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b4 2012 January 13 [posted]

New CMT Subsets Available

b3 2012 January 09 [posted]

UMLS Annual Report and SNOMED CT Affiliate Report

b2 2012 January 09 [posted]

2011AB UMLS Release Available on UTS

b1 2012 January 09 [posted]

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PubMed Tutorial

2011 December 27

Grant Number Information Found in the GR Field in MEDLINE/PubMed

2011 December 20

Key MEDLINE Indicators

2011 November 30

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Issue Completed February 27, 2012



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Papers of Henry Swan Added to the National Library of Medicine's Profiles in Science Web Site

2012 January 12

AIDSinfo and infoSIDA Redesigned

2011 December 12

National Library of Medicine Launches YouTube Channel

2011 November 23

New Online Exhibition "Building a National Medical Library on a Shoestring: 1872, the First Year"

2011 November 15

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[U.S. Department of Health and Human Services](#) [Freedom of Information Act](#)

Last updated: 24 February 2012

Permanence level:

Permanent: Stable Content

Versioning in PubMed

Torre S. Versioning in PubMed. NLM Tech Bull. 2012 Jan-Feb;(384):e6.

2012 February 15 [posted]

PubMed now supports versioned citations. Revisions, scientific updates, and updates of reviews are examples of content that could be versioned. Versions are not intended for correcting specific errors in an article, for which published errata notices should continue to be used (see [Fact Sheet](#)).

How Will Versions Be Identified?

The PMID of a versioned citation will remain constant while each version will have a unique version number assigned by PubMed. The combination of PMID and version number in the format PMID.version will be a unique identifier. All citations not versioned will be considered version 1.

There may be occasions when a specific version will be deleted. In these cases, the version number assigned to the deleted version will be skipped, and the next version of the citation will be assigned the following number. Version numbers will not be reused.

Display of Versioned Citations in PubMed

Version information is noted on the Summary, Summary (text), Abstract, and Abstract (text), displays. On the Summary display, the version number is located before the journal title abbreviation. The article's original publication date is retained, and the version publication date is enclosed in square brackets (see [Figure 1](#)).

[Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice.](#)

Dormitzer PR, Rappuoli R, Casini D, O'Hagan D, Runham C, Montomoli E, Baudner B, Donnelly Iii JJ, Lapini G, Wack A.

Version 2 PLoS Curr. 2009 Aug 31 [revised 2009 Sep 1] 1:RRN1025.

PMID: 20029611 [PubMed - as supplied by publisher] [Free PMC Article](#)

[Related citations](#)

Figure 1: Summary display of a versioned citation

The Summary (text) display has a similar format (see [Figure 2](#)).

1: Dormitzer PR, Rappuoli R, Casini D, O'Hagan D, Runham C, Montomoli E, Baudner B, Donnelly Iii JJ, Lapini G, Wack A. Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice. **Version 2** PLoS Curr. 2009 Aug 31 [revised 2009 Sep 1] 1:RRN1025. PubMed PMID: 20029611.

Figure 2: Summary (text) display of a versioned citation.

The Abstract display also indicates the version number and version publication date. Users can easily access prior versions of the citation by clicking on the "Other versions" link. A menu will appear listing all versions with the corresponding publication date. The version currently being viewed is in grey text and is not a link. All other available versions are links that will take the user to the Abstract display for that version (see [Figure 3](#)).

Version 2. PLoS Curr. 2009 Aug 31 [revised 2009 Sep 1];1:RRN1025.

Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice.

Dormitzer PR, Rappuoli R, Casini D, O'Hagan D, Runham C, Montomoli E, Baudner B, Donnelly Iii JJ, Lapini G, Wack A.

Novartis Vaccines and Diagnostics, Cambridge, MA, USA; Novartis Vaccines & Diagnostics; Novartis Vaccines; University of Siena; Novartis and Division of Immunoregulation, National Institute for Medical Research, The Ridgeway, London NW7 1AA.

Abstract

Pandemic H1N1 influenza vaccine antigens are currently being manufactured. The MF59 adjuvant has an established safety profile in humans and a proven ability to increase responses to some influenza vaccines in humans. To inform initial decisions on the use of these vaccine components to protect human populations, we have immunized mice with MF59-adjuvanted or non-adjuvanted pandemic influenza vaccine. Immunizing unprimed mice with a single dose of MF59-adjuvanted vaccine elicits functional antibody titers equivalent to those associated with protection of humans from seasonal influenza. Without adjuvant, two doses are required for a robust antibody response. Unadjuvanted vaccines with 0.5 and 1 microgram of antigen elicit equivalent titers. These data support including MF59 in pandemic flu vaccines to rapidly protect young adults and children, who may have little or no previous exposure to influenza infection or immunization.

PMID: 20029611 [PubMed - as supplied by publisher]

Other versions

Free PMC Article

20029611.1; 2009 Aug 31

20029611.2; 2009 Sep 1

LinkOut - more resources

Figure 3: Using the "Other versions" menu.

The Abstract (text) display shows the version number and version publication date (see Figure 4).

1. Version 2. PLoS Curr. 2009 Aug 31 [revised 2009 Sep 1];1:RRN1025.

Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice.

Dormitzer PR, Rappuoli R, Casini D, O'Hagan D, Runham C, Montomoli E, Baudner B, Donnelly Iii JJ, Lapini G, Wack A.

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PMID: 20029611 [PubMed - as supplied by publisher]

Figure 4: Abstract (text) display of a versioned citation.

Searching and Retrieving Using Versions

Only the most recent version of a citation will be indexed and returned in a PubMed search for a versioned PMID (see Figure 5). The content, e.g., author names, abstract terms, from previous versions will not be included in the PubMed indices. For example, if an author name has been removed from the author list in the most recent version, a PubMed search for that author name will not retrieve the citation. Users can access previous versions from the Abstract display or use one of the methods described below.

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed

[RSS](#) [Save search](#) [Limits](#) [Advanced](#)

Display Settings: Abstract [Send to:](#)

Version 2 [PLoS Curr.](#) 2009 Aug 31 [revised 2009 Sep 1];1:RRN1025.

Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice.

[Dormitzer PR](#), [Rappuoli R](#), [Casini D](#), [O'Hagan D](#), [Runham C](#), [Montomoli E](#), [Baudner B](#), [Donnelly III JJ](#), [Lapini G](#), [Wack A](#).
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PMID: 20029611 [PubMed - as supplied by publisher] [Other versions](#) [Free PMC Article](#)

Figure 5: Searching PubMed for a versioned citation using a PMID.

Search for a specific version of a citation by entering a PMID.version (e.g., 20029611.1) in the PubMed search box (see [Figure 6](#)). To search for multiple versions of a citation at once, use a Boolean OR (e.g., 20029611.1 OR 20029611.2).

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US National Library of Medicine
National Institutes of Health

PubMed

[RSS](#) [Save search](#) [Limits](#) [Advanced](#)

Display Settings: Abstract [Send to:](#)

Version 1 [PLoS Curr.](#) 2009 Aug 31;1:RRN1025.

Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice.

[Dormitzer PR](#), [Rappuoli R](#), [Casini D](#), [O'Hagan D](#), [Runham C](#), [Montomoli E](#), [Baudner B](#), [Donnelly JJ 3rd](#), [Lapini G](#).
Novartis Vaccines and Diagnostics, Cambridge, MA, USA.

Abstract
Pandemic H1N1 influenza vaccine antigens are currently being manufactured. The MF(59) adjuvant has an established safety profile in humans and a proven ability to increase responses to some influenza vaccines in humans. To inform initial decisions on the use of these vaccine components to protect human populations, we have immunized mice with MF(59)-adjuvanted or non-adjuvanted pandemic influenza vaccine. Immunizing unprimed mice with a single dose of MF(59)-adjuvanted vaccine elicits functional antibody titers equivalent to those associated with protection of humans from seasonal influenza. Without adjuvant, two doses are required for a robust antibody response. Unadjuvanted vaccines with 0.5 and 1 microgram of antigen elicit equivalent titers. These data support including MF(59) in pandemic flu vaccines to rapidly protect young adults and children, who may have little or no previous exposure to influenza infection or immunization.

PMID: 20029611 [PubMed] PMCID: PMC2762756 [Other versions](#)

Figure 6: Searching for a specific previous version of a citation.

Search for all versions of a citation by entering the PMID followed by .* (e.g., 20029611.*) in the PubMed search box (see [Figure Z](#)).

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed 20029611.* Search

RSS Save search Limits Advanced

Display Settings: Summary, Sorted by Recently Added Send to:

Results: 2

[Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice.](#)

1. Dormitzer PR, Rappuoli R, Casini D, O'Hagan D, Runham C, Montomoli E, Baudner B, Donnelly JJ 3rd, Lapini G.
Version 1. PLoS Curr. 2009 Aug 31;1:RRN1025.
PMID: 20029611 [PubMed]

[Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice.](#)

2. Dormitzer PR, Rappuoli R, Casini D, O'Hagan D, Runham C, Montomoli E, Baudner B, Donnelly Iii JJ, Lapini G, Wack A.
Version 2. PLoS Curr. 2009 Aug 31 [revised 2009 Sep 1];1:RRN1025.
PMID: 20029611 [PubMed - as supplied by publisher] [Free PMC Article](#)
[Related citations](#)

Figure 7: Searching for all previous versions of a citation.

Retrieve a specific version by explicitly adding the version number after the PMID in the URL, e.g., <http://www.ncbi.nlm.nih.gov/pubmed/20029611.1>. Only a single version can be retrieved at a time using this method.

Publication Dates

PubMed will set the DateCreated for the new version to the date the citation is added to PubMed. We will retain the Entrez Date, which defines the display order in PubMed, as the original date unless the publisher supplies a new PublicationDate. If the PublicationDate on the new version is different, we will modify the Entrez Date so the citation will display at the top of the search results.

Versioning and E-utilities

E-Search will only retrieve the latest version of a citation. E-Fetch can return a PMID.version.

By Sarah Torre
National Center for Biotechnology Information

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Last updated: 15 February 2012
Permanence level:
Permanent: Stable Content

PubMed Results Added to NLM Main Web Site Search Spotlight

Dine B, Heiland-Luedtke J. PubMed Results Added to NLM Main Web Site Search Spotlight. NLM Tech Bull. 2012 Jan-Feb;(384):e5.

2012 January 26 [posted]

In January, the NLM Main Web site search added PubMed results to its spotlight feature. The new "PubMed Citations" tab includes the first five citations returned by PubMed. The results include the title of the citation linked to its PubMed record. Clicking on the "See more article citations..." link retrieves the complete results set for the search term(s) in PubMed.

The spotlight displays up to three tabs depending on the search term(s):

- "NLM Selected Resources" highlights NLM products and services
- "MedlinePlus Health Information" highlights the most relevant MedlinePlus health topic
- "PubMed Citations" highlights the first five article citations as returned by PubMed

Searching for "asthma" (see [Figure 1](#)) retrieves results in all three tabs: the "Breath of Life" site in "NLM Selected Resources" (see [Figure 2](#)), the "Asthma" health topic in "MedlinePlus Health Information" (see [Figure 3](#)), and five article titles about asthma in "PubMed Citations" (see [Figure 4](#)). The user may select one of the other tabs to display its contents in the spotlight.

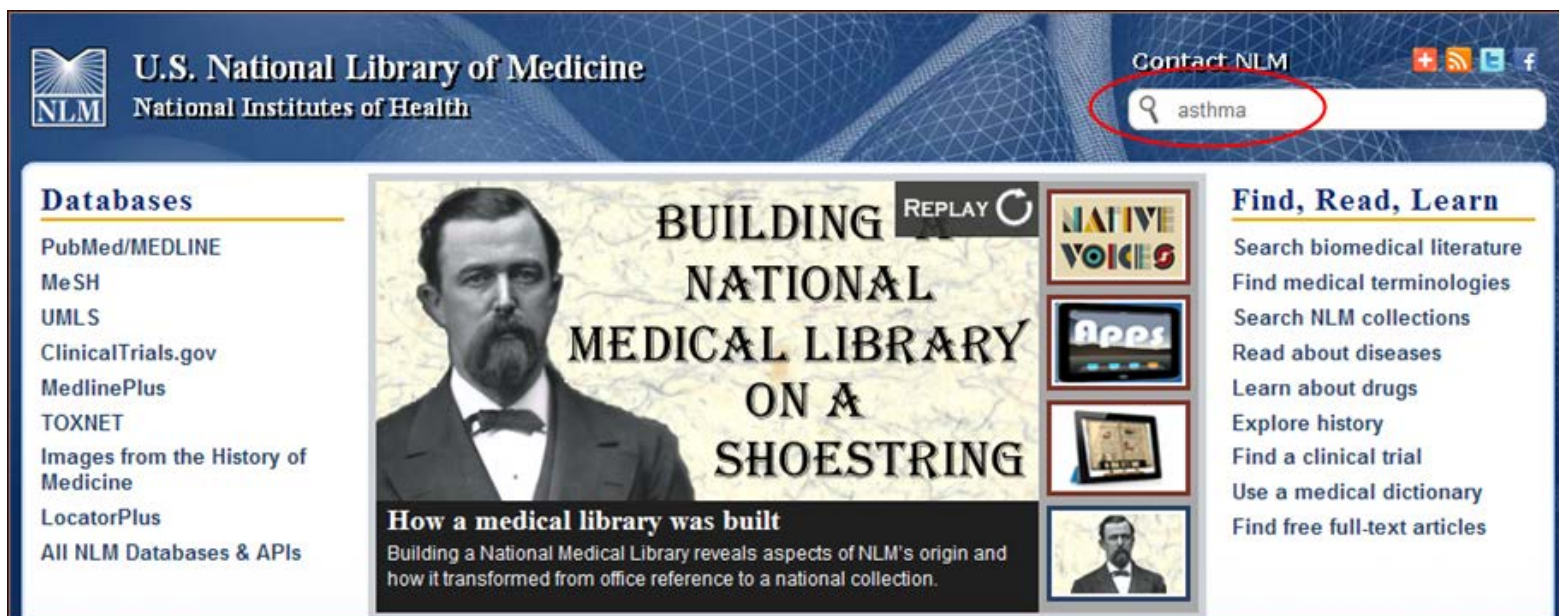


Figure 1: Search for Asthma from the NLM Main Web site.

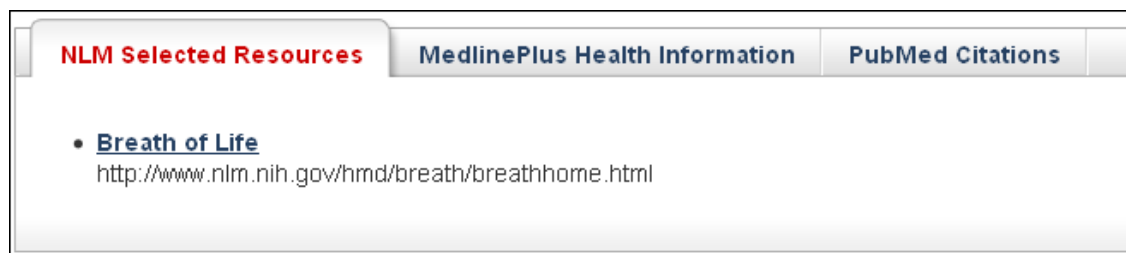


Figure 2: NLM Selected Resources tab displaying the Breath of Life result.


NLM Selected Resources	MedlinePlus Health Information	PubMed Citations
<p>Asthma</p> <p>Asthma is a chronic disease that affects your airways. Your airways are tubes that carry air in and out of your lungs. If you have asthma, the inside walls of your airways become sore and swollen. That makes them very sensitive, and they may react strongly to things that you are allergic to or find irritating. When your airways react, they get narrower and your lungs get less air. This can cause wheezing, coughing, chest tightness and trouble breathing, especially early in the morning or at night.</p> <p>When your asthma symptoms become worse than usual, it's called an asthma attack. In a severe asthma attack, the airways can close so much that your vital organs do not get enough oxygen. People can die from severe asthma attacks. (Read more)</p>		

Figure 3: MedlinePlus Health Information tab displaying the Asthma health topic result.

NLM Selected Resources	MedlinePlus Health Information	PubMed Citations
<ul style="list-style-type: none"> • Hu.4-1BB-Fc fusion protein inhibits allergic inflammation and airway hyperresponsiveness in a murine model of asthma. • The $\alpha\beta6$ integrin modulates airway hyperresponsiveness in mice by regulating intraepithelial mast cells. • [Reducing asthma treatment: is it as simple as it seems?] • Effect of PGI(2) Analogs on Cytokine Expression in Human Myeloid Dendritic Cells via Epigenetic Regulation. • Salmeterol attenuates the inflammatory response in asthma and decreases the pro-inflammatory cytokine secretion of dendritic cells. <p>PubMed home See more article citations about asthma in PubMed</p>		

Figure 4: PubMed Citations tab displaying the first five results for asthma.

A user may also search for PubMed Identifiers (PMIDs), author names, journal title abbreviations, grant numbers, or other PubMed fields. Search tags may be included with the search term(s), but they are not necessary. For example, *smith j* and *smith j [au]* retrieve the same results, just as they would in PubMed.

If there are no results for NLM Main Web, but one or more results from PubMed, only the "PubMed Citations" tab is displayed. For example, searching for the PMID 21421807 retrieves only one result from PubMed (see [Figure 5](#)). Tabs display only when results are found.

The screenshot shows the NLM website interface. At the top left is the NLM logo and the text "U.S. National Library of Medicine National Institutes of Health". To the right is a "Contact NLM" link and social media icons. A search bar contains the number "21421807". Below the search bar are navigation tabs: "Databases", "Find, Read, Learn", "Explore NLM", "Research at NLM", "NLM for You", and "The World's Largest Medical Library". The main content area is titled "Search Results" and shows the search path "Home > Search Results". A search bar with "21421807" and a "GO" button is present, along with a "Search Help" link. Below this, a message states: "Your search for 21421807 returned 1 or more results in PubMed". A "PubMed Citations" tab is active, displaying a single citation: "Effects of 34 risk loci for type 2 diabetes or hyperglycemia on lipoprotein subclasses and their composition in 6,580 nondiabetic Finnish men." Links for "PubMed home" and "See more article citations about 21421807 in PubMed" are provided. At the bottom, there is a footer with copyright information, contact details, and the USA.gov logo.

Figure 5: PubMed Citations tab displaying one result from PubMed and no results from the NLM Main Web or MedlinePlus Health Information.

We welcome feedback on this search enhancement. Send your comments to [NLM Customer Service](#).

By Brooke Dine and Jenny Heiland-Luedtke
Public Services Division

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[U.S. Department of Health and Human Services](#) [Freedom of Information Act](#)

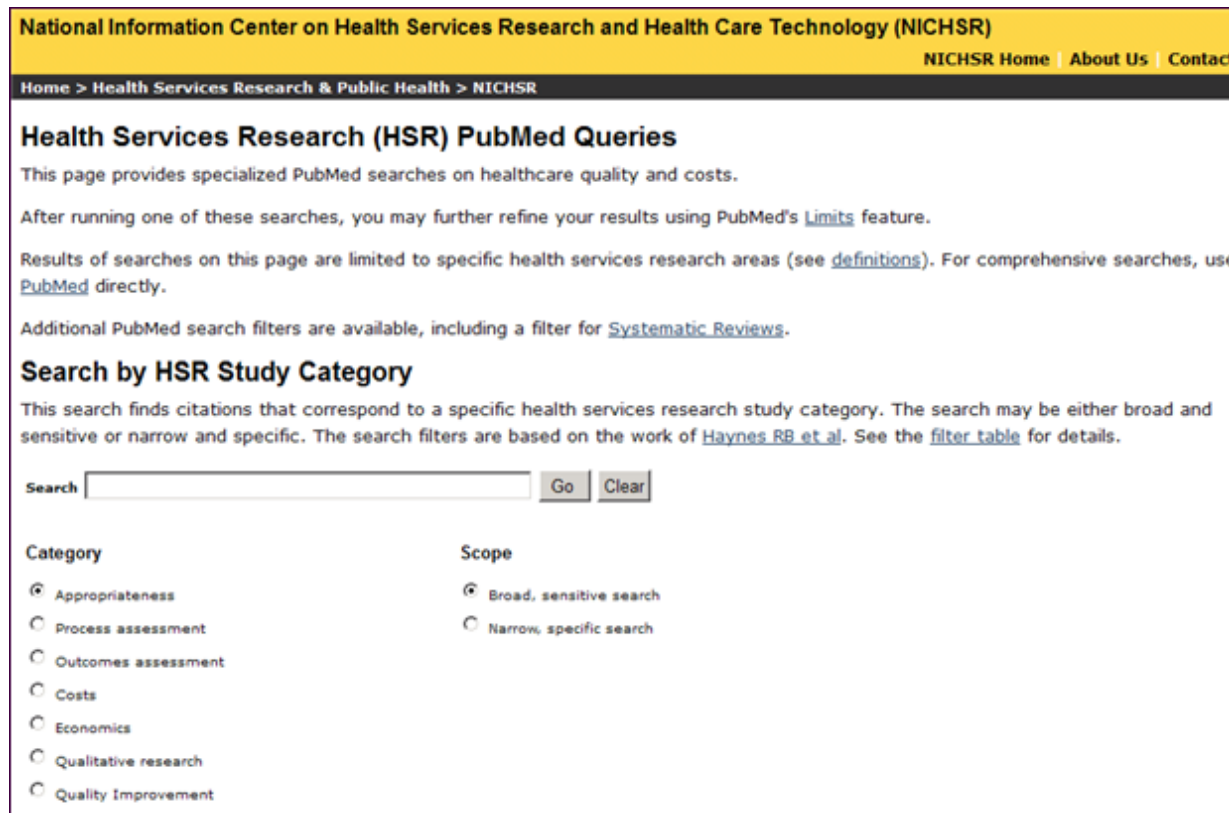
Last updated: 26 January 2012
Permanence level:
Permanent: Stable Content

Quality Improvement Category Added to Health Services Research (HSR) PubMed Queries

Auston I. Quality Improvement Category Added to Health Services Research (HSR) PubMed Queries. NLM Tech Bull. 2012 Jan-Feb;(384):e4.

2012 January 12 [posted]

A new category relating to Quality Improvement (QI) has been added to the [Health Services Research \(HSR\) PubMed Queries](#) page (see [Figure 1](#).)



National Information Center on Health Services Research and Health Care Technology (NICHSR)

NICHSR Home | About Us | Contact

Home > Health Services Research & Public Health > NICHSR

Health Services Research (HSR) PubMed Queries

This page provides specialized PubMed searches on healthcare quality and costs.

After running one of these searches, you may further refine your results using PubMed's [Limits](#) feature.

Results of searches on this page are limited to specific health services research areas (see [definitions](#)). For comprehensive searches, use [PubMed](#) directly.

Additional PubMed search filters are available, including a filter for [Systematic Reviews](#).

Search by HSR Study Category

This search finds citations that correspond to a specific health services research study category. The search may be either broad and sensitive or narrow and specific. The search filters are based on the work of [Haynes RB et al](#). See the [filter table](#) for details.

Search

Category	Scope
<input checked="" type="radio"/> Appropriateness	<input checked="" type="radio"/> Broad, sensitive search
<input type="radio"/> Process assessment	<input type="radio"/> Narrow, specific search
<input type="radio"/> Outcomes assessment	
<input type="radio"/> Costs	
<input type="radio"/> Economics	
<input type="radio"/> Qualitative research	
<input type="radio"/> Quality Improvement	

Figure 1: HSR PubMed Queries page.

Quality Improvement has received close attention during the past decade starting with the [Institute of Medicine \(IOM\)](#) landmark reports ([To Err is Human: Building a Safer Health Care System \(2000\)](#) and [Crossing the Quality Chasm: A New Health System for the 21st Century \(2001\)](#)) and more recently with the 2011 US Department of Health and Human Services National Quality Strategy ([Report to Congress: National Strategy for Quality Improvement in Health Care, March 2011](#)).

Physicians and the health care systems and communities in which they work are increasingly being expected to design, implement, and measure quality improvement interventions and processes that are focused on:

- Better Care: Improving the overall quality, by making health care more patient-centered, reliable, accessible, and safe;
- Healthy People/Healthy Communities: Improving the health of the US population by supporting proven interventions to address behavioral, social and, environmental determinants of health in addition to delivering higher-quality care;
- Affordable Care: Reducing the cost of quality health care for individuals, families, employers, and government¹. ¹

Quality Improvement, introduced as a MeSH heading in 2011, is defined as the attainment or process of attaining a new level of performance or quality. The new QI broad (sensitive) search query goes beyond the MeSH definition to retrieve studies that consider aspects of quality such as Clinical Competence, Outcomes and Process Assessment, Program Evaluation, Quality Indicators, and Quality Assurance. The new QI narrow (specific) search query retrieves studies that are methodologically rigorous and ready for application to practice and thus may not retrieve all studies relating to Quality Improvement. The purpose of these search queries is to help users quickly identify a set of relevant citations as a starting point, using the broad query when time allows or using the narrow query for a more manageable retrieval when there are time constraints. [PubMed Related citations](#) feature is useful for helping further identify relevant citations.

The search strategies (broad and narrow) for this category have been developed by Wilczynski NL, et al., as described in the following publication:

Wilczynski NL, Haynes RB; QI Hedges Team. *Optimal search filters for detecting quality improvement studies in Medline*. Qual Saf Health Care. 2010 Dec;19(6):e31. Epub 2010 Jul 29. PMID: 20671080.

An additional resource is the special topic page on [Quality](#) available from the [HSR Information Central \(HSRIC\)](#) portal.

^{1 1} US Department of Health and Human Services. Report to Congress: National Strategy for Quality Improvement in Health Care. Washington (DC): The Department, March 2011 [cited 2011 Dec 1]. 26 p. Available from: <http://www.healthcare.gov/law/resources/reports/quality03212011a.html>.

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Last updated: 12 January 2012

Permanence level:

Permanent: Stable Content

New Look for the *NLM Technical Bulletin*

New Look for the *NLM Technical Bulletin*. NLM Tech Bull. 2012 Jan-Feb;(384):e3.


2012 January 09 [posted]

The *NLM Technical Bulletin* has a new look. The design may be different but you'll find the same useful information about new and existing NLM products and services.



Current Issue Homepage

The redesigned homepage is divided into five sections (see [Figure 1](#)):

- ① Articles – detailed, new, and useful information for searching NLM systems
- ② In Brief – short informative articles that do not require in-depth explanation
- ③ Updated Web Resources – link directly to recently updated Web pages relevant to searching and NLM data
- ④ NLM News Announcements – topics selected especially for *NLM Technical Bulletin* readers
- ⑤ Most Popular – the three top articles you, our readers, are reading



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NLM TECHNICAL BULLETIN
 U.S. NATIONAL LIBRARY OF MEDICINE | NATIONAL INSTITUTES OF HEALTH

[Current Issue](#) | [Archive](#) | [Indexes](#) | [About](#) | [Stay Current](#)  

<p>Articles ①</p> <p>UMLS Video Learning Resources Web Page e2 2011 December 27 [posted]</p> <p>Grant Number Information Web Page Updated e1 2011 December 20 [posted]</p>	<p>In Brief ②</p> <p>New CMT Subsets Available b3 2011 December 30 [posted]</p> <p>UMLS Annual Report and SNOMED CT Affiliate Report B2 2011 December 30 [posted]</p> <p>2011AB UMLS Release Available on UTS b1 2011 December 30 [posted]</p>	<p>Updated Web Resources ③</p> <p>PubMed Tutorial 2011 December 27</p> <p>Grant Number Information Found in the GR Field in MEDLINE/PubMed 2011 December 20</p> <p>Key MEDLINE Indicators 2011 November 30</p>
<p>NLM News Announcements ④</p> <p>AIDSinfo and infoSIDA Redesigned 2011 December 12</p> <p>National Library of Medicine Launches YouTube Channel 2011 November 23</p> <p>New Online Exhibition "Building a National Medical Library on a Shoestring: 1872, the First Year" 2011 November 15</p>		<p>Most Popular ⑤</p> <p>MEDLINE Data Changes – 2012</p> <p>Newly Maintained MEDLINE for 2012 MeSH Now Available in PubMed</p> <p>PubMed Advanced Search Page Updated</p>

2012 JANUARY–FEBRUARY No. 384
Issue in Process

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Last updated: 31 December 2011
Permanence level:
 Permanent: Stable Content

Figure 1: Redesigned NLM Technical Bulletin current issue homepage.

Indexes

All articles published since 1979 can be found in the two separate online indexes. In addition, articles published about [PubMed](#), [Environmental Health & Toxicology](#), and the [Unified Medical Language System](#) are grouped together by topic (see [Figure 2](#)).

The screenshot shows the NLM Technical Bulletin homepage. At the top right is a search bar with the text "Search NLM Technical Bulletin" and a "GO" button. Below the search bar is the NLM logo and the text "YOUR SOURCE FOR THE LATEST SEARCHING INFORMATION" and "NLM TECHNICAL BULLETIN U.S. NATIONAL LIBRARY OF MEDICINE | NATIONAL INSTITUTES OF HEALTH". A navigation menu includes "Current Issue", "Archive", "Indexes", "About", and "Stay Current" with email and RSS icons. The "Indexes" menu is expanded, showing categories: "1977 - Present", "1979 - 1996", "PubMed", "Environmental Health & Toxicology", and "Unified Medical Language System". On the left, there are "Articles" listed: "UMLS Video Learning Resources Web e2 2011 December 27 [posted]" and "Grant Number Information Web Page e1 2011 December 20 [posted]". On the right, there are "Updated Web Resources": "PubMed Tutorial 2011 December 27", "Grant Number Information Found in the GR Field in MEDLINE/PubMed 2011 December 20", and "Key MEDLINE Indicators 2011 November 30".

Figure 2: Indexes and articles about PubMed, Environmental Health & Toxicology, and Unified Medical Language System.

Stay Current

Be alerted when a new *NLM Technical Bulletin* article is published (see [Figure 3](#)):

- [E-mail updates](#) - Receive a once daily e-mail alert if an article is published or updated
- [RSS](#) - Receive a feed for the *Technical Bulletin* as well as the NLM Web site
- [NLM-Announces](#) - Join this e-mail list to receive a weekly notification of new or recently added content on the NLM Web site including *NLM Technical Bulletin* articles

This screenshot is similar to Figure 1 but highlights the "Stay Current" menu item in the navigation bar with a red circle. The "Stay Current" item includes icons for email and RSS feeds.

Figure 3: Stay current.

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UMLS Video Learning Resources Web Page

Wilder V. UMLS Video Learning Resources Web Page. NLM Tech Bull. 2012 Jan-Feb;(384):e2.

2012 January 09 [posted]

The new Unified Medical Language System (UMLS) [Video Learning Resources Web page](#) consolidates all UMLS-related video tutorials including Quick Tours and Webinars. The new page replaces the separate Quick Tours and Webcasts Web pages. Tutorials are grouped by category and each category is expandable to show its contents (see [Figure 1](#)). The current categories are:

- UMLS License
- Source Vocabularies
- UMLS Terminology Services (UTS)
- Local Installation of UMLS (MetamorphoSys)
- MetaMap
- Terminology Mapping
- RxNorm
- Semantic Network
- Applications Using the UMLS
- SNOMED CT

The page will highlight future Webinars as they are scheduled.

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Unified Medical Language System® (UMLS®) UMLS Quick Start Guide | FAQs | Customer Support | UMLS Site Map

Home > Biomedical Research & Informatics > UMLS > UMLS Training Resources

UMLS Video Learning Resources

Click on a category to browse available UMLS video learning resources.

[Expand All](#) [Collapse All](#)

- ▼ **UMLS License** 2 resources

Title	Runtime	Format
How to Request a License and Create a UTS Account	5 min.	Video Tutorial
Appendix 1: UMLS Source Vocabularies	5 min.	Video Tutorial
- ▶ **Source Vocabularies** 3 resources
- ▶ **UMLS Terminology Services (UTS)** 2 resources
- ▶ **Local Installation of UMLS (MetamorphoSys)** 14 resources
- ▶ **MetaMap** 1 resource
- ▶ **Terminology Mapping** 1 resource
- ▶ **RxNorm** 3 resources
- ▶ **Semantic Network** 1 resource
- ▶ **Applications Using the UMLS** 1 resource
- ▶ **SNOMED CT®** 2 resources

Figure 1: Video Learning Resources Web page.

Questions or comments may be sent to [NLM Customer Service](#).

By Victoria Wilder
MEDLARS Management Section

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Grant Number Information Updated

Tybaert S. Grant Number Information Updated. NLM Tech Bull. 2012 Jan-Feb;(384):e1.

2012 January 09 [posted]

The [Grant Number Information Found in the GR Field in MEDLINE/PubMed](#) Web page has been updated for both new two-letter grant codes and their associated organization abbreviations.

New Grants:

Two-letter Grant Code	Abbreviation (Full Name)
OP	OppNet (NIH Basic Behavioral and Social Science Opportunity Network)
RA	ARRA (American Reinvestment and Recovery Act of 2009)
AF	ACF (Administration for Children and Families)
LS	LSPPPO (Laboratory Science, Policy and Practice Program Office)
ND	ONDIEH (Office of Non-communicable Diseases, Injury and Environmental Health)
OE	OSELS (Office of Surveillance, Epidemiology and Laboratory Services)
OT	OSTLTS (Office for State, Tribal, and Local and Territorial Support)
OW	OWH (Office of Women's Health)
SE	SEPDPO (Scientific Education and Professional Development Program Office)
SH	NCHS (National Center for Health Statistics)
SO	PHSPO (Public Health Surveillance Program Office)
TS	ATSDR (Agency for Toxic Substances and Disease Registry)
OC	ONCHIT (Office of the National Coordinator for Health Information Technology)
BS	FDA (Division of Biologics Standards)
BT	FDA (Center for Biologics Evaluation and Research-Immunology and Infectious Diseases)
BU	FDA (Center for Biologics Evaluation and Research-Clinical Pharmacology and Toxicology)
SU	SAMHSA (Substance Abuse and Mental Health Services Administration)

Changes to existing grants:

Two-letter Grant Code	Old Abbreviation (Old Full Name)	New Abbreviation (New Full Name)
JT	NIH (Joint Funding)	NIH (Joint Grant and Contract Sponsorship)
MD	NCMHD (National Center on Minority Health and Health Disparities)	NIMHD (National Institute on Minority Health and Health Disparities)
WT	WTEP (Worker Education Training Program)	WETP (Worker Education Training Program)
CH	CCID (Coordinating Center for Infectious Diseases)	OID (Office of Infectious Disease)
CK	NCZVBED (National Center for Zoonotic, Vector-Borne, and Enteric Diseases)	NCEZID (National Center for Emerging and Zoonotic Infectious Diseases)
EP	EPO (Epidemiology Program Office)	EAPO Epidemiology and Analytic Methods Program Office)
GH	COGH (Coordinating Office for Global Health)	CGH (Center for Global Health)
HK	NCPHI (National Center for Public Health Informatics)	PHITPO (Public Health Informatics and Technology Program Office)
MN	OMH (Office of Minority Health)	OMHHE (Office of Minority Health and Health Equity)
TP	COTPER (Coordinating Office for Terrorism Preparedness and Emergency Response)	OPHPR (Office of Public Health Preparedness and Response)
WC	OWCDD (Office of Workforce and Career Development)	OWCD (Office of Workforce and Career Development)
BP	FDA (Center for Biologics Evaluation and Research-Transfusion Transmittal Diseases)	FDA (Center for Biologics Evaluation and Research-Transfusion Transmitted Diseases)
AH	BHP (formerly Division of Associated Health Professions)	BHP (Division of Associated & Dental Health Professions)
DH	BHP (formerly Division of Dentistry)	BHP (Division of Associated & Dental Health Professions)
AS	OASH (Office of the Assistant Secretary of Health)	ASC (Administrative Services Center, OASH)
OA	SAMHSA (Office of the Administrator, SAMHSA)	SAMHSA (Office of the Administration)
SP	CSAP (Center for Substance Abuse)	CSAP (Center for Substance Abuse Prevention)

Note that the grant code "TS" is no longer under Agency for Toxic Substances and Disease Registry (ATSDR). It is now under Centers for Disease Control and Prevention (CDC).

For any existing grant number occurrence that expanded only to PHS (Public Health Services), NLM ran an algorithm to discover if any now qualify for one of these new two-letter grant codes. Over 2,000 occurrences were revised to include the fuller expansion that includes a specific office agency.

By Sara Tybaert
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SNOMED CT: Updated CORE and Route of Administration Subsets Available

SNOMED CT: Updated CORE and Route of Administration Subsets Available. NLM Tech Bull. 2012 Jan-Feb;(384):b11.

2012 February 22 [posted]

Two updated SNOMED CT subsets are available for download from both the SNOMED CT and Downloads menus of the [UMLS Terminology Services Web site](#):

1. [CORE Problem List Subset](#), February 2012
2. [Route of Administration Subset](#), January 2012

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Mobile TOXNET Access

Mobile TOXNET Access. NLM Tech Bull. 2012 Jan-Feb;(384):b10

2012 February 15 [posted]

Now you can access the NLM TOXNET with any mobile device.

Mobile TOXNET is an easy to use, mobile-optimized Web interface covering toxicology, hazardous chemicals, environmental health and related areas.

Launch mobile TOXNET at <http://toxnet.nlm.nih.gov/pda/>.

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UMLS Mapping Documentation

UMLS Mapping Documentation. NLM Tech Bull. 2012 Jan-Feb;(384):b9.

2012 February 10 [posted]

The [Metathesaurus](#) chapter of the [UMLS Reference Manual](#) includes a new section on [Mappings](#) that explains how the Metathesaurus represents mappings between its source vocabularies. Mappings provide links from entities in one terminology to entities in another terminology (ex. SNOMED CT to ICD-9-CM). Metathesaurus users will find mapping data in the MRCONSO.RRF, MRSTY.RRF, MRSAT.RRF, MRMAP.RRF, MRSMAP.RRF, and MRREL.RRF files.

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SNOMED CT: International Release, January 2012, Available

SNOMED CT: International Release, January 2012, Available. NLM Tech Bull. 2012 Jan-Feb;(384):b8.

2012 February 10 [posted]

The January 2012 International Release of SNOMED CT is available for download from both the SNOMED CT and Downloads menus of the [UMLS Terminology Services](#) Web site. The download contains SNOMED CT files in both Release Format 1 (RF1) and the new Release Format 2 (RF2) versions.

Additionally, updated RF2 to RF1 compatibility tools are available for download from the same Web page.

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List of Serials Indexed for Online Users, 2012 Available in XML

List of Serials Indexed for Online Users, 2012 Available in XML NLM Tech Bull. 2012 Jan-Feb;(384):b7.

2012 February 09 [posted]

The *List of Serials Indexed for Online Users* (LSIOU), 2012 edition, is now available in [XML format](#). The 2012 edition contains 14,417 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.

Tailored lists of indexed journals may be generated from the NLM Catalog database [Limits page](#). While the 2012 XML version of the LSIOU is a snapshot in time, this Limits page can be used to get a "real time" list for the LSIOU; select the Journal Subset called "Journals currently or previously indexed in MEDLINE" limit. For a list of only the currently indexed MEDLINE journals, select the Journal Subset called "Journals currently indexed in MEDLINE."

Journals newly selected for indexing are announced on this NLM Web resource page three times per year (after October, February, and June): [Journals Recently Accepted by NLM for Inclusion in MEDLINE](#). Journals announced on this page are automatically part of the retrieval from the NLM Catalog searches.

For additional details about searching the NLM Catalog, see [NLM Catalog and Journals Databases Merge](#), [NLM Catalog: New Search Features for Journals Cited in Entrez Databases](#), and the [NLM Catalog Quick Tours](#), in particular, [Searching for Journals in the NLM Catalog](#).

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PubMed Subject Subset Strategies Updated for 2012

PubMed Subject Subset Strategies Updated for 2012. NLM Tech Bull. 2012 Jan-Feb;(384):b6

2012 February 08 [posted]

PubMed subject subset strategies are reviewed each year to determine if modifications are necessary. Modifications may include revisions due to changes in Medical Subject Heading (MeSH) vocabulary or MEDLINE journals, adding or deleting terms, and changing parts of a strategy to optimize retrieval. The following subset strategies were recently revised:

- AIDS
- Cancer
- Complementary Medicine
- History of Medicine
- Toxicology
- Veterinary Science

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The National Library of Medicine TOXMAP and TOXNET Now Include 2010 EPA Toxics Release

The National Library of Medicine TOXMAP and TOXNET Now Include 2010 EPA Toxics Release. NLM Tech Bull. 2012 Jan-Feb;(384):b5.

2012 January 27 [posted]

[TOXMAP](#) and [TOXNET TRI](#) now include the 2010 Toxics Release Inventory data (TRI). Visit the [TOXMAP News](#) for additional information.

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Tox Town Introduces New US Southwest Neighborhood

Tox Town Introduces New US Southwest Neighborhood. NLM Tech Bull. 2012 Jan-Feb;(384):b4.

2012 January 13 [posted]

What is fracking? What are uranium tailings and how can they affect my health?

Answers to these questions can be found in Tox Town's new [US Southwest Scene](#).

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New CMT Subsets Available

New CMT Subsets Available. NLM Tech Bull. 2012 Jan-Feb;(384):b3.

2012 January 09 [posted]

The Ophthalmology Problem List Subset and the updated Cardiology Problem List Subset from Convergent Medical Terminology (CMT) are available for [download](#) from the UMLS Terminology Services (UTS) by UMLS licensees. The Ophthalmology subset includes 2,950 concepts and the Cardiology subset includes 949 concepts. For more information about CMT, see [UMLS News](#) from April 2011 and [Kaiser Permanente Opens Access to CMT to Support HHS Health IT Goals Frequently Asked Questions](#).

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UMLS Annual Report and SNOMED CT Affiliate Report

UMLS Annual Report and SNOMED CT Affiliate Report. NLM Tech Bull. 2012 Jan-Feb;(384):b2.

2012 January 09 [posted]

The Unified Medical Language System (UMLS) reporting requirements for 2011 licensees are now available. You must complete the UMLS Annual Report and the International Health Terminology Standards Development Organisation (IHTSDO) Affiliate License Statement of Account (for SNOMED CT users only) by **January 31, 2012**. If you do not complete the reporting requirements by this deadline, your UTS account will be deactivated.

To access the reports, sign in to the UMLS Terminology Services ([UTS](#)) and click "My Profile."

E-mail questions about UMLS reporting requirements to [NLM Customer Service](#).

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2011AB UMLS Release Available on UTS

2011AB UMLS Release Available on UTS. NLM Tech Bull. 2012 Jan-Feb;(384):b1.

2012 January 09 [posted]

You may now browse the 2011AB Unified Medical Language System (UMLS) Release on the UMLS Terminology Services ([UTS](#)) from the Applications menu, Metathesaurus Browser.

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