the tutorial and suggestions for further topics. Please send comments, questions, and suggestions to NLM Customer Service.

The NLM Value Set Authority Center is developed by NLM in collaboration with Office of the National Coordinator for Health IT (ONC) and the Centers for Medicare & Medicaid Services (CMS) to provide searchable access to value sets that are used to define concepts used in clinical quality measures, and to support effective health information exchange and many other biomedical informatics applications and programs. Since October 2013, VSAC also offers the Authoring Tool that allows users to author value sets.

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NLM Releases RxClass Drug Class Application

McLaughlin P. NLM Releases RxClass Drug Class Application. NLM Tech Bull. 2014 Sep-Oct;(400):e13.

2014 October 22 [posted]

RxClass is a new application from researchers in the Lister Hill National Center for Biomedical Communications (LHNCBC) at the National Library of Medicine (NLM). RxClass allows users to search and browse drug classes and their RxNorm drug members through a simple Web interface (see Figure 1). Unlike RxNav, a related application from NLM LHNCBC which focuses on browsing and searching individual RxNorm drugs, RxClass provides a class-centric view of the drug information in RxNorm.

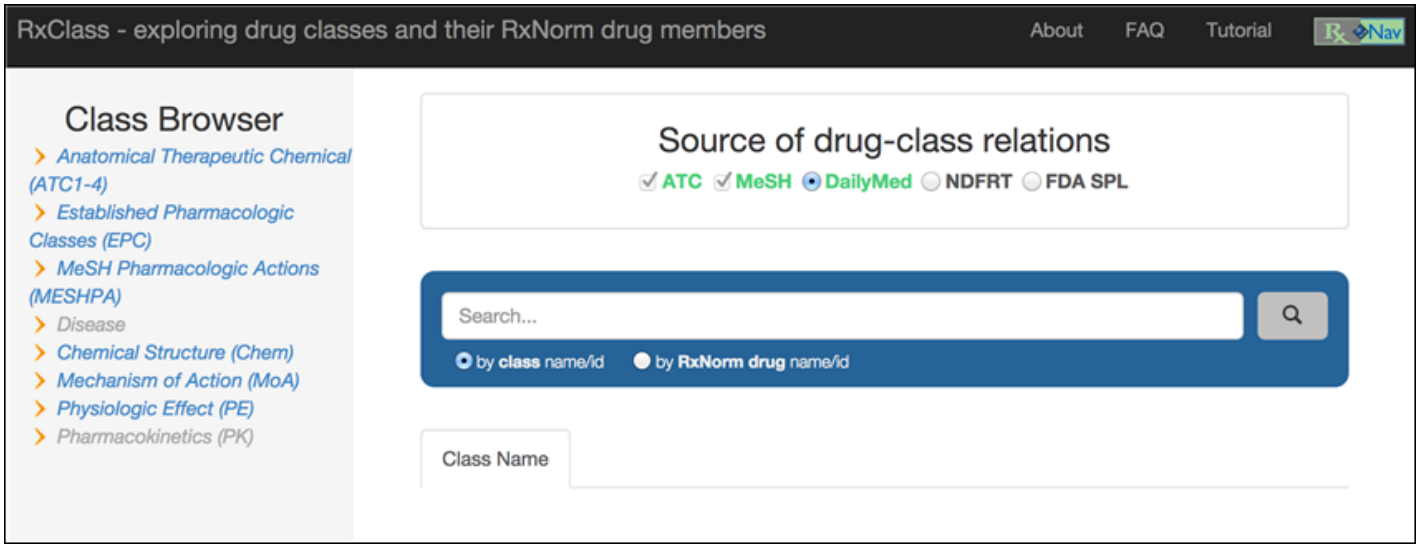

Figure 1: RxClass Homepage.

Drug Class Sources
RxClass includes drug classes from the following data sources:

- ATC - The Anatomical Therapeutic Chemical (ATC) drug classification is a resource developed for pharmacoepidemiology purposes by the World Health Organization Collaborating Centre for Drug Statistics Methodology.
- MeSH - The Medical Subject Headings (MeSH), developed by NLM, provides a rich description of pharmacological actions for the purpose of indexing and retrieval of biomedical articles.
- NDFRT - The National Drug File-Reference Terminology (NDFRT), developed by the Department of Veterans Affairs (VA), provides clinical information about drugs, such as therapeutic intent and mechanism of action. RxClass includes six sets of NDFRT drug classes:
    1. Established Pharmacologic Classes (EPC)
    2. Chemical Structure (Chem)
    3. Disease
    4. Mechanism of Action (MoA)
    5. Physiologic Effect (PE)
    6. Pharmacokinetics (PK)

Drug Class Relationship Sources
RxClass includes five sources which assert relationships between drugs and drug classes from ATC, MeSH, and NDFRT:

1. ATC - provides relationships between ATC drugs and ATC drug classes.
2. MeSH - provides relationships between MeSH drugs and MeSH pharmacologic actions.
3. DailyMed - provides relationships between substances in DailyMed Structured Product Labels (SPLs) and NDFRT EPC, Chem, MoA, and PE classes.
4. NDFRT - provides relationships between NDFRT drug concepts and NDFRT Chem, Disease, MoA, PE, and PK classes.
5. FDA SPL - provides relationships between NDFRT drug concepts mapped to DailyMed SPL substances and NDFRT EPC, Chem, MoA, and PE classes.

Drug Source
RxClass includes drugs from the sources mentioned above, which are mapped to ingredients (IN), precise ingredients (PIN), and multiple ingredients (MIN) in RxNorm. RxNorm is a normalized naming system for generic and branded drugs developed by NLM to allow computer systems in hospitals, pharmacies, and other organizations to communicate drug-related information efficiently and unambiguously.

Browse Drug Classes
RxClass provides a simple tree browser for navigating through drug class hierarchies. You can click on the orange arrow next to a class to reveal its

subclasses in the tree. Clicking on the name of a drug class populates the results area under the search box with the members of that class, if applicable, and the name, source identifier, class type, and contexts for that class (see Figure 2).

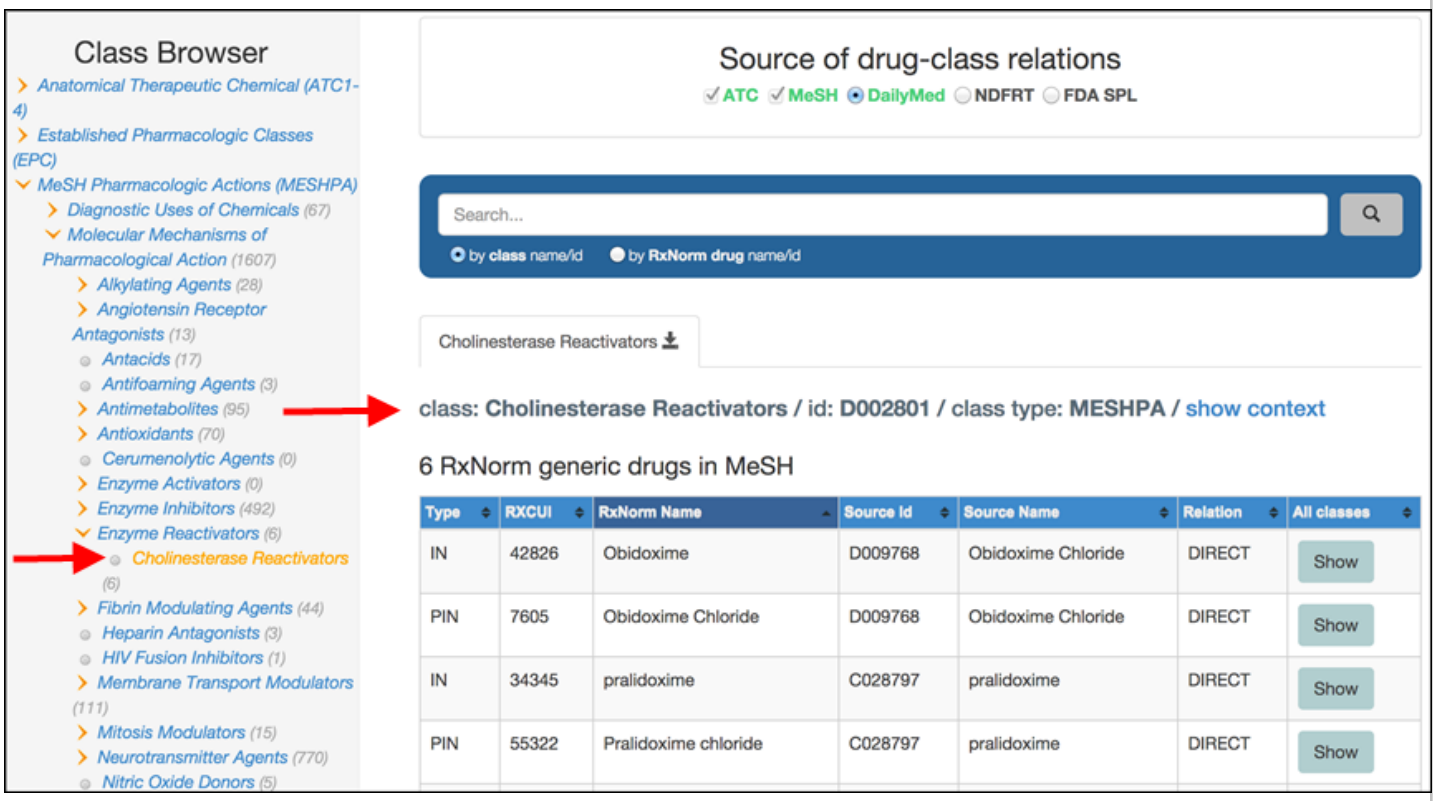

Figure 2: RxClass Class Browser. Navigate drug classes by clicking the arrows or class names.

Search by Drug Class/RxNorm Drug
RxClass also provides access to drug classes and their RxNorm drug members through a simple search box (see Figure 3). You can search RxClass by:

1. Drug class name or source identifier
2. RxNorm drug name or RxNorm identifier (RXCUI)

For drug classes and RxNorm drugs in multiple contexts, RxClass presents all of the contexts, allowing you to select the desired drug class context to populate the results area.

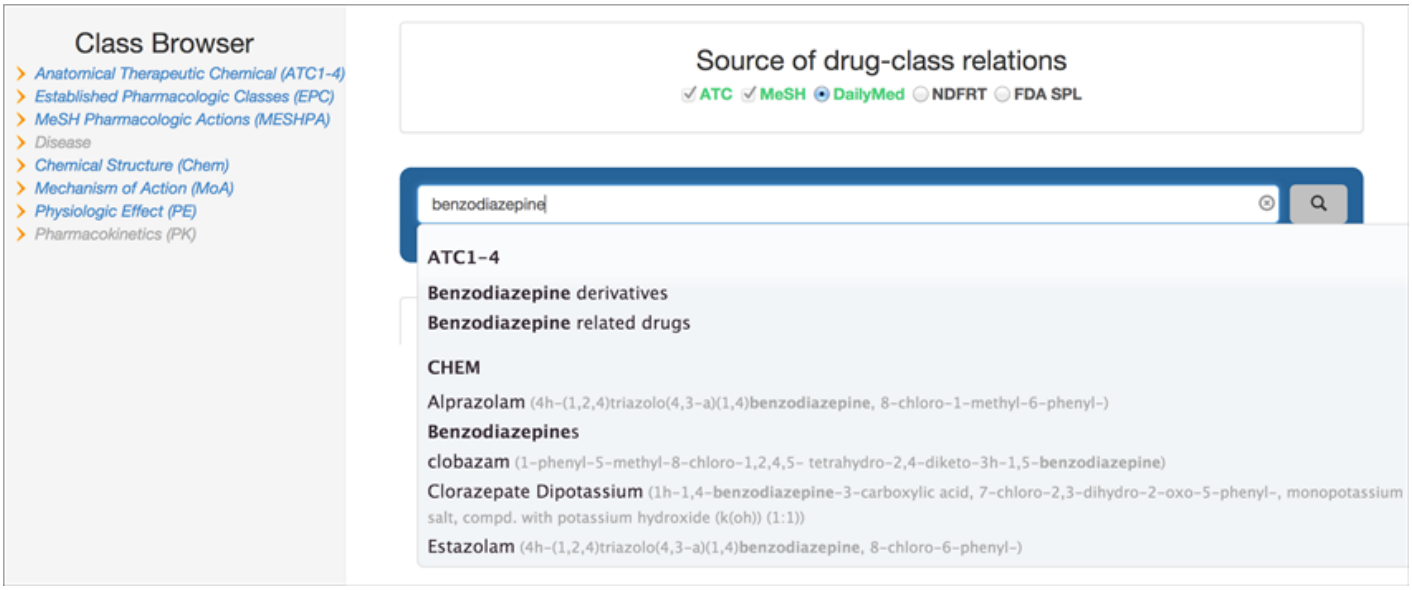

Figure 3: Search RxClass by drug class or RxNorm drug name.

Results Display
When browsing or searching RxClass, the results display is populated with the drug class you selected and the RxNorm drugs that belong to the class (see Figure 4). For each RxNorm drug, RxClass displays the:

- Type (RxNorm term type)

- RXCUI
- RxNorm Name
- Source ID (Unique identifier from drug class source)
- Source Name (Name from drug class source)
- Relation (Relationship between the drug and the selected drug class (direct or indirect))
- All classes (All drug classes of which this drug is also a member)

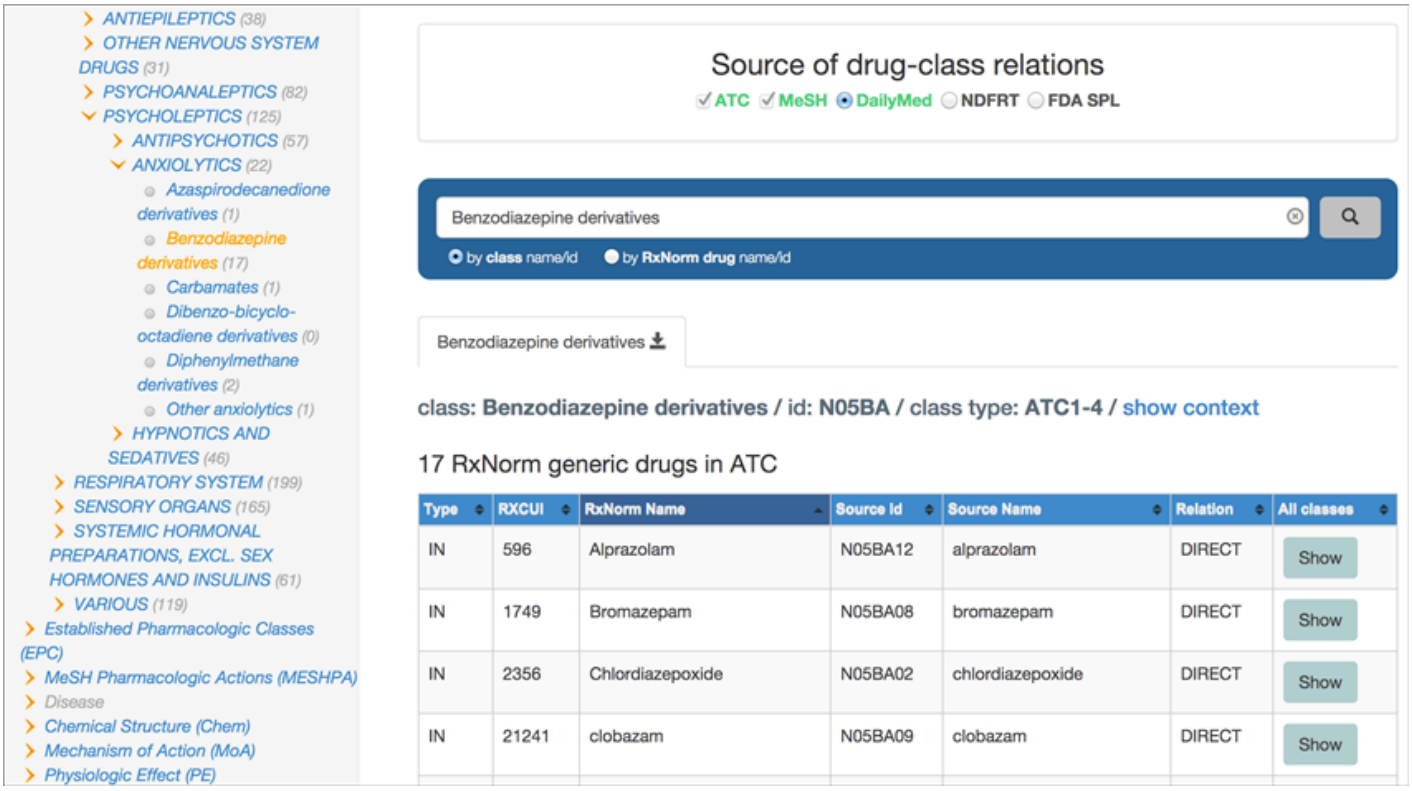

Figure 4: RxClass results display: Shows RxNorm and drug class source data for your results.

Application Programming Interface (API)
Behind the RxClass Web application is a set of API functions. The RxClass API can be used independently for integrating drug class information into programs.

See the RxClass Overview and RxClass FAQ for more information about browsing and searching drug classes on RxClass. An RxClass turorial is forthcoming.

For questions, comments or feedback about these resources, please contact us at rxnavinfo@list.nih.gov.

By Patrick McLaughlin
MEDLARS Management Section

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MedlinePlus Mobile Update: Full Access from Your Phone

Jentsch J, Huston M, Robison R. MedlinePlus Mobile Update: Full Access from Your Phone. NLM Tech Bull. 2014 Sep-Oct;(400):e12.

2014 October 22 [posted]

The National Library of Medicine (NLM) released new versions of the MedlinePlus and MedlinePlus en español mobile sites in October 2014. The mobile sites can be accessed at http://m.medlineplus.gov and http://m.medlineplus.gov/spanish/, respectively (see Figure 1).

Like the original 2010 versions, these newly redesigned sites are optimized for mobile phones and tablets. Unlike the original mobile sites that contained only a subset of the information available on MedlinePlus, the new sites have all the content that you will find on MedlinePlus and MedlinePlus en español. They also have an improved design for easier use on mobile devices.

Figure 1: New mobile homepage designs for MedlinePlus and MedlinePlus en español.

Features of the New Mobile Sites

The key features of the redesigned mobile sites are:

- Access to all the content available on MedlinePlus and MedlinePlus en español (see Figure 2)
- Improved navigation using menus to access search and major areas of the site (see Figures 2 and 3)
- Enhanced page navigation with the ability to open and close sections within pages (see Figure 4)
- Updated look and feel with a refreshed design

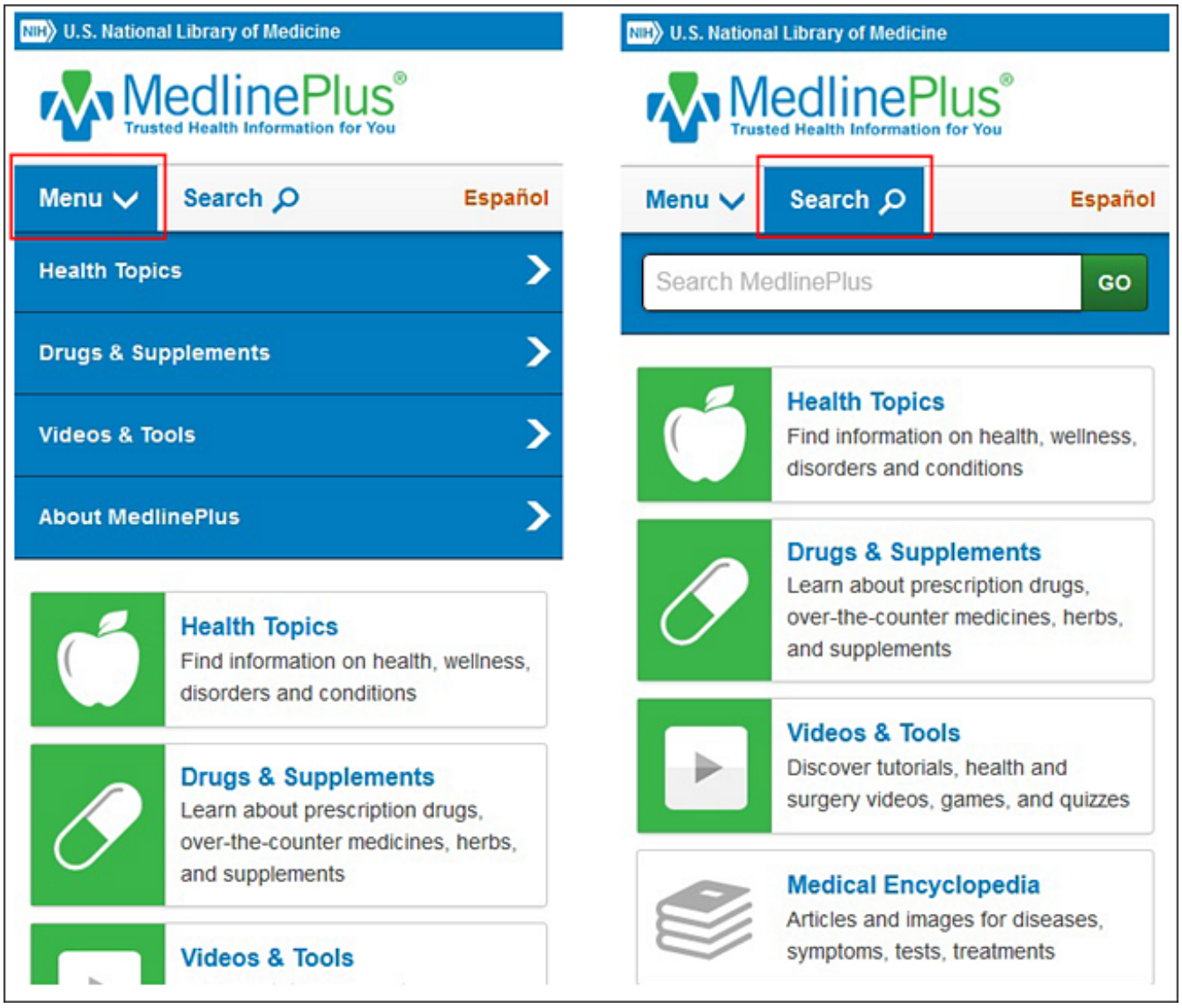

Figure 2: Use the menus to access major content areas of the site and the site search.

Figure 3: A health topic page on your mobile device.

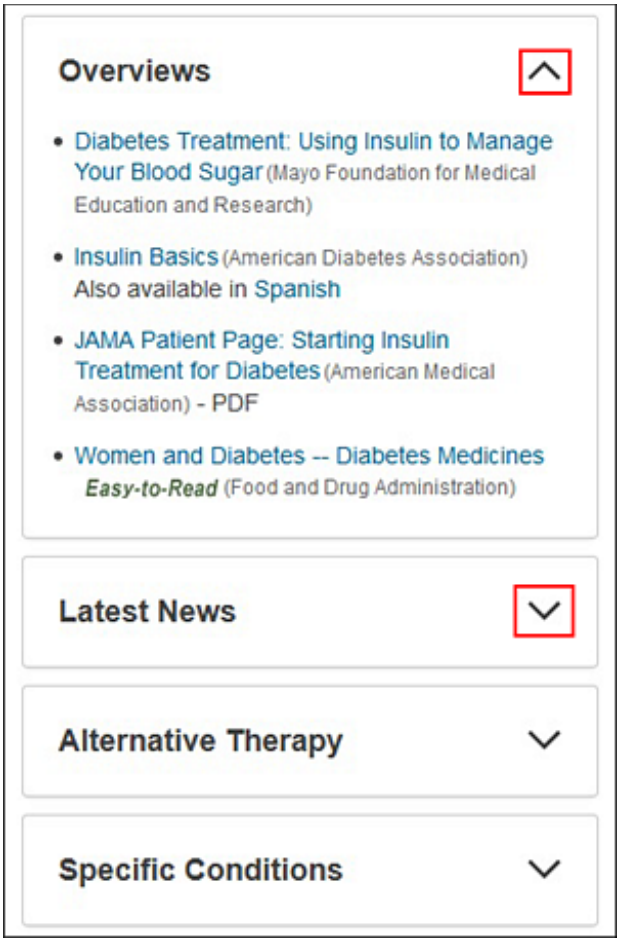

Figure 4: Open and close sections of the page for easier reading on a mobile device.

You can access the mobile version of any page on MedlinePlus by clicking the "Mobile version" ("Versión móvil") link in the page footer. The "Desktop version" ("Ver página no optimizada para móviles") link in each mobile page footer takes you to the same page on the current "desktop" site.

Responsive Design for MedlinePlus

The release of the new mobile version is the first phase in a plan to redesign MedlinePlus and MedlinePlus en español to behave responsively. Responsively-designed websites automatically change their layouts to fit the screen of the device on which they are viewed, whether that is a large desktop monitor or a small mobile touchscreen. A user viewing a responsive site on a mobile phone will be able to navigate and search with a minimum of scrolling or zooming.

In the next phase, the MedlinePlus team will launch a fully responsive design that will allow for a consistent user experience from any point of access, whether desktop, tablet, or phone. This will remove the need for separate mobile sites for MedlinePlus and MedlinePlus en español. NLM will release fully responsive versions of MedlinePlus and MedlinePlus en español in Spring 2015. Following that release, NLM will retire the mobile URLs (m.medlineplus.gov, m.medlineplus.gov/spanish). Users will then have one destination for MedlinePlus (www.medlineplus.gov or www.medlineplus.gov/spanish) when using any device.

Until then, try out the first offering of the MedlinePlus responsive design on your smartphone. Visit the latest versions of MedlinePlus Mobile in English and in Spanish.

By Jennifer Jentsch, Melanie Huston, and Rex Robison
Public Services Division

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PubMed Mobile Update

Canese K. PubMed Mobile Update. NLM Tech Bull. 2014 Sep-Oct;(400):e11.

2014 October 03 [posted]
2014 November 04 [Editor's note added]

[Editor's note: These features and modifications were implemented on October 27, 2014.]

PubMed Mobile will soon be updated with a variety of new features and modifications.

Highlights include a restyled homepage and modified query box (see Figure 1). Auto-suggest has been added to the query box.

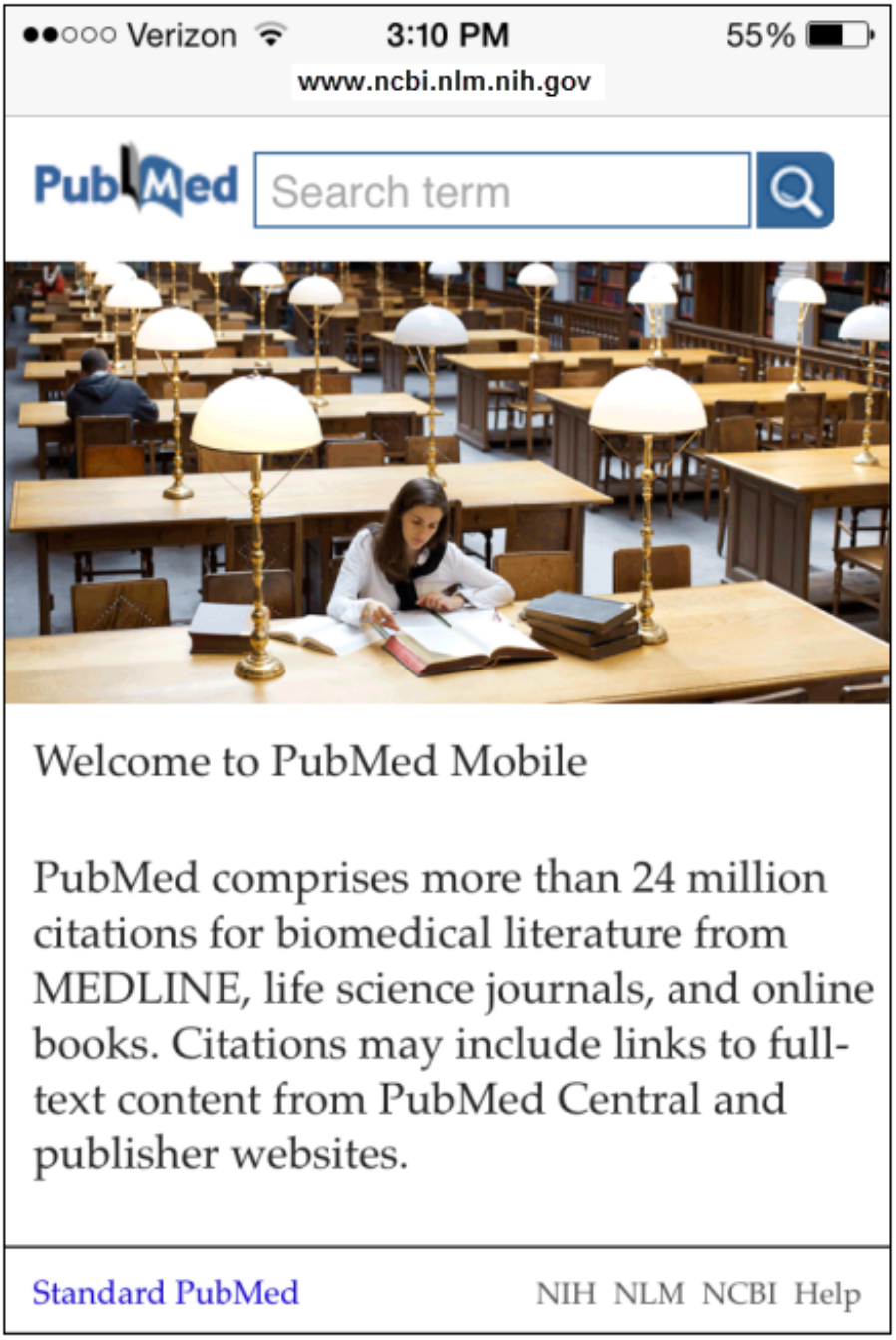

Figure 1: PubMed Mobile homepage.

PubMed Commons comment indicators (see Figure 2) and "Related searches" have been added to the summary display.

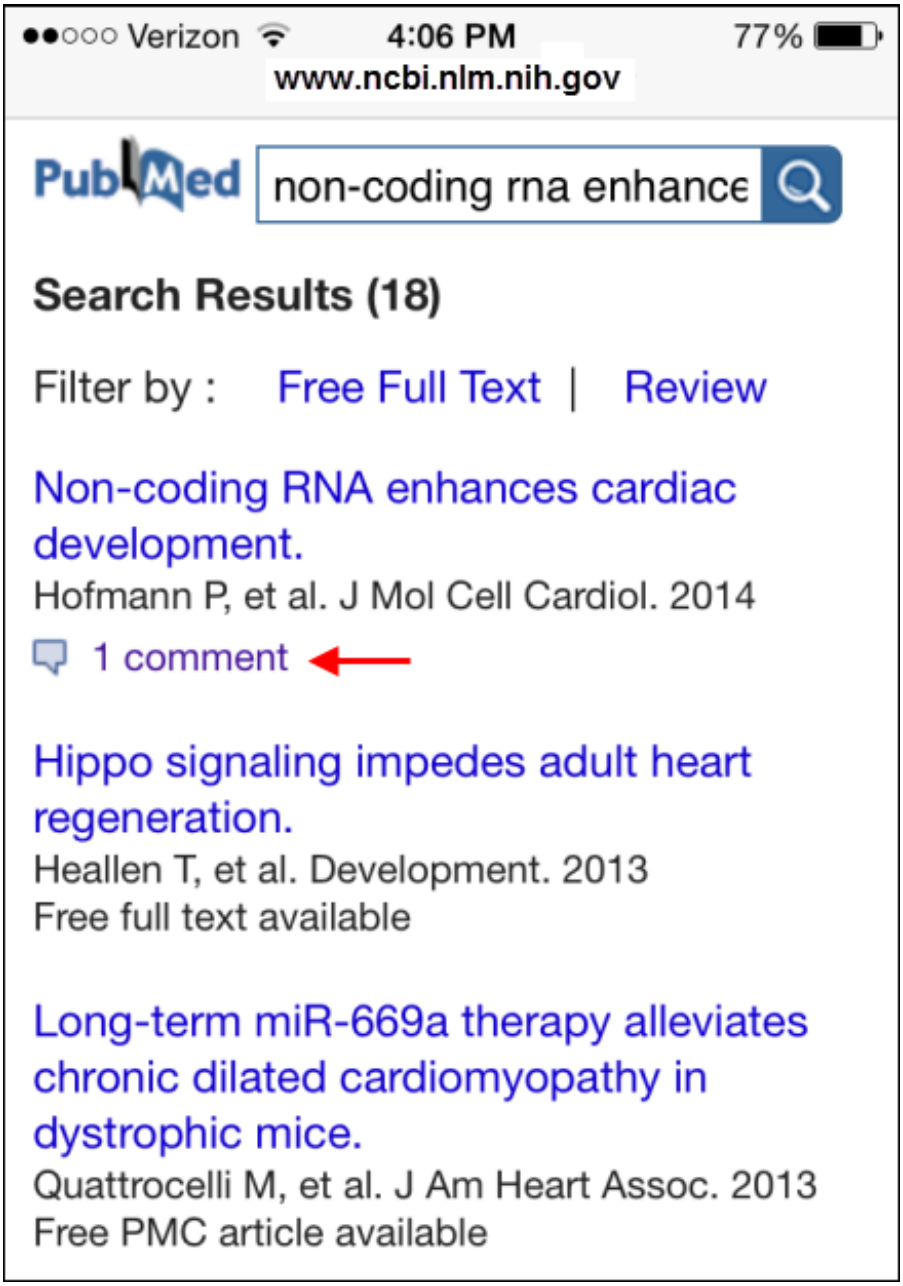

Figure 2: PubMed Mobile summary display with PubMed Commons comment indication.

These comments have also been added to the abstract display. In addition, the abstract display includes collaborator names and multiple author affiliations under an open/close widget. The abstract display includes search links on author and collaborator names (see Figure 3).

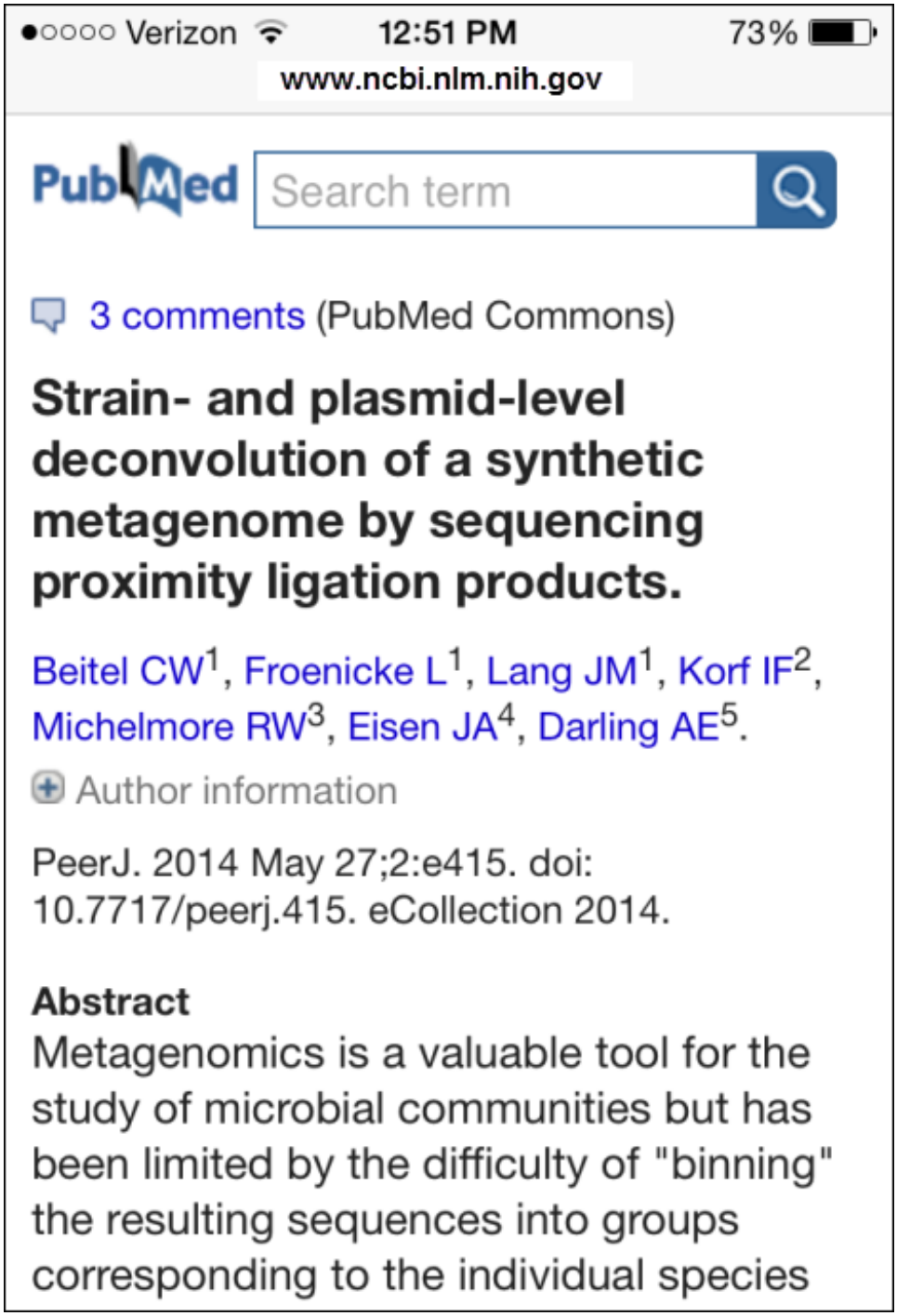

Figure 3: PubMed Mobile abstract display with PubMed Commons comment icon and Author information widget.

By Kathi Canese
National Center for Biotechnology Information

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Send in Your Application to Participate in "A Librarian's Guide to NCBI" Bioinformatics Course

Zipser J. Send in Your Application to Participate in "A Librarian's Guide to NCBI" Bioinformatics Course. NLM Tech Bull. 2014 Sep-Oct;(400):e10.

2014 September 29 [posted]
2014 October 24 [Editor's note added]

[Editor's note: Haven't had a chance to submit your application? There's still time! Application deadline is Monday, November 17, 2014.]

Health science librarians in the United States are invited to participate in the next offering of the bioinformatics training course, "A Librarian's Guide to NCBI," sponsored by the National Library of Medicine (NLM), the National Center for Biotechnology Information (NCBI), and the National Network of Libraries of Medicine, NLM Training Center (NTC).

The course provides knowledge and skills for librarians interested in helping patrons use online molecular databases and tools from the NCBI. Prior knowledge of molecular biology and genetics is not required. Participating in the Librarian's Guide course will improve your ability to initiate or extend bioinformatics services at your institution.

Instructors will be NCBI staff and Diane Rein, Ph.D., MLS, Bioinformatics and Molecular Biology Liaison from the Health Science Library, University at Buffalo.

Online Pre-Course and In-Person Course Components
There are two parts to "A Librarian's Guide to NCBI," listed below. Applicants must complete both parts. Participants must complete the pre-course with full CE credit (Part 1) in order to advance to attend the 5-day in-person course (Part 2).

- Part 1: "Fundamentals in Bioinformatics and Searching," an online (asynchronous) course, **January 12-February 13, 2015**

The major goal of this part is to provide an introduction to bioinformatics theory and practice in support of developing and implementing library-based bioinformatics products and services. This material is essential for decision-making and implementation of these programs, particularly instructional and reference services. The course encompasses visualizing bioinformatics end-user practice. It places a strong emphasis on hands-on acquisition of NCBI search competencies, and developing a working molecular biology vocabulary through self-paced hands-on exercises.

- Part 2: A 5-day in-person course offered on-site at the National Library of Medicine in Bethesda, Maryland, **March 9-13, 2015.**

The in-person course will focus on using the BLAST sequence similarity search and Entrez text search systems to find relevant molecular data. The course will describe the various kinds of molecular data available and explain how these are generated and used in modern biomedical research. The course will be a combination of instruction, demonstration, discussions, and hands-one exercises (both individual and group).

Who can apply?

- Applications are open to health science librarians in the United States.
- Applicants will be accepted both from libraries currently providing bioinformatics services as well as from those desiring to implement services.
- Enrollment is limited 25 participants.

What does it cost?

- There is no charge for the classes. Travel and lodging costs for the in-person class are at the expense of the participant.

Important Application Dates

- Application deadline: **November 17, 2014**
- Acceptance notification: On or about **December 15, 2014**

How to Apply

1. Please fill out the Application Form at https://www.surveymonkey.com/s/guide_2015_app.
2. Once you complete the Application Form, you will be directed to download the Supervisor Support Statement (ftp://ftp.ncbi.nih.gov/pub/education/librarian_guide/Forms/Supervisor_Supportv2.pdf). This is to be filled out and signed by your immediate supervisor. This statement describes your current and/or future role in bioinformatics support at your institution and confirms your availability to attend the course if selected.
3. Provide your current curriculum vitae (CV). Please use the suggested CV model as a guideline for the type of information desired (ftp://ftp.ncbi.nih.gov/pub/education/librarian_guide/Forms/LibGuide_CV_model.pdf).

Course Page
The course page with additional information is at: http://www.ncbi.nlm.nih.gov/education/librarian/

Questions?
Please direct any questions to: ncbi_course@lists.utah.edu

By Janet Zipser
MEDLARS Management Section

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My NCBI – ORCID Author Data Integration with SciENcv

Hutcherson L. My NCBI – ORCID Author Data Integration with SciENcv. NLM Tech Bull. 2014 Sep-Oct;(400):e9.

2014 September 24 [posted]
2014 October 16 [Editor's note added]

[Editor's note: These features were implemented on October 9, 2014.]

SciENcv users will soon be able to create SciENcv profiles using the data stored in their ORCID records. By linking an ORCID account to an NCBI account, users will be able to create SciENcv profiles using the personal statement, education, employment, publications and research awards information stored in ORCID records.

Linking an ORCID Account to an NCBI Account

Copying data from an ORCID record to a SciENcv profile is only possible if your ORCID account is linked to your NCBI account. To link your account, start at the NCBI login page (see Figure 1).

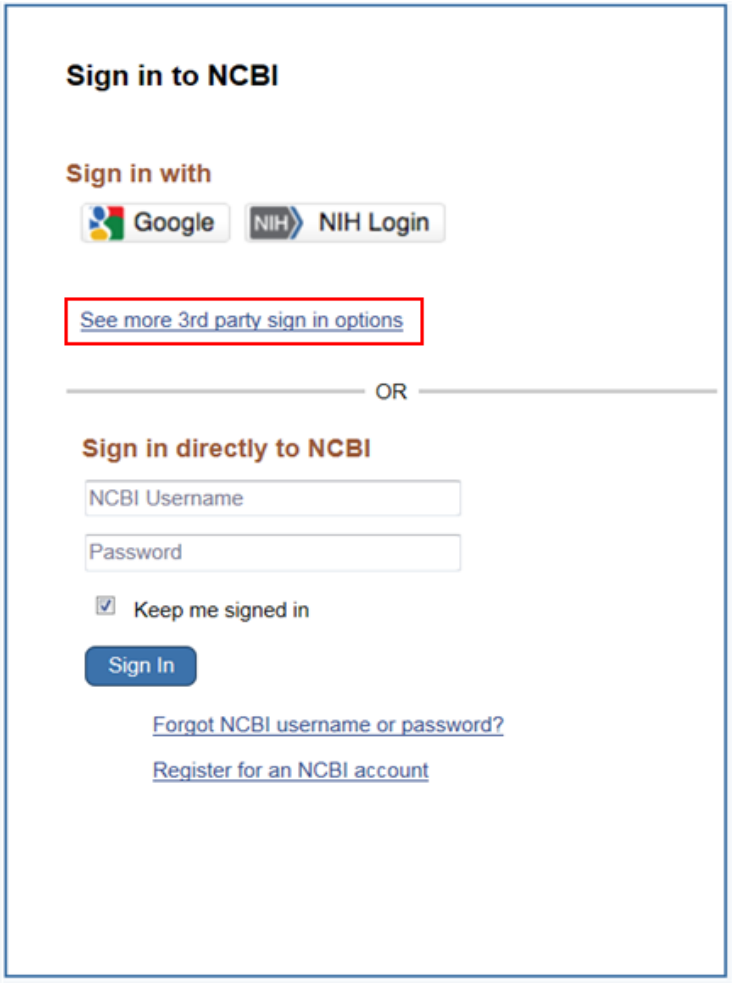

Figure 1: Click "See more 3rd party sign in options."

Click "See more 3rd party sign in options." Search for ORCID and click the ORCID link (see Figure 2).

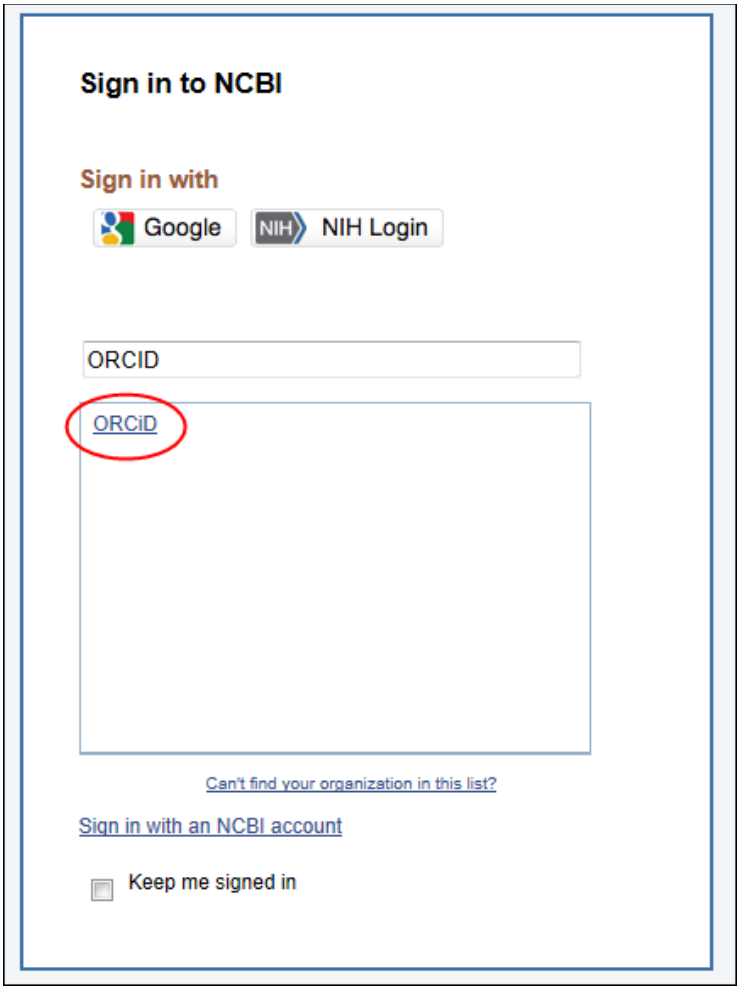

Figure 2: Click the ORCID link on the NCBI Sign in page.

The system will link you to the ORCID login page where you enter your username and password and authorize access to your ORCID record (see Figure 3).

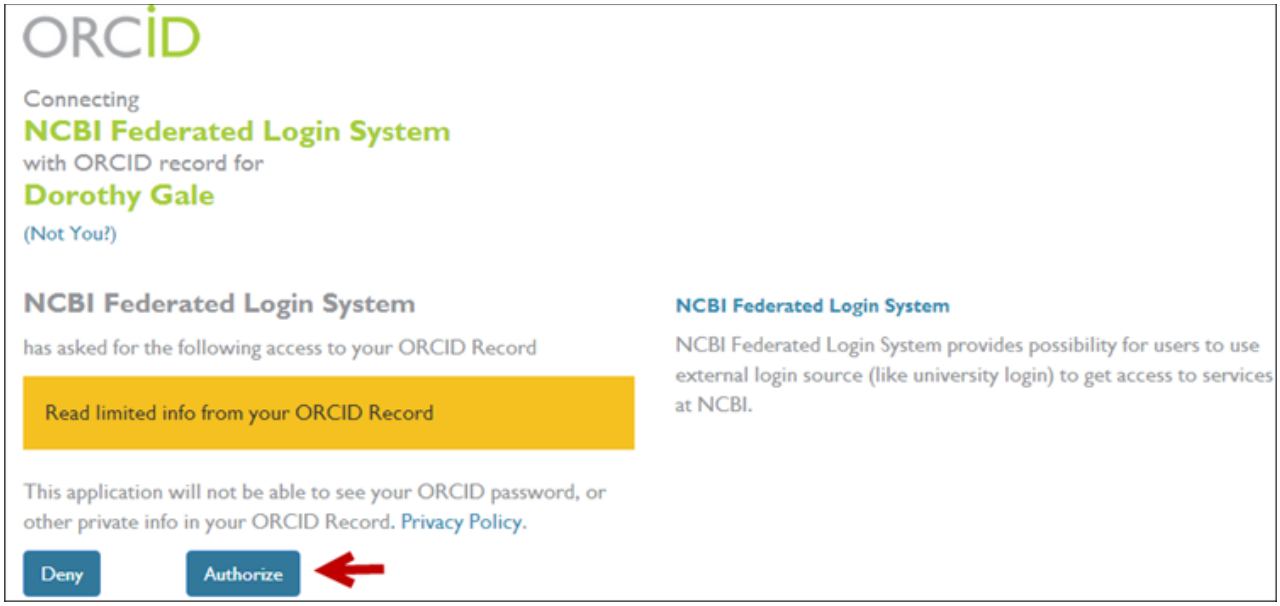

Figure 3: ORCID authorization page.

Next, on the "Sign in Via a Partner Organization" screen, link to your existing NCBI account or create a new NCBI account (see

Figure 4).

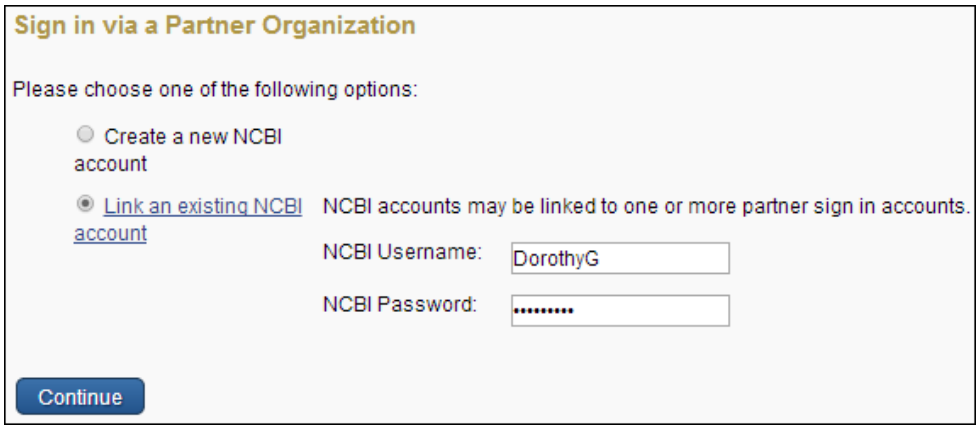

Figure 4: NCBI sign in via partner organization page.

Once the accounts are linked, you will be able to access your NCBI account while simultaneously signed in to your ORCID account and upload data from your ORCID record to one or more SciENcv profiles.

Creating a SciENCV Profile Using an ORCID Record

On the My NCBI main page, in the SciENcv portlet, click the "Manage SciENcv" link (see Figure 5).

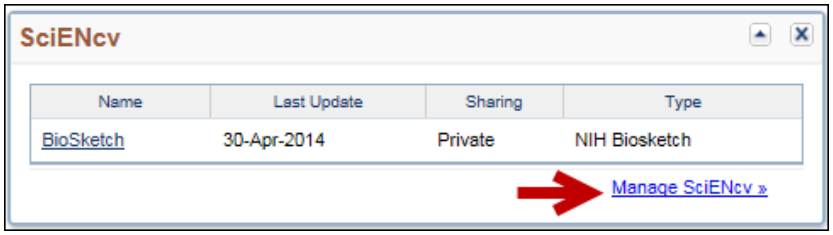

Figure 5: Click the Manage SciENcv link in the SciENcv portlet.

Next, click the "Create New Profile" link. Select the tab "From an external source" (see Figure 6). Assign a name to the new profile and select ORCID from the external source drop-down menu.

Figure 6: Select ORCID as your external source data option.

Note that in the Figure 6 example, Dorothy's ORCID account is linked to her NCBI account, and consequently the message displayed is "Your ORCID account is linked to SciENcv." If your NCBI account is not linked to your ORCID account, a message will display with a hyperlink asking you to link to your ORCID account. At this point, you may also specify whether to make the new profile public or private.

After clicking "Create," SciENcv will auto-populate the new profile with the information stored in your ORCID record. Note that publication and research award information will be uploaded directly to the ORCID tab for each profile section (see Figures 7 and 8).

Figure 7: ORCID tab in Selected Peer-Reviewed Publications.

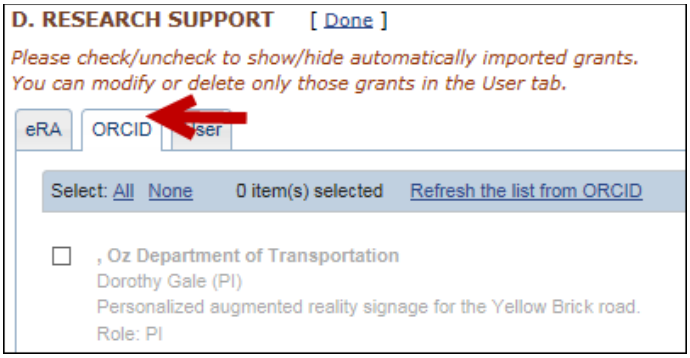

Figure 8: ORCID tab in Research Support.

To display publication and research award information in a SciENcv profile, select the check boxes next to each entry and click "Done" (see Figures 9 and 10).

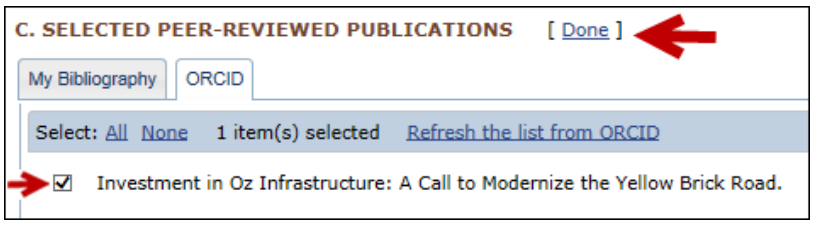

Figure 9: Selecting a publication to be displayed in a SciENcv profile.

Figure 10: Selecting an award to be displayed in a SciENcv profile.

Please send comments or inquiries regarding SciENcv to info@ncbi.nlm.nih.gov.

By Lidia Hutcherson
National Center for Biotechnology Information

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DOCLINE 5.0 Released: Introduces Serials Embargo Information

Unger E. DOCLINE 5.0 Released: Introduces Serials Embargo Information. NLM Tech Bull. 2014 Sep-Oct;(400):e8.

2014 September 22 [posted]

The U.S. National Library of Medicine (NLM) released DOCLINE 5.0 on August 27, 2014. DOCLINE is an NLM Web-based system for interlibrary loan of biomedical literature among participating libraries in the U.S. and Canada.

The most notable DOCLINE 5.0 enhancement is the inclusion of interlibrary lending embargo periods within electronic journal serial holdings records (see Figure 1). The DOCLINE automated request routing algorithm uses the new embargo data as one of the criteria for matching potential lenders with requested articles. More precisely, the enhancement allows DOCLINE to bypass lenders unable to supply a requested article if the publication date falls within the publisher's embargo periods. This adds greater efficiency and speed to the routing and delivery process.

The new Embargo Period field allows libraries to record the number of months an electronic journal title is embargoed for interlibrary loan, according to publisher license agreements. When a library requests a citation with a PubMed identifier (PMID), the DOCLINE routing algorithm uses the ePubDate to determine whether a lender can or cannot provide the article dependent upon the lender's license-determined embargo period.

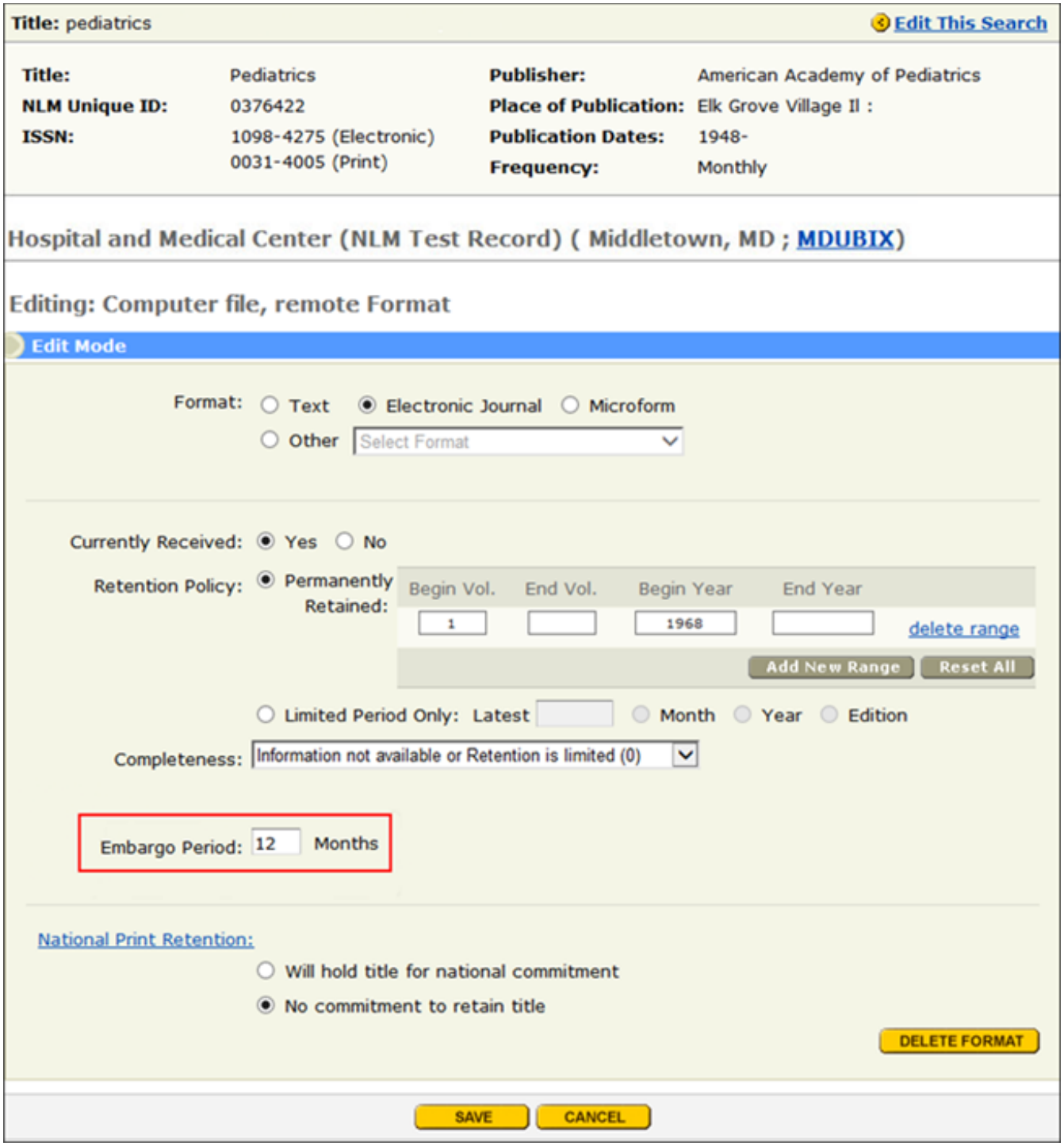

Figure 1: Serial Holdings Edit display with new Embargo Period option.

If a DOCLINE library is a LinkOut via Submission Utility or LinkOut Local participant, DOCLINE automatically defaults to using LinkOut embargo information (see Figure 2). Libraries can manually enter an embargo period for specific title(s) if the LinkOut embargo is different from the interlibrary loan embargo. The LinkOut embargo option is *not available* for libraries using the Outside Tool.

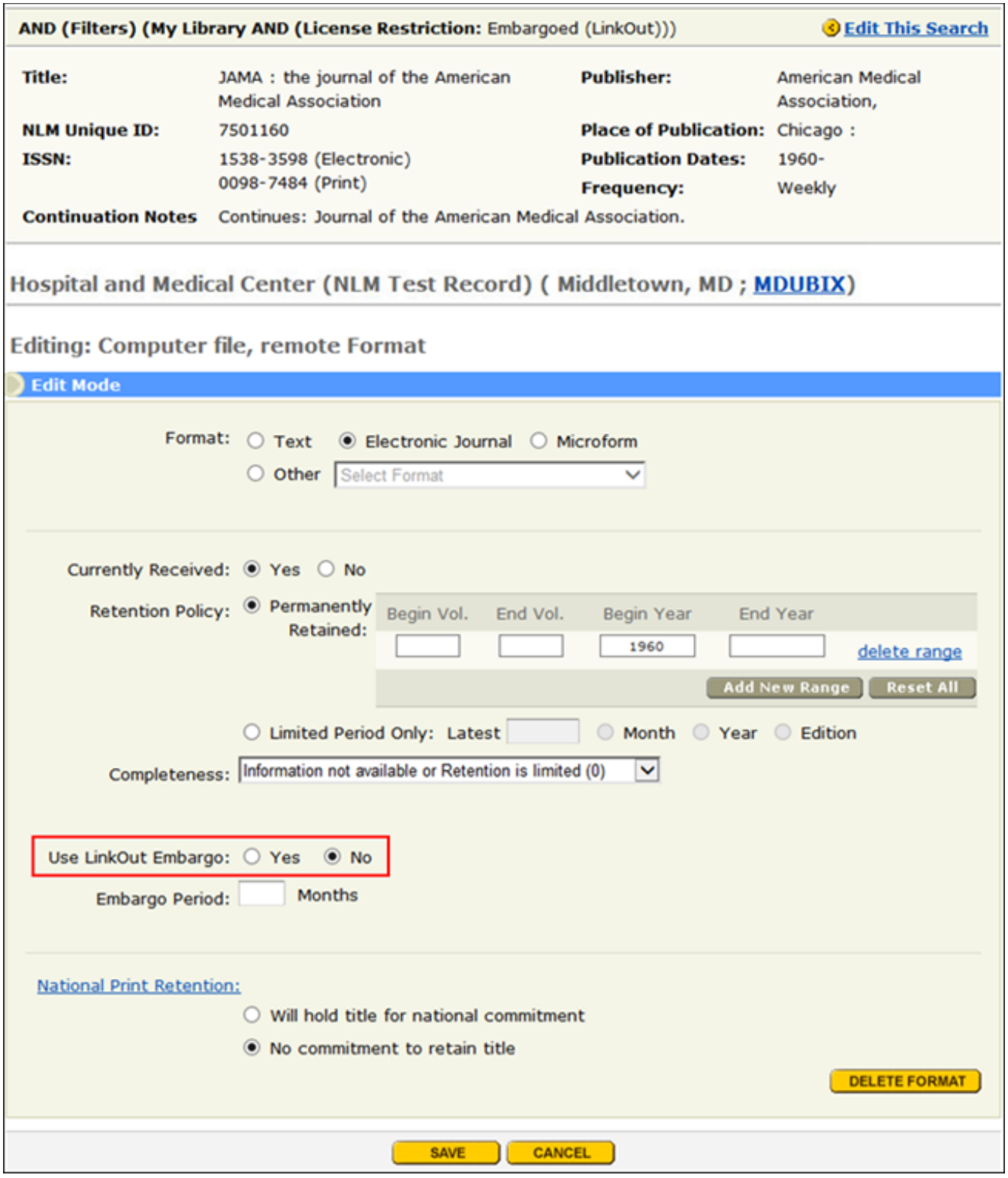

Figure 2: Serial Holdings Edit display with new Use LinkOut Embargo option.

DOCLINE 5.0 also provides new License Restriction (embargo) filters (see Figure 3) for searching serial holdings so libraries can easily retrieve titles with or without embargo periods. This added functionality will help libraries maintain their holdings records by quickly identifying titles with manually entered embargo periods, titles using LinkOut embargoes, and titles with no embargo period. Libraries can also search by a specific title to view other libraries' holdings and associated embargo periods. However, NLM recommends letting the DOCLINE automated routing identify potential lenders during the Borrow function.

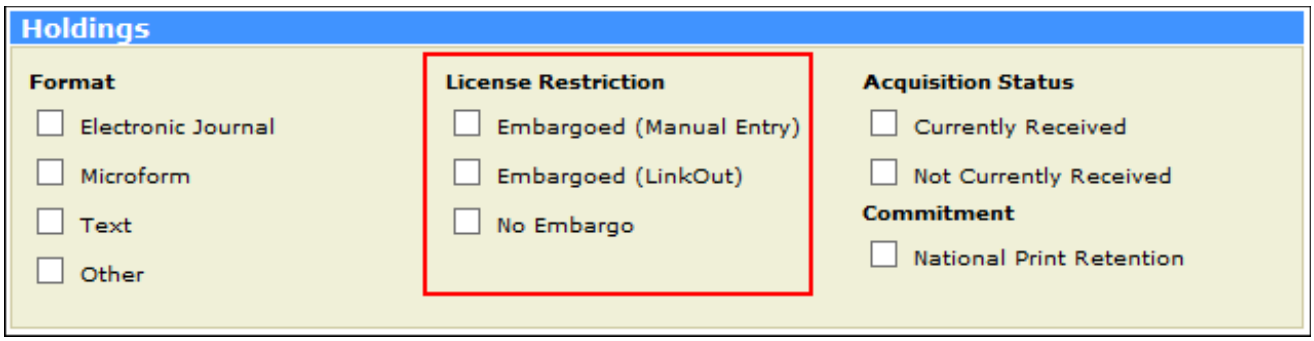

Figure 3: Serials Search Holdings filters with new License Restriction choices.

DOCLINE 5.0 also includes a new borrowing and lending statistics reporting tool -- a monthly Activity Summary page accessible from within the Institution record (see Figure 4). The summary table shows the number of borrow requests the library placed the previous month, the total number of requests entered into the DOCLINE system during the same period, and the percentage of borrow requests filled by other libraries. Regarding lending, the Activity Summary page also presents the number of requests routed to the library, how many were removed for non-receipt, the number the library receipted, how many were removed for non-action, and how many were rejected (not filled) and filled. Other data displayed include the library fill rate in comparison to the overall DOCLINE fill rate, and the average days to fill/not fill in contrast to the overall DOCLINE turnaround time. The Activity Summary data are automatically refreshed on the first of every month. DOCLINE does not retain prior Activity Summary reports; however, libraries planning to use Activity Summary data for monthly statistical reporting may print or copy the data for future reference.

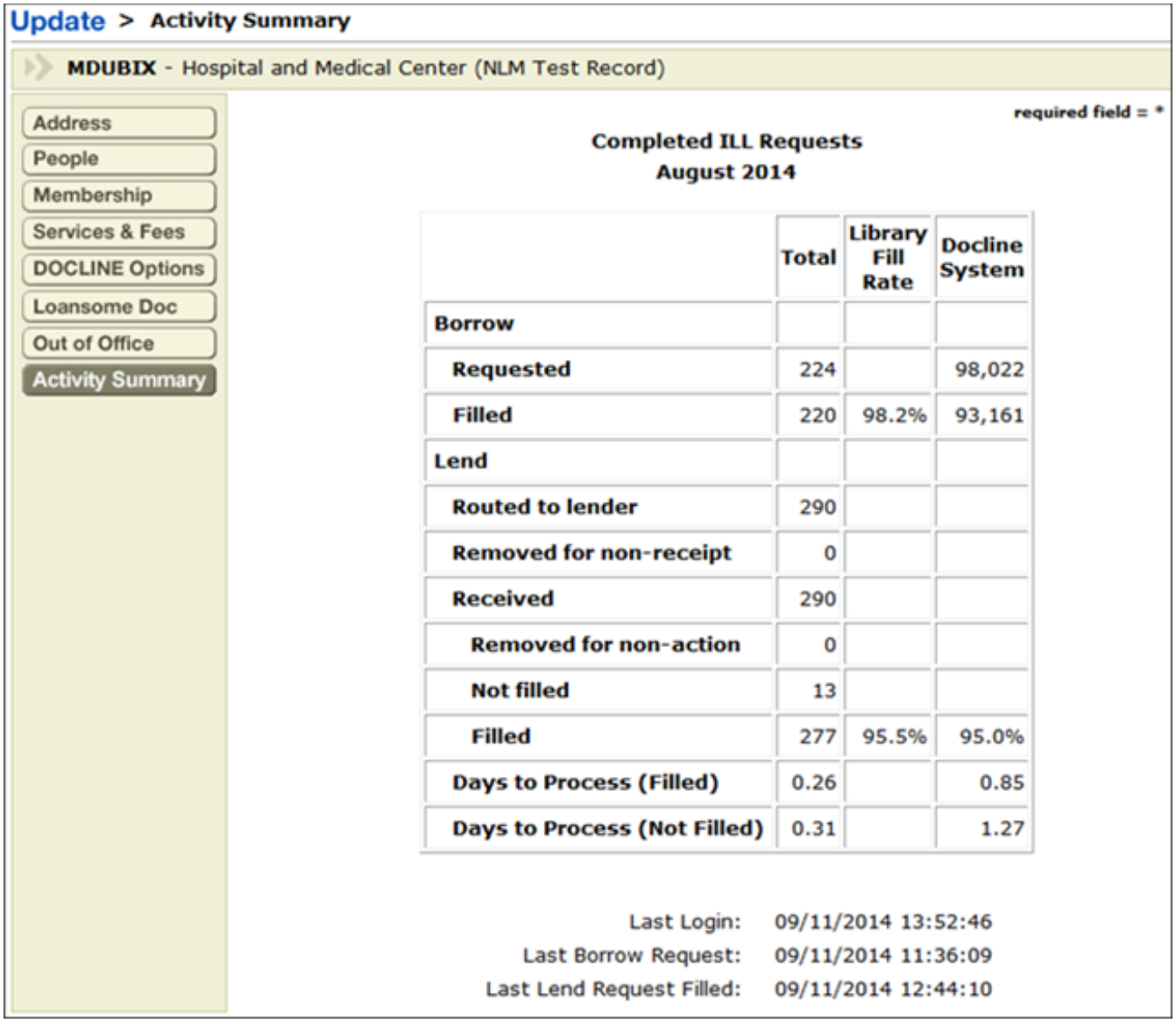

Figure 4: Institution Activity Summary.

Other noteworthy enhancements included in DOCLINE 5.0 are a new "Ship To" default for certain types of requests, additional sorting options for search results, more variations for data displays, and added support for Internet Explorer 11. DOCLINE support for Internet Explorer 8 is expected to cease before the end of 2014.

See the Release Notes for a complete list of changes in DOCLINE 5.0.

By Elisabeth Unger
Collection Access Section

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MeSH Browser Now Updated More Frequently

MeSH Browser Now Updated More Frequently. NLM Tech Bull. 2014 Sep-Oct;(400):e7.

2014 September 17 [posted]
2014 September 19 [Editor's note added]

Beginning on September 4, 2014, the MeSH Browser is being updated each business day.

[Editor's Note: The following sentence was revised on September 19, 2014.] The MeSH XML and ASCII format files for Supplementary Concept Records (SCRs) will be available on this same Monday through Friday schedule starting the week of September 15, 2014. Prior to this change, the MeSH Browser and MeSH XML and ASCII files for SCRs were updated and made available once per week.

This new update schedule releases new and edited SCRs, mostly for chemicals and drugs, in a more timely way for use by both indexers and searchers. Descriptors and qualifiers are changed only on an annual basis.

Other pertinent articles:

MEDLINE/PubMed Year-End Processing Activities

2015 MeSH Now Available

MeSH Browser Now Updated More Frequently

MEDLINE Data Changes - 2015

What's New for 2015 MeSH

Cataloging News - 2015

Newly Maintained MEDLINE for 2015 MeSH Now Available in PubMed

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2015 Medical Subject Headings (MeSH) Now Available

2015 Medical Subject Headings (MeSH) Now Available. NLM Tech Bull. 2014 Sep-Oct;(400):e6.

2014 September 17 [posted]
2014 November 25 [Editor's note added]

Introduction to MeSH 2015
The Introduction to MeSH 2015 is now available, including information on its use and structure, as well as recent updates and availability of data.

MeSH Browser
The default year in the MeSH Browser remains 2014 MeSH for now, but the alternate link provides access to 2015 MeSH. The MeSH Section will continue to provide access via the MeSH Browser for two years of the vocabulary: the current year and an alternate year. Sometime in November or December, the default year will change to 2015 MeSH and the alternate link will provide access to the 2014 MeSH.

Download MeSH
Download 2015 MeSH in XML and ASCII formats. Also available for 2015 from the same MeSH download page are:

- Pharmacologic Actions (Forthcoming) *[Editor's Note: The Pharmacologic Action files for 2015 MeSH are now available for download from the MeSH download page at: http://www.nlm.nih.gov/mesh/filelist.html.]*
- New Headings with Scope Notes
- MeSH Replaced Headings
- MeSH MN (tree number) changes
- 2015 MeSH in MARC format

Other pertinent articles:

MEDLINE/PubMed Year-End Processing Activities

2015 MeSH Now Available

MeSH Browser Now Updated More Frequently

MEDLINE Data Changes - 2015

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Population Health Added to Special Queries

Zorn M. Population Health Added to Special Queries. NLM Tech Bull. 2014 Sep-Oct;(400):e5.

2014 September 17 [posted]

The NLM PubMed Special Queries page includes a link to a new MEDLINE/PubMed Population Health search.

A definition for population health is "the health outcomes of a group of individuals, including the distribution of such outcomes within the group. The field of population health includes health outcomes, patterns of health determinants, and policies and interventions that link these to differences between groups of people." 1

The Population Health Special Query is a PubMed search of relevant MeSH headings and text words combined strategically to retrieve PubMed citations. MeSH headings were selected with the assistance of members of the Institute of Medicine Board on Population Health and Public Health.

Currently, the pre-formulated search retrieves over 9,000 PubMed citations to English language literature excluding letters. To focus the retrieval more, see I retrieved too many citations. How can I focus my search? in PubMed Help.

Use our contact form to send your comments about this resource.

1 Kindig D, Stoddart G. What is population health? Am J Public Health. 2003 Mar;93(3):380-3. PubMed PMID: 12604476.

By Marcia Zorn
Reference and Web Services

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MEDLINE/PubMed Year-End Processing Activities for 2015

Tybaert S. MEDLINE/PubMed Year-End Processing Activities for 2014. NLM Tech Bull. 2014 Sep-Oct;(400):e4.

2014 September 15 [posted]

The National Library of Medicine (NLM) is currently involved in MEDLINE year-end processing (YEP) activities. These include changing the Medical Subject Headings (MeSH) main headings as well as Supplementary Concept Records that standardize names and associated numbers for chemical, protocols, and diseases that are not main headings. The MeSH edits include existing MEDLINE citations to conform with the 2015 version of MeSH, and other global changes.

Important Dates

- November 19, 2014: NLM expects to temporarily suspend the addition of fully-indexed MEDLINE citations to PubMed. Publisher-supplied and in process citations will continue to be added.
- Mid-December 2014: PubMed MEDLINE citations, translation tables, and the MeSH database will have been updated to reflect 2015 MeSH.

For details about the impact on searching from November 20 to mid-December, see: Annual MEDLINE/PubMed Year-End Processing (YEP): Impact on Searching During Fall 2014.

For background information on the general kinds of changes made annually, see: Annual MEDLINE/PubMed Year-End Processing (YEP): Background Information.

By Sara Tybaert
MEDLARS Management Section

Other pertinent articles:

MEDLINE/PubMed Year-End Processing Activities

2015 MeSH Now Available

MeSH Browser Now Updated More Frequently

MEDLINE Data Changes - 2015

What's New for 2015 MeSH

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Newly Maintained MEDLINE for 2015 MeSH Now Available in PubMed

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NLM to Broaden Its Institutional Web Site Archiving

Rees J. NLM to Broaden Its Institutional Web Site Archiving. NLM Tech Bull. 2014 Sep-Oct;(400):e3.

2014 September 12 [posted]

Under a Web permanence policy established in 2002, the National Library of Medicine (NLM) recorded permanence metadata within HTML headers, performed pre-publication appraisal and review by NLM archivists, and maintained version control for deleted and updated content. This was a novel, but time-consuming approach to communicating which NLM Web sites would be kept permanently available and whether the contents and identifiers of those documents could change over time, and to ensuring that access to important NLM content was not eliminated by disappearing links.

Based on recent experience gained in the use of Web archiving technologies for gathering Web content, NLM will be broadening and simplifying its approach to archiving its own Web sites. Like many other institutions, NLM will begin using the Internet Archive's Archive-It Web archiving service to capture and preserve periodic snapshots of a wider landscape of NLM Web resources. Concurrently, NLM will cease the application and management of its previous permanence policy to individual Web pages and documents. NLM will still maintain the existing commitments to those Web resources previously identified as Permanent. The NLM Technical Services Division will continue to catalog NLM Web resources.

NLM is confident that its new approach to archiving its institutional Web sites, integrated with its external Web crawling activities, will provide a richer and deeper historical record of NLM programs, activities, and services.

By John Rees
History of Medicine Division

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Publisher Field Search in the NLM Catalog Now Includes Individual Words and Phrases

Boehr D. Publisher Field Search in the NLM Catalog Now Includes Individual Words and Phrases. NLM Tech Bull. 2014 Sep-Oct;(400):e2.

2014 September 08 [posted]

On August 21, 2014, the NLM Catalog was enhanced to provide single word and phrase searching for a publisher name. Prior to this date, the Publisher field was a left anchored search that required you to know exactly how the publisher's name appeared on a particular item to get accurate retrieval.

Search for a publisher's name on the main search page by entering the field qualifier **[publ]** after the search term or phrase (see Figure 1) or by selecting Publisher from the drop-down menu on the NLM Catalog Advanced search page (see Figure 2).

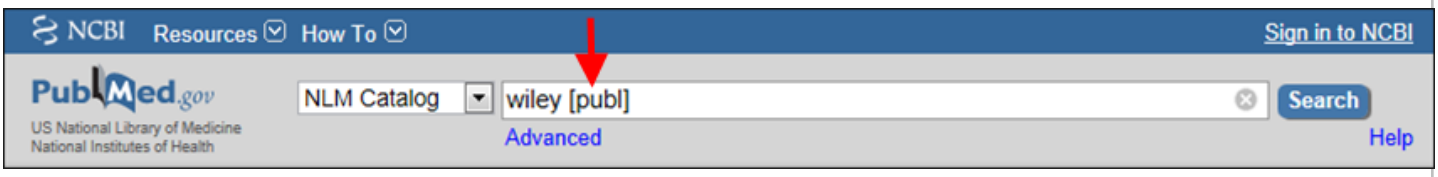

Figure 1: NLM Catalog search using field qualifier [publ] to retrieve all items with a publisher's name.

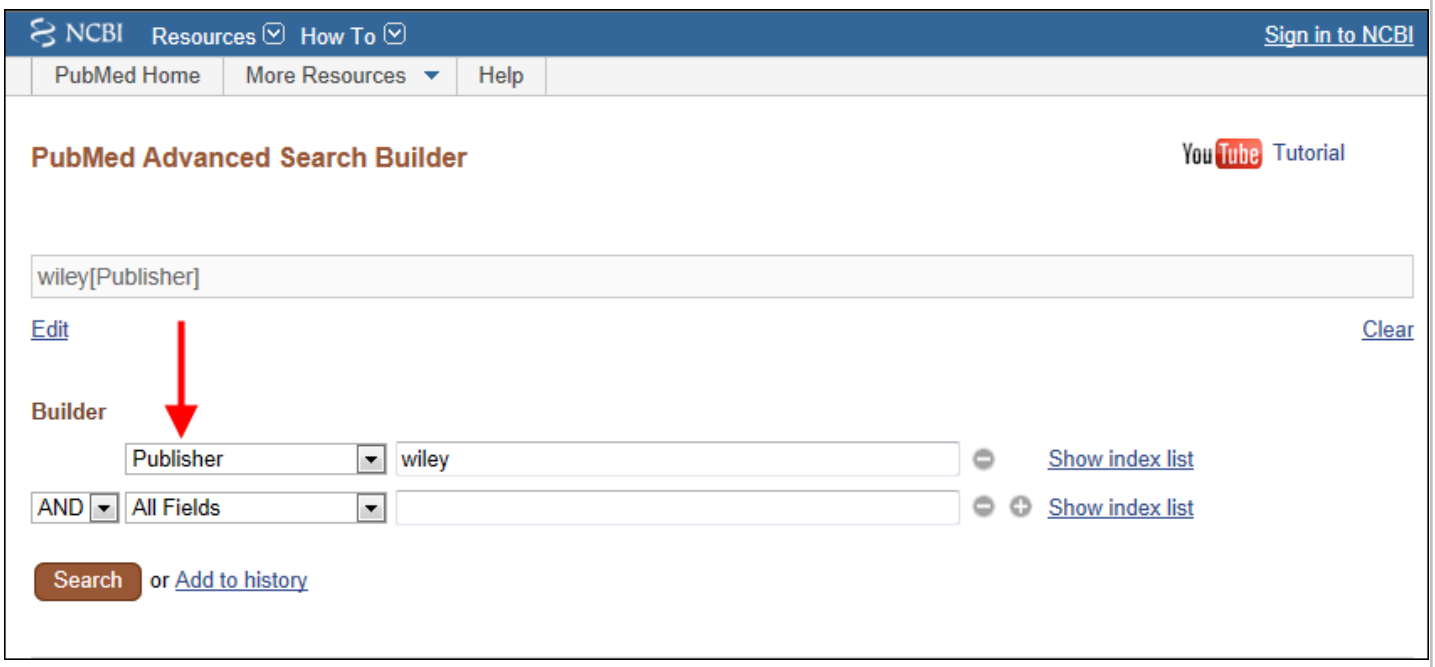

Figure 2: NLM Catalog Advanced search using Publisher drop-down field to retrieve all items with a publisher's name.

Note that a Publisher field search for:

wiley [publ]

retrieves all material with Wiley in the imprint, whether it appears as:

Wiley

John Wiley & Sons Inc.
Wiley-Blackwell

A phrase search for **wiley blackwell** would limit retrieval to just the material with Wiley Blackwell in the imprint. The publisher search includes information in both the Publisher and Current Publisher fields when the publisher has changed over time.

Be advised that it is possible to get some false drops in your retrieval. For example, a search of:

publisher [publ]

retrieves companies such as:

Polish State Medical Publisher
Interscience Publisher

but also retrieves records with the note:

publisher not identified (see Figure 3).

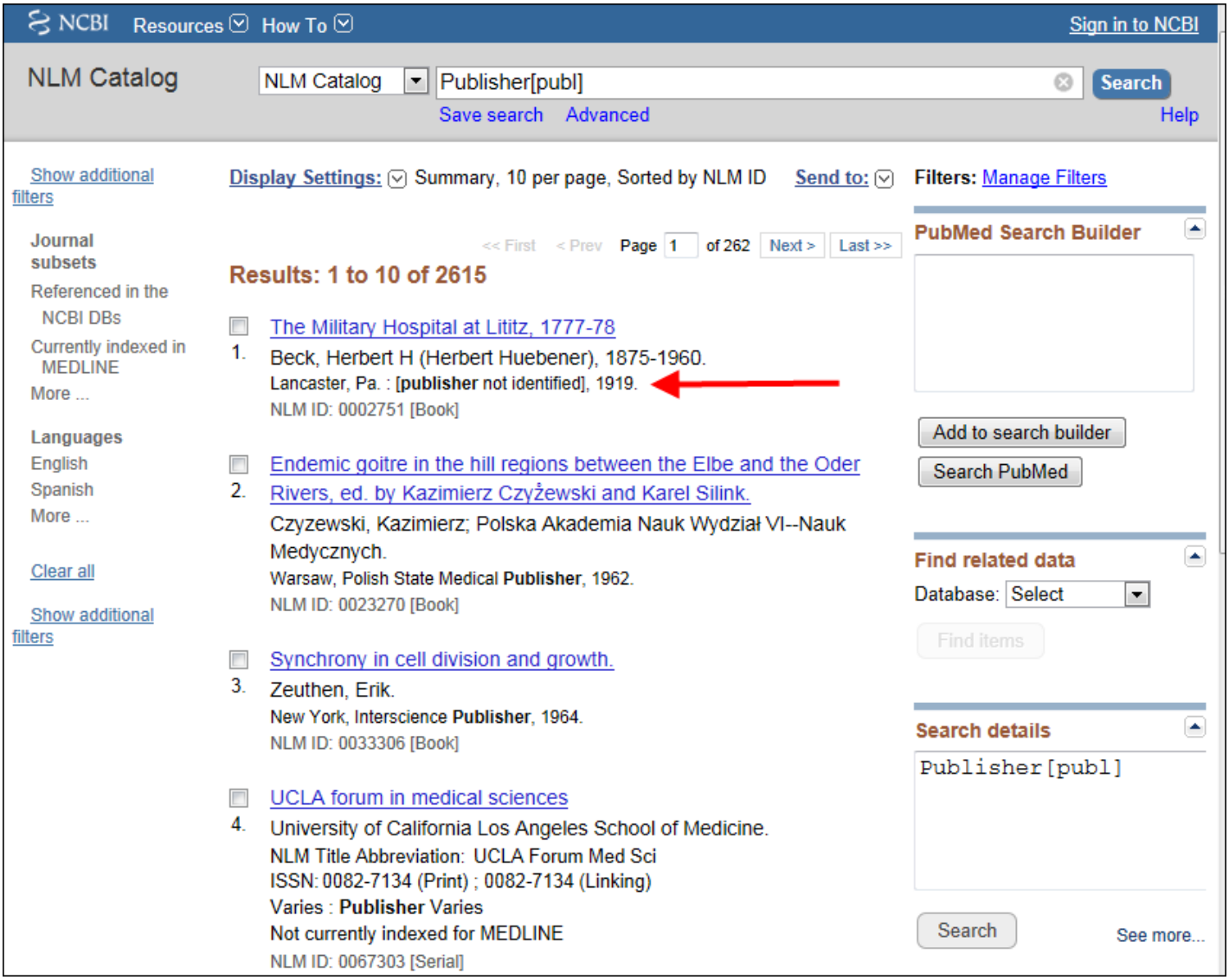

Figure 3: Example of false drop when using Publisher [publ] search.

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Changes to the NLM License Agreement for NLM Data

McGhee M. Changes to the NLM License Agreement for NLM Data. NLM Tech Bull. 2014 Sep-Oct;(400):e1.

2014 September 02 [posted]

The National Library of Medicine (NLM) is announcing the release of its revised "License Agreement for NLM Data." This revised license, dated September 1, 2014, will supersede the license last revised on October 24, 2008. Existing licensees wishing to continue access to 2015 data will be asked to accept the new license when they renew their license in November 2014. (The 2015 renewal system will be available for existing licensees from approximately November 5 through December 10, 2014.) Beginning September 1, 2014 prospective licensees will accept the new license.

The revised license is available at http://www.nlm.nih.gov/databases/license/license.pdf. The following summarizes the changes:

- For many years, NLM offered a subset of the archival International Pharmaceutical Abstracts (IPA) data via the TOXLINE Subset. However, no one is leasing the IPA subset data from us and therefore we will no longer offer it as part of our data distribution program. Parties interested in the archival IPA subset data should contact Thomson Reuters™.

    1. Section 8. PREREQUISITE ARRANGEMENT and Appendix B (Prerequisite Arrangement with Producer of Data) have been deleted from the license
    2. Sections 9 through 16 have been re-numbered accordingly (i.e., Sections 8 through 15, respectively)
    3. Appendices C and D have been re-lettered accordingly (i.e., Appendix B and Appendix C, respectively)
    4. The list of appendices in the license (Section 15. APPENDICES) has been updated
    5. References to Appendices B and C have been updated
    6. The license and appendices page numbering have been updated

- Since October 2013, NLM no longer adds, updates or maintains records in DIRLINE (DIRLINE Ends Its 30 Year Run). Therefore, NLM will no longer lease DIRLINE data.

    1. References to DIRLINE have been deleted from Appendices A and the (re-lettered) B.

General information about leasing databases from the National Library of Medicine may be found at http://www.nlm.nih.gov/databases/leased.html and you may contact us at nlmdatadistrib@nlm.nih.gov if you have questions or need additional information.

By Margaret A. McGhee
MEDLARS Management Section

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