# NLM Technical Bulletin

National Library of Medicine | National Institutes of Health




## Table of Contents


**Subject Terms for Indexed Journals Updated** - e1
March 10, 2009 [posted]

**American Recovery and Reinvestment Act (ARRA) of 2009** - e2
March 13, 2009 [posted]

**PubMed Central®: New Journals Participating and New Content Added** - e3
March 13, 2009 [posted]

**Updated NLM® Gateway and ClinicalTrials.gov Training Manual Available** - e4
March 18, 2009 [posted]

**Papers of Victor McKusick Added to Profiles in Science®** - e5
March 20, 2009 [posted]

**Minor Change for Summary Display in PubMed®** - e6
March 20, 2009 [posted]

**Updates to the PublicAccess.nih.gov Web Site And New NLM Public Access Resources Web Page** - e7
March 27, 2009 [posted]

**NLM® Resource—TOXMAP® Now Includes TRI 2007** - e8
March 30, 2009 [posted]

**NLM® Journal Donation Program** - e9
April 03, 2009 [posted]

**Updated PubMed® Quick Tours** - e10
April 03, 2009 [posted]

**Author-First Paragraph Style Format for Citations Available in PubMed®** - e11
April 03, 2009 [posted]

**Skill Kit: Searching Full Author Names in PubMed®** - e12
April 10, 2009 [posted]

***List of Serials Indexed for Online Users*, 2009 Available in XML** - e13
April 14, 2009 [posted]

**Indexing the American Recovery and Reinvestment Act (ARRA) for MEDLINE®** - e14
April 16, 2009 [posted]

**NLM® History of Medicine Division (HMD) Releases New Finding Aids Search Platform** - e15
April 17, 2009 [posted]

**Personal Electronic Health Records Conference at NLM®** - e16
April 17, 2009 [posted]

**UMLS® 2009AA Release Available** - e17
April 20, 2009 [posted]

**Apply to Host *Harry Potter's World: Renaissance Science, Magic, and Medicine* Exhibition** - e18
April 20, 2009 [posted]

***NLM® Classification* 2009 Edition Now Available** - e19
April 23, 2009 [posted]

**Owners of LOINC, NPU, and SNOMED CT® Begin Trial of Cooperative Terminology Development** - e20
April 24, 2009 [posted]

**NLM® Launches New Web Pages on 2009 Flu** - e21
April 30, 2009 [posted]

Issue Completed April 30, 2009



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)
Last updated: 30 April 2009

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



**March 10, 2009** [posted]

# Subject Terms for Indexed Journals Updated

Subject Terms are broad Medical Subject Headings (MeSH®) that describe the overall coverage of an indexed journal. These terms, which are searchable in the Journals database, have recently been updated as follows:

**Changes:**

| | |
|---|---|
| General Surgery | [was Surgery, prior to 2009 MeSH] |
| Primary Health Care | [was Family Practice] |
| Pulmonary Medicine | [was Pulmonary Disease (Specialty), prior to 2009 MeSH] |
| Statistics as Topic | [was Statistics, prior to 2008 MeSH] |
| Technology | [was Technology, Medical] |

**Additions:**

Disaster Medicine
Nanotechnology

Other edits to adjust various "includes," "see," and "see also" notes were also made.

*Subject Terms for Indexed Journals Updated. NLM Tech Bull. 2009 Mar-Apr;(367):e1.*

U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**March 13, 2009** [posted]

# American Recovery and Reinvestment Act (ARRA) of 2009

The American Recovery and Reinvestment Act of 2009 (Recovery Act) was signed into law by President Obama on February 17, 2009 in an effort to jumpstart our economy, create or save millions of jobs, and begin to address long-neglected challenges so that our country can thrive in the 21st century. The Recovery Act provided $10.4 billion to the National Institutes of Health (NIH) to support research initiatives and some infrastructure improvements. The NLM share of that amount is roughly $84 million, most of which will be spent on extramural grants and Research and Development Contracts, due to legislative restrictions.

NIH will launch a number of initiatives to use the Recovery Act funds, which must all be awarded by September 30, 2010. The first of these is the NIH Challenge Grants in Health and Science Research, which will fund 200 or more grants, contingent upon the submission of a sufficient number of scientifically meritorious applications. NLM has thirteen challenge grant topics in the NIH Challenge Grant funding announcement, in areas of Bioethics, Comparative Effectiveness Research, Enabling Technologies, Enhancing Clinical Trials, Health Disparities, Information Technology for Processing Health Care Data for Research, and Translational Science. The application due date for the NIH Challenge Grants is April 27, 2009. More information about the NIH Challenge grants and about the NLM role in the Recovery Act can be found at: http://www.nlm.nih.gov/recovery/

**By Valerie Florance, Ph.D.**
**NLM Extramural Programs**

*Florance V. American Recovery and Reinvestment Act (ARRA) of 2009. NLM Tech Bull. 2009 Mar-Apr;(367):e2.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**March 13, 2009** [posted]

# PubMed Central®: New Journals Participating and New Content Added

## New Journals Participating

### *Cancer Informatics*

[Posted in *NLM Technical Bulletin* March 13, 2009]

The journal *Cancer Informatics* is now participating in PubMed Central, beginning with issue 2008;6(1). There is a two month embargo delay for this title.

*Cancer Informatics*
ISSN: 1176-9351 (Electronic)
Title Abbreviation: Cancer Inform
Publisher: Libertas Academica
NLM ID: 101258149
PMC Full text coverage: from 2008;6(1).
PMC URL: http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=363&action=archive

### *Healthcare Policy*

[Posted in *NLM Technical Bulletin* March 13, 2009]

The journal *Healthcare Policy* is now participating in PubMed Central, beginning with issue 2005;1(1). Archive includes 2005;1(1) to 2008;3(1). Note: There is twelve-month embargo delay for this journal.

*Healthcare Policy*
ISSN: 1715-6572 (Print)
Title Abbreviation: Healthc Policy
Publisher: Longwoods Pub
NLM ID: 101280107
PMC Full text coverage: from 2005;1(1).
PMC URL: http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=363&action=archive

### *Journal of Chiropractic Medicine*

[Posted in *NLM Technical Bulletin* March 13, 2009]

The journal *Journal of Chiropractic Medicine* is now participating in PubMed Central, beginning with issue 2002;1(1). Archive includes 2002;1(1) to 2008;7(1). Current content is forthcoming with a twelve-month delay.

*Journal of Chiropractic Medicine*
ISSN: 1556-3707 (Print)
ISSN: 1556-3715 (Print)
Title Abbreviation: J Chiropr Med
Publisher: Lombard, IL : National University of Health Sciences
NLM ID: 101163637
PMC Full text coverage: from 2005;1(1).
PMC URL: http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=663&action=archive

***Interdisciplinary Perspectives on Infectious Diseases***

[Posted in *NLM Technical Bulletin* March 13, 2009]

The journal *Interdisciplinary Perspectives on Infectious Diseases* is now participating in PubMed Central. The archive includes 2008;(2008). There is no embargo delay for this title.

*Interdisciplinary Perspectives on Infectious Diseases*
ISSN: 1687-708X (Print)
ISSN: 1687-7098 (Electronic)
Title Abbreviation: Interdiscip Perspect Infect Dis
Publisher: Hindawi Publishing Corporation
NLM ID: 101496545
PMC Full text coverage: from 2008;(2008).
PMC URL: http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=860&action=archive

***Journal of Oncology***

[Posted in *NLM Technical Bulletin* March 13, 2009]

The *Journal of Oncology* is now participating in PubMed Central. The archive includes 2008;(2008). There is no embargo delay for this title.

*Journal of Oncology*
ISSN: 1687-8450 (Print)
ISSN: 1687-8469 (Electronic)
Title Abbreviation: J Oncol
Publisher: Cairo : Hindawi Publishing Corporation
NLM ID: 101496537
PMC Full text coverage: from 2008;(2008).
PMC URL: http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=859&action=archive

***Gastrointestinal Cancer Research***

[Posted in *NLM Technical Bulletin* March 13, 2009]

The *Gastrointestinal Cancer Research* is now participating in PubMed Central. The archive includes 2007;(1). There is no embargo delay for this title.

*Gastrointestinal Cancer Research*

ISSN: 1934-7820 (Print)
ISSN: 1934-7987 (Electronic)
Title Abbreviation: Gastrointest Cancer Res
Publisher: International Society of Gastrointestinal Oncology
NLM ID: 101300691
PMC Full text coverage: from 2007;(1).
PMC URL: http://www.pubmedcentral.gov/tocrender.fcgi?journal=796

***Journal of Biomedical Science***

[Posted in *NLM Technical Bulletin* March 13, 2009]

The *Journal of Biomedical Science* is now participating in PubMed Central. The archive includes 2009;16(1) to present. There is no embargo delay for this title.

*Journal of Biomedical Science*
ISSN: 1021-7770 (Print)
ISSN: 1423-0127 (Electronic)
Title Abbreviation: J Biomed Sci
Publisher: Springer
NLM ID: 9421567
PMC Full text coverage: from 2009;16(1).
PMC URL: http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=857

***Genome Medicine***

[Posted in *NLM Technical Bulletin* March 13, 2009]

The journal *Genome Medicine* is now participating in PubMed Central, beginning with issue 2009;(1). There is no embargo delay for this journal.

*Genome Medicine*
ISSN: 1756-994X (Electronic)
Title Abbreviation: Genome medicine
Publisher: BioMed Central
NLM ID: 101475844
PMC Full text coverage: from 2009;(1).
PMC URL: http://www.pubmedcentral.gov/tocrender.fcgi?journal=863

---

*PubMed Central®: New Journals Participating and New Content Added. NLM Tech Bull. 2009 Mar-Apr;(367):e3.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

**March 18, 2009** [posted]

# Updated NLM® Gateway and ClinicalTrials.gov Training Manual Available

The NLM Gateway and ClinicalTrials.gov training manual has been updated for 2009. It is now available on the National Library of Medicine® training materials Web site. The revision of the Gateway section reflects the newly redesigned interfaces for the E-mail and Download/Display functions (*New Design: NLM® Gateway E-mail and Download/Display Functions. NLM Tech Bull. 2008 Nov-Dec (365):e18*). The ClinicalTrials.gov portion was updated to reflect some minor screen changes in the ClinicalTrials.gov interface.

This manual is available for downloading in Portable Document Format (PDF) and Microsoft® (MS) Word formats. The material corresponds to the NLM National Training Center and Clearinghouse training courses.

Feel free to use any part of the manual. You may customize parts for training programs, demonstrations, or workshops you conduct. This resource is not copyrighted.

*Updated NLM® Gateway and ClinicalTrials.gov Training Manual Available. NLM Tech Bull. 2009 Mar-Apr;(367):e4.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

**March 20, 2009** [posted]

# Papers of Victor McKusick Added to Profiles in Science®

An extensive selection from the papers of physician Victor A. McKusick (1921-2008) have been added to the NLM Profiles in Science® Web site under the Biomedical Research section.

The Victor McKusick project is a collaboration with the Alan Mason Chesney Medical Archives of The Johns Hopkins Medical Institutions, the repository of his papers. With this addition, the number of prominent researchers, public health officials, and promoters of medical research whose personal and professional records are presented on Profiles has grown to twenty-eight.

"Dr. McKusick was the driving force that moved genetics into mainstream academic and clinical medicine; he established training and research programs, fostered gene mapping projects, and created the monumental reference resource, Mendelian Inheritance in Man. He truly was the founding father of medical genetics" said Donald A. B. Lindberg, M.D., director of the National Library of Medicine.

*Papers of Victor McKusick Added to Profiles in Science®. NLM Tech Bull. 2009 Mar-Apr;(367):e5.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**March 20, 2009** [posted]

# Minor Change for Summary Display in PubMed®

The Comment/Correction, "Summary for patients in," which cites a patient summary article, will be removed from the PubMed Summary format. This notation appears on just over seven hundred records and will continue to display on the fuller formats, e.g., AbstractPlus.

**By Annette M. Nahin**
**MEDLARS Management Section**

*Nahin AM. Minor Change for Summary Display in PubMed®. NLM Tech Bull. 2009 Mar-Apr;(367):e6.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**March 27, 2009** [posted]

# Updates to the PublicAccess.nih.gov Web Site And New NLM Public Access Resources Web Page

NIH Awardees have been notified that the NIH Public Access Policy is permanent, per the Omnibus Appropriations Act of 2009 in the NIH Guide for Grants and Contracts. The NIH Pubic Access Policy Web site was updated to reflect this. Additional updates to the Web site based on this information include:

- The Public Access FAQ B1, "To what papers does the NIH Public Access Policy apply?" has been updated.
- The training slides at http://publicaccess.nih.gov/communications.htm have been updated accordingly. These slides are intended to be downloaded and modified to support institutional efforts to train authors and comply with the Policy.
- Anyone submitting an application, proposal or progress report to the NIH must include the PubMed Central® or NIH Manuscript Submission reference number when citing applicable articles that arise from their NIH-funded research. Instructions on citing papers have been consolidated into a Web page, athttp://publicaccess.nih.gov/citati http://publicaccess.nih.gov/citation_methods.htm This link is accessible via the sidebar of http://publicaccess.nih.gov/index.htm under "Citation Methods."

In addition, NLM has created a new Web page, NIH Public Access and NIH Manuscript Submission — Useful Resources & Tools, providing links to information and training resources that support the NIH Public Access policy. A link to this page is provided on the NLM® Web site pages For Librarians and For Researchers. The link is located in the right-hand sidebar under the "Publications" category with the text link of "NIH Public Access Policy Resources."

*Updates to the PublicAccess.nih.gov Web Site. NLM Tech Bull. 2009 Mar-April;(367):e7.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

**March 30, 2009** [posted]

# NLM® Resource—TOXMAP® Now Includes TRI 2007

*[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.]*

TOXMAP now includes the 2007 EPA Toxics Release Inventory (TRI) data.

Additionally, TOXMAP now offers the ability to save search results, the ability to zoom to US Indian reservations, and county and Congressional district boundaries that can be toggled on/off.

TOXMAP is a Geographic Information System (GIS) from the Division of Specialized Information Services of US National Library of Medicine® (NLM) that uses maps of the US to help users visually explore data from the US Environmental Protection Agency's Toxics Release Inventory and Superfund Program.

*NLM® Resource—TOXMAP Now Includes TRI 2007. NLM Tech Bull. 2009 Mar-Apr;(367):e8.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

**April 03, 2009** [posted]

# NLM® Journal Donation Program

As the library of record for biomedicine, the National Library of Medicine® (NLM) places a high priority on preserving its print collections.

On March 4, 2009, NLM launched a new NLM Journal Donation Program to ensure that its holdings of journals, indexes, and other serials are as complete as possible. The program encourages libraries to donate volumes that are not already in the NLM collection. For pre-1871 journal volumes, the History of Medicine Division also is interested in replacing deteriorating volumes. More information is available at: http://www.nlm.nih.gov/hmd/about/donate.html.

**By Karen L. Sinkule**
**Preservation and Collection Management Section**

*Sinkule KL. NLM® Journal Donation Program. NLM Tech Bull. 2009 Mar-Apr;(367):e9.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

**April 03, 2009** [posted]

# Updated PubMed® Quick Tours

The NLM® PubMed Quick Tours are now updated to reflect PubMed display changes. You may reach the Quick Tours from thePubMed Online Training page (from the Tutorials link on the PubMed homepage) and from the Dist Distance Education Program Resources page.

*Updated PubMed® Quick Tours. NLM Tech Bull. 2009 Mar-Apr;(367):e10.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**April 03, 2009** [posted]

# Author-First Paragraph Style Format for Citations Available in PubMed®

In 2008, when the PubMed Summary display was changed to a title-first format, the **Send to Text** and **Send to File** options retained the author-first format (see *Title Scanning Easier with New PubMed® Summary Format*).

The author-first format has now been modified to use a paragraph style — popular for references and bibliographies. It has the same information as the Summary display version with these differences: The notations, "No authors listed," "No abstract available," and the PubMed status (e.g., PubMed - in process) are not included, the PMID is preceded by the database name PubMed and the PubMed Central ID (if available) is included at the end.

In the future, this format will also be used for the display of items in My NCBI Bibliographies.

Examples of the PubMed Summary format for the Send to Text and Send to File options:

> Forooghian F, Yeh S, Faia LJ, Nussenblatt RB. Uveitic foveal atrophy: clinical features and associations. Arch Ophthalmol. 2009 Feb;127(2):179-86. PubMed PMID: 19204236; PubMed Central PMCID: PMC2653214.
>
> Chou JY, Mansfield BC. Gene therapy for type I glycogen storage diseases. Curr Gene Ther. 2007 Apr;7(2):79-88. Review. PubMed PMID: 17430128; PubMed Central PMCID: PMC2553691.

**By Annette M. Nahin**
**MEDLARS Management Section**

*Nahin AM. Author-First Paragraph Style Format for Citations Available in PubMed®. NLM Tech Bull. 2009 Mar-Apr;(367):e11.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**April 10, 2009** [posted]

# Skill Kit: Searching Full Author Names in PubMed®

The National Library of Medicine began including the full names of authors in MEDLINE® /PubMed citations to articles published in 2002. Beginning in May 2005 PubMed users were able to search for authors using their full first and last names (referred to here as full name). Please note that "first" name, sometimes called forename or given name, also includes middle names or initials.

To search using a full name, enter the first and last name and click Go (e.g., Harold Varmus) (see Figure 1). You will also get the items in which the author's middle initial was published with his name (i.e., Harold E. Varmus).

***Note:***
Searching by full name is generally limited to citations to articles published from 2002 forward **and** to journals that publish full names of authors. Therefore, the ability to search on full names does not ensure comprehensive retrieval, even from 2002 forward.

• Authors may not

consistently use the same form of their names in all publications

• Many authors have similar or identical names

• Use the auto-complete feature on the Advanced Search page

• Not all journals provide full author names

• Full names display only on the MEDLINE format

**Figure 1: Search Using Full Name**

Full names are not always as simple, memorable, or unique as the example used here. PubMed provides a full author name auto-complete feature on the Advanced Search page. If you are unsure of the author's full name or, for example, you want to search Ryan James but not James Ryan, go to Advanced Search.

On Advanced Search, use the search-by-field section (Search by Author, Journal, Publication Date, and more). Change the Author field to Full Author Name. Start typing the name you want to search. You can enter first name, last name, both, or part of the first or last name. As you type, PubMed will automatically suggest full author names matching your entry (see Figure 2). Select the name you want and click Search. Keep in mind authors may not consistently use the same form of their names in all publications and many authors have similar or identical names.

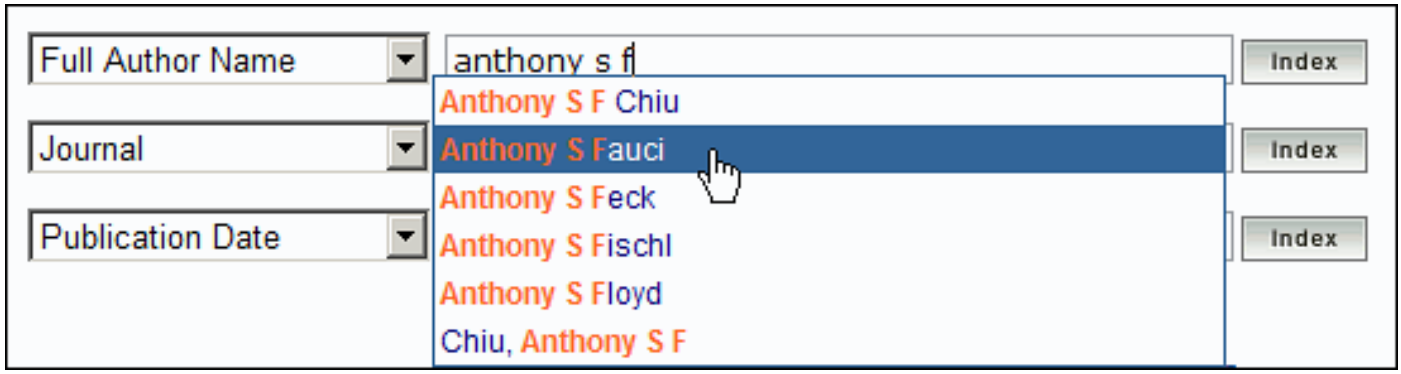

**Figure 2: Advanced Search — Search-by-Field**

## Watch this Quick Tour:

*Searching for an Author*

## Read more about full name searching:

*MEDLINE® Data Changes — 2002*

*PubMed®/MEDLINE® Available with 2002 MeSH and Two Changes*

*Full Author Searching Comes to PubMed®*

*Study Collaborators Included in MEDLINE®/PubMed®*

---

*Skill Kit: Searching Full Author Names in PubMed®. NLM Tech Bull. 2009 Mar-Apr;(367):e12.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

**April 14, 2009** [posted]

# *List of Serials Indexed for Online Users*, 2009 Available in XML

The *List of Serials Indexed for Online Users* (LSIOU), 2009 edition, is now available in XML format. The 2009 edition contains 13,410 serial titles, including titles currently indexed for MEDLINE® as well as titles indexed over time which have ceased or changed titles, listed alphabetically by the journal title abbreviation.

For additional information, see *PDF and Print Versions of NLM Serials Publications Discontinued*.

*List of Serials Indexed for Online Users, 2009 Available in XML. NLM Tech Bull. 2009 Mar-Apr;(367):e13.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**April 16, 2009** [posted]

# Indexing the American Recovery and Reinvestment Act (ARRA) for MEDLINE®

## Background

The recent United States legislation that is intended to spur the US economy, the American Recovery and Reinvestment Act (ARRA), includes substantial funding for the National Institutes of Health (NIH) and for other health care-related activities. Editorials, news items, and other articles about ARRA are already being published in the journals indexed for MEDLINE.

This article is intended to give MeSH® (Medical Subject Headings®) indexing guidance, and, hence, PubMed® searching guidance for articles about ARRA and related topics.

## American Recovery and Reinvestment Act (ARRA)

Citations to articles about ARRA or about the "economic stimulus plan" will be indexed with the following MeSH vocabulary (i.e., MeSH headings/subheadings):

> Financing, Government/legislation & jurisprudence
> United States

## Areas Related to ARRA

Below are some topics related to ARRA or important emerging areas of medical and health services research upon which ARRA funds distributed by NIH may focus. If an article is about a specific topic in relation to ARRA legislation and funding, such as ARRA and regenerative medicine, the article will be indexed with the two MeSH terms above plus the appropriate additional terms suggested below.

### Economic Recession

A number of articles have already been published about the effects of the current economic crisis on health, health care and health behavior, as well as about past economic recessions. Economic Recession is now an Entry Term for Economics. For example, a citation to an article titled "Attempted suicide rates and trends during a period of severe economic recession in Helsinki" has these MeSH terms:

> Economics* (as a major topic)
> Suicide, Attempted/statistics & numerical data* (with the MeSH heading/subheading as a major topic)
> Finland/epidemiology

### Comparative Effectiveness Research

This may be defined as a type of health care research that compares the results of one approach for managing a disease to the results of other approaches. See also the Congressional Budget Office definition on page three of their December

2007 paper called "Research on the Comparative Effectiveness of Medical Treatments." Citations to general articles **abou** **about** comparative effectiveness research have the MeSH heading:

Health Services Research

Health Services Research should not be used for specific studies comparing effectiveness, such as "Comparing the effectiveness of aripiprazole and quetiapine in schizophrenia and related psychoses." Such studies are usually the reports of a clinical trial and are indexed with the appropriate specific MeSH headings and the appropriate clinical trial Publication Type.

**Information Technology for Health Care**
Citations to articles on this very general topic will have the MeSH heading:

Medical Informatics

**Electronic Medical Records**
Citations to articles about electronic medical records will have the MeSH heading:

Medical Records Systems, Computerized

**Regenerative Medicine**
Regenerative Medicine is already a MeSH heading and defined as "a field of medicine concerned with developing and using strategies aimed at repair or replacement of damaged, diseased, or metabolically deficient organs, tissues and cells via TISSUE ENGINEERING; CELL TRANSPLANTATION; and ARTIFICIAL ORGANS and BIOARTIFICIAL ORGANS and tissues."

Citations to articles about regenerative medicine, in relationship to ARRA also being discussed, will have the headings above and:

Regenerative Medicine/legislation & jurisprudence
and, possibly,
Regenerative Medicine/economics

The economics subheading will be used if actual dollar funding levels or costs are substantively discussed.

**Translational Science**
Translational science is also called translational research or translational medicine, and may be defined as efforts to transform scientific discoveries arising from laboratory, clinical, or population studies into clinical applications to reduce disease incidence, morbidity and mortality. Citations to general articles about translational science, translational research, or translational medicine will have the MeSH headings:

Biomedical Research
and
Clinical Medicine

Watch for a future *NLM Technical Bulletin* article to announce if new ARRA-related MeSH headings are introduced for 2010 MeSH.

## Text Word Searching in PubMed

Additional phrases will be added to the PubMed indexes for these searches:

american recovery and reinvestment act [tw]
american recovery [tw]

reinvestment act [tw]
recovery act [tw]

This will allow retrieval of citations to articles that have not yet been indexed with MeSH.

## Additional Information about ARRA and NIH

See also the article entitled "American Recovery and Reinvestment Act (ARRA) of 2009" in this same issue of the *NLM Technical Bulletin* for more information about ARRA and NIH.

**By Lou Wave S. Knecht**
**Bibliographic Services Division**
**and**
**James Marcetich**
**Indexing Section**

---

*Knecht LS, Marcetich J. Indexing the American Recovery and Reinvestment Act (ARRA) for MEDLINE®. NLM Tech Bull. 2009 Mar-Apr;(367):e14.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**April 17, 2009** [posted]

# NLM® History of Medicine Division (HMD) Releases New Finding Aids Search Platform

The Archives and Modern Manuscripts Program at HMD, National Library of Medicine® (NLM) announced the release of a new finding aids search and delivery platform based on the University of Michigan's DLXS (Digital Library Extension Service) software in November 2008.

For the first time, users can search and browse the content of over 190 existing EAD (Encoded Archival Description) encoded collection guides. HMD will soon be adding over 300 EADs describing all of its manuscript holdings have been added, many of which were never described before beyond their catalog records.

The EAD Web site provides this definition for EAD: "Encoded Archival Description (EAD) is a data structure standard for preserving the hierarchy and designating the content of descriptive guides to archival holdings. It enables Internet delivery of these guides and also ensures their permanence by providing a stable, non-proprietary data storage environment from which data can be transferred to other software environments as necessary. In technical terms, EAD comprises a Document Type Definition (DTD) for encoding archival finding aids that is written following the syntactic rules of Standard Generalized Markup Language (SGML) and Extensible Markup Language (XML)."[1]

Users can perform basic and advanced Boolean searches limited by:

- Anywhere in Finding Aid
- Container List only
- Any Scope and Content Note
- Biographical/Historical Note
- Names
- Places
- Subjects

These search features are available both across the entire set of finding aids and within each individual guide. Additional features include a save to Bookbag option with an E-mail function. Finding Aids Help is also available online. Users should note that some of these features are dependent on your session cache, which by Federal Government privacy rules are emptied once you exit the application. Look for more DLXS content beyond EAD in the near future!

For more information, please contact John P. Rees, Curator, Archives and Modern Manuscripts Program, at

reesj@mail.nlm.nih.gov

1 EAD Working Group. Guidelines for Version 1.0. Encoded archival description (EAD) document type definition (DTD). Version 1.0. Chicago (IL): Society of American Archivists; c1999. (Technical document; no. 3). Available from:http://www.loc.gov/ead/ag/aghome.html

*NLM® History of Medicine Division (HMD) Releases New Finding Aids Search Platform. NLM Tech Bull. 2009 Mar-Apr;(367):e15.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

**April 17, 2009** [posted]

# Personal Electronic Health Records Conference at NLM®

The National Library of Medicine® (NLM) is pleased to sponsor the conference *Personal Electronic Health Records: From Biomedical Research to People's Health* on May 20-21, 2009. Additional information and registration available at: http://fnlm.org/Events.html#anchor2009_conference.

*Personal Electronic Health Records Conference at NLM®. NLM Tech Bull. 2009 Mar-Apr;(367):e16.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**April 20, 2009** [posted]

# UMLS® 2009AA Release Available

The 2009AA release of the UMLS Knowledge Sources is available for download as of April 6, 2009. For more information about the release, see the What's New section of the Release Documentation.

RxNorm and SNOMED CT® are also available for download.

In the new UMLS Release there are:

- More than 2.1 million concepts and 8 million unique concept names from over 140 source vocabularies
- Three new sources
  - ICD-10 Procedure Coding System (ICD-10-PCS)
  - International Classification of Functioning, Disability and Health (ICF)
  - International Classification of Functioning, Disability and Health - Children and Youth Version (ICF-CY)
- Two new translations
  - Korean Standard Classification of Disease Version 5 (KCD-5)
  - Latvian translation of the Medical Subject Headings (MSHLAV)
- One new mapping
  - Bi-directional between ICD-9-CM (2007) to ICD-10-PCS (2008)
- 31 updated English sources and 17 updated translation sources
  - These include ICNP, MeSH®, MedDRA, RxNorm, and SNOMED CT (English and Spanish). For a complete list of updated sources see: http://www.nlm.nih.gov/research/umls/updated_sources.html.

Additional release statistics may be found at http://www.nlm.nih.gov/research/umls/release_metadata.html#sb6_0. Detailed information about the new and updated Metathesaurus sources is also available.

To access the UMLS Release files, you must have an active UMLS Metathesaurus® license and a valid UMLSKS account. You will be prompted for your UMLSKS Login ID and Password when downloading the files.

Additional information regarding the UMLS is available on the UMLS homepage. New users are encouraged to take the UMLS Basics Tutorial and to explore the training materials and other information in the New Users' Guide.

## UMLS DVD

As always, the production and mailing of the UMLS DVDs occur about four weeks after the release is made available for download. Those licensees who requested the DVD for the previous release (2008AB) will automatically receive a DVD copy of the current release. If you did not receive the previous release on DVD and want the current release on DVD, send an e-mail to custserv@nlm.nih.gov and include your license code in the message.

## Source Release Documentation

Two new tabs have been added to the Source Release Documentation Web pages under "Statistics and sample data": Semantic Type and Source Overlap. 2009AA Source pages will be published following the release at http://www.nlm.nih. http://www.nlm.nih.gov/research/umls/sourcereleasedocs/index.html

## SNOMED CT Source Restriction Level (SRL) Change

The Source Restriction Level value in the 2009AA UMLS Metathesaurus has been changed from "4" to "9" for the following sources:

- SNOMED CT (SNOMEDCT)
- SNOMED CT Spanish (SCTSPA)
- SNOMED-2 (SNM)
- SNOMED International (SNMI)

There are no changes to the terms of the license, only to the encoding of the SRL in the Metathesaurus. SRL data is encoded in Metathesaurus files: MRCONSO.RRF (MRSO in original release format) and MRSAB.RRF.

*UMLS® 2009AA Release Available. NLM Tech Bull. 2009 Mar-Apr;(367):e17.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

**April 20, 2009** [posted]

# Apply to Host *Harry Potter's World: Renaissance Science, Magic, and Medicine* Exhibition

*[Editor's Note: This is a reprint of a news announcement published on the American Library Association Web site.]*

Public, academic (university, college and community college), and medical libraries can apply to host a new exhibit, "Harry Potter's World: Renaissance Science, Magic, and Medicine." Applications must be received by May 1. The exhibit is sponsored by the American Library Association (ALA) Public Programs Office, in cooperation with the National Library of Medicine® (NLM® ).

Information on the exhibit and how to apply is featured on Thinkfinity.org, a collection of resources featuring librarian specific content from ALA. Thinkfinity @ your library is the Verizon® Foundation comprehensive program and online portal to 55,000 standards-based, grade-specific, K-12 lesson plans and other educational resources provided in partnership with many of the nation's leading educational and literacy organizations. Content for Thinkfinity.org is provided through a partnership between the Verizon Foundation and eleven of the nation's leading organizations in the fields of education and literacy.

Using materials from the NLM History of Medicine collections, the exhibition explores Harry Potter's world, its roots in Renaissance science and the ethical questions that affected not only the wizards in J.K. Rowling's books, but also the historical thinkers featured in the series. Exhibition panels feature the works of 15th- and 16th-century alchemists, naturalists and occultists, and explore the intersection between the Harry Potter novels and Renaissance thinkers, lore and practices.

Following the application process, twelve libraries will be selected to host the exhibition for a four-week display period between September 2009 and November 2010.

*Apply to Harry Potter's World: Renaissance Science, Magic, and Medicine Exhibition. NLM Tech Bull. 2009 Mar-Apr;(367):e18.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**April 23, 2009** [posted]

# *NLM® Classification* 2009 Edition Now Available

The *NLM Classification*, available online at http://www.nlm.nih.gov/class/, incorporates all additions and changes to the schedules and index from April 2008 through March 2009. The PDF version will be updated with 2009 classification data by May 7, 2009.

The W (General Medicine. Health Professions), WZ (History of Medicine. Medical Miscellany), and 19th Century schedules were the major areas of focus for the 2009 edition, along with Table G.

The header titles of the W and WZ schedules were augmented to better reflect the contents of the schedule:

- W was changed from *Health Professions* to *General Medicine. Health Professions*.
- WZ was changed from *History of Medicine* to *History of Medicine. Medical Miscellany*.

Some W, WZ, and 19th Century class number captions and notes were revised to better reflect the scope of the number. For example:

- At W 20.5, the caption *Medical research* was changed to *Biomedical research*.
- At W 10, the following note was added: *Classify works on travel medicine at WA 108*.
- At WZ 350, the caption *Literary and artistic works by physicians and other association items* was changed to *Literary and artistic works by health professionals and associations*.
- At WBA, the caption *Popular medicine* was changed to *Popular medicine. Domestic medicine*.

Table G (geographic breakdown) is now permitted with W 84.6 *Primary health care.*

## Class Numbers Added and Canceled

Seventeen new class numbers were added to the main schedules. For a complete list of the new class numbers, go to http://www.nlm.nih.gov/class/newclasses.html. Four new class numbers were added to the 19th Century schedule. One class number was canceled.

## Class Numbers Added — 2009

| New Number | Class Name | Former Number |
|---|---|---|
| **General Medicine. Health Professions** | | |
| W 20.55.E7 | Ethics in research | W 20.5 |
| W 84.4 | Quality of health care (General) (Table G) | W 84 |
| W 84.41 | General coverage (Not Table G) | W 84.1 |
| W 84.61 | [Primary health care] General coverage (Not Table G) | W 84.6 |
| W 85.2 | Patient satisfaction | W 85 |
| W 85.4 | Patient rights. Advocacy | W 85 |
| **Practice of Medicine** | | |
| WB 107 | Wilderness medicine | None |
| WB 113 | Integrative medicine | None |
| **Respiratory System** | | |
| WF 653 | Lung injury | None |
| **Nursing** | | |
| WY 100.7 | Evidence-based nursing | None |
| **History of Medicine. Medical Miscellany** | | |
| WZ 24 | Archives (General) | None |
| WZ 80.5.H8 | Hispanic Americans | WZ 80 |
| WZ 112.5.G9 | Gynecologists | WZ 112 |
| WZ 112.5.M3 | Midwives. Nurse midwives | WZ 112 |
| WZ 112.5.O2 | Obstetricians | WZ 112 |
| WZ 135 | [Collective biography (by period)] 21st century | None |
| WZ 331 | Medicine, as depicted in art | WZ 330 |

## Class Numbers Canceled — 2009

| Canceled Number | Class Name | Now Classed in |
|---|---|---|

| History of Medicine. Medical Miscellany | | |
|---|---|---|
| WZ 332 | Anniversaries and special events | [Number never used at NLM] |

## 19th Century Schedule Additions

| New Number | Class Name | Former Number |
|---|---|---|
| QTB | Diet | None |
| W 26 | Equipment and supplies | None |
| WOB | Military surgery | None |
| WYA | Military nursing | None |

## Table G (Geographic Notations)

A new Table G Section was created for historical jurisdictions or entities that existed in the past and whose former territories are not encompassed by a single present day country. Some of the jurisdictions listed in this section were removed from the Obsolete Table G Notations section. Some cutters of present day countries are also being used for the historical lands even though these are not one-to-one matches. For example, GR9, the cutter assigned to Russia (Federation), is also assigned to the USSR and Russia (Pre-1917).

## HISTORICAL GEOGRAPHIC LOCATIONS

GC8—Czechoslovakia
GG4—Prussia
GR9—Russia (Pre-1917)
GR9—USSR
GY8—Yugoslavia
JA7—Arabia

## Other Table G changes

DA6—Antigua and Barbuda [Barbuda was added]
JM1—Macau [spelling changed from Macao]
M1—International agencies (General or not listed below) ["1" added to notation]

Two cross-references were added:

- Persia see Iran
- New Guinea see Papua New Guinea

## Other Changes to the Schedule

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

- At WE 259, *Osteochondrosis* was added to the caption.
- At WB 102.5, *Evidence-based medicine* was changed to *Evidence-based practice*.

Instructional notes were added or modified to clarify classification practices as needed, e.g., a note was added to WA 292: *Classify works on wilderness medicine in WB 107*.

## Changes to the Index

Eighty-one new index entries were created of which thirty-four are from the 2009 MeSH®; the remainder are MeSH terms from previous years. All main index headings are linked to the 2009 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:

Physiology terms that changed to Physiological Phenomena, e.g.,
*Child Nutrition Physiology* to *Child Nutritional Physiology Phenomena*

Prescription related terms, e.g.,
*Drugs, Non-Prescription* changed to *Nonprescription Drugs*

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

Index entries with Library of Congress (LC) H 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 2009 Edition Now Available. NLM Tech Bull. 2009 Mar-Apr;(367):e19.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**April 24, 2009** [posted]

# Owners of LOINC, NPU, and SNOMED CT® Begin Trial of Cooperative Terminology Development

*[Editor's Note: This is a reprint of a news announcement published on the NLM® Web site on April 6, 2009.]*

The owners of three standards that contain laboratory test terminology — the *Logical Observation Identifiers, Names, Codes* (LOINC), *Nomenclature, Properties and Units* (NPU), and the *Systematized Nomenclature of Medicine — Clinical Terms* (SNOMED CT) — issued a joint press release on April 6, 2009, announcing an operational Trial of prospective divisions of labor in the generation of laboratory test terminology content. This Trial will provide practical experience and important information on opportunities to decrease duplication of effort in the development of laboratory test terminology and to ensure that SNOMED CT works effectively in combination with either LOINC or NPU.

The terms of the agreement (PDF or HTML) were finalized by the owners of the three standards during a meeting held at the U.S. National Library of Medicine® February 25-27, 2009.

For additional details contact Vivian Auld, Senior Specialist for Health Data Standards, National Library of Medicine.

*Owners of LOINC, NPU, and SNOMED CT® Begin Trial of Cooperative Terminology Development. NLM Tech Bull. 2009 Mar-Apr;(367):e20.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)

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



**April 30, 2009** [posted]

# NLM® Launches New Web Pages on 2009 Flu

*[Editor's Note: This is based on a NLM® News item published on April 28, 2009.]*

The National Library of Medicine® has launched several new Web pages on 2009 flu:

**2009 H1N1 (Swine) Flu**
http://sis.nlm.nih.gov/enviro/swineflu.html
Comprehensive resource for health professionals on Federal Response, International Resources, Genetic Sequence Information, PubMed® Searches, Veterinary Resources and Información en Español.

**Swine Flu— MedlinePlus®**
http://www.nlm.nih.gov/medlineplus/swineflu.html
Information for the general public, patients, family members and caregivers.

**Gripe porcina — MedlinePlus en Español**
http://www.nlm.nih.gov/medlineplus/spanish/swineflu.html
Spanish-language version for the general public.

**Influenza Virus Resource: Information, Search and Analysis**
http://www.ncbi.nlm.nih.gov/genomes/FLU/SwineFlu.html
Resource for researchers and health professionals presents data obtained from the NIAID Influenza Genome Sequencing Project as well as from GenBank®, combined with tools for flu sequence analysis and annotation.

Contact NLM for further information, questions, or comments.

*NLM® Launches New Web Pages on 2009 Flu. NLM Tech Bull. 2009 Mar-Apr;(367):e21.*



U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894
National Institutes of Health, Department of Health & Human Services
Copyright, Privacy, Accessibility
Freedom of Information Act (FOIA)