

# HIV/AIDS Information Resources from the National Library of Medicine

**United Negro College Fund Special Projects Corporation  
HBCU STOP HIV/AIDS Program  
June 15, 2010**







# **HIV/AIDS Information Resources**

*from the*

## **National Library of Medicine**

A Specialized Training Course  
developed for the  
United Negro College Fund Special Programs Corporation (UNCFSP)  
Screening, Testing, Outreach, and Prevention (STOP) HIV/AIDS Program

Presented at the  
UNCFP STOP Orientation

Falls Church, VA  
June 15, 2010

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The Oak Ridge Institute for Science and Education (ORISE) is a U.S. Department of Energy institute focusing on scientific initiatives to research health risks from occupational hazards, assess environmental cleanup, respond to radiation medical emergencies, support national security and emergency preparedness, and educate the next generation of scientists. ORISE is managed by Oak Ridge Associated Universities.

## Preface

As the treatment and management of HIV/AIDS continues to evolve with new scientific breakthroughs, treatment discoveries, and management challenges, it is difficult for people living with HIV/AIDS and those who care for them to keep up with the latest information on HIV/AIDS screening and testing, prevention, treatment, and research. The National Library of Medicine, of the National Institutes of Health, has a wealth of health information resources freely available on the Internet to address these needs.

The HIV/AIDS Information Resources from the National Library of Medicine training is designed specifically for the UNCFSP HBCU Screening, Testing, Outreach, and Prevention (STOP) HIV/AIDS Program project members to provide valuable health information resources from the National Library of Medicine and other reliable sources to increase awareness of the wealth of treatment information and educational materials that are available on the Internet and to improve prevention and treatment education for their clients. These resources will also meet the needs of community-based organizations and AIDS service organizations that need the most accurate and up-to-date information about the management of HIV and AIDS, including clinical trials, HIV/AIDS drugs, treatment guidelines, and medical literature.

The workbook provided contains a brief summary of each NLM resource covered in the class followed by search exercises using realistic scenarios. Additional resources, selected for their quality and relevant content, are also included for your reference.



<http://www.nlm.nih.gov>

The **National Library of Medicine (NLM)**, a part of the National Institutes of Health, is the world's largest medical library with a mission to collect and disseminate trustworthy, reliable health information to health care professionals, researchers, patients, and the public.



<http://www.uncfsp.org>

The **United Negro College Fund Special Programs Corporation (UNCFSP)** serves as a portal to assist minority institutions in receiving educational support services in areas such as capacity building, technical assistance, and workforce development.



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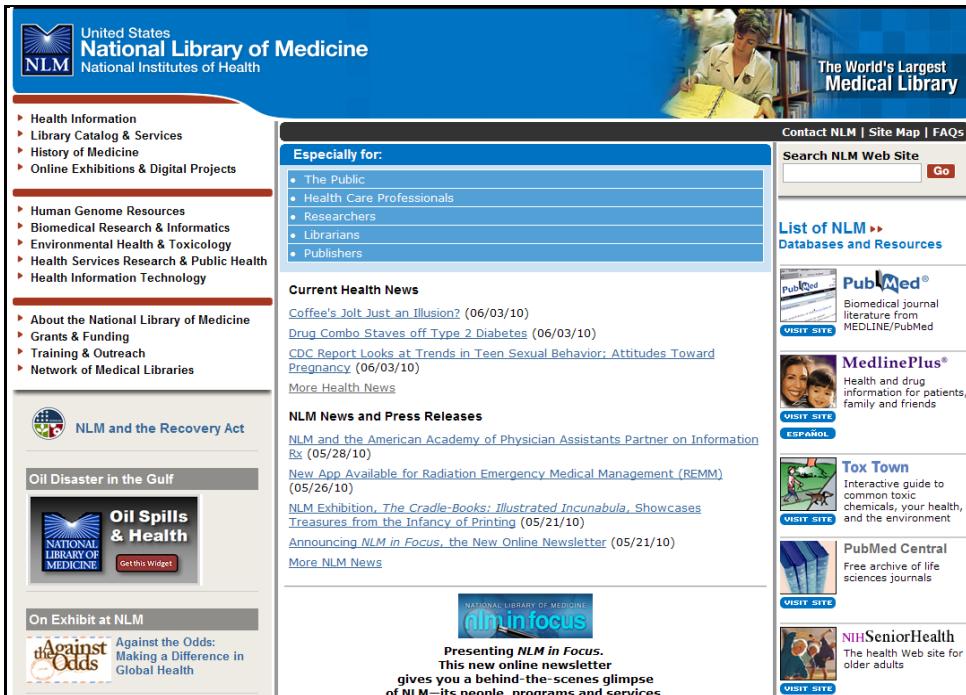
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# Introduction



The screenshot shows the homepage of the National Library of Medicine (NLM) website. The header features the NLM logo and the text "United States National Library of Medicine, National Institutes of Health". A large image of a person working in a library is on the right, with the text "The World's Largest Medical Library" above it. The main content area is divided into several sections:

- Especially for:** A list including "The Public", "Health Care Professionals", "Researchers", "Librarians", and "Publishers".
- Contact NLM | Site Map | FAQs**
- Search NLM Web Site** with a search bar and "Go" button.
- List of NLM Databases and Resources**
- PubMed**: Biomedical journal literature from MEDLINE/PubMed. Includes "VISIT SITE" and "ESPAÑOL" buttons.
- MedlinePlus®**: Health and drug information for patients, family and friends. Includes "VISIT SITE" and "ESPAÑOL" buttons.
- Tox Town**: Interactive guide to common toxic chemicals, your health, and the environment. Includes "VISIT SITE" and "ESPAÑOL" buttons.
- PubMed Central**: Free archive of life sciences journals. Includes "VISIT SITE" and "ESPAÑOL" buttons.
- NIHSeniorHealth**: The health Web site for older adults. Includes "VISIT SITE" and "ESPAÑOL" buttons.

On the left sidebar, there are links for "Health Information", "Human Genome Resources", "About the National Library of Medicine", "NLM and the Recovery Act", "Oil Disaster in the Gulf", and "On Exhibit at NLM". The "Oil Disaster in the Gulf" section includes a "Getthis Widget" button. The "On Exhibit at NLM" section features the "Against the Odds: Making a Difference in Global Health" exhibit.

<http://www.nlm.nih.gov>



## Introduction

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### Purpose

The purpose of this training is to familiarize participants with reliable online health information from the National Library of Medicine (NLM) and other reputable resources that address HIV/AIDS and related medical conditions. Skills and knowledge acquired in this training class will enable representatives of community organizations to effectively access treatment and prevention information to better serve their clients, colleagues, and communities.

### Objectives

After completing this course, participants will be able to:

- ▶ Identify and evaluate quality, accurate, and authoritative online resources pertaining to HIV/AIDS and related medical conditions
- ▶ Demonstrate the ability to perform strategic search techniques in order to find HIV/AIDS treatment and prevention, treatment and research information
- ▶ Apply the skills and knowledge obtained in this course to their organization's health information needs

### NLM Online Resources Covered in this Workbook

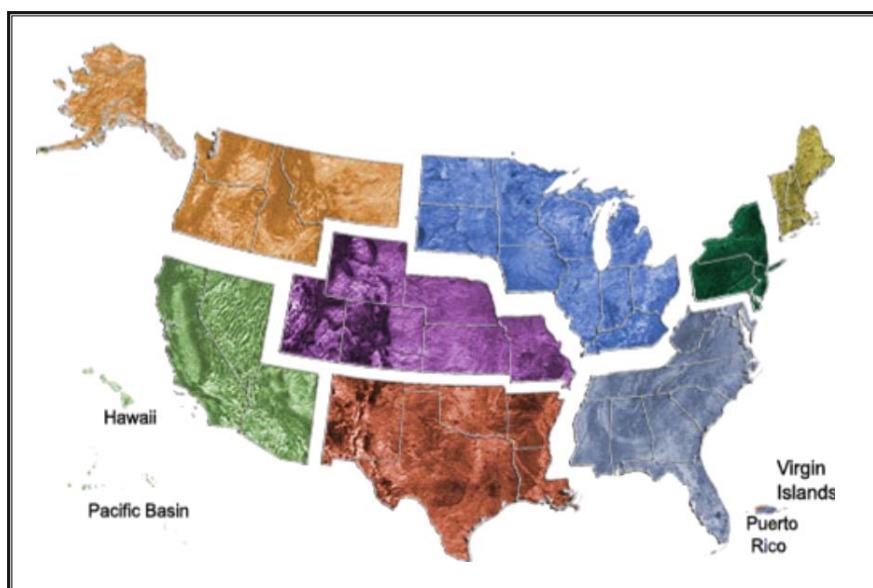
The following key medical information resources are covered in depth with search exercises and suggested solutions that can be used for hands-on practice:

- ▶ **AIDSinfo**—a Department of Health and Human Services Web site that provides the latest federally approved treatment guidelines for health care professionals as well as additional information on treatment, prevention and research for both health care providers and consumers
- ▶ **ClinicalTrials.gov**—regularly updated information about federally and privately supported clinical research for a wide range of diseases and conditions, including locations and phone numbers for more details
- ▶ **MEDLINE/PubMed**—access to more than 19 million references to journal articles published in 5,200 journals in the fields of medicine and the life sciences
- ▶ **MedlinePlus**—a consumer health information resource, including full-text documents on over 800 medical topics, information on drugs, a medical encyclopedia, medical dictionaries, and directories of libraries, hospitals, and health care professionals

- ▶ **NLM Gateway**—a Web-based search interface that allows users to search simultaneously in multiple NLM retrieval systems, providing “one-stop searching” for many of NLM’s information resources and databases
- ▶ **DIRLINE**—an online directory of more than 8,500 health-related organizations offering information and referral for many diseases and conditions

## NLM Database Assistance

Please refer to the inside back cover of this workbook for valuable information on NLM database assistance from the NLM online, by phone, and by e-mail as well as information on contacting your National Network of Libraries of Medicine (NN/LM) Regional Medical Library. The regional libraries work closely with NLM to provide equal access to biomedical information. The map to the right illustrates the eight regions of the NN/LM.



**NN/LM Regions**

# Basic Internet Skills

 United States  
**National Library of Medicine**  
National Institutes of Health

**The World's Largest Medical Library**  


[Contact NLM](#) | [Site Map](#) | [FAQs](#)

**Especially for:**

- The Public
- Health Care Professionals
- Researchers
- Librarians
- Publishers

**Search NLM Web Site**

**List of NLM Databases and Resources**

**PubMed**  
Biomedical journal literature from MEDLINE/PubMed  
[VISIT SITE](#)

**MedlinePlus**  
Health and drug information for patients, family and friends  
  
[VISIT SITE](#) [ESPAÑOL](#)

**Tox Town**  
Interactive guide to common toxic chemicals, your health, and the environment  
  
[VISIT SITE](#)

**PubMed Central**  
Free archive of life sciences journals  
  
[VISIT SITE](#)

**NIHSeniorHealth**  
The health Web site for older adults  
  
[VISIT SITE](#)

**Current Health News**

[Coffee's Jolt Just an Illusion?](#) (06/03/10)  
[Drug Combo Staves off Type 2 Diabetes](#) (06/03/10)  
[CDC Report Looks at Trends in Teen Sexual Behavior; Attitudes Toward Pregnancy](#) (06/03/10)  
[More Health News](#)

**NLM News and Press Releases**

[NLM and the American Academy of Physician Assistants Partner on Information Rx](#) (05/28/10)  
[New App Available for Radiation Emergency Medical Management \(REMM\)](#) (05/26/10)  
[NLM Exhibition, \*The Cradle-Books: Illustrated Incunabula, Showcases Treasures from the Infancy of Printing\*](#) (05/21/10)  
[Announcing \*NLM in Focus\*, the New Online Newsletter](#) (05/21/10)  
[More NLM News](#)

**Oil Disaster in the Gulf**

  
[Get this Widget](#)

**On Exhibit at NLM**

  
**Against the Odds:**  
Making a Difference in Global Health

**NATIONAL LIBRARY OF MEDICINE**  
**nlm in focus**

**Presenting *NLM in Focus*.**  
This new online newsletter  
gives you a behind-the-scenes glimpse  
of NLM—its people, programs and services.

<http://www.nlm.nih.gov>



## Basic Internet Skills

### What is the Internet? . . . the World Wide Web?

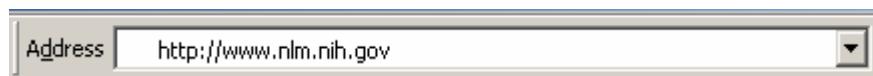
The Internet and the World Wide Web (Web) are not the same thing. The Internet is a worldwide network of computer networks that can all “talk” to each other using languages called “protocols.” The Web is only one portion of the Internet, the best known part, and is viewed with a graphical interface software called a “browser.”

Two commonly used browsers are Microsoft Explorer and Mozilla Firefox. Before you can use the Internet, you must find and contract with an Internet Service Provider (ISP). An ISP provides access to the Internet over a telephone line, a digital subscriber line (DSL), or cable.

See the **Additional Resources** section for links to Web sites with more detailed information on these topics.

### Basic Navigation

Every Web site has a unique address, called a “Uniform Resource Locator” or URL. If you know the URL, you can type it directly into the address field of your browser. For example:



Let's look more closely at the URL. The basic components of a URL are:

- ▶ the protocol name (**http://**),
- ▶ the server name (**nlm.nih.**), and
- ▶ the domain name (**.gov**).

This basic URL will get you to a Web site's home page. Note that not all URLs begin with “www.” For example, the URL for NLM's MedlinePlus Web site is **http://medlineplus.gov**.

If you are going to a sub-page or a document on a Web site's server, there will be additional components, as in the URL shown below: a directory name (**portals**) and/or a filename: (**public.html**).



Every Web browser has a navigation toolbar at the top of the page with buttons and menus that you can use to perform commands. The toolbar can be customized to make the buttons large or small and to add, remove, or change the order of the buttons. Microsoft Explorer's navigation toolbar looks like this:

#### Domain Names

.com	commercial
.edu	educational
.gov	government
.net	network host
.org	non-profit organization

A state within the U.S.:

.tn.us    Tennessee

Some International domain names:

.au	Australia
.de	Germany
.it	Italy



Click...

**Back**...to return to the last page you viewed

**Forward**...to return to a page you viewed before clicking the **Back** button

**Stop**...to cancel opening a new page

**Refresh**...to re-open (reload) the page

**Home**...to go to your starting page (can be customized)

**Search**...to find another Web page to view

**Favorites**...to go to pages you have “bookmarked”

**History**...to view pages you have visited recently

**Print**...to print the page you are viewing

**Mail**...to e-mail the page to someone

In addition to the buttons on the toolbar, there are menus that can be used to perform many more functions. The buttons are actually shortcuts to some of the menu commands.



Click...

**Edit**, and then **Find (on This Page)**...to find key words on the page you are viewing

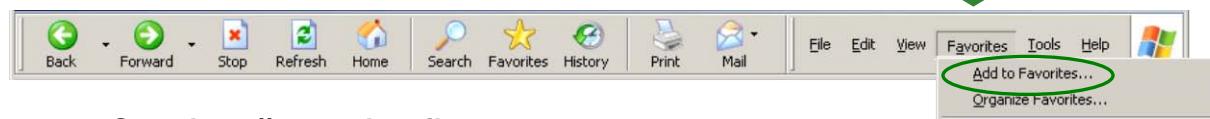
**View**, and then **Text Size**...to increase or decrease the text size on the page

**Favorites**...to bookmark a Web page or to organize your bookmarks

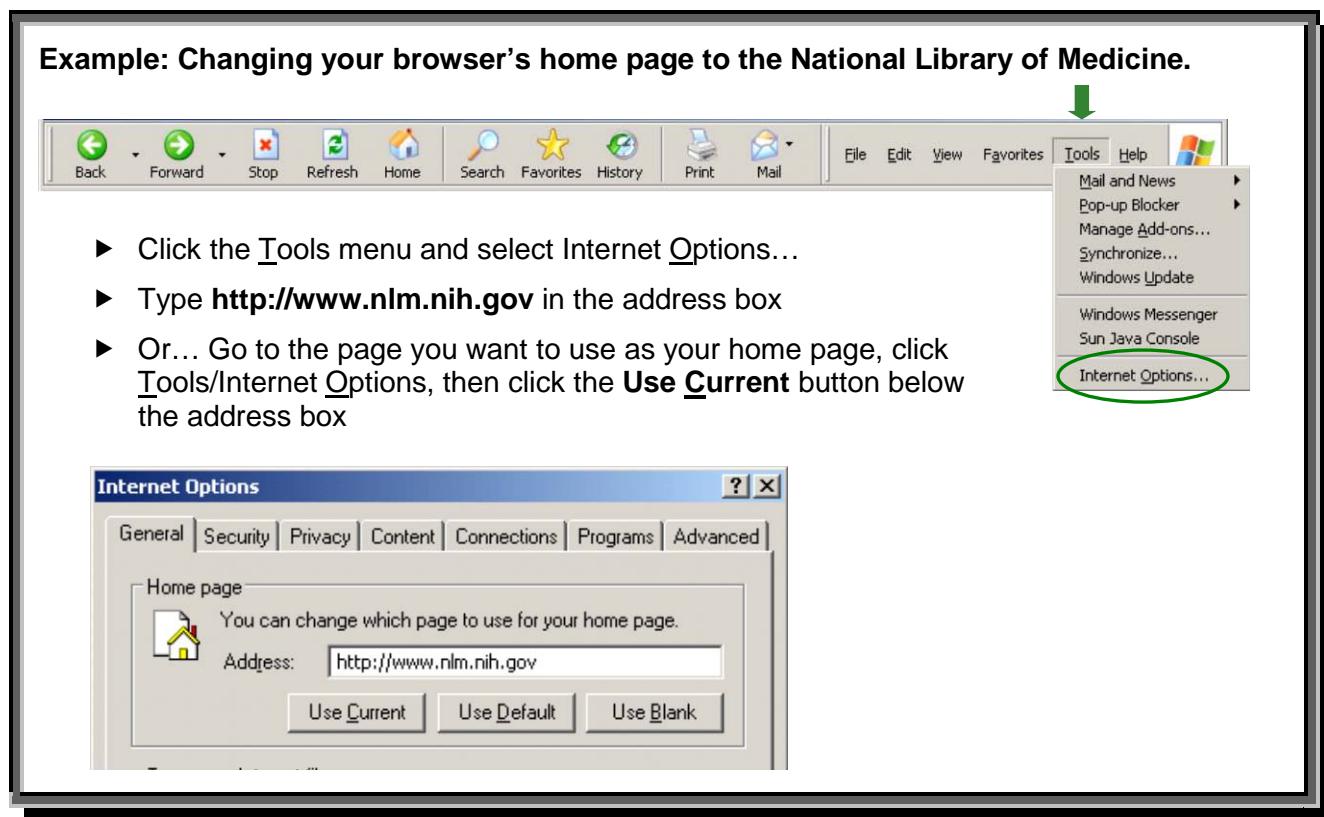
**Tools**, and then **Internet Options**...to customize your browser

**Help**...for help in how to use the Internet with your Web browser

**Example: Bookmarking the National Library of Medicine Web site using the Favorites menu.**



- ▶ Go to <http://www.nlm.nih.gov>
- ▶ Click the Favorites menu and select Add to Favorites



## Printing Web Pages

To print the Web page you are on, you may click the print button on the navigation toolbar or click the File menu and select Print... but be aware that the page may not print as it appears on screen. For this reason, it is best to print via the file menu, which will open your print dialog box and allow you to set preferences, whereas using the print button will send the page directly to your default printer using its default settings.

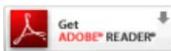
### Tips for Printing Web Pages:

- 1) One Web page can be many printed pages.
- 2) Use Print Preview (from the File menu) to see how many pages will print
- 3) The Web page may have "frames." Click your cursor in the frame you wish to print before printing.

## About Adobe PDF and Adobe Reader

Adobe Portable Document Format (PDF) is a universal file format that has become an international standard for electronic document distribution. Created by Adobe Systems, Inc., PDF allows users to print files as they appear on screen, keeping page numbering and graphics intact. Adobe offers the

free Adobe Reader® program so that anyone can view and print PDF files. To install Adobe Reader, go to <http://www.adobe.com/downloads> and click the **Get ADOBE® READER®** icon.



Tip: Click [System requirements](#) to review the system requirements before downloading and installing the program. To continue, click the [Download Now](#) link below Next Steps, and follow the online instructions.

Adobe Reader has its own toolbar with buttons that allow you to print, save, e-mail, go to the next or previous page, select text and graphics for copying, zoom, sign, and find a word or phrase in the document. The page indicator is also in the toolbar.



Additional buttons on the left allow you to navigate the document, view attachments, and view reply to any comments left by the person who sent the document to you.

Tip: Use the buttons on the Adobe Reader toolbar (not your Web browser's toolbar) to **Print** and **Save PDF files**.

## World Wide Web Search Tools

The primary tools for finding information on the Web are search directories, search engines, and metasearch engines. For a specific list of selected World Wide Web search tools, see page \_\_\_\_.

- ▶ **Search Directory:** Organized by subject and generally smaller than search engines because they are edited by people.
- ▶ **Search Engine:** A software program that indexes documents based on search requests by users. To be included, sites must be submitted by their owners.
- ▶ **Metasearch Engine:** A search engine that queries other search engines and combines the results into one list.

## How to Construct a Search

Before executing a search, you should first formulate your search question. For example, you could ask:

- ▶ What information is available about treatment options for children with HIV?

Next, identify the important concepts within the question:

- ▶ children, hiv, treatment

### YOUR SEARCH STRATEGY

#### PLAN!

- ▶ What are you looking for?
- ▶ Is the Web the best place to find the information?

#### ACT!

- ▶ Know which search tools to use.

#### REVIEW!

- ▶ Did the information you find answer your question?
- ▶ Do you need to redefine, narrow, or expand your topic?

Then, identify the search terms to describe those concepts:

- ▶ children, hiv, treatment

Consider synonyms and variations of those terms:

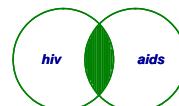
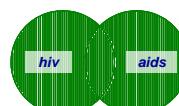
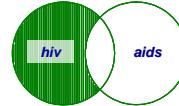
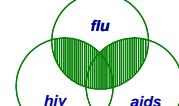
- ▶ children, childhood, juvenile, youth, child, adolescent

In most cases, you want your search results to contain all terms, and the default for most databases is to retrieve records that contain all terms. When entering your chosen terms in the search box, separate them by one space as in the following example:



## Boolean Searching

In Boolean logic, the commands “AND,” “OR,” and “NOT” are used to include or exclude search terms. In the matrix below, each search term is represented by a circle to illustrate the concepts.

<b>hiv AND aids</b> ▶ Retrieves only those records common to the selected sets	
<b>hiv OR aids</b> ▶ Retrieves sets of records that may, but need not, have elements in common	
<b>hiv NOT aids</b> ▶ Retrieves a set of records from which one or more elements have been excluded	
<b>(hiv OR aids) AND flu</b> ▶ Use nested parentheses when using more than one Boolean operator	

## Narrowing a Search

To narrow a search on apples:

- ▶ Add more words: apples macintosh
- ▶ Search as a phrase: “apples macintosh”
- ▶ Exclude words: apples NOT macintosh

## Broadening a Search

To broaden a search on macintosh apples:

- ▶ Use a broader term: apples
- ▶ Use fewer words
- ▶ Do not search as a phrase
- ▶ Do not exclude words

## Additional Resources

For further information, we recommend these additional resources:

- ▶ The List:  
<http://www.thelist.com>
- ▶ Browsers (c|net Dowload.com):  
<http://www.download.com/2001-2137-0.html>
- ▶ Internet Navigator Glossary:  
<http://www-navigator.utah.edu/library/glossary.htm>
- ▶ Sink or Swim: Internet Search Tools and Techniques:  
<http://www.langara.bc.ca/libtech/sinkorswim/search.htm>
- ▶ Web Junction:  
<http://www.webjunction.org>

## Selected World Wide Web Search Tools

### Major Search Directories and Search Engines

- ‘ **AllTheWeb.com** <http://www.alltheweb.com>
- ‘ **AltaVista.com** <http://altavista.com>
- ‘ **Ask.com** <http://ask.com>
- ‘ **Bing.com** <http://www.bing.com>
- ‘ **Google** <http://www.google.com>
- ‘ **HotBot** <http://www.hotbot.com>
- ‘ **MSN Search** <http://search.msn.com>
- ‘ **Yahoo!** <http://www.yahoo.com>

### Meta Search Engines

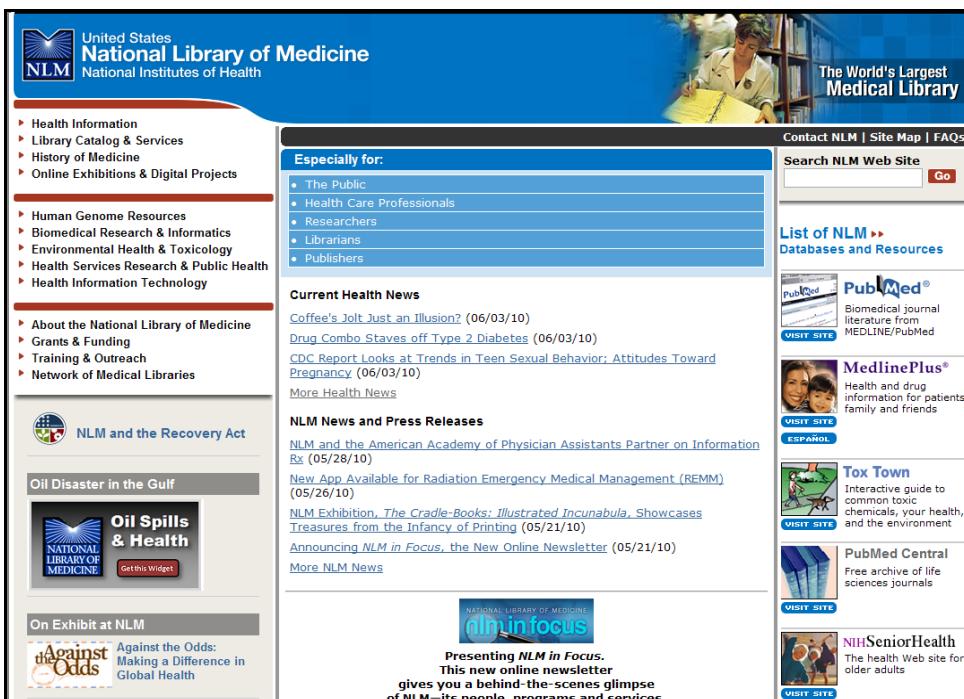
- ‘ **Dogpile** <http://www.dogpile.com>
- ‘ **InfoGrid** <http://www.infogrid.com>
- ‘ **Infonetware RealTerm Search** <http://www.infonetware.com>
- ‘ **Ixquick** <http://www.ixquick.com>
- ‘ **KartOO** <http://www.kartoo.com>
- ‘ **Mamma** <http://www.mamma.com>
- ‘ **Query Server** <http://www.queryserver.com>
- ‘ **SurfWax** <http://www.surfwax.com>
- ‘ **Vivisimo** <http://vivisimo.com>

### Miscellaneous

- ‘ **Search Engine Watch – Information for Web Designers**  
<http://www.searchenginewatch.com>
- ‘ **CataList – Reference Site for LISTSERV® lists**  
<http://www.lsoft.com/lists/listref.html>

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# Navigating the Web for Health Information



The screenshot shows the homepage of the National Library of Medicine (NLM) website. The header features the NLM logo and the text "United States National Library of Medicine, National Institutes of Health". A banner on the right side says "The World's Largest Medical Library" and shows a photo of a person working in a library. The main content area includes a sidebar with links to "Health Information", "Human Genome Resources", "About the National Library of Medicine", "NLM and the Recovery Act", "Oil Disaster in the Gulf", and "On Exhibit at NLM". The main content area has sections for "Especially for:" (The Public, Health Care Professionals, Researchers, Librarians, Publishers), "Current Health News" (with links to "Coffee's Jolt Just an Illusion?", "Drug Combo Staves off Type 2 Diabetes", and "CDC Report Looks at Trends in Teen Sexual Behavior; Attitudes Toward Pregnancy"), "NLM News and Press Releases" (with links to "NLM and the American Academy of Physician Assistants Partner on Information Rx", "New App Available for Radiation Emergency Medical Management (REMM)", "NLM Exhibition, The Cradle-Books: Illustrated Incunabula, Showcases Treasures from the Infancy of Printing", and "Announcing NLM in Focus, the New Online Newsletter"), and "nlm in focus" (with a description of the newsletter and a "VISIT SITE" button). Other sidebar links include "Contact NLM", "Site Map", "FAQs", "Search NLM Web Site", "List of NLM Databases and Resources", "PubMed", "MedlinePlus", "Tox Town", and "PubMed Central". There are also "VISIT SITE" and "ESPAÑOL" buttons for various sections.

<http://www.nlm.nih.gov>



## Finding Quality Health Information on the Internet

The World Wide Web contains an abundance of free health information, available 24 hours per day. Finding health information online is easy, but how do we know that the information we find is reliable and trustworthy?

Link to  
List of NLM's  
Databases  
& Resources

### Evaluating Internet Resources

The **National Library of Medicine** (NLM) is a good place to start to find trustworthy, up-to-date health information. Beyond that, there are some important questions you can ask yourself to determine if a site is trustworthy. Briefly, the categories you should consider are the following:

- ▶ **Authority and Accuracy**
- ▶ **Coverage**
- ▶ **Currentness**
- ▶ **Objectivity**
- ▶ **Design Features**

“Savvy Health Surfing,” developed by the National Library of Medicine, contains a complete list of the questions that should be asked in each category. You will find this pull-out reference sheet in the back of this workbook.

## Additional Resources

For further information, we recommend these additional resources:

- ▶ HON Code of Conduct for Medical and Health Web Sites  
<http://www.hon.ch/HONcode>
- ▶ Evaluating Internet Health Information: A Tutorial from the National Library of Medicine  
<http://www.nlm.nih.gov/medlineplus/webeval/webeval.html>
- ▶ MedlinePlus—Evaluating Health Information  
<http://www.nlm.nih.gov/medlineplus/evaluatinghealthinformation.html>
- ▶ National Network of Libraries of Medicine—Is this health information good for me?  
<http://nnlm.gov/pnr/hip/criteria.html>  
(en Español: <http://nnlm.gov/pnr/hip/informacion.html>)
- ▶ Quackwatch  
<http://www.quackwatch.com>



## Savvy Health Surfing Exercises

Review the following Web sites and determine if each is reliable according to the Savvy Health Surfing criteria discussed in class.

	Authority/ Accuracy	Coverage	Currentness	Objectivity	Design
1: <a href="http://www.thinktwice.com">http://www.thinktwice.com</a>					
2: <a href="http://www.hivpositive.com">http://www.hivpositive.com</a>					
3: <a href="http://www.healthfree.com">http://www.healthfree.com</a>					
4: <a href="http://www.malepregnancy.com">http://www.malepregnancy.com</a>					
5: <a href="http://www.drkoop.com">http://www.drkoop.com</a>					
6: <a href="http://www.drugs.com">http://www.drugs.com</a>					
7: <a href="http://www.thebody.com">http://www.thebody.com</a>					
8: <a href="http://nisa-sids.org">http://nisa-sids.org</a>					
9: <a href="http://www.uoaa.org">http://www.uoaa.org</a>					
10: <a href="http://www.webmd.com">http://www.webmd.com</a>					
11: <a href="http://www.drclark.net">http://www.drclark.net</a>					
12: <a href="http://www.aaem.com">http://www.aaem.com</a>					
13: <a href="http://www.medicalacupuncture.org">http://www.medicalacupuncture.org</a>					
14: <a href="http://www.amaasportsmed.org">http://www.amaasportsmed.org</a>					
15: <a href="http://www.bonetumor.org">http://www.bonetumor.org</a>					
16: <a href="http://www.biausa.org">http://www.biausa.org</a>					
17: <a href="http://www.connectforkids.org">http://www.connectforkids.org</a>					

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# AIDSinfo

**AIDSinfo** INFOSIDA  A Service of the U.S. Department of Health and Human Services

Offering information on HIV/AIDS Treatment, Prevention, and Research

[Live Help](#) [Subscribe to Listserv](#) [Español](#) [Site Tour](#)

Search:  [Go](#)

E-mail: 1-800-HIV-0440 (1-800-448-0440)

[Guidelines](#) [Drugs](#) [Clinical Trials](#) [Vaccines](#) [Health Topics](#) [More AIDSinfo](#)

**GUIDELINES** UPDATED

Guidelines for the treatment of HIV/AIDS, reviewed and updated by experts in the field:

- Treatment / Prevention
- About the HIV Treatment Guidelines
- Download / Order
- PDA Tools

**DRUGS**

Fact sheets on HIV/AIDS-related drugs:

- Search the Drug Database
- FDA-Approved Drugs
- Investigational Drugs

**CLINICAL TRIALS** UPDATED

Find research studies on drugs, vaccines, and other new or existing treatments for HIV/AIDS:

- Search for Clinical Trials
- New HIV/AIDS Trials



CARIBBEAN AMERICAN AIDS  
AWARENESS DAY  
JUNE 8

**VACCINES**

Information on preventative and therapeutic HIV vaccine research:

- Preventive HIV Vaccines
- Therapeutic HIV Vaccines
- Search for Vaccine Trials

**HEALTH TOPICS**

Find resources on HIV/AIDS-related topics:

- Resources
- Fact Sheets
- Microbicides: Drug Info and resources

**MORE AIDSINFO**

More useful AIDSinfo features:

- RSS Feeds
- Live Help
- Order Publications
- PDA Tools
- HIV/AIDS Glossary
- Translation Tool

**Highlights**

- Clinical Trials Search Page Updated - June 8, 2010
- Selbrenavir (maraviroc) labeling changes for patients with renal impairment - June 1, 2010
- Updated Perinatal Guidelines Released - May 24, 2010
- More...

**Features**

- Add AIDSinfo to Your Website
- Homework Help
- At-a-Glance Archive

Receive updates, HIV/AIDS news, and treatment guideline updates.

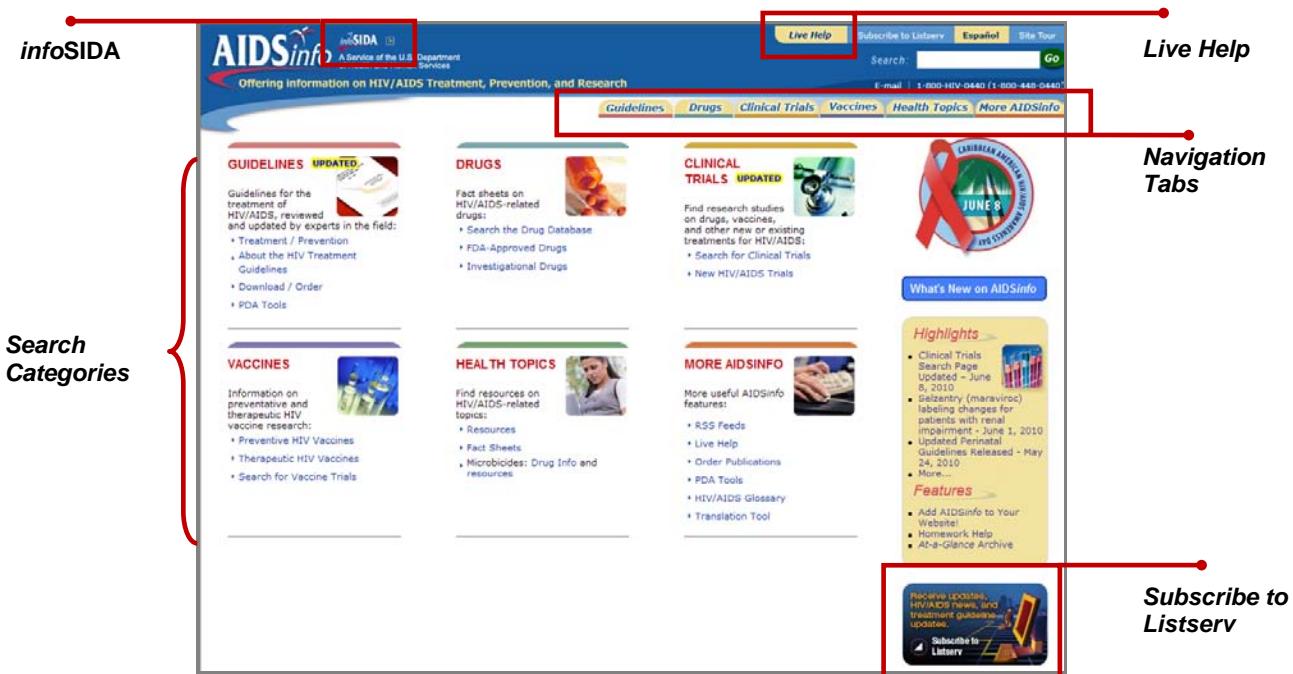
[Subscribe to Listserv](#)

<http://aidsinfo.nih.gov>



## AIDSinfo

**AIDSinfo** is a Department of Health and Human Services Web site that provides the latest federally approved treatment guidelines for health care professionals as well as additional information on treatment, prevention, and research for health care providers and consumers. A comprehensive Spanish version (*infoSIDA*) is also available.



<http://aidsinfo.nih.gov>

### Organization and Features

AIDSinfo is organized around six main categories:

- ▶ **Guidelines**—federally approved HIV treatment and prevention guidelines for HIV infection and AIDS-related illnesses, including the prevention of HIV transmission from occupational exposure, mother-to-child transmission during pregnancy, and prevention and treatment of HIV-related opportunistic infections
- ▶ **Drugs**—records for FDA-approved and investigational HIV/AIDS-related drugs: Patient, Health Professional, and Spanish versions
- ▶ **Clinical Trials**—information on federally and privately funded clinical trials evaluating experimental drugs and other therapies for adults and children at all stages of HIV infection
- ▶ **Vaccines**—information on preventive and therapeutic HIV/AIDS vaccine research

- ▶ **Health Topics**—resources for both patients and health care providers on HIV/AIDS-related topics

Additional features offered under **More AIDSinfo** include:

- ▶ **RSS Feeds**—updates from the weekly AIDSinfo newsletter and the drug database
- ▶ **Publications**—print, electronic, and PDF versions of AIDSinfo publications (single copies of print publications are free)
- ▶ **At-a-Glance Newsletter Archives**—database of back issues of AIDSinfo's electronic newsletter.
- ▶ **Live Help**—confidential one-on-one assistance via the Internet from health information specialists
- ▶ **Homework Help**—resources and references for learning and writing papers about HIV and AIDS for school projects
- ▶ **HIV/AIDS Glossary**—definitions of HIV/AIDS-related terms in English and Spanish
- ▶ **PDA Tools**—Treatment Guidelines for Pocket PC (MS-Windows-based) and Palm PDAs
- ▶ **Translation Tool**—English and Spanish translations of HIV-related terms

### Searching AIDSinfo

To search AIDSinfo, you can type your search term in the search box at the top of any AIDSinfo page or search directly for the type of information you want by clicking the appropriate navigation tab:



### AIDSinfo Drugs Database

Search on drug name, drug class, or approval status, or search alphabetically.

### AIDSinfo Clinical Trials Database

Search on words, conditions, drugs, or locations, or browse by trial category.

## Additional Resources

For further information, we recommend these additional resources:

- ▶ AIDSinfo Brochure  
[http://aidsinfo.nih.gov/contentfiles/ai\\_brochure.pdf](http://aidsinfo.nih.gov/contentfiles/ai_brochure.pdf)
- ▶ AIDSinfo Workbook  
[http://nnlm.gov/training/consumer/nlm\\_databases/chdatabases\\_aids.doc](http://nnlm.gov/training/consumer/nlm_databases/chdatabases_aids.doc)
- ▶ AIDSinfo Glossary  
[http://aidsinfo.nih.gov/ContentFiles/GlossaryHIV-relatedTerms\\_FifthEdition\\_en.pdf](http://aidsinfo.nih.gov/ContentFiles/GlossaryHIV-relatedTerms_FifthEdition_en.pdf)
- ▶ AIDSinfo Glossary Spanish version (Glosario del VIH/SIDA)  
[http://www.aidsinfo.nih.gov/ContentFiles/SpanishGlossary\\_sp.pdf](http://www.aidsinfo.nih.gov/ContentFiles/SpanishGlossary_sp.pdf)
- ▶ *infoSIDA* (Spanish AIDSinfo Web site)  
<http://www.aidsinfo.nih.gov/infosida/>



## AIDSinfo Search Exercises

### Search Example: Locate the latest guidance on HIV testing, counseling, and referral.

Suggested Solution:

- ▶ Go to <http://aidsinfo.nih.gov>
- ▶ Click **GUIDELINES**

- ▶ Click Revised Guidelines for Counseling, Testing, and Referral under **Testing** in the menu bar to the left

- ▶ Click the link “HTML Version (1 KB)” to open and review the document

- ▶ Review the document and close the CDC window

Revised Recommendations for HIV Testing of Adults, Adolescents, and Pregnant Women in Health-Care Settings

Prepared by

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<sup>1</sup>Division of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (proposed)  
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<sup>3</sup>Northrop Grumman Information Technology (contractor with CDC)

- ▶ Click the Guidelines tab to return to the Clinical Guidelines Portal

AIDSinfo inSIDA A Service of the U.S. Department of Health and Human Services

Offering information on HIV/AIDS Treatment, Prevention, and Research

Guidelines Drugs Clinical Trials Vaccines Health Topics More AIDSinfo

Revised Guidelines for Counseling, Testing, and Referral

## Search Exercises: Guidelines

### Exercise 1: Locate treatment guidelines for pregnant women exposed to Novel Influenza A (H1N1).

Suggested Solution:

Click	<u>Perinatal Guidelines</u> under “ <b>Maternal-Child Transmission</b> ” in the menu bar to the left
Click	<u>PDF Version (100 KB)</u> under CDC guidelines for Pregnant Women and Novel Influenza A (H1N1): Considerations for Clinicians
Review	the document and close the pop-up window
Click	the <b>Guidelines</b> tab to return to the Clinical Guidelines Portal

### Exercise 2: Review the most recent Guidelines News topic. Next, subscribe to the AIDSinfo Listserv (optional).

Suggested Solution:

Click	the first topic in the <b>Guidelines News</b> box at the top right of the page
Review	the information
Click	your browser’s <b>Back</b> button to return to the <b>Clinical Guidelines Portal</b> or close the pop-up window
Click	<u>Subscribe to Listserv</u> at the top right of the page
Follow	the directions for subscribing to the Listserv
Click	the <b>Guidelines</b> tab to return to the <b>Clinical Guidelines Portal</b>

**Exercise 3: Conduct a keyword search for Antiretroviral naive of the Adult and Adolescent guidelines. Review the “Considerations for Antiretroviral Use in Special Patient Populations” section of the guidelines.**

Suggested Solution

- Click Adult and Adolescent Guidelines under Antiretroviral Treatment in the menu bar to the left
- Click Search under Guidelines for the Use of Antiretroviral Agents in HIV-1-Infected Adults and Adolescents - January 29, 2008
- Type “**ant**” in the search box
  -  You will get a drop-down menu populated with keywords that contain the same root letters
- Select Antiretroviral naive from the list
- Click Go
- Click Considerations for Antiretroviral Use in Special Patient Populations
- Review the guidelines and close the pop-up window
- Click the **Guidelines** tab to return to the Clinical Guidelines Portal

**Exercise 4: Perform a Guidelines search of your choice. Return to the AIDSinfo home page by clicking the AIDSinfo logo in the top left corner of the page.**

**Search Exercises: Drugs**

**Exercise 5: What class of HIV/AIDS drug is *FTC*? Are there any other names for it? Compare the patient version of the record to the health professional version.**

Suggested Solution:

- Click the **Drugs** tab at the top of the page
- Type **FTC** in the “Drug Name” search box under **Search the Drug Database**
- Click the **Search** button
- Click FTC (Emtriva) under **FDA-approved Drugs**
  -  The page defaults to the **Patient Version**
- Review the information in the Patient Version
- Click **Health Professional Version** and review the information
  -  Note the difference in the detail of information given in the health professional version versus that given in the patient version.
- Click the **Drugs** tab to return to the **AIDSinfo Drug Database**

**Exercise 6: Should *Tenofivir DF* be taken with food? Use the alphabetical search feature.**

Suggested Solution:

Click	<u>T</u> under <b>Alphabetical Search</b>
Click	<b>Tenofivir disoproxil fumarate</b>
Click	<b>Health Professional Version</b>
	 Detailed Information is provided only in the health professional version.
Scroll to	the <b>Drug and Food Interactions</b> section and review the information
Click	the <b>Drugs</b> tab to return to the <b>AIDSinfo Drug Database</b>

**Exercise 7: The FDA recently approved *Maraviroc*, an antiretroviral drug. What are the most common side effects associated with *Maraviroc*?**

Suggested Solution:

Type	<b>maraviroc</b> in the <b>Drug Name</b> search box
Click	the <b>Search</b> button
Click	<b>Maraviroc (Selzentry)</b>
Review	the information in the <b>Possible Side Effects</b> section
Click	the <b>Drugs</b> tab to return to the <b>AIDSinfo Drug Database</b>

**Exercise 8: Using the alphabetical search feature, review the Spanish patient record for *Darunavir*.**

Suggested Solution:

Click	<u>D</u> under Alphabetical Search
Click	<u>Darunavir</u>
Click	<b>Spanish Version</b>
Click	the <b>Drugs</b> tab to return to the <b>AIDSinfo Drug Database</b>

**Exercise 9: View the list of FDA-approved and investigational entry and fusion inhibitors. Review the clinical trial status of one of the investigational drugs.**

Suggested Solution #1:

Click	<u>Entry and Fusion Inhibitors</u> from the <b>Drug Class</b> pull-down menu
Click	the <b>Search</b> button
Review	the list of drugs retrieved
Click	the investigational drug of your choice

- Scroll to the **Clinical Trials** section and click “here” to search ClinicalTrials.gov for trials that use the selected drug
- Review the clinical trial record(s) and close the ClinicalTrials.gov window
- Click the **Drugs** tab to return to the **AIDSinfo Drug Database**

Suggested Solution #2:

- Click Entry and Fusion Inhibitors under “**FDA-approved Drugs**” in the menu bar to the left
  -  Note the drug names that appear below the link in the menu bar
- Click Entry and Fusion Inhibitors under “**Investigational Drugs**”
- Click the investigational drug of your choice
- Scroll to the **Clinical Trials** section and click “here” to search ClinicalTrials.gov for trials that use the selected drug
- Review the clinical trial record(s) and close the ClinicalTrials.gov window
- Click the **Drugs** tab to return to the **AIDSinfo Drug Database**

**Exercise 10: What is the maximum recommended daily dose of *Nevirapine* for children?**  
**Review both the patient and health professional versions of the record for this drug.**

Suggested Solution:

- Type **nevirapine** in the **Drug Name** search box
- Click the **Search** button
- Click Nevirapine (Viramune)
- Review the Recommended Daily Dosage section in the patient record
- Click Health Professional Version and review the dosing information

**Search Exercises: Clinical Trials**

**Exercise 11: Find all HIV/AIDS trials in your home state.**

Suggested Solution:

- Click the **Clinical Trials** tab at the top of the page
- Click **Advance Search**
- Select your home state from the pull-down menu
- Click the **Search** button at the bottom of the page
- Review a study or studies of your choice

- Click your browser's **Back** button or close the pop-up window to return to AIDSinfo
- Click the **Clinical Trials** tab to return to the **Clinical Trials** page

**Exercise 12: Are there any studies investigating kidney complications of HIV/AIDS?**

Suggested Solution:

- Type **kidney disease** in the **Search Term** box
- Click the **Search** button at the bottom of the page
- Review a study or studies of your choice
- Click your browser's **Back** button or close the pop-up window to return to AIDSinfo
- Click the **Advanced Search** to prepare for the next search

**Exercise 13: Are there any clinical trials studying pregnancy and transmission of HIV?**

Suggested Solution:

- Type **transmission** in the **Search Term** box
- Type **pregnancy** in the **Conditions** Box
- Click **Search** button
- Review a study or studies of your choice
- Click your browser's **Back** button or close the pop-up window to return to AIDSinfo
- Click **Advanced Search** to prepare for the next search.

**Exercise 14: Are there any clinical trials studying Kaposi's sarcoma's response to Haart?**

Suggested Solution:

- Type **kaposi's sarcoma** in the **conditions search** box
- Type **haart** in the **interventions search** box
- Click the **Search** button
- Review a study or studies of your choice
- Click your browser's **Back** button or close the pop-up window to return to AIDSinfo
- Click the **Clinical Trials** tab to return to the **Clinical Trials** page

**Exercise 15: Browse the listing of studies investigating HIV prevention in Substance Users.**

Suggested Solution:

- Click **Quick Search** tab
- Click the **Prevention Research** topic
- Click **HIV Prevention in Substance Users** from the expanded list of subtopics
- Review a study of your choice

# 5

# ClinicalTrials.gov

**ClinicalTrials.gov**  
A service of the U.S. National Institutes of Health

Home Search Study Topics Glossary

ClinicalTrials.gov is a registry of federally and privately supported clinical trials conducted in the United States and around the world. ClinicalTrials.gov gives you information about a trial's purpose, who may participate, locations, and phone numbers for more details. This information should be used in conjunction with advice from health care professionals. [Read more...](#)

**► Search for Clinical Trials**  
Find trials for a specific medical condition or other criteria in the ClinicalTrials.gov registry. ClinicalTrials.gov currently has **91,002 trials** with locations in **173 countries**.

**► Investigator Instructions**  
Get instructions for clinical trial investigators/sponsors about how to register trials in ClinicalTrials.gov. Learn about mandatory registration and results reporting requirements and US Public Law 110-85 (FDAAA).

**► Background Information**  
Learn about clinical trials and how to use ClinicalTrials.gov, or access other consumer health information from the US National Institutes of Health.

**Resources:**  
[Understanding Clinical Trials](#)  
[What's New](#)  
[Glossary](#)

**Study Topics:**  
[List studies by Condition](#)  
[List studies by Drug Intervention](#)  
[List studies by Sponsor](#)  
[List studies by Location](#)

 This site complies with the [HONcode standard](#) for trustworthy health information: [verify here](#).

Contact Help Desk  
Lister Hill National Center for Biomedical Communications, U.S. National Library of Medicine  
U.S. National Institutes of Health, U.S. Department of Health & Human Services  
USA.gov, Copyright, Privacy, Accessibility, Freedom of Information Act



<http://clinicaltrials.gov>



## ClinicalTrials.gov

**ClinicalTrials.gov** provides regularly updated information about federally and privately supported clinical research in human volunteers, including the trial's purpose, who may participate, locations where trials are held, contact information, and whether or not the trial is currently recruiting participants. The database currently contains information on more than 91,000 trials with locations in 173 countries.



**ClinicalTrials.gov**  
A service of the U.S. National Institutes of Health

Home Search Study Topics Glossary

Search

ClinicalTrials.gov is a registry of federally and privately supported clinical trials conducted in the United States and around the world. ClinicalTrials.gov gives you information about a trial's purpose, who may participate, locations, and phone numbers for more details. This information should be used in conjunction with advice from health care professionals. [Read more...](#)

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► **Background Information**  
Learn about clinical trials and how to use ClinicalTrials.gov, or access other consumer health information from the US National Institutes of Health.

Contact Help Desk  
Lister Hill National Center for Biomedical Communications, U.S. National Library of Medicine,  
U.S. National Institutes of Health, U.S. Department of Health & Human Services  
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**Resources:**  
[Understanding Clinical Trials](#)  
[What's New](#)  
[Glossary](#)

**Study Topics:**  
[List studies by Condition](#)  
[List studies by Drug Intervention](#)  
[List studies by Sponsor](#)  
[List studies by Location](#)

**Trials listed by Study Topic**

<http://clinicaltrials.gov>

## Searching ClinicalTrials.gov

Click **Search for Clinical Trials** on the home page to access the search page. The system defaults to the Basic Search screen (see below). Type your search term(s) in the search box provided and click the **Search** button.



**ClinicalTrials.gov**  
A service of the U.S. National Institutes of Health

Home Search Study Topics Glossary

Search

Basic Search Advanced Search Studies by Topic Studies on Map

Enter a word or phrase, such as the name of a medical condition or intervention.  
Example: Heart Attack AND Los Angeles

Search

Advanced Search Help

**Advanced Search**

**Basic Search Screen**

Click the **Advanced Search** tab, or the **Advanced Search** link below the search box, to search

using more specific search criteria. For example, you can limit your search to disease or condition, outcome measures, sponsor, state or country of the trial, study type, age group of the participants, and much more. From the List Results screen, you can refine your search by adding more search terms, or click Display Options to select fields to display within your search results.

**ClinicalTrials.gov**  
A service of the U.S. National Institutes of Health

**Basic Search** **Advanced Search** **Studies by Topic** **Studies on Map**

Fill in any or all of the fields below.

Click on a label to the left for further explanation or read the [Help](#).

**Search Terms:**  **Search** [Help](#)

**Recruitment:**  **Study Results:**  **Study Type:**

**Targeted Search:**

**Conditions:**   
**Interventions:**   
**Outcome Measures:**   
**Lead Sponsors:**   Exact Match  
**Sponsors:**   Exact Match  
**Study IDs:**

**Locations:**

**State 1:**  **Country 1:**   
**State 2:**  **Country 2:**   
**State 3:**  **Country 3:**   
**Location Terms:**

**Additional Criteria:**

**Gender:**   
 Child (birth-17)  Adult (18-65)  Senior (66+)

**Age Group:**  Phase I  Phase II

**Phase:**  I  II  III  IV  V  VI  VII  VIII

**Advanced Search Screen**

**ClinicalTrials.gov**  
A service of the U.S. National Institutes of Health

**List Results** **Refine Search** **Results by Topic** **Results on Map** **Search Details**

Found 5877 studies with search of: diabetes

**Display Options**

**Rank** **Status** **Study**

1 **Recruiting** [Study to Find Out If Intensive Diabetes Clinic and Continuous Glucose Monitors Help Teenagers With Diabetes](#)  
Condition: Type 1 Diabetes Mellitus  
Interventions: Behavioral: Diabetes related psychological counseling and education; Device: Continuous Glucose Monitor

2 **Not yet recruiting** [Evaluation of a Diabetes-specific Cognitive Behavioural Treatment for Subthreshold Depression](#)  
Conditions: Depressive Symptoms; Diabetes Mellitus  
Interventions: Behavioral: Diabetes-Specific Cognitive-Behavioral Group Sessions; Behavioral: Educative Group Lesson and Discussion

3 **Completed** [Obese Patients With Type 2 Diabetes](#)  
Conditions: Obesity; Diabetes Mellitus; Non-Insulin-Dependent; Obesity in Diabetes  
Intervention: Drug: Rimonabant (SR141716)

4 **Active, not recruiting** [Exploratory Study of Icicle Oral Rinse in a Diabetic Population](#)  
Conditions: Diabetes Type 2; Periodontitis  
Interventions: Drug: Frio Mouth Rinse Placebo; Drug: Frio Mouth Rinse

5 **Recruiting** [The Effect of a Diabetes Action Team in Patients Post Intraoperative Bypass Surgery With and Without Diabetes](#)  
Conditions: Type 2 Diabetes; Peripheral Vascular Disease  
Interventions: Behavioral: Subjects with diabetes who plan to undergo elective infrarenal bypass surgery will receive standard diabetes care by their admitting physician. Behavioral: Subjects with diabetes who plan to undergo elective infrarenal bypass surgery will receive diabetes care under the

### List Results Screen

**ClinicalTrials.gov**  
A service of the U.S. National Institutes of Health

**List Results** **Refine Search** **Results by Topic** **Results on Map** **Search Details**

Found 5877 studies with search of: diabetes

**Display Options - hide display options**

**Rank** **Status** **Study**

1 **Recruiting** [Study to Find Out If Intensive Diabetes Clinic and Continuous Glucose Monitors Help Teenagers With Diabetes](#)  
Condition: Type 1 Diabetes Mellitus  
Interventions: Behavioral: Diabetes related psychological counseling and education; Device: Continuous Glucose Monitor

2 **Not yet recruiting** [Evaluation of a Diabetes-specific Cognitive Behavioural Treatment for Subthreshold Depression](#)  
Conditions: Depressive Symptoms; Diabetes Mellitus  
Interventions: Behavioral: Diabetes-Specific Cognitive-Behavioral Group Sessions; Behavioral: Educative Group Lesson and Discussion

3 **Completed** [Obese Patients With Type 2 Diabetes](#)  
Conditions: Obesity; Diabetes Mellitus; Non-Insulin-Dependent; Obesity in Diabetes  
Intervention: Drug: Rimonabant (SR141716)

4 **Active, not** [Exploratory Study of Icicle Oral Rinse in a Diabetic Population](#)

### List Results Screen with Display Options

You may also browse ClinicalTrials.gov by condition (or disease), drug intervention, trial sponsor, and trial location.

## Additional Resources

For further information, we recommend these additional resources:

- ▶ NLM Training: NLM Gateway and ClinicalTrials.gov  
<http://www.nlm.nih.gov/pubs/manuals/gwclintrials.pdf>
- ▶ Prescription for Success: Consumer Health Information on the Internet  
<http://nnlm.gov/training/consumer/prescription/>
- ▶ NLM's Consumer Health Databases (National Network of Libraries of Medicine)  
[http://nnlm.gov/training/consumer/nlm\\_databases/](http://nnlm.gov/training/consumer/nlm_databases/)
- ▶ ClinicalTrials.gov Background Information and Other Consumer Health Information  
<http://clinicaltrials.gov/ct2/info>



## ClinicalTrials.gov Search Exercises

**Search Example: Has *Nelfinavir*, a protease inhibitor used to treat HIV infection, been studied as a treatment for a certain cancer?**

Suggested Solution:

- ▶ Go to <http://clinicaltrials.gov>
- ▶ Click **Search for Clinical Trials**

- ▶ Type **nelfinavir cancer** in the search box
- ▶ Click the **Search** button

- ▶ Review record(s) of your choice

- ▶ Click the **Search** link at the top of the page to prepare for the next search

## Search Exercises

### Exercise 1: Do any clinical trials focus on diabetes among minorities?

Suggested Solution:

- Click **Search for Clinical Trials**
- Click the **Advanced Search** tab
- Type **minorities** in the Search Terms box
- Type **diabetes** in the Conditions box
- Click the **Search** button and review record(s) of your choice
- Click **Search** in the header bar to prepare for the next search

### Exercise 2: Has the use of **Acyclovir** to prevent HIV infection in people with genital herpes been studied?

Suggested Solution:

- Click the **Advanced Search** tab
- Type **hiv prevention** in the Search Terms box
- Type **genital herpes** in the Conditions box
- Type **acyclovir** in the Interventions box
- Click the **Search** button and review record(s) of your choice
- Click **Search** in the header bar to prepare for the next search

### Exercise 3: Find all clinical trials studying tuberculosis. Next, limit the results to studies of multi drug-resistant tuberculosis.

Suggested Solution:

- Click the **Advanced Search** tab
- Type **tuberculosis** in the Conditions box
- Click the **Search** button
- Click the **Refine Search** tab
- Type **multi drug resistant** in the Search Terms box
- Click the **Search** button and review record(s) of your choice
- Click **Search** in the header bar to prepare for the next search

**Exercise 4: Using the Studies by Topic feature, retrieve records for clinical trials studying Leukoplakia.**

Suggested Solution:

Click	the <b>Studies by Topic</b> tab
Click	<u>Alphabetic (A-Z)</u> under <b>Conditions</b>
Click	<u>L</u>
Click	<b>Leukoplakia</b>
Review	record(s) of your choice
Click	<b>Search</b> in the header bar to prepare for the next search

**Exercise 5: Find Phase III clinical trials for breast cancer for women living in your state.**

Suggested Solution:

Click	the <b>Advanced Search</b> tab
Type	<b>women</b> in the <u>Search Terms</u> box
Type	<b>breast cancer</b> in the <u>Conditions</u> box
Select	your state from the State pull-down menu
Click	the box beside “Phase III” to the right of “ <u>Phase:</u> ” under <b>Additional Criteria</b> at the bottom of the page
	 Note: click “ <b>Phase:</b> ” for the Study Phase definition
Click	the <b>Search</b> button and review record(s) of your choice
Click	<b>Search</b> in the header bar to prepare for the next search

**Exercise 6: Find all HIV/AIDS clinical trials located in California. Next, map the locations of all HIV/AIDS clinical trials in the United States.**

Suggested Solution:

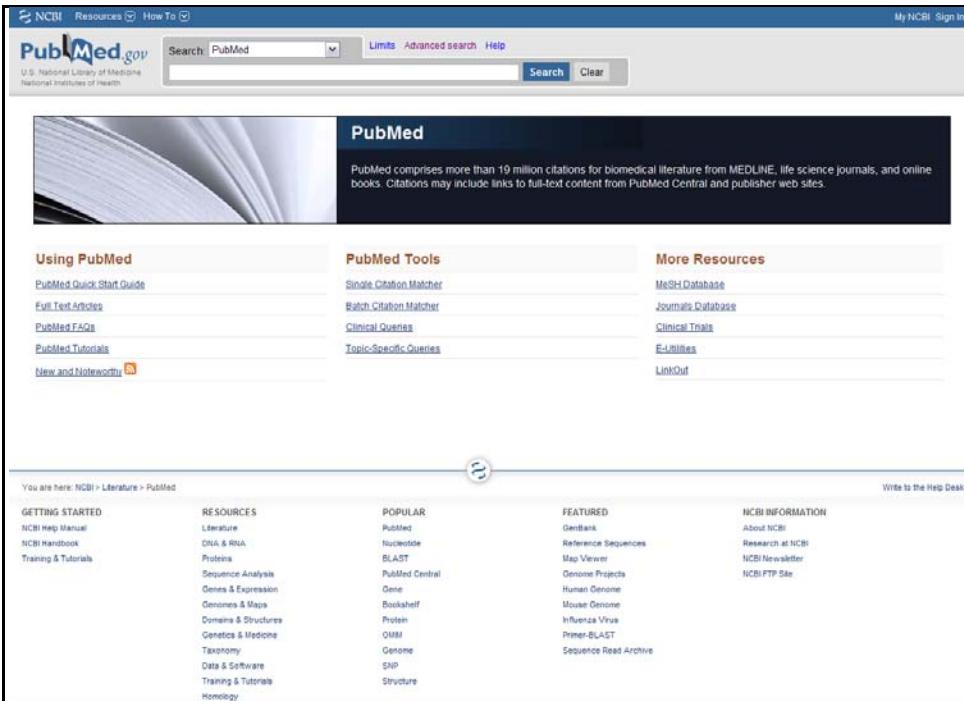
Click	the <b>Advanced Search</b> tab
Type	<b>hiv aids</b> in the <u>Conditions</u> box
Select	<u>United States, California</u> from the State pull-down menu
Click	the <b>Search</b> button and review record(s) of your choice
Click	the <b>Return to Search Results</b> button
Click	the <b>Results on Map</b> tab
Click	the United States on the map
Click	<b>Home</b> in the header bar to prepare for the next search

**Exercise 7: What should people consider before participating in a Clinical Trial? Next, review the definition of a double-blind study.**

Suggested Solution:

- Click **Understanding Clinical Trials** on the right side of the page
- Scroll to **What should people consider before participating in a trial?**
- Review the information
- Click **Glossary** at the top of the page
- Scroll to double-blind study and view the definition

# MEDLINE/PubMed



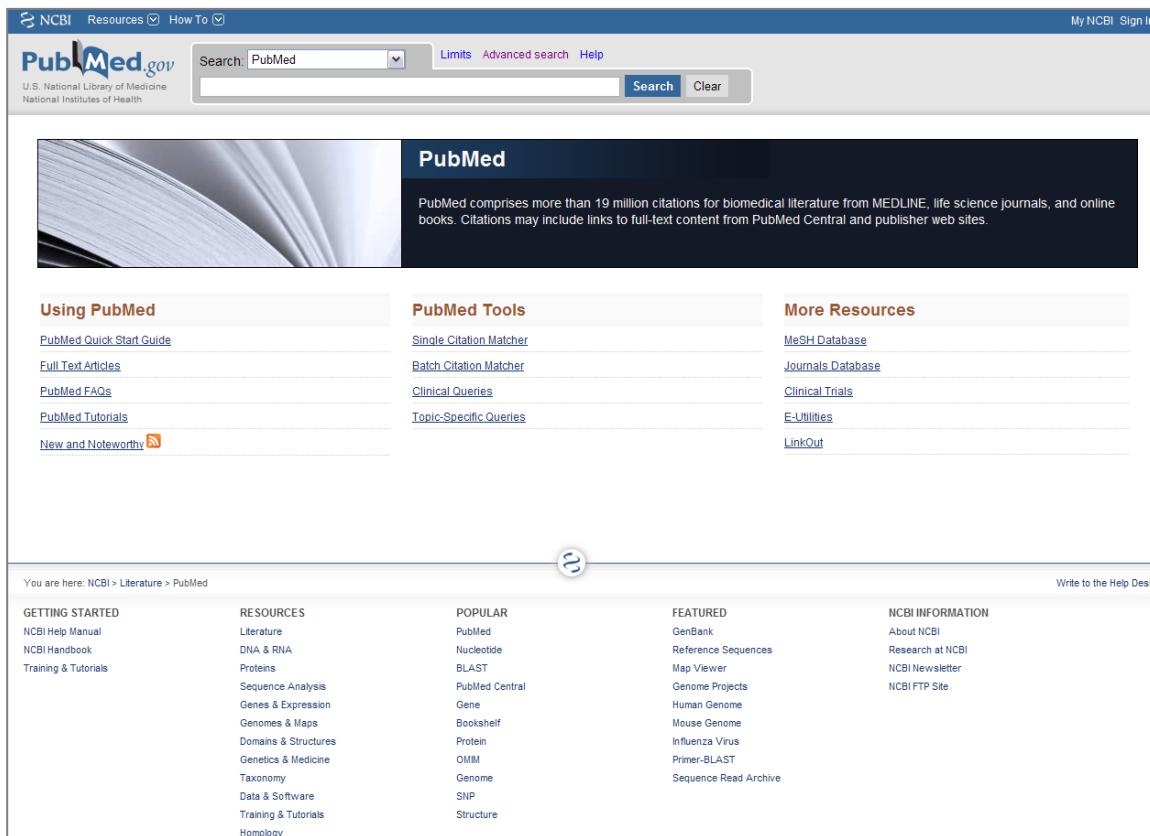
The screenshot shows the PubMed homepage. At the top, there is a search bar with the placeholder "Search PubMed" and a dropdown menu set to "PubMed". Below the search bar, there is a large image of an open book and the text: "PubMed comprises more than 19 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites." The main content area is divided into several sections: "Using PubMed" (with links to "PubMed Quick Start Guide", "Full Text Articles", "PubMed FAQs", "PubMed Tutorials", and "New and Noteworthy"), "PubMed Tools" (with links to "Single Citation Matcher", "Batch Citation Matcher", "Clinical Queries", and "Topic-Specific Queries"), and "More Resources" (with links to "MeSH Database", "Journals Database", "Clinical Trials", "Utilities", and "LinkOut"). At the bottom, there are links for "GETTING STARTED", "RESOURCES", "POPULAR", "FEATURED", and "NCBI INFORMATION", along with a "Write to the Help Desk" link.

<http://pubmed.gov>



## MEDLINE/PubMed

PubMed is a database developed by the National Center for Biotechnology Information (NCBI) at the National Library of Medicine and is available free on the Web. Since 1996, free access to MEDLINE has been available to the public online via PubMed.



The screenshot shows the PubMed homepage. At the top, there is a search bar with "PubMed" in the search field, and buttons for "Search" and "Clear". Below the search bar, there is a large image of an open book and the text "PubMed". A subtext below the image states: "PubMed comprises more than 19 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites." On the left, there is a sidebar with links to "Using PubMed" (PubMed Quick Start Guide, Full Text Articles, PubMed FAQs, PubMed Tutorials, New and Noteworthy) and "PubMed Tools" (Single Citation Matcher, Batch Citation Matcher, Clinical Queries, Topic-Specific Queries). On the right, there is a "More Resources" section with links to MeSH Database, Journals Database, Clinical Trials, E-Utilities, and LinkOut. At the bottom, there is a footer with links to "GETTING STARTED" (NCBI Help Manual, NCBI Handbook, Training & Tutorials), "RESOURCES" (Literature, DNA & RNA, Proteins, Sequence Analysis, Genes & Expression, Genomes & Maps, Domains & Structures, Genetics & Medicine, Taxonomy, Data & Software, Training & Tutorials, Homology), "POPULAR" (PubMed, Nucleotide, BLAST, PubMed Central), "FEATURED" (GenBank, Reference Sequences, Map Viewer, Genome Projects, Gene, Books, Protein, OMIM, Genome, SNP, Structure), and "NCBI INFORMATION" (About NCBI, Research at NCBI, NCBI Newsletter, NCBI FTP Site). There is also a "Write to the Help Desk" link and a "You are here: NCBI > Literature > PubMed" breadcrumb.

<http://pubmed.gov>

### About MEDLINE

PubMed provides access to MEDLINE, NLM's premier bibliographic database containing citations and author abstracts from approximately 5,200 biomedical journals published in the United States and worldwide. PubMed also provides access to citations for selected articles in life science journals not included in MEDLINE and additional relevant Websites and links to molecular biology resources.

### Content

The scope of MEDLINE includes such diverse topics as microbiology, delivery of health care, nutrition, pharmacology and environmental health. Categories covered in MEDLINE include everything from anatomy, organisms, diseases, psychiatry, and psychology to the physical sciences. Coverage extends back to 1948.

## PubMed Home Page

The NCBI Header includes an NCBI Resources pull-down menu categorized by topic, a How to Menu, and the sign-in for My NCBI. The search bar has the database selection menu and includes a link to Advanced Search and help.

Access to popular tools and resources may be found under PubMed Tools (e.g., Single Citation Matcher and Clinical Queries) and More Resources (e.g., MeSH Database, PubMed Tutorials, and Journals Database).

The screenshot shows the PubMed homepage with several key features highlighted:

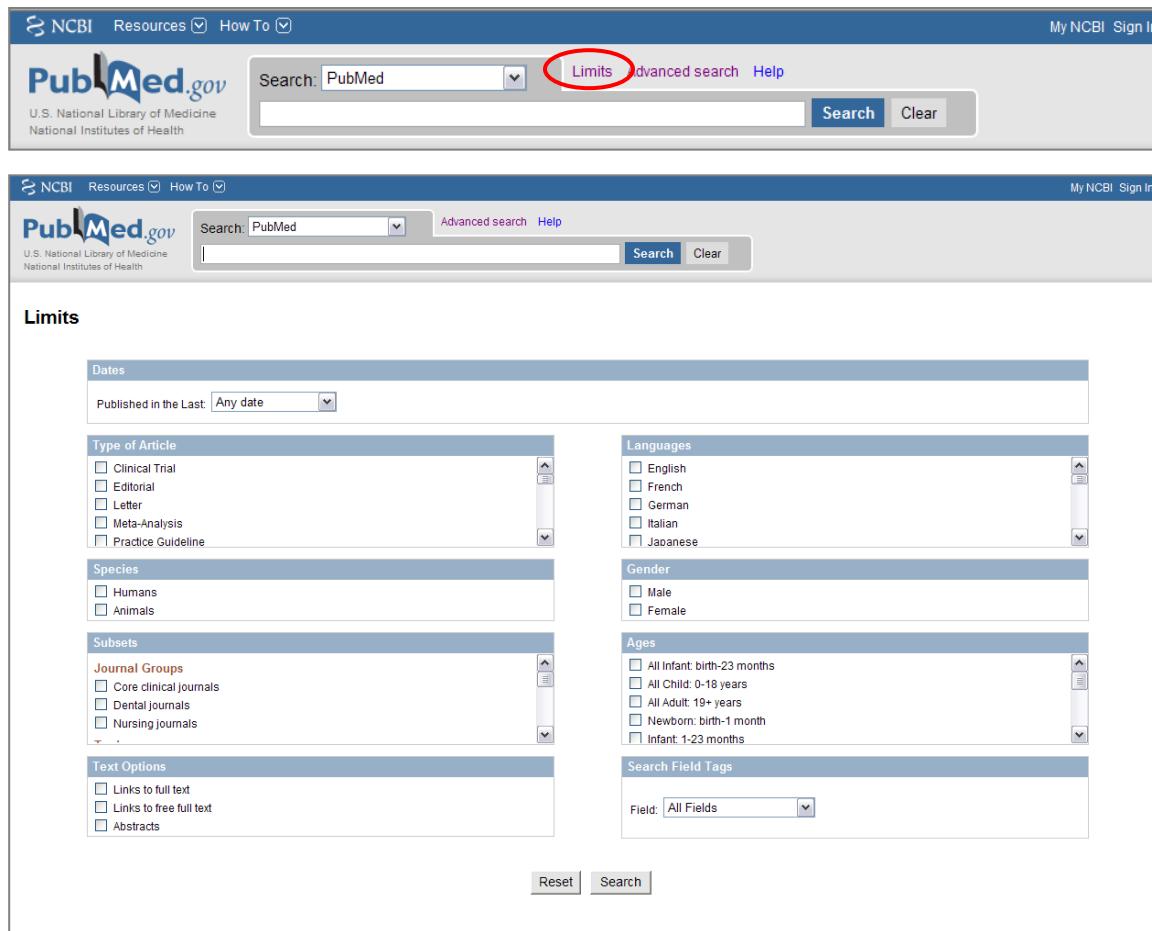
- Search Box:** Located at the top left, it contains a search input field with "PubMed" typed in, a dropdown menu for "Database", and buttons for "Search" and "Clear".
- My NCBI:** Located at the top right, it includes a "My NCBI" link and a "Sign In" button.
- Using PubMed:** A sidebar on the left with links to "PubMed Quick Start Guide", "Full Text Articles", "PubMed FAQs", "PubMed Tutorials", and "New and Noteworthy".
- PubMed Tools:** A section in the center with links to "Single Citation Matcher", "Batch Citation Matcher", "Clinical Queries", and "Topic-Specific Queries".
- More Resources:** A section in the center with links to "MeSH Database", "Journals Database", "Clinical Trials", "E-Utilities", and "LinkOut".
- Footer:** At the bottom, it includes a "Write to the Help Desk" link and a "Footer-includes links to many NCBI resources" note pointing to the "NCBI INFORMATION" section which lists various NCBI databases and services.

## Searching PubMed

Enter your search term(s) into the search box and click the Search button for basic searching. To find an author, enter the author's last name, then first and second initials (e.g., smith ja). Other search options include the following:

- To search for a journal, use the Journals Database—allows searching by topic, journal title/abbreviation, ISSN, or browsing by subject terms.
- To build a search strategy with MeSH terms, use the MeSH Database—NLM's controlled Medical Subject Heading (MeSH) vocabulary provides a consistent way to retrieve information that may use different terminology for the same concepts.
- To search for specific types of references, use either Clinical Queries or Topic-Specific Queries.

Click Limits to limit your search by full text or free full text, and abstracts; dates published or added to PubMed; humans or animals (studies); gender; languages; publication types; age group; and more.



The screenshot shows the PubMed search interface. At the top, there is a search bar with 'PubMed' selected. Below the search bar, the word 'Limits' is highlighted with a red circle. The main area is titled 'Limits' and contains several filter sections: 'Dates' (Published in the Last: Any date), 'Type of Article' (Clinical Trial, Editorial, Letter, Meta-Analysis, Practice Guideline), 'Species' (Humans, Animals), 'Subsets' (Journal Groups: Core clinical journals, Dental journals, Nursing journals), 'Text Options' (Links to full text, Links to free full text, Abstracts), 'Languages' (English, French, German, Italian, Japanese), 'Gender' (Male, Female), 'Ages' (All infant: birth-23 months, All Child: 0-18 years, All Adult: 19+ years, Newborn: birth-1 month, Infant: 1-23 months), and 'Search Field Tags' (Field: All Fields). At the bottom of the 'Limits' section are 'Reset' and 'Search' buttons.

## Search Results

Search results initially display in a summary format in the order they were entered in PubMed as last in, first out. By default, the system displays 20 citations per page. Search results include:

- Links to related articles for all citations—click the Related Articles link below the citation
- Links to free full text articles, if available,—click Free article below the citation
- Links to free full text journal articles at Web sites of participating publishers—click Free Full Text under Filter your results
- Links to other NLM resources for additional information—see on the right side of your Search Results page, Titles with your search terms, Free Full-text articles in PubMed Central, Find Related Data and other related information

To display the abstract for a journal article, click the title link. Some citations do not have abstracts and will include the note "No abstract available."

## My NCBI

My NCBI is an easy way to SAVE and UPDATE searches on topics of continuing interest. You can choose filters that group your search results. Search updates will automatically be e-mailed to you if selected. To use My NCBI, you must first register and your browser will need to allow pop-ups from the NCBI Web page. Click My NCBI on the right side of the NCBI header.

## Ordering Documents

Loansome Doc is an automated document ordering program that allows you to order the full text of an article from a Loansome Doc participating library. To access this feature, click **Send to:** on your Search Results page. Under Choose Destination select Order then click on Order articles. Users must register to use this service.

## Additional Resources

For further information, we recommend these additional resources:

- PubMed Help (an online Help book)  
<http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=helppubmed.chapter.pubmedhelp>
- PubMed Quick Tour: Simple Subject Search  
<http://www.nlm.nih.gov/bsd/viewlet/search/subject/subject.html>
- PubMed Quick Tour: Search for an Author  
<http://www.nlm.nih.gov/bsd/viewlet/search/author/author.html>
- CAM (Complementary and Alternative Medicine) on PubMed  
<http://nnlm.gov/training/consumer/cam/cam-pubmed.pdf>
- Getting Started with LinkOut (National Network of Libraries of Medicine)  
<http://nnlm.gov/training/linkout/>

## MEDLINE/PubMed Search Exercises

**Search Example: What information has been written about the effects of hurricane Katrina on people living with HIV/AIDS?**

Suggested Solution:

- ▶ Go to <http://pubmed.gov>
- ▶ Type **hurricane katrina** in the search box
- ▶ Click **Limits**

- ▶ Select AIDS in the **Subsets** limit box
- ▶ Click **Search**

- ▶ Review the citation(s) retrieved
- ▶ Click the **Clear** button in the bar above the search results box to prepare for the next search

## Search Exercises

### Exercise 1: Is H1N1 (Swine Flu) an issue for people living with HIV?

Suggested Solution:

Click	Limits
Type	<b>h1n1</b> in the search box
Select	<u>AIDS</u> in the <b>Subsets</b> limit box under Topics
Click	the <b>Search</b> button
Review	the citation(s) retrieved

 When limits are selected a **Limits Activated** portlet will display on the results page.

### Exercise 2: Locate articles that discuss the use of *Entecavir* in the treatment of people coinfected with HIV and Hepatitis B.

Suggested Solution:

Type	<b>entecavir coinfected hepatitis b</b> in the search box
	 Note that the <b>Limits Activated</b> portlet is still displayed. You are still searching the AIDS subset of PubMed.
Click	the <b>Search</b> button
Review	the citation(s) retrieved

### Exercise 3: Locate articles that discuss HIV/AIDS drug treatments that adversely react with *St. John's Wort*. Review related articles.

Suggested Solution:

Type	<b>st john's wort drug interactions</b> in the search box
Click	the <b>Search</b> button
Review	the citation(s) retrieved and <b>Related Citations</b>

### Exercise 4: Find articles that discuss pain management in patients with HIV infection who have a history of substance abuse. Sort by publication date.

Suggested Solution:

Type	<b>pain management substance abuse</b> in the search box
Click	the <b>Search</b> button
Click	<b>Display Settings</b> and select <u>Pub Date</u> under <b>Sort By</b>

Click	the <b>Apply</b> button
Review	the citation(s)

**Exercise 5: Locate articles that discuss taking *Zidovudine* for the prevention of mother-to-child HIV transmission. Limit retrieval to articles written in English and published in the past five years.**

Suggested Solution:

Click	Limits
Type	<b>zidovudine mother child transmission</b> in the search box
Select	<u>5 years</u> from the <b>Published in the Last:</b> pull-down menu
Select	<u>English</u> in the <b>Languages</b> box
Click	the <b>Search</b> button
Review	the citation(s) retrieved

**Exercise 6: Cytomegalovirus retinitis is common among people infected with HIV. What has been written about the use of *Foscarnet* and *Ganciclovir* in treating this disease in children?**

Suggested Solution:

Click	Limits
Type	<b>cytomegalovirus retinitis foscarnet ganciclovir</b> in the search box
	 Note that the <b>Limits Activated</b> portlet is still displayed. You must clear the limits you do not want for this search. You do not have to clear the Publication Dates.
Clear	<u>5 years</u> in the <b>Published in the Last:</b> box
Clear	<u>English</u> in the <b>Languages</b> box
Select	<u>All Child: 0-18 years</u> in the <b>Ages</b> box
Click	the <b>Search</b> button
Review	the citation(s)

**Exercise 7: Locate an article written by L.M. Bogart titled “HIV-Related Stigma among People with HIV and their families: A Qualitative Analysis.”**

Suggested Solution:

Click	Advanced Search
Remove	Limits
Type	<b>stigma</b> in the search box

Select	Author from the Search Builder drop-down menu
Type	<b>bogart lm</b> in the <b>Author</b> search box
Click	<b>Add to Search Box</b> button
Click	the <b>Search</b> button
Review	the Citation(s)

**Exercise 8: Locate articles on the impact of cultural competency in HIV/AIDS care and prevention. Next, e-mail an abstract to yourself in text form.**

Suggested Solution:

Click	Limits
Select	<u>AIDS</u> in the <b>Subsets</b> limit box under Topics
Type	<b>cultural competency</b> in the search box
Click	the <b>Search</b> button
Click	the checkbox to the left of a record of your choice
Select	<u>E-mail</u> from the “Send to” pull-down menu
Select	<u>Abstract (text)</u> from the “Format” pull-down menu
Type	your e-mail address in the e-mail box
Click	the <b>E-mail</b> button
Review	the e-mail confirmation message highlighted in Green above the abstracts

**Exercise 9: Using PubMed Central, locate free full-text articles that discuss improved adherence to HAART.**

Suggested Solution:

Select	<u>PMC</u> from the Search pull-down menu above the search box
Type	<b>improved adherence haart</b> in the search box
Click	the <b>Search</b> button
Review	the citation(s)

Suggested Solution #2:

Click	<u>PubMed Central</u> at the bottom of the Home page under <b>Popular</b>
Type	<b>improved adherence haart</b> in the search box
Click	<b>Search all articles</b> under the search box
Click	<b>Search</b> button
Review	the citation(s)

Click [PubMed](#) in the list of databases above the search box to return to the PubMed home page.

**Exercise 10: Set up a My NCBI user account and conduct a search for journal articles discussing structured antiretroviral therapy interruption.**

Suggested Solution:

Click **My NCBI** at the top right of the page

Click [Register for an account](#)

Follow the directions for setting up a username and password

 Clicking the “Keep me signed in” checkbox will create a permanent cookie so that My NCBI will be indefinitely available on your computer without signing in again.

Click PubMed in the list of databases at the top of the page

Type **structured antiretroviral therapy interruption** in the search box

Click the **Search** button

Click [Save Search](#) at the top of the screen above the search box

Click the **Save** button

Select the e-mail update scheduling settings of your choice (optional)

Click [Save](#)

 Your search (structured antiretroviral therapy interruption) will be listed.

## Saving and Printing Records in PubMed

The **Send to:** button is available on screens with search results. You can save the entire results of a specific search or selected citations. If you don't select specific citations before clicking on the **Send to:** button, you will create a file on your computer that will contain the entire search results, up to a maximum of 5,000 items.

You can also save records collected from multiple searches by using the **Send to: Clipboard** feature. The Clipboard holds a maximum of 500 items. When you save a file, your browser will prompt you where this file should be placed on your computer, and also give you the opportunity to rename the file.

### Saving Entire Search Results

- ▶ Click **Send to: File** to select your formatting and sorting preferences.
  -  The default for the File feature is to save the entire retrieval—up to 5,000 items—unless you specifically select citations. For example, if you use the **Send to: File** feature on a screen displaying 1-20 items of 2,356, your saved file will contain all 2,356 citations.
- ▶ Click Create File

### Saving Selected Citations from a Single Search

- ▶ Click the check box next to each citation you want to save.
  -  You can move to other pages within the search results to make more selections.
- ▶ Click **Send to: File** to select your formatting and sorting preferences.
  -  Saving a large retrieval may take several minutes. To save citations in html format, use the Save As function of your browser, and change the file extension to html. This will save only the citations displayed on the screen, so you may wish to consider changing the number of items per page from the Display Settings.
- ▶ Click Create File

### Using the Clipboard

- ▶ Click the check box next to each citation you want to send to the Clipboard, select Clipboard from the **Send to:** pull-down menu. Click Add to Clipboard and those items selected will automatically be saved to the clipboard.
  -  Once you have added a citation to the Clipboard, the item will display a note, "Item in Clipboard" in green beneath the selected citation.

-  If you use the Clipboard feature without selecting citations using the check box(es), PubMed will add all of your search results—up to 500 citations—to the Clipboard. The Clipboard will be lost after eight hours of inactivity.
-  PubMed uses cookies to add your selections to the clipboard. In order for you to use this feature, your Web browser must be set to accept cookies.
-  Citations in the clipboard are represented by the search number “#0,” and may be used in Boolean search statements. For example, to limit the citations you have collected in the Clipboard to English language citations, use the following search:

#0 AND english [la]

- This does not affect or replace the Clipboard contents.

## E-mailing Citations

- ▶ Select E-mail from the **Send to:** menu
- ▶ Select your formatting and sorting preferences
- ▶ Select the number to send (if sending more than the first 20 records)
- ▶ Enter an e-mail address
  -  Only one is permitted, to prevent spam
- ▶ Add additional text if you wish
- ▶ Click E-mail

## Ordering Full-text Articles

The **Order Documents** function allows you to order the full-text copy of an article from a medical library. Prior to using this feature, you must establish an agreement with a Loansome Doc participating library. During the registration process, you will have the opportunity to search for a Loansome Doc provider in your area (U.S. and International). Local fees may apply. To register, click Order from the **Send to:** menu, then Order articles to get to the **Loansome Doc Screen**, then Sign up! from the Loansome Doc screen.

After you have registered with a Loansome Doc participating library, you can order citations by clicking the check box to the left of each citation you want to order. When you have finished marking your selections (you may move to other pages within your results), select Order from the **Send to:** pull-down menu.

-  You may use the Clipboard to collect items from multiple searches before ordering.
-  For some journals, full-text articles are available via a PubMed link to the publisher's Web site. Publisher links for the full-text of the article are displayed on the Abstract or

Citation display. LinkOut is a PubMed feature that links to outside sources for the full text of the article (e.g., a publisher's Web site), as well as other resources such as biological databases and sequencing centers. User registration, a subscription fee, or some other type of fee may be required to access full-text articles in some journals.

## Exporting Citations into a Reference Manager Program

To export your search results into a reference manager program, select **File** from the **Send to:** pull-down menu. Select the MEDLINE format to download records for use with reference management software.

-  Consider changing the .fcgi extension to .txt if you wish to open the file in a text editor, word processor, or reference manager program.

## Printing Your Search Results

To print your search results, use the print function of your Web browser. Before printing, consider using the **Display Settings** feature to increase the number of documents per page so that the total number of documents is displayed on one page (maximum: 200 per page). You can print only the citations from the displayed page.

-  To print selected items from one or more searches on a single page, use the Clipboard feature first to collect them.

# 7

# MedlinePlus



The screenshot shows the MedlinePlus homepage with a purple header. The header features the MedlinePlus logo and the tagline "Trusted Health Information for You". On the right, it says "A service of the U.S. NATIONAL LIBRARY OF MEDICINE and the NATIONAL INSTITUTES OF HEALTH". Below the header is a search bar with the placeholder "Search MedlinePlus". To the right of the search bar are links for "About MedlinePlus", "Site Map", "FAQs", "Contact Us", and "español".

The main content area is divided into several sections:

- Health Topics**: Start here with 800 topics on conditions, diseases and wellness.
- Drugs & Supplements**: About your prescription and over-the-counter medicines, herbs and supplements.
- Medical Encyclopedia**: Includes pictures and diagrams.
- Dictionary**: Spellings and definitions of medical words.
- News**: Current health news and press announcements.
- Directories**: Find doctors, dentists and hospitals.
- Go Local**: A service for finding local resources for health-related issues.
- Other Resources**: Local health services, libraries, organizations, international sites and more.
- Multiple Languages**: Health information in over 40 languages.

**Current Health News** section:

- 40-Year-Old Gout Drug Shows Promise Against Angina
- Post-Combat Stress Disrupting Daily Lives of Returning Vets
- Researchers Report Treatment Headway Against Lung Cancer
- More news

**Featured Site** section:

Watch a live webcast of treatment for Moyamoya disease on June 8 at 10:00 a.m. EDT

**In the Spotlight**: We're redesigning MedlinePlus – Coming Summer 2010! [Preview](#) the new look and send us your feedback.

**Links on the right sidebar**:

- Videos & Tutorials: Anatomy and surgery videos and interactive slide shows.
- ClinicalTrials.gov: Studies for new drugs and treatments.
- NH SeniorHealth: Health information for older adults.
- Mobile Version
- What's New
- Director's Comments
- NH MedlinePlus Magazine
- E-mail Updates and RSS
- Search Cloud
- Follow Us on Twitter

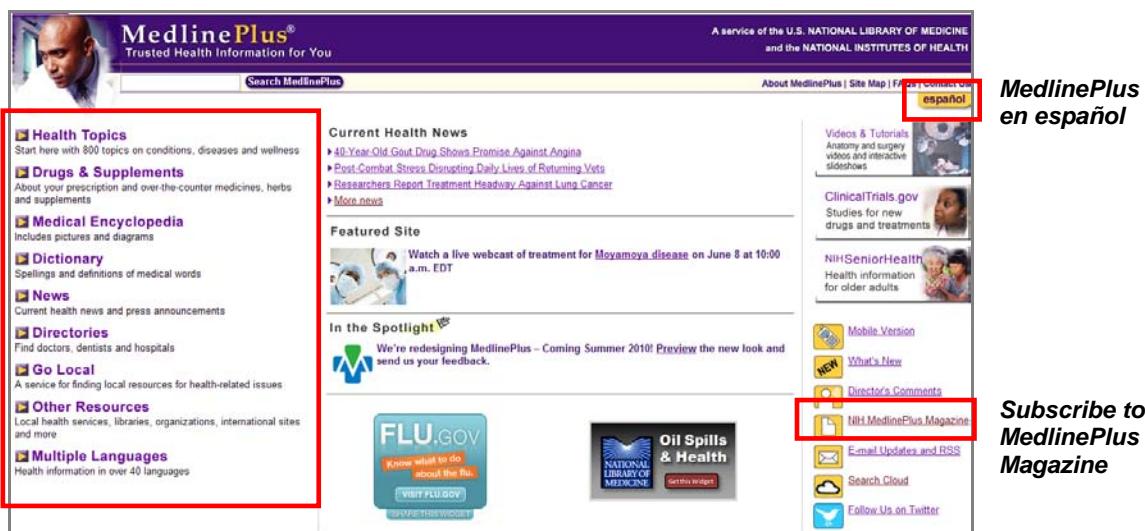
<http://medlineplus.gov>



## MedlinePlus

**MedlinePlus** is the National Library of Medicine's answer to consumer-friendly, authoritative health information. It contains a wealth of information from trusted sources, lists of hospitals and physicians, extensive information on prescription and non-prescription drugs, interactive tutorials on many health conditions, links to articles on the latest health news, health information in more than forty languages, and much more.

### MedlinePlus Resources



**MedlinePlus en español**

**Subscribe to MedlinePlus Magazine**

<http://medlineplus.gov>

## Features

Features offered by MedlinePlus include:

- ▶ Easy-to-read language
- ▶ Easy-to-navigate pages
- ▶ New links added daily
- ▶ No advertising or endorsements
- ▶ Spanish version: <http://medlineplus.gov/spanish>
- ▶ Multiple Language health topics

## Searching MedlinePlus

To search MedlinePlus, simply type your search term in the search box at the top of any MedlinePlus page:



## Browsing MedlinePlus

Click Health Topics on the home page (top left) to explore MedlinePlus alphabetically or by topic categories. From this page, you can also access Frequently Requested Topics, Interactive Health Tutorials, Easy to Read, Health Check Tools, and For Low Vision Users.

Navigational tabs at the top of the page allow you to go Home or to Drugs & Supplements, Encyclopedia, Dictionary, News, Directories, and Other Resources.

A screenshot of the MedlinePlus Health Topics page. At the top, there is a navigation bar with links for 'Skip navigation', the 'MedlinePlus' logo, and text stating 'Trusted Health Information for You'. To the right of the logo is the text 'A service of the U.S. NATIONAL LIBRARY OF MEDICINE and the NATIONAL INSTITUTES OF HEALTH'. Below the navigation bar are several tabs: 'Home', 'Health Topics' (which is the active tab and highlighted with a red box), 'Drugs & Supplements', 'Encyclopedia', 'Dictionary', 'News', 'Directories', and 'Other Resources'. To the right of these tabs is a 'español' link. A red arrow points from the text 'Browse Alphabetically' to the 'Health Topics' tab.

Below the tabs, there is a search bar with the placeholder 'Find your topic by first letter:' and a dropdown menu showing letters from A to Z, with 'List of All Topics' at the bottom. A red box highlights this search bar area, and a red arrow points from the text 'Browse by Categories' to the left side of this area.

The main content area is divided into several sections:

- Body Location Systems:** Includes icons and links for Blood, Heart and Circulation; Bones, Joints and Muscles; Brain and Nerves; Digestive System; Ear, Nose and Throat; Endocrine System; Eyes and Vision; Immune System; Kidneys and Urinary System; Lungs and Breathing; Mouth and Teeth; Skin, Hair and Nails; Female Reproductive System; and Male Reproductive System.
- Disorders and Conditions:** Includes a list of disorders such as Cancers, Genetics/Birth Defects, Infections, Injuries and Wounds, Mental Health and Behavior, Metabolic Problems, Poisoning, Toxicology, Environmental Health, Pregnancy and Reproduction, and Substance Abuse Problems.
- Demographic Groups:** Includes a list of demographic groups: Children and Teenagers, Men, Population Groups, Seniors, and Women.
- Health and Wellness:** Includes a list of health and wellness topics: Disasters, Fitness and Exercise, Food and Nutrition, Health System, Personal Health Issues, Safety Issues, Sexual Health Issues, Social/Family Issues, and Wellness and Lifestyle.
- Diagnosis and Therapy:** Includes a list of diagnosis and therapy topics: Complementary and Alternative Therapies, Diagnostic Tests, Drug Therapy, Surgery and Rehabilitation, Symptoms, and Transplantation and Donation.

On the right side, there is a sidebar with the following sections:

- Frequently Requested Topics:** Includes links for Interactive Health Tutorials, Easy to Read, Health Check Tools, and For Low Vision Users.
- Health Check Tools:** A link for Health Check Tools.

Red arrows point from the text 'Frequently Requested Topics' to the 'Frequently Requested Topics' section in the sidebar, and from the text 'Health Check Tools' to the 'Health Check Tools' link in the sidebar.

## MedlinePlus Health Check Tools

Quizzes, calculators, self-assessments, and decision guides to check your knowledge and health status. Click the link on the Health Topics page (see above).

## Additional Links on the Home Page

Look for these icons on the bottom right of the home page to access the following information.



### Director's Comment

Listen to a weekly update from Donald A.B. Lindberg, M.D., Director of the National Library of Medicine. Updates are distributed as free podcasts. A podcast is a digital audio broadcast for direct listening on a computer or by subscription via a download to a personal audio player.



### NIH MedlinePlus Magazine

Subscribe to this free quarterly guide for patients and their families. Current and back issues are available on the Web site for downloading.



### E-mail Updates and RSS

E-mail announcements contain links to new topics and sites containing consumer health information. RSS (Really Simple Syndication) helps you to keep up to date with MedlinePlus press announcements and HealthDay news stories without cluttering your e-mail inbox.



### Search Cloud

A new feature that shows the 100 most frequently searched terms (in both English and Spanish versions)

## Additional Resources

For further information, we recommend these additional resources:

- ▶ MedlinePlus Frequently Asked Questions  
<http://www.nlm.nih.gov/medlineplus/spanish/faq/faq.html>
- ▶ Animated, 8-minute tour of MedlinePlus  
<http://www.nlm.nih.gov/medlineplus/spanish/faq/faq.html>
- ▶ Guide to Healthy Web Surfing  
<http://www.nlm.nih.gov/medlineplus/spanish/healthywebsurfing.html>
- ▶ MedlinePlus Tutorial  
<http://www.nlm.nih.gov/medlineplus/spanish/tutorial.html>
- ▶ Prescription for Success: Consumer Health Information on the Internet (NN/LM)  
<http://nnlm.gov/training/consumer/prescription>

## MEDLINE and MedlinePlus: What is the Difference?

**MEDLINE** is the National Library of Medicine's (NLM) premier bibliographic database. This web-based research tool covers the fields of medicine, nursing, dentistry, veterinary medicine, the health care system, and the preclinical sciences. It contains more than 19 million citations and abstracts. Most of the articles found in MEDLINE are very technical and written for health care professionals. MEDLINE is available free through NLM's PubMed search system.

While MEDLINE is a source of medical research literature for health professionals, **MedlinePlus** provides health information especially written for consumers and patients by the National Institutes of Health and other reliable sources. MedlinePlus provides information on over 800 health topics. Additionally, consumers can search for information in the online medical encyclopedia or medical dictionary, get information on prescription and over-the-counter medication, and obtain information on local physicians and dentists. MedlinePlus is not a database for references to journal articles.

Use this Decision Tree to choose the correct database:

MEDLINE/PubMed		MedlinePlus
Database		Directory
Journal citations		Health topics
Published medical literature		Multiple sources
Health professionals		Consumers and patients
Clinical terminology		Easy to understand language
Search only		Browse and search
Value added:	Value added:	
<ul style="list-style-type: none"> <li>• Links to publishers</li> <li>• Selected full text articles</li> <li>• Selected consumer health journals</li> <li>• Links to MedlinePlus</li> </ul>	<ul style="list-style-type: none"> <li>• Drug information</li> <li>• Medical encyclopedia</li> <li>• Links to other Web resources</li> <li>• Link to MEDLINE searches</li> <li>• Spanish version</li> <li>• Surgery videos</li> <li>• Multiple languages</li> </ul>	

# MedlinePlus Search Exercises



**Search Example: Review the MedlinePlus AIDS page and locate general information about HIV/AIDS.**

Suggested Solution:

- ▶ Go to <http://medlineplus.gov>
- ▶ Click **Health Topics**

MedlinePlus®  
Trusted Health Information for You

Search MedlinePlus

About MedlinePlus | Site Map | FAQs | Contact Us | español

**Health Topics**

Start here with 800 topics on conditions, diseases and treatments

**Drugs & Supplements**

About your prescription and over-the-counter medicines, herbs, and supplements

**Current Health News**

- ▶ 40-Year-Old Gout Drug Shows Promise Against Angina
- ▶ Post-Combat Stress Disrupting Daily Lives of Returning Vets
- ▶ Researchers Report Treatment Headway Against Lung Cancer
- ▶ More news

**Videos & Tutorials**  
Anatomy and surgery videos and interactive slide show

**ClinicalTrials.gov**  
Studies for you

- ▶ Click **A**

MedlinePlus®  
Trusted Health Information for You

Search MedlinePlus

About MedlinePlus | Site Map | FAQs | Contact Us | español

**Health Topics**

Find your topic by first letter:

<b>A</b>	C	E	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	XYZ	List of All Topics
----------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----	--------------------

- ▶ Click AIDS from the alphabetical list of topics

- Ageusia see [Taste and Smell Disorders](#)
- Aging see [Seniors' Health](#)
- Aging Skin see [Skin Aging](#)
- **AIDS**
- [AIDS and Infections](#)
- [AIDS and Pregnancy](#)

- ▶ Click AIDS/HIV NIH (National Institute of Allergy and Infectious Diseases)

Start Here

- **AIDS/HIV NIH** (National Institute of Allergy and Infectious Diseases)
- [NIH Home](#) | [Interactive Catalog](#) | [Patient Education](#) | [Research](#)
- [NIH Home](#) | [Interactive Catalog](#) | [Patient Education](#) | [Research](#)
- [NIH Home](#) | [Interactive Catalog](#) | [Patient Education](#) | [Research](#)
- [NIH Home](#) | [Interactive Catalog](#) | [Patient Education](#) | [Research](#)

Basics

- [Overview](#)
- [Latest News](#)

Learn More

- [Alternative Therapy](#)
- [Disease Management](#)

Multimedia & Cool Tools

- [Pictures & Photographs](#)
- [Tutorials](#)

AIDS and Infections

AIDS and Pregnancy

AIDS-Related Cancers

AIDS-Related Skin Conditions

AIDS-Related Vision Problems

AIDS-Related Weight Loss

AIDS-Related Work Problems

AIDS-Related Xerostomia

AIDS-Related Yersinia Enterocolitidis

AIDS-Related Zoster

Go Local

Services and providers for AIDS in the U.S.

- ▶ Review the information and close the NIH window

National Institute of Allergy and Infectious Diseases

Leading research to understand, treat, and prevent infectious, immunologic, and allergic diseases.

NIAID Home | Health & Research A to Z | Labs & Scientific Resources | Funding | About NIAID | News & Events

**HIV/AIDS**

Understanding

Quick Facts

What are HIV and AIDS?

How HIV Causes AIDS

AIDS was first reported in the United States in 1981 and has since become a major worldwide epidemic. AIDS is caused by the human immunodeficiency virus, or HIV. By killing or damaging cells of the body's immune system, HIV progressively destroys the body's ability to fight infections and certain cancers. People diagnosed with AIDS may get life-threatening diseases called opportunistic infections.

Web Site Tools

- [E-mail this page](#)
- [Print this page](#)
- [Get e-mail updates](#)
- [Follow us](#)

- ▶ Click the **Home** tab at the top of the page to prepare for the next search

MedlinePlus®  
Trusted Health Information for You

Search MedlinePlus

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**Home**

**Health Topics**

Drugs & Supplements

Encyclopedia

Dictionary

News

Directories

Other Resources

**Other Health Topics:**

<b>A</b>	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	XYZ	List of All Topics
----------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----	--------------------

**AIDS**

Printer-friendly version

E-mail to a friend

## Search Exercises

### Exercise 1: Using the MedlinePlus search box, identify some of the complications associated with diabetes.

Suggested Solution:

Type	<b>diabetes complications</b> in the search box
Click	the <b>Search MedlinePlus</b> button
Click	a topic of interest to you
Review	the information retrieved and return to the MedlinePlus results page

 If the link opened a pop-up window, close it. If you clicked the link for the Interactive Tutorial, click your browser's **Back** button.

### Exercise 2: Using the Health Topics search feature, locate information on Swine Flu (H1N1 Flu). Review the health check tools.

Suggested Solution:

Click	the <b>Health Topics</b> tab
Click	<b>S</b>
Click	<u>H1N1</u> (Swine flu) from the alphabetical list
Click	<u>Health Check Tools</u> under <b>Multimedia and Cool Tools</b>
Click	a topic of interest to you
Review	the information retrieved and close the pop-up window

### Exercise 3: Using the Health Topics search feature, locate information on factors to consider before using an alternative medicine therapy.

Suggested Solution:

Click	the <b>Health Topics</b> tab
Click	<b>A</b>
Click	<u>Alternative Medicine</u> from the alphabetical list
Click	<u>Are You Considering Using Complementary and Alternative Medicine (CAM)?</u> under <b>Start Here</b>
Review	the information retrieved and close the pop-up window
Review	the additional information on the MedlinePlus page

**Exercise 4: Find information about HIV/AIDS and children. Next, use the Go Local feature to locate AIDS services and resources in your community.**

Suggested Solution:

Click	the <b>Health Topics</b> tab
Click	<b>A</b>
Click	<b>AIDS</b> from the alphabetical list
Click	<u>Children</u> under <b>For You</b> to the right
Click	<u>Children and HIV</u> (New Mexico AIDS Education and Training Center) under <b>Children</b>
Review	the information
Close	the AIDS InfoNet window and return to the MedlinePlus page
Scroll	to <b>Go Local</b> near the top right of the page
Select	Your state from the State pull-down menu and click <b>Go</b>  Currently there are twenty-three states. The remaining states will be added in the future.
Type	your zip code in the search box and click <b>Go</b>
Review	the information retrieved and close the pop-up window

**Exercise 5: Find health information for diverse population groups.**

Suggested Solution:

Click	the <b>Health Topics</b> tab
Click	<u>Population Groups</u> under <b>Demographic Groups</b>
Click	the population group of your choice from the alphabetical list
Review	the information retrieved

**Exercise 6: I read that *Buprenorphine* is showing promise as an effective drug addiction treatment for HIV-positive patients. What is *Buprenorphine* and why is it used for drug addiction treatment?**

Suggested Solution:

Click	the <b>Drugs &amp; Supplements</b> tab
Click	<b>B</b> under Drug Information
Click	<u>Buprenorphine Sublingual</u> and <u>Buprenorphine and Naloxone Sublingual</u> in the alphabetical list
Click	<u>Why is this medicine prescribed?</u>
Review	the information retrieved

**Exercise 7: According to a recent survey conducted by researchers in Cleveland, Ohio, people living with HIV/AIDS commonly use the following herbs: Echinacea, Ginseng, Ginko, St. Johns Wort, and Yohimbe. Can these supplements interfere with prescribed medications? What is the scientific evidence for use of these drugs?**

Suggested Solution:

- Click the **Drugs & Supplements** tab
- Click **E** under **Herbs and Supplements**
- Click **Echinacea** in the alphabetical list
- Click **Interactions** under **Contents of this page** and review the information retrieved
- Click **Evidence** under **Contents of this page** and review the information retrieved

 Repeat these steps for: Ginseng, Ginko, St. Johns Wort, and Yohimbe

**Exercise 8: Find the MedlinePlus Hepatitis C page and view the interactive tutorial.**

Suggested Solution:

- Click the **Health Topics** tab
- Click **H**
- Click **Hepatitis C** from the alphabetical list
- Click **Hepatitis C** Interactive Tutorial under **Start Here**
- Click the **Start Interactive Tutorial** button and follow the instructions

Close the tutorial window and return to the **Hepatitis C** health topic page

**Exercise 9: Using the Medical Encyclopedia, locate an illustration depicting Kaposi's sarcoma.**

Suggested Solution:

- Click the **Encyclopedia** tab
- Click **K**
- Click **Kaposi's sarcoma** from the alphabetical list
- Click the graphic of your choice under **Illustrations**

Review the information retrieved

**Exercise 10: Locate health information on a topic of your choice.**

# NLM Gateway

**NLM Gateway**  
A service of the U.S. National Institutes of Health

Your Entrance to  
Resources from the  
National Library of Medicine

Home Term Finder Limits/Settings About Help FAQ

Search multiple NLM resources. Learn [more](#).

Enter your search in the box above.  
Tips for searching by [topics](#), [authors](#), [titles](#) or searching [meeting abstracts](#).

Contact Us  
[U.S. National Library of Medicine](#) | [National Institutes of Health](#) | [Health & Human Services](#)  
[Privacy](#) | [Copyright](#) | [Accessibility](#) | [Freedom of Information Act](#) | [USA.gov](#)

<http://gateway.nlm.nih.gov>



## NLM Gateway

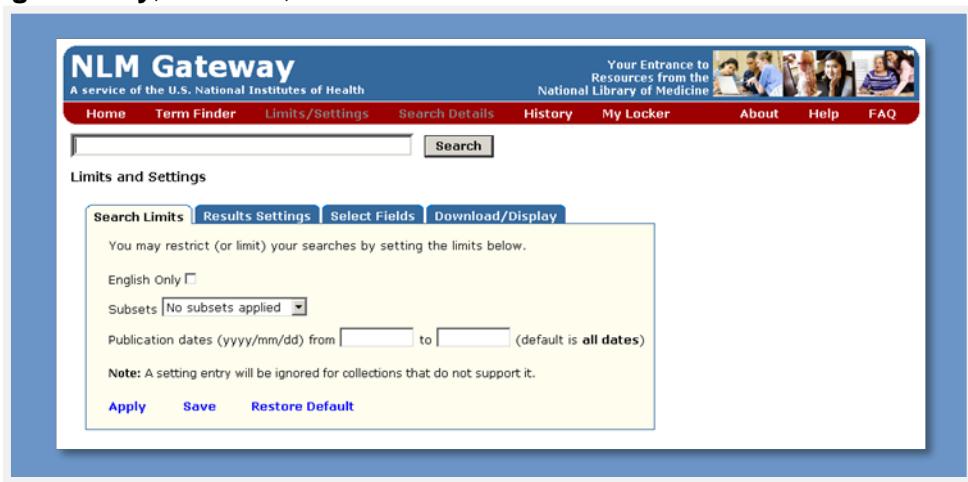
**NLM Gateway** is a Web-based system that lets users search simultaneously in multiple retrieval systems at the National Library of Medicine, including PubMed and MedlinePlus. The Gateway also provides a search interface for meeting abstracts.



### Searching NLM Gateway

For a quick search, type your search term or phrase into the search box on the home page. Gateway processes search terms through a spell checker and offers suggested corrections.

To apply search limits and settings for results, downloading, and display, click **Limits/Settings** on the home page. Type your search term(s) into the search box and apply limits. Available search limits are **English Only**, **Subsets**, and **Publication dates**.



The list of collections that Gateway searches is arranged in three categories.

- ▶ **Bibliographic Resources** include MEDLINE/PubMed, Meeting Abstracts Developmental and Reproductive Toxicology (DART®), TOXLINE® subset, NLM Catalog, and the Bookshelf.
- ▶ **Consumer Health Resources** include MedlinePlus, ClinicalTrials.gov, DIRLINE, Genetics Home Reference, and Household Products Database
- ▶ **Other NLM Resources** include Health Services Research Project (HSRProj), Hazardous Substances Data Bank (HSDB®), Chemical Carcinogenesis Research Information System (CCRIS), Genetic Toxicology Data Bank (GENE-TOX), Integrated Risk Information System (IRIS), International Toxicity Estimates for Risk (ITER), Online Mendelian Inheritance in Man, and Profiles in Science

## Search Results

When the search is completed, NLM Gateway displays a Results Summary page with the number of records found in each of the databases, listed by category. To explore the results category, click the desired database link.

Bibliographic Resources	Consumer Health Resources	Other Information Resources
<a href="#">90165 MEDLINE/PubMed - journal citations, abstracts</a> <a href="#">6830 NLM Catalog - books, AVs, serials</a> <a href="#">2035 Bookshelf - full text biomedical books</a> <a href="#">5127 TOXLINE Subset - toxicology citations</a> <a href="#">122 DART - Developmental and Reproductive Toxicology</a> <a href="#">59971 Meeting Abstracts</a>	<a href="#">35 MedlinePlus - Health Topics</a> <a href="#">95 MedlinePlus - Drug Information</a> <a href="#">49 MedlinePlus - Medical Encyclopedia</a> <a href="#">33 MedlinePlus - Current Health News</a> <a href="#">40 MedlinePlus - Other Resources</a> <a href="#">3992 ClinicalTrials.gov</a> <a href="#">367 DIRLINE - Directory of Health Organizations</a> <a href="#">27 Genetics Home Reference</a>	<a href="#">353 Images From the History of Medicine</a> <a href="#">255 HSRProj - Health Services Research Projects</a> <a href="#">50 OMIM - Online Mendelian Inheritance in Man</a> <a href="#">56 HSDB - Hazardous Substances Data Bank</a> <a href="#">0 IRIS - Integrated Risk Information System</a> <a href="#">0 ITER - International Toxicity Estimates for Risk</a>

## My Locker

“My Locker” is a permanent place to store selected search items for printing, downloading, or ordering. A maximum of 500 items may be stored in the Locker. You must register and create a user ID and password to use the Locker. Registration is free.

## Additional Resources

- ▶ For further information, we recommend these additional resources:
- ▶ NLM Gateway Brochure  
<http://nnlm.gov/training/resources/gwtri.pdf>
- ▶ NLM Gateway Training Manual  
<http://www.nlm.nih.gov/pubs/manuals/gwclintrials.doc>



## NLM Gateway Search Exercises

### Search Example: Locate information on HIV/AIDS treatment.

Suggested Solution:

- ▶ Go to <http://gateway.nlm.nih.gov>
- ▶ Type **hiv aids treatment** in the search box
- ▶ Click the **Search** button

The screenshot shows the NLM Gateway homepage with a search bar containing 'hiv aids treatment'. Below the search bar, there are two bullet points: 'Enter your search in the box above.' and 'Tips for searching by [topics](#), [authors](#), [titles](#) or searching [meeting abstracts](#)'.

- ▶ Results will be displayed in three categories:
  - **Bibliographic Resources**
  - **Consumer Health Resources**
  - **Other Information Resources**
- ▶ Click **HSRProj – Health Services Research Projects** under **Other Information Resources**

The screenshot shows the search results page with a 'Results Summary: 85825 records found' message. The results are categorized into three sections: 'Bibliographic Resources', 'Consumer Health Resources', and 'Other Information Resources'. The 'Other Information Resources' section includes a 'HSRProj' category with 169 items. A 'Bookmark this Search' link is also visible.

- ▶ Review record(s) of your choice
- ▶ Click **Results** in the left sidebar to return to the search results page

The screenshot shows the 'HSRProj Results' page with 169 items. The first few items listed are:
 

- 1  [Pentecostalism and utilization of HIV/AIDS treatment services in central Mozambique](#) Pfeiffer, James T.
- 2  [The impact of the BRIDGE program upon treatment engagement among HIV+ adults](#) McKay, Mary M.
- 3  [Preventing HIV/AIDS in treatment-resistant drug-abusing youth](#) Waldron, Holly Barnett.
- 4  [Collaborative HIV/AIDS prevention and mental health treatment project](#) Reif, Susan.
- 5  [Seek and treat for optimal outcomes and prevention in HIV & AIDS in IDU](#) Montaner, Julio Sergio.

## Search Exercises

**Exercise 1: Is there any evidence that the flu vaccine can cause an increase in viral loads? Limit the search to the AIDS subset. Review the MEDLINE/PubMed and ClinicalTrials.gov records.**

Suggested Solution:

- Type **flu vaccine viral loads** in the search box
- Click the **Limits/Setting** button
- Select AIDS from the subset pull-down menu and click “**Apply**”
- Click the **Search** button
- Click **MEDLINE/PubMed** – journal citations, abstracts under **Bibliographic Resources**
- Review citation(s) of your choice
- Click the **Results** button to the left of the page to return to the results summary page
- Click ClinicalTrials.gov under **Consumer Health Resources**
- Review record(s) of your choice and close the ClinicalTrials.gov window

**Exercise 2: Locate information on *crystal methamphetamine*. Limit the search to the AIDS subset.**

Suggested Solution:

- Type **crystal methamphetamine** in the search box
  -  Note that the **Limits** tab still contains a checkmark. You are still searching the AIDS subset of the NLM Gateway
- Click the **Search** button
- Review record(s) of your choice

**Exercise 3: Set up a Locker user account and conduct a search for information on structured antiretroviral therapy interruption. Store a meeting abstract record in your Locker.**

Suggested Solution:

- Click the **My Locker** button at the top of the page
- Click Create one now under “Sign-in”
- Follow the on-screen directions for setting up a user name and password
- Type **structured antiretroviral therapy interruption** in the search box

- Click the **Search** button
- Click Meeting Abstracts under **Bibliographic Resources**
- Click box next to the record of your choice
- Click Put in locker at the top of the page

**Exercise 4: Perform a search on a health topic of your choice.**

This page is intentionally blank.

# DIRLINE

United States **National Library of Medicine**  
National Institutes of Health

Search NLM Web Site

[NLM Home](#) | [Contact NLM](#) | [Site Map](#) | [FAQs](#)

**Directory of Health Organizations**  
**SIS Specialized Information Services**

DIRLINE PDA Access [SIS Home](#) | [About Us](#) | [Site Map & Search](#) | [Contact Us](#)

[SIS Home](#) >

**Search DIRLINE**

(e.g. aging chronic diseases, scleroderma)

Search:  all of the words  any of the words  exact phrase

Fields: (if none checked, all fields will be searched.)  
 Organization name or acronym  
 MeSH Headings/Keywords

Select records containing:  
 Only organizations with toll-free numbers  
 Only organizations with services for the hearing impaired

**Health Hotlines**  
 Toll-free numbers for over 300 organizations

**Other NLM Resources**

MedlinePlus®  
PubMed  
NLM Gateway  
LocatorPlus

**Support Pages**

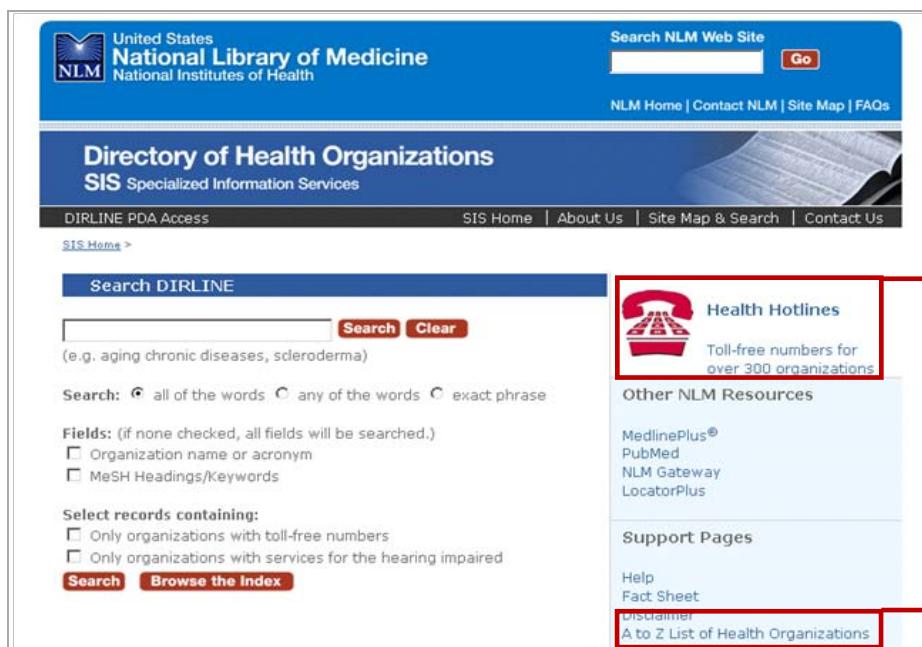
Help  
Fact Sheet  
Disclaimer  
[A to Z List of Health Organizations](#)

<http://dirline.nlm.nih.gov>



## DIRLINE

**DIRLINE** is the National Library of Medicine's online database containing location and descriptive information about a wide variety of information resources including organizations, research resources, projects, and databases concerned with health and biomedicine. This information may not be readily available in bibliographic databases. Each record may contain information on the publications, holdings, and services provided.



The screenshot shows the DIRLINE search interface. At the top, the NLM logo and a search bar are visible. Below the search bar, a blue banner reads "Directory of Health Organizations" and "SIS Specialized Information Services". The main search form includes fields for "Search DIRLINE" (with a placeholder "(e.g. aging chronic diseases, scleroderma)"), "Search" and "Clear" buttons, and checkboxes for "Search: all of the words", "any of the words", and "exact phrase". There are also checkboxes for "Fields: (if none checked, all fields will be searched.)", "Organization name or acronym", and "MeSH Headings/Keywords". Below these are checkboxes for "Select records containing: Only organizations with toll-free numbers" and "Only organizations with services for the hearing impaired". At the bottom of the search form are "Search" and "Browse the Index" buttons. To the right, a sidebar titled "Health Hotlines" features a red phone icon and text about toll-free numbers for over 300 organizations. Other NLM Resources include MedlinePlus®, PubMed, NLM Gateway, and LocatorPlus. Support Pages include Help and Fact Sheet. A red box highlights the "A-Z List of Health Organizations" link at the bottom of the sidebar.

<http://dirline.nlm.nih.gov>

DIRLINE contains more than 8,500 records and focuses primarily on health and biomedicine, although it provides limited coverage of some other special interests. Topics include HIV/AIDS, maternal and child health, most diseases and conditions including genetic and other rare diseases, health services research, and technology assessment. The information resources fall into many categories, including:

- ▶ Federal, state, and local government agencies
- ▶ Information and referral centers
- ▶ Professional societies
- ▶ Self-help groups and voluntary associations
- ▶ Academic and research institutions and their programs
- ▶ Information systems and research facilities

## Searching DIRLINE

Search DIRLINE using subject words (such as the name of a disease or condition, or the name or location of a resource). Keep the search simple to maximize retrieval. Refine your search by including Medical Subject Headings (MeSH®). MeSH consists of sets of specific terms developed by the NLM to enhance searching.

Click [A-Z List of Health Organizations](#) on the home page to browse for a health organization:

A screenshot of the DIRLINE website's "A to Z List of Health Organizations" page. The page has a blue header with the text "Directory of Health Organizations" and "SIS Specialized Information Services". Below the header is a navigation bar with links for "DIRLINE PDA Access", "SIS Home", "About Us", "Site Map & Search", and "Contact Us". A breadcrumb trail shows "Dirline Home > A to Z List of Health Organizations". The main content area is titled "A to Z List of Health Organizations" and features a horizontal menu with letters A through Z. Below the menu is a list of organization names, each preceded by a small blue triangle icon. The listed organizations include: AACC International, AARP, Aarskog Syndrome Parents Support Group, ABC Quilts, Abiding Hearts, Abilities!, and Abilities! Clinics.

## Additional Resources

For further information, we recommend these additional resources:

- ▶ **DIRLINE Fact Sheet**  
<http://www.nlm.nih.gov/pubs/factsheets/dirlinfs.html>
- ▶ **Prescription for Success: Consumer Health Information on the Internet**  
(National Network of Libraries of Medicine)  
<http://nnlm.gov/training/consumer/prescription>
- ▶ **Medical Subject Headings (MeSH)**  
<http://www.nlm.nih.gov/mesh/meshhome.html>



## DIRLINE Search Exercises

**Search Example: Find HIV/AIDS-related resources. Review several resources of interest to you.**

Suggested Solution:

- ▶ Go to <http://dirline.nlm.nih.gov>
- ▶ Type **hiv aids** in the search box
- ▶ Click the **Search** button

The screenshot shows the 'Directory of Health Organizations' search results for 'hiv aids'. The search bar contains 'hiv aids'. The results list three items:

- 1  Ministry for HIV/AIDS - Office for Health and Wholeness Advocacy - United Church of Christ
- 2  HIV/AIDS Group - Bureau for Development Policy - United Nations Development Programme - United Nations
- 3  HIV/AIDS Surveillance Report - Divisions of HIV/AIDS Prevention - National Center for HIV/AIDS, Viral Hepatitis, STD and TB Prevention - Centers for Disease Control and Prevention - Public Health Service - U.S. Department of Health and Human Services

- ▶ Review record(s) of your choice by clicking the organization name

The screenshot shows the 'DIRLINE Search Results' page for 'hiv aids'. The search bar contains 'hiv aids'. The results list three items. The first item is highlighted with a red box around the organization name 'Ministry for HIV/AIDS - Office for Health and Wholeness Advocacy - United Church of Christ'. The page also includes a sidebar with links like 'Save Checked Items', 'Sort', 'Details', 'History', 'Download', 'Modify Search', 'New Search', 'Browse Index', and 'SIS'.

- ▶ After reviewing a record, click the **Search Results** button on the left to return to the search results page

The screenshot shows the 'DIRLINE Search Results' page for 'hiv aids'. The search bar contains 'hiv aids'. The results list three items. The 'Search Results' button on the left sidebar is highlighted with a red box. The first item in the results list is also highlighted with a red box.

- ▶ From the search results page, click the **New Search** button on the left to prepare for the next search

The screenshot shows the 'DIRLINE Search Results' page for 'hiv aids'. The search bar contains 'hiv aids'. The results list three items. The 'New Search' button on the left sidebar is highlighted with a red box. The first item in the results list is also highlighted with a red box.

## Search Exercises

### Exercise 1: Find records for organizations that provide information on substance abuse.

 Be sure that you space after each entry. Remember: Boolean Operators do not work in DIRLINE.

Suggested Solution:

Type	<b>substance abuse</b> in the search box
Click	the <b>Search</b> button
Review	record(s) of your choice
	 After reviewing a record, click the <b>Search Results</b> button on the left to return to the search results page.
Click	the <b>New Search</b> button on the left to prepare for the next search

### Exercise 2: Locate information on the Ryan White CARE Act.

Suggested Solution:

Type	<b>ryan white</b> in the search box
Click	the <b>Search</b> button
Review	record(s) of your choice
Click	the <b>New Search</b> button on the left to prepare for the next search

### Exercise 3: Are there organizations that offer information on Hepatitis C infection?

Suggested Solution:

Type	<b>hepatitis c</b> in the search box
Click	the <b>Search</b> button
Review	record(s) of your choice
Click	the <b>New Search</b> button on the left to prepare for the next search

### Exercise 4: Are there any housing resources for people infected with HIV/AIDS?

Suggested Solution:

Type	<b>hiv aids housing</b> in the search box
Click	the <b>Search</b> button
Review	record(s) of your choice

Click the **New Search** button on the left to prepare for the next search

**Exercise 5: Find records for the various Centers for Disease Control and Prevention (CDC) HIV/AIDS programs. Save the records that are of interest to you.**

Suggested Solution:

Type	<b>cdc hiv aids</b> in the search box
Click	the <b>Search</b> button
Click	the checkbox to the left of record(s) of your choice
Click	the <b>Save Checked Items</b> button on the left
Click	the <b>Display Saved Items</b> button to review the record(s)
Click	the <b>New Search</b> button on the left to prepare for the next search

**Exercise 6: Find HIV/AIDS-related organizations that focus their efforts on minority groups. Next, limit the search to organizations with services for the hearing impaired.**

Suggested Solution:

Type	<b>aids minority groups</b> in the search box
Click	the <b>Search</b> button
Review	record(s) of your choice
Click	the <b>Modify Search</b> button on the left of the page
Click	the checkbox for <u>Only organizations with services for the hearing impaired</u> under “ <b>Select records containing:</b> ”
Click	the <b>Search</b> button
Review	record(s) of your choice
Click	the <b>New Search</b> button on the left to prepare for the next search

**Exercise 7: Use the Browse Index feature to identify the number of organizations that offer information on gay and lesbian health. Sort the records in descending order.**

Suggested Solution:

Click	the <b>Browse the Index</b> button
Type	<b>gay</b> in the search box
Click	the <b>Search</b> button
Click	the checkbox for the index term “gay”
Click	the <b>Select</b> button above the table

- Click the **Sort** button on the left
- Click **Descending** and then the **Sort** button
- Review record(s) of your choice
- Click the **New Search** button on the left to prepare for the next search

**Exercise 8: Locate information resources for a topic of your choice.**

# Additional Resources



## National Minority AIDS Council

The National Minority AIDS Council (NMAC) is the premier national organization dedicated to developing leadership within communities of color to address the challenges of HIV/AIDS.

**NATIONAL MINORITY AIDS COUNCIL**  
Building Healthier Communities

*Building Leadership in Communities of Color to Address HIV/AIDS*

ABOUT/CONTACT | CONFERENCES | PROGRAMS & TRAINING | PUBLIC POLICY | MEDIA | PUBLICATIONS | CBO TOOLS | JOBS | MEMBERSHIP

**DONATE TODAY** [GO](#)

**SIGN UP FOR NMAC'S FREE E-ALERTS** [GO](#)

**NMAC HEADLINES**

**Grants** Don't miss your chance to apply for these great grant opportunities: Act Against AIDS Leadership Initiative - due June 14; Beacon Community Cooperative Agreement Program - due June 28; and NLM Information Resource Grants to Reduce Health Disparities (Go8) - due July 14! [read more](#)

**HRSA** The Health Resources and Services Administration (HRSA) invites agencies from Louisiana, southern Mississippi, southwestern Alabama and the Pensacola Florida area to participate in the technical assistance workshop: Creating Grant Applications Focusing on Underserved Populations, this Monday, June 14, from 9:30 a.m. to 5:30 p.m., at the Doubletree New Orleans Hotel, located on 300 Canal Street, in New Orleans, LA. If interested, send an e-mail to [neworleanstech@hrsa.gov](mailto:neworleanstech@hrsa.gov) by Monday, June 7. [read more](#)

**National HIV TESTING Day** You are invited to take part in a special National HIV Testing Day Twitter Town Hall taking place tomorrow, June 3, 2010, from 3:00 p.m. to 4:30 p.m., in preparation for the 2010 National HIV Testing Day (NHTD). The event is being facilitated by the Centers for Disease Control and Prevention (CDC), National Prevention Information Network (CDENIN), and is meant to foster dialogue among people planning NHTD events or activities. [read more](#)

**2010 EQUAL ACCESS** The 2010 Equal Access Initiative Computer Program, funded by the

**CLICK HERE TO ENTER NMAC'S LEARNING MANAGEMENT SYSTEM**

**FOLLOW NMAC** [Facebook](#) [Twitter](#) [YouTube](#) [RSS](#)

**IMPORTANT DEADLINES**

<b>06/07/10</b>	June 7, 2010 RSVPs Due for Creating Grant Applications Focusing on Underserved Populations
<b>06/08/10</b>	National Caribbean American HIV/AIDS Awareness Day
<b>06/08/10</b>	16th Annual Summer Public Health Research Institute and Videconference on Minority Health
<b>06/09/10</b>	Beacon Community Coop Agreement Pgm - Letters of Intent Due
<b>06/09/10</b>	RSVPs Due for 2010 International AIDS Conference - Special Reception

<http://www.nmac.org>

### Programs and Training

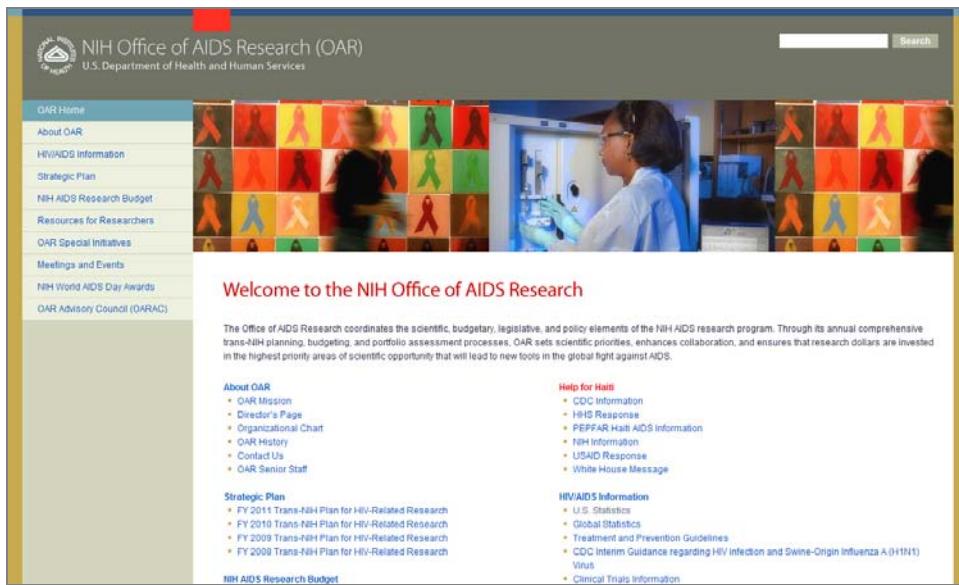
- ▶ HIV/AIDS Stigma Program
- ▶ Individualized Capacity Building Assistance
- ▶ Prison Initiative
- ▶ Supporting Network of HIV CARE (SNHC) by Enhancing Primary Medical Care (EPMC)
- ▶ Equal Access Initiative Computer Grants Program
- ▶ Women of Color Leadership Institute

## Tools and Resources

- ▶ Online Resource Library
- ▶ NMAC E-Alerts
- ▶ NMAC/POZ AIDS Services Directory
- ▶ Grant Writing Tool
- ▶ NMAC Publications Resource Center (order small quantities of NMAC publications free of charge)
- ▶ NMAC Publication Download Library
- ▶ Calendar of Events

## Office of AIDS Research

The Office of AIDS Research (OAR), National Institutes of Health, plans, coordinates, evaluates, and funds all NIH AIDS research and promotes collaborative research activities. Information available on the Web site includes Web Broadcasts, and Minority Initiatives.



<http://www.oar.nih.gov>

### Strategic Plan

- ▶ Trans-NIH Plan for HIV-Related Research

### HIV/AIDS Information (links)

- ▶ U.S. and Global Statistics
- ▶ Treatment and Prevention Guidelines
- ▶ Clinical Trials Information
- ▶ NIAID AIDS Information
- ▶ National Library of Medicine Resources
- ▶ Other Institutes and Centers AIDS Programs
- ▶ Other NIH Institutes and Centers AIDS Programs
- ▶ Other Federal and International HIV/AIDS Programs
- ▶ Research on AIDS Benefits Efforts Against Diseases (information page)

## Centers for Disease Control and Prevention

The **Centers for Disease Control and Prevention (CDC)**, Department of Health and Human Services, offers a Web site that includes an A-Z Index of health topics and links to publications. **Top 10 at CDC.gov** lists the most popular pages. The **Tools & Resources** section includes a BMI (Body Mass Index) calculator, training information, software, and downloads. CDC.gov is also available in most spoken languages in the United States as well as many other languages from around the world.

The screenshot shows the main homepage of CDC.gov. At the top, there is a banner for the Gulf Oil Spill with a photo of boats at sea. Below the banner, there is a search bar and a link to the A-Z Index. The main content area is divided into several sections:

- Health & Safety Topics:** Includes links to Diseases & Conditions, Healthy Living, Injury, Violence & Safety, Environmental Health, Life Stages & Populations, and Workplace Safety & Health.
- Data & Statistics:** A table titled "Estimates of Arthritis in U.S. Adults, 1990 and 2005" shows the following data:
 

	1990	2005
Osteoarthritis	21	27
Rheumatoid arthritis	2.1	1.3
Gout	2.1	3
- Publications:** Includes links to Emerging Infectious Diseases (EID), Morbidity and Mortality Weekly Report (MMWR), and Preventing Chronic Disease (PCD).
- News & Events:** Includes links to H1N1 Press Briefings, Press room: CDC Report Highlights State Efforts to Support Physical Activity, and All CDC In The News.
- Featured Multimedia & Tools:** Includes links to Photos, Buttons & Badges, and Widgets.
- Right sidebar:** Includes links to Text size, Email page, Print page, Bookmark and share, Get email updates, Subscribe to RSS, Listen to audio/podcast, and CDC en Español.

<http://cdc.gov>

### Recommended Sections

- ▶ **Health Disparities**  
<http://www.cdc.gov/omhd/Topic/HealthDisparities.html>
- ▶ **Health Disparities: A Selected Bibliography**  
<http://www.cdc.gov/nccdphp/publications/healthdisparities>
- ▶ **Healthy Schools Healthy Youth!**  
<http://www.cdc.gov/healthyyouth>

## Selected Internet Resources in Health

### **Agency for Healthcare Research and Quality**

<http://www.ahrq.gov>

—Although this Web site is primarily for health care professionals, it also contains a section on consumer health. Other topics include Clinical Information, Funding Opportunities, Research Findings, Specific Populations, Public Health Preparedness, Data & Surveys, and Quality and Patient Safety.

### **American Medical Association**

<http://www.ama-assn.org>

—Information for physicians, doctor and hospital finders, the Journal of the American Medical Association, and health and fitness information.

### **BioMed Central**

<http://www.biomedcentral.com/browse/journals>

—Free access to a wide variety of over 100 journals and other services. The Quick Search feature allows searching of not only BioMed Central, but also PubMed and PubMed Central.

### **CDC Diseases and Conditions**

<http://www.cdc.gov/DiseasesConditions>

—An index of illnesses, conditions, concerns, and programs from the Center for Disease Control and Prevention. Includes links to relevant publications, news and events, and related CDC organizations.

### **CDC Environmental Health**

<http://www.cdc.gov/environmental>

—Informs the general public about environmental health. Topics include food safety, extreme cold, hydrocarbons, lead poisoning, mold, and carbon monoxide. Under Featured Items see links for upcoming events and recently released reports on environmental health topics. From the Centers for Disease Control and Prevention.

### **Center for Drug Evaluation and Research**

<http://www.fda.gov/cder>

—This site includes information about prescription and over-the-counter drugs, drug safety, and links to major drug information pages. From the U.S. Food and Drug Administration.

**ClinicalTrials.gov**

<http://clinicaltrials.gov>

—Developed by the National Institutes of Health through its National Library of Medicine to provide patients, family members, and members of the public current information about clinical research studies. It is updated regularly.

**CNN Health**

<http://www.cnn.com/HEALTH>

—Health links to Cable News Network news stories regarding health concerns.

**Directory of Open Access Journals**

<http://www.doaj.org>

—Provides access to free, full text, quality controlled scientific and scholarly journals. Journals may be browsed by title or subject, and many are searchable at article level.

**Doctor's Guide**

<http://www.docguide.com>

—A comprehensive source of links to medical information of interest to physicians, as well as information and resources a doctor may want to recommend to patients. Includes news stories, a list of webcasts and continuing medical education (CME) opportunities, Case Studies, and the Congress Resource Center, a database of meetings with links to relevant travel planning information.

**U.S. Food and Drug Administration**

<http://www.fda.gov>

—Provides links to FDA resources, including research information on food, drugs, biologics, cosmetics, medical devices, tobacco, and toxicology.

**Health Disparities/CDC**

<http://www.cdc.gov/omhd/Topic/HealthDisparities.html>

—Links to extensive information on health disparities organized on the home page by Topics, Quick Links, Key Resources, Programs and Campaigns, and more.

**Health Disparities: A Selected Bibliography**

<http://www.cdc.gov/nccdphp/publications/healthdisparities/>

—A compilation of peer-reviewed journal articles, book chapters, and monographs written by CDC staff and partners between January 2000 and January 2005, compiled for the 19<sup>th</sup> National Conference on Chronic Disease Prevention and Control, March 1–3, 2005.

**Health Hotlines**

<http://healthhotlines.nlm.nih.gov>

—A National Library of Medicine online database of health-related organizations operating toll-free telephone services.

**Health Literacy Training [FREE]**

<http://www.hrsa.gov/healthliteracy/training.htm>

—The U.S. Department of Health and Human Services, Health Resources and Services Administration, offers this free online training for health providers titled Unified Health Communication 101: Addressing Health Literacy, Cultural Competency, and Limited English Proficiency. The course has five modules, is estimated to take five hours to complete, and can be completed at your own pace. Credits can be elected for CEU/CE, CHES, CME, or CNE.

**Healthfinder**

<http://www.healthfinder.gov>

—A Web site of the U.S. government's links to dependable consumer health information.

**Healthy People 2010**

<http://healthypeople.gov>

—A health initiative for the nation coordinated by the Office of Disease Prevention and Health Promotion of the U.S. Department of Health and Human Services. The overarching goals of Healthy People 2010 are to increase quality and years of healthy life and to eliminate health disparities. It is designed to be used by people on many levels—personal, community, state, and national—to improve health.

**Healthy People 2010 Information Access Project**

<http://phpartners.org/hp>

—A Web resource developed by the National Library of Medicine with assistance from subject experts and public health librarians. The site provides "pre-formulated" PubMed searches for selected Healthy People 2010 focus areas to make current information and evidence-based strategies related to the HP2010 objectives easier to find. Also provides links to relevant full-text resources on NLM's Web site. This site is a pilot project funded by the National Library of Medicine with assistance from the Public Health Foundation and the National Network of Libraries of Medicine. Feedback is requested for project expansion to all HP2010 focus areas.

**Healthy Schools Healthy Youth**

<http://www.cdc.gov/healthyyouth/>

—The Centers for Disease Control and Prevention's Division of Adolescent and School Health Web site provides tools and resources to promote school health.

**Medical Matrix**

<http://www.medmatrix.org/req/register.asp>

—A physician peer-reviewed list with useful topical and specialty categorizations. It contains good links to MEDLINE, CME, and online publications. Registration is required.

**MedicineNet**

<http://www.medicinenet.com>

—A network of physician educators dedicated to providing up-to-date, quality medical information for the public. Links from this site include subject areas such as “Hot News!,” “Diseases & Treatments,” “Pharmacy Drugs,” “Ask The Experts,” “Medical Dictionary,” and “First Aid Information.”

**MedlinePlus**

<http://medlineplus.gov>

—A consumer health Web site from the National Library of Medicine, providing health professionals and consumers a wealth of authoritative, up-to-date medical information on over 800 diseases and medical conditions. Resources include lists of hospitals and physicians, a medical encyclopedia, a medical dictionary, extensive information on prescription and non-prescription drugs, health information from the media, and links to thousands of clinical trials. MedlinePlus is updated daily. Available in English and Spanish.

**Medscape®**

<http://www.medscape.com>

—Medscape, from WebMD®, offers medical specialists, primary care physicians, and other health professionals integrated medical information and education tools. Key features include “physician-optimized” MEDLINE, CME activities, conference coverage, daily professional medical news in your specialty, and the Internet’s first primary-source medical journal, Medscape General Medicine. A one-time, free registration allows Medscape to automatically deliver you to the specialty page (which you can change at any time) that best fits your profile.

**My Family Health Portrait**

<https://familyhistory.hhs.gov>

—A tool from the U.S. Surgeon General that allows users to create a family tree (drawing) and personalized family health history report from any computer with an Internet connection and an up-to-date browser. Focus is on six common diseases: heart disease, stroke, diabetes, colon cancer, breast cancer, and ovarian cancer. Other conditions that are of particular interest to the family can also be included. The drawing and the report can be printed and shared with family members and personal physicians. Also available in Spanish.

**National Library of Medicine**

<http://www.nlm.nih.gov>

—The National Library of Medicine (NLM), on the campus of the National Institutes of Health in Bethesda, Maryland, is the world's largest medical library. The library collects materials and provides information and research services in all areas of biomedicine and health care.

**National Library of Medicine Free Biomedical Literature Resources**

<http://www.nlm.nih.gov/docline/freehealthlit.html>

—This National Library of Medicine Web site offers links to a number of free biomedical literature resources, including PubMed, NCBI Bookshelf, the Public Library of Science, BioMed Central, and the Directory of Open Access Journals.

**National Medical Association**

<http://www.nmanet.org>

—Focuses primarily on health issues related to African Americans and medically underserved populations. Links include Continuing Medical Education (CME), Journal of the National Medical Association (JNMA), and Health Policy.

**National Women's Health Information Center**

<http://www.womenshealth.gov>

—This site offers information on more than 800 health topics specifically for women and staffs a call center. Includes information on special populations and information in Spanish. From the U.S. Department of Health and Human Services Office on Women's Health.

**NIH Health Information**

<http://health.nih.gov>

—From the National Institutes of Health. Includes quick links to Child & Teen Health, Men's Health, Minority Health, Seniors' Health, Women's Health, and Wellness & Lifestyle.

**NursingNet**

<http://www.nursingnet.org>

—Provides a forum for medical professionals and students to obtain and disseminate information about nursing and medically related subjects.

**Office of Minority Health, U.S. Department of Health and Human Services**

<http://www.omhrc.gov>

—Serves as a national resource and referral service on minority health issues for health professionals, consumers, grantseekers, students, and the media. Online resources include publications, funding announcements, and links to federal/state/local government agencies, educational institutions, non-profit/national advocacy/private organizations, and minority group health sites.

**Partners in Information Access for the Public Health Workforce**

<http://phpartners.org>

—A collaboration of U.S. government agencies, public health organizations, and health science libraries. The site provides links to health resources in the areas of Health Promotion and Education, Literature and Guidelines, Health Data Tools and Statistics, Grants and Funding, Education and Training, Legislation, Conferences and Meetings, Finding People, Discussion and E-mail Lists, and Jobs and Careers.

**Public Health Information and Data Tutorial**

<http://phpartners.org/tutorial>

—This tutorial from Partners in Information Access for the Public Health Workforce provides instruction on issues related to information access and management. Clear connections are established to recognized competencies in public health, and examples are included which represent much of the diversity inherent in the practice of public health. Content contributors and authors represent city, county, state, and federal agencies.

**National Clearinghouse for Alcohol and Drug Information**

<http://ncadi.samhsa.gov>

—Current and comprehensive information about substance abuse prevention and addiction treatment from the Substance Abuse and Mental Health Services Administration (SAMHSA).

**Public Library of Science**

<http://www.plos.org/journals>

—Provides free online access to original published reports of ideas, discoveries, and research results in the life sciences and medicine. The journals are searchable online and also available in print.

**PubMed**

<http://pubmed.gov>

—One of the National Library of Medicine's free search services. It provides access to over 19 million citations in MEDLINE and about HIV/AIDS, with links to participating online journals.

**Rural Assistance Center State Resources**

<http://www.raconline.org/states>

—The Rural Assistance Center (RAC) is a health and human services information portal established by the U.S. Department of Health and Human Services' Rural Initiative. Its objective is to provide rural communities and stakeholders access to the full range of programs, funding, and research available to them to enable them to provide quality health and human services to rural residents.

**Virtual Hospital®**

<http://uihealthcare.com/vh>

—After 13 years of service, on January 1, 2006, Virtual Hospital and Virtual Children's Hospital® ceased operations due to a lack of funding. However, the patient information is now available on the

University of Iowa's UI Health Care.com Web site. The information is prepared and reviewed by health professionals.

**WebMD**

<http://www.webmd.com>

—Provides a wide range of online health information for health care professionals and consumers. WebMD Health® includes consumer health information, health and wellness news, support communities, and interactive health management tools. Medscape® from WebMD provides clinical information and educational tools for health care professionals, including online continuing education, online coverage of medical conferences, access to over 100 medical journals, and daily medical news.

**WholeHealthMD**

<http://www.wholehealthmd.com>

—A complementary and alternative medicine Web site that is dedicated to providing the best in integrative health and wellness solutions. All material has been reviewed and developed by board-certified doctors. The Healing Center section of the site provides overviews on a wide range of conditions. Other sections include Healing Kitchen, Expert Opinions, Reference Library, News and Perspectives, and Supplements.

## Selected Internet Resources in HIV/AIDS

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### **AIDS.GOV**

<http://aids.gov>

### **AIDS.ORG**

<http://aids.org>

### **AIDS Action Committee of Massachusetts**

<http://www.aac.org>

### **AIDS Education Global Information System (AEGIS)**

<http://www.aegis.org>

### **AIDS History Project**

<http://www.library.ucsf.edu/collections/archives/manuscripts/aids>

### **AIDS Images Library**

<http://www.aids-images.ch>

### **AIDS Information and Controversy 1985–1995**

<http://aidsinfobbs.org>

### **AIDS InfoNet**

<http://www.aidsinfonet.org>

### **AIDS Project Los Angeles**

<http://www.apla.org>

### **AIDS Resource List**

<http://www.specialweb.com/aids>

### **AIDS Treatment Data Network**

<http://www.atdn.org>

### **AIDS Treatment News**

<http://www.thebody.com/content/art31573.html>

### **AIDSinfo**

<http://www.aidsinfo.nih.gov>

### **aidsinfonyc.org**

<http://www.aidsinfonyc.org>

### **Aidsmap**

<http://www.aidsmap.com>

**All the Virology on the WWW**

<http://www.virology.net/garryfavweb.html>

**The Alternative Medicine HomePage**

<http://www.pitt.edu/~cbw/altm.html>

**American Foundation for AIDS Research (amfAR) Global Link**

<http://www.amfar.org/globallink>

**American Red Cross**

<http://www.redcross.org>

**Australian Federation of AIDS Organisations**

<http://www.afaao.org.au>

**The Body**

<http://www.thebody.com>

**California AIDS Clearinghouse**

<http://www.lagaycenter.org>

**Canadian AIDS Treatment Information Exchange**

<http://www.catie.ca>

**Canadian HIV Trials Network**

<http://www.hivnet.ubc.ca/e/home/>

**Center for AIDS Prevention Studies**

<http://www.caps.ucsf.edu>

**Centers for Disease Control and Prevention (CDC) HIV/AIDS**

<http://www.cdc.gov/hiv>

**Center for Mental Health Research on AIDS (CMHRA)**

<http://www.nimh.nih.gov/about/organization/dahbr/center-for-mental-health-research-on-aids/>

**Critical Path AIDS Project**

<http://www.critpath.org>

**GMHC on the Web Gay Men's Health Crisis**

<http://www.gmhc.org>

**Healthfinder.gov**

<http://www.healthfinder.gov>

**Health Resources and Services Administration (HRSA) HIV/AIDS Program:**

**Caring for the Underserved**

<http://www.hab.hrsa.gov>

**Health Services/Technology Assessment Text (HSTAT)**

<http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=hstat>

**HIV Databases**

<http://www.hiv.lanl.gov/>

**HIV InSite**

<http://hivinsite.ucsf.edu>

**HIV/AIDS Prevention Web Sites for Communities of Color**

<http://orise.orau.gov/healthcomm/hiv-aids-prevention.htm>

**HIV/AIDS Surveillance (U.S. Census Bureau)**

<http://www.census.gov/ ipc/www/hivaidsn.html>

**HIV/AIDS Vaccines**

<http://www3.niaid.nih.gov/topics/HIV/AIDS/research/vaccines/>

**HIVandHepatitis.com**

<http://hivandhepatitis.com>

**HIVdent (dental information)**

<http://www.hivdent.org>

**HIVpositive.com**

<http://www.hivpositive.com>

**How to Find Reliable HIV/AIDS Treatment Information on the Internet**

<http://orise.orau.gov/healthcomm/hiv-aids-treatment.htm>

**International AIDS Society**

<http://www.iasociety.org>

**International Association of Physicians in AIDS Care**

<http://www.iapac.org>

**Johns Hopkins HIV Guide**

<http://www.hopkins-aids.edu>

**Joint United Nations Programme on HIV/AIDS**

<http://www.unaids.org>

**MedlinePlus AIDS**

<http://medlineplus.gov/aids>

**Medscape HIV/AIDS**

<http://www.medscape.com/hiv>

**National AIDS Treatment Advocacy Project (NATAP)**

<http://www.natap.org>

**National Clearinghouse for Alcohol and Drug Information**

<http://ncadi.samhsa.gov>

**National HIV/AIDS Clinicians' Consultation Center (NCCC)**

<http://www.nccc.ucsf.edu>

**National Institute of Allergy and Infectious Diseases (NIAID)**

<http://www3.niaid.nih.gov/>

**National Institutes of Health (NIH) Office of AIDS Research (OAR)**

<http://www.oar.nih.gov>

**National Library of Medicine HIV/AIDS Portal**

<http://sis.nlm.nih.gov/hiv.html>

**National Minority AIDS Council**

<http://www.nmac.org>

**National Prevention Information Network**

<http://www.cdcnpin.org>

**New York Academy of Medicine, HIV/AIDS Information Outreach Program**

<http://www.aidsnyc.org>

**NIAID Division of Acquired Immunodeficiency Syndrome**

<http://www3.niaid.nih.gov/about/organization/daids/>

**Partners in Information Access for the Public Health Workforce—HIV**

<http://phpartners.org/hp/hiv.html>

**Positive.org**

<http://www.positive.org/Home>

**Project Inform**

<http://www.projinf.org>

**PubMed**

<http://pubmed.gov>

**PubMed Training Manual (NLM)**

[http://www.nlm.nih.gov/pubs/web\\_based.html](http://www.nlm.nih.gov/pubs/web_based.html)

**PubMed Tutorial (NLM)**

<http://www.nlm.nih.gov/bsd/disted/pubmedtutorial/>

**Rural Center for AIDS/STD Prevention**

<http://www.indiana.edu/~aids>

**San Francisco AIDS Foundation**

<http://www.sfaf.org>

**Social Security Administration**

<http://www.ssa.gov>

**The TB/HIV Research Laboratory at Brown University**

<http://research.brown.edu/research/labs.php>

**U.S. Department of Health and Human Services**

<http://www.dhhs.gov>

**U.S. Food and Drug Administration, HIV and AIDS**

<http://www.fda.gov/oashi/aids/hiv.html>

**World Health Organization, Tuberculosis**

<http://www.who.int/tb/en/>

**Yahoo AIDS/HIV Resources**

[http://dir.yahoo.com/health/diseases\\_and\\_conditions/aids\\_hiv](http://dir.yahoo.com/health/diseases_and_conditions/aids_hiv)

# Savvy Health Surfing

## Questions to Ask About Health-related Web Sites



### Authority and Accuracy

- ▶ Who is the author or source?
- ▶ Can you verify their credentials?
- ▶ Do they represent a recognized organization or is it a personal page?
- ▶ Is affiliation information provided?
- ▶ Does the Web site have an advisory board?
- ▶ Can the information be verified through links to the sources?
- ▶ If the site offers advice, do qualified health professionals provide it?
- ▶ Is contact information provided?

### Coverage

- ▶ Who is the intended audience for this site?
- ▶ What is the purpose of the site?
- ▶ Does the site promote or advocate a viewpoint?
- ▶ Is the depth of coverage on the site reasonable?
- ▶ Is the information primary or secondary?
- ▶ If appropriate, are there links to additional information?

### Currentness

- ▶ When was the site created?
- ▶ When was the site last updated?
- ▶ When was the data or information collected?
- ▶ Are the links kept up to date?

### Objectivity

- ▶ Is the purpose of the site clearly stated?
- ▶ Is the information presented objectively?
- ▶ Is any sponsorship clearly acknowledged?

### Design Features

- ▶ Is the site well-organized and user-friendly?
- ▶ Is the site easy to navigate?
- ▶ Is the graphic layout of the site pleasing? Is it clear and uncluttered?
- ▶ Are there any features that increase or decrease usability? Do you need additional viewers or plug-ins?
- ▶ Is there an internal search engine on the site?
- ▶ Are there customizable options?
- ▶ Can you ask questions or provide feedback?
- ▶ Is the site accessible to individuals with disabilities?



## Contacting the National Library of Medicine for Database Assistance

Toll-free: 888-FIND-NLM (346-3656)

E-mail: [custserv@nlm.nih.gov](mailto:custserv@nlm.nih.gov)

TOXNET E-mail: [tehip@teh.nlm.nih.gov](mailto:tehip@teh.nlm.nih.gov)

### Online Resources

Online Training Manuals	<a href="http://www.nlm.nih.gov/pubs/web_based.html">http://www.nlm.nih.gov/pubs/web_based.html</a> (ClinicalTrials.gov, NLM Gateway, PubMed, TOXNET)
Tutorials	<a href="http://www.nlm.nih.gov/bsd/disted/pubmedtutorial/">http://www.nlm.nih.gov/bsd/disted/pubmedtutorial/</a> (PubMed)
Fact Sheets	<a href="http://www.nlm.nih.gov/pubs/factsheets/factsheets.html">http://www.nlm.nih.gov/pubs/factsheets/factsheets.html</a>
Frequently Asked Questions	<a href="http://www.nlm.nih.gov/services/faq.html">http://www.nlm.nih.gov/services/faq.html</a>

See also Help and FAQ links on each database home page.

## The National Network of Libraries of Medicine

Toll-free number for all Regional Medical Libraries: 800-338-7657

Monday-Friday 8:30 a.m.–5:00 p.m. in all time zones

Web site: <http://nnlm.gov>

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