

PubMed BASICS

PubMed® is the U.S. National Library of Medicine's (NLM) premiere search system for health information. It is available **free** on the Internet at: <http://pubmed.gov>.

PubMed Content

Nearly 25 million citations including:

- **Publisher supplied citations** that will be analyzed to receive full indexing for MEDLINE if they are biomedical in nature
- **In-process citations** that have not yet been analyzed and indexed for MEDLINE®
- **Indexed for MEDLINE** citations of articles from about 5600 regularly indexed journals; MEDLINE makes up nearly 90% of PubMed

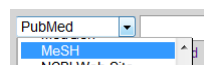
PubMed Features

- Sophisticated search capabilities, including spell checker, Advanced Search Builder, and special tools for searching for clinical topics
- Assistance in finding search terms using the MeSH (Medical Subject Heading) database of MEDLINE's controlled vocabulary
- Ability to store citation collections and to receive email updates from saved searches using PubMed's My NCBI
- Links to full-text articles, to information about library holdings, and to other NLM databases and search interfaces

The National Network of Libraries of Medicine® (NN/LM), an outreach program of NLM™, provides assistance and training nationwide. To find a local library, please call 800-338-7657 or go to <http://nnlm.gov/members>

MeSH Database

[PubMed - indexed for MEDLINE] citations are indexed using a powerful vocabulary called Medical Subject Headings (MeSH).

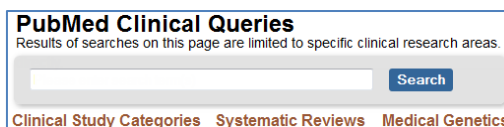


Use the drop-down search menu to access the **MeSH** database. Search for a term or concept and click **Search**. Click on the desired term to view that term (when multiple items are retrieved) and to select subheadings and other options.

Click the **Add to Search Builder** button on the right side of the page to start a PubMed search. Other MeSH searches may be added. Click the **Search PubMed** button to complete the search.

Clinical Queries

PubMed Clinical Queries makes it easy to find articles that report applied clinical research. Click on the link from the PubMed homepage, then enter a search term in the box. Click the **Search** button. Click **See all** at the bottom of the page to return to PubMed.



Clinical Study Categories displays results by diagnosis, etiology, therapy, etc. Use the drop-down menus to change the category or scope.

Systematic Reviews displays evidence-based medicine citations including systematic reviews, meta-analyses, and guidelines.

Medical Genetics displays citations focused on diagnosis, management, genetic counseling, and related topics. Select **All** or a specific topic from the drop-down menu.

Printing, E-mailing, Downloading

After selecting citations (e.g. from checked boxes or **Clipboard**), identify a format (click on **Summary** for additional formats) and print from the browser. Alternatively, select from the **Send to** menu (e.g. **Citation Manager** creates a file in the MEDLINE format for download into citation management software).

My NCBI

PubMed's **My NCBI** feature sets personal preferences, stores both search strategies and citation collections, and creates alerts by offering automatic e-mail updates and RSS Feeds of stored searches. Register for **My NCBI** by creating a User Name and Password.

Accessing Full-Text

Many PubMed citations offer links to the full-text of article through **PMC** (a free digital archive of life sciences journal literature), to library holdings, and to publisher websites. **Loansome Doc** allows registered users to order copies of articles from a medical library. Contact your librarian for details or call your Regional Medical Library at **800-338-7657**.

Assistance and Training

Click on the **Help** link or on **PubMed Tutorials** from the PubMed homepage.

PubMed Searching

To search PubMed, type a word or phrase into the query box (e.g., a subject, author and/or journal). Then click on the **Search** button or press the *Enter* key. Optionally, combine search terms with connector words: AND, OR, or NOT using upper case letters.

PubMed offers alternative searching options: The **Auto Suggest** drop-down menu appears when entering words; and the **Titles with your search terms** option may appear after a search.

After clicking *Enter* or the **Search** button, PubMed displays a list of results in Summary format. To see more information about these citations, click [Summary ▾](#) to change how the results are formatted.

Filters are available in the left navigation column and may be used to limit or focus searches. Click on a term to activate or deactivate the filter. Multiple filters may be selected.

Article types [clear](#)
 Clinical Trial *Example of an active filter.*

The **Filters activated** message appears above the search results list. Applied limits remain in effect until they are removed or cleared.

Filters activated: published in the last 5 years [Clear all](#)

To reveal additional filter options, click **Show additional filters** or **Customize**. Check desired selections then click the **Show** button.

Search details is located in the right navigation column. This box provides information on how PubMed ran the search (i.e. to which MeSH headings and subheadings PubMed mapped a term). PubMed looks first for the entire word or phrase as a MeSH term, next for journal titles, then for authors. PubMed finally searches **All Fields** for the word(s). Update a search by making changes in the Search details box and click **Search** to run the new search strategy.

Advanced

The **Advanced** link provides two options to refine a search:

Use the **PubMed Advanced Search Builder** to create a search using AND, OR, or NOT. Apply a specific field to your term by using the drop-down menu. The **Show index list** displays the search field index and the number of citations for each term. Multiple terms selected from the Index list are combined using OR.

History tracks and numbers search statements. Click on the numbered link to view a menu of options to combine search statements into a new search with AND, OR, or NOT. The search may also be run, deleted, examined in Details, or saved in My NCBI.

Similar articles

This feature searches for citations similar to the one selected. In the Summary format, click on the **Similar articles** link under a citation. When examining a single citation in the Abstract format, select **Similar articles** from the right navigation column.

Filters activated: Free full text. [Clear all](#) to show 1374 items.

- [Trichotillomania and its treatment: a review and recommendations.](#)
- Franklin ME, Zagrabbe K, Benavides KL. Expert Rev Neurother. 2011 Aug;11(8):1165-74. doi: 10.1586/em.11.93. Review. PMID: 21797657 [Free PMC Article](#)
[Similar articles](#) [Item in clipboard](#)

Clipboard

The **Clipboard** feature stores selected citations from one or more searches for eight hours. Select citations by clicking the check box next to them. From the **Send to** menu, select Clipboard; then click the **Add to Clipboard** button. Click on the **Clipboard items** link to view citations. Permanently store citations in PubMed My NCBI **Collections**, also accessed from the **Send to** menu.

Sensors

Sensors display results in a shaded area above the regular PubMed search results.

- **Citation Sensor:** matches search terms with citation elements (e.g. blood choi 2009)
- **Gene Sensor:** identifies gene symbols linking to gene citations and databases (e.g. CFTR)