

# **HIV/AIDS** **Information** **Resources**

from the  
**National**  
**Library**  
of Medicine



HIV/AIDS Community Information Outreach Program  
**2010 Awardees**







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# **HIV/AIDS INFORMATION RESOURCES**

## **FROM THE NATIONAL LIBRARY OF MEDICINE**

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**A Specialized Training Workbook  
developed for the**

**Recipients of the  
2010 HIV/AIDS Community Information Outreach Program Awards**

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## Disclaimer

Every effort has been made to ensure that the screen graphics and the exercises in this document are up-to-date and accurate. However, due to the frequency of Web updates, they may have changed.

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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.

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## Preface

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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 (NLM), of the National Institutes of Health (NIH), 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* workbook is designed to provide valuable health information resources, from the NLM and other reliable sources, to increase awareness of the abundance of treatment information and educational materials that are available on the Internet. These resources will meet the needs of community-based organizations and AIDS service organizations, as well as others that need the most accurate and up-to-date information regarding the management of HIV and AIDS, including clinical trials, HIV/AIDS drugs, treatment guidelines, and medical literature.

This workbook contains a brief summary of NLM resources followed by search exercises using realistic scenarios. Additional resources, selected for the quality and relevant content, are also included for your reference.



[www.nlm.nih.gov](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.



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# Introduction

The screenshot shows the NLM website homepage with a blue header. The header includes the NLM logo, the text "United States National Library of Medicine National Institutes of Health", and a banner image of a person in a lab coat with the text "The World's Largest Medical Library".

**Left Sidebar:**

- Health Information
- Library Catalog & Services
- History of Medicine
- Online Exhibitions & Digital Projects
- Human Genome Resources
- Biomedical Research & Informatics
- Environmental Health & Toxicology
- Health Services Research & Public Health
- Health Information Technology
- About the National Library of Medicine
- Grants & Funding
- Training & Outreach
- Network of Medical Libraries
- NLM and the Recovery Act
- On Exhibit at NLM: *Against the Odds* (Against the Odds: Making a Difference in Global Health)
- Director's Comments: Listen to what's new in consumer health on MedlinePlus

**Main Content Area:**

**Especially for:**

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

**Current Health News:**

- 9% of U.S. Adults Suffer from Depression (10/01/10)
- Kidney Disease Linked to Future Heart Disease, Stroke Risk (10/01/10)
- Lifestyle Intervention Improves Risk Factors in Type 2 Diabetes (10/01/10)
- [More Health News](#)

**NLM News and Press Releases:**

- NCBI Launches the Database of Genomic Structural Variations (press announcement) (09/30/10)
- Public-Private Partnership for Standards: Kaiser Permanente Opens Access to Convergent Medical Terminology to Support National Health IT Goals (press announcement) (09/30/10)
- NLM Launches "Digital Collections," a Repository for Access to and Preservation of Digitized Biomedical Resources (09/27/10)
- National Library of Medicine Launches Application Programming Interface (API) Web Page (09/17/10)
- [More NLM News](#)

**Right Sidebar:**

- Search NLM Web Site:** 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](#)
  - Images from the History of Medicine:** View prints, photographs, posters and other images [VISIT SITE](#)
  - Household Products Database:** Health and safety information on household products [VISIT SITE](#)
  - NIH SeniorHealth:** The health Web site for older adults [VISIT SITE](#)
  - FLU.GOV:** Know what to do about the flu. [VISIT FLU.GOV](#)

**Footer:**

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

**Connect with NLM**

Facebook and Twitter icons.

[www.nlm.nih.gov](http://www.nlm.nih.gov)



## Introduction

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### Why the National Library of Medicine?

The National Library of Medicine (NLM) is the world's largest biomedical library and part of the National Institutes of Health. The health information that NLM makes available on the Internet is free, easily and quickly accessible, and of the highest quality and reliability.

### 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 over 20 million references to journal articles published in 5,400 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 over 8,500 health-related organizations offering information and referral for many diseases and conditions



# Basic Internet Skills

The screenshot shows the homepage of the National Library of Medicine (NLM), part of the National Institutes of Health (NIH). The header features the NLM logo and the text "United States National Library of Medicine National Institutes of Health". A banner image on the right shows a person in a lab coat, with the text "The World's Largest Medical Library".

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- List of NLM Databases and Resources**
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Biomedical journal literature from MEDLINE/PubMed
  - MedlinePlus®**

Health and drug information for patients, family and friends
  - Images from the History of Medicine**

View prints, photographs, posters and other images
  - Household Products Database**

Health and safety information on household products
  - NIH SeniorHealth**

The health Web site for older adults
  - FLU.GOV**

Know what to do about the flu.

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Facebook and Twitter icons.

[www.nlm.nih.gov](http://www.nlm.nih.gov)



## Basic Internet Skills

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

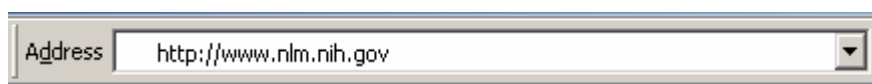
The Internet and the World Wide Web (Web) are not the same thing. The Internet is a worldwide network of computer networks that can all “talk” to each other using languages called “protocols.” The Web is only one portion of the Internet, the best known part, and is viewed with a graphical interface software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

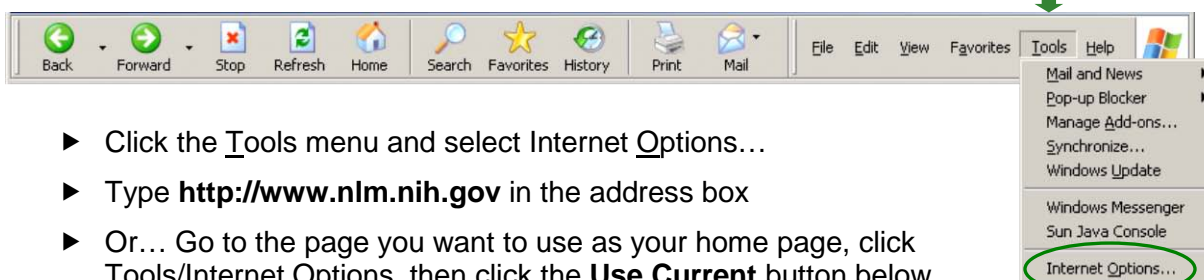


- Click... **Edit**, and then **Find** (on This Page)...to find key words on the page you are viewing  
**View**, and then **Text Size**...to increase or decrease the text size on the page  
**Favorites**...to bookmark a Web page or to organize your bookmarks  
**Tools**, and then **Internet Options**...to 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**

**Example: Changing your browser's home page to the National Library of Medicine.**

- ▶ Click the Tools menu and select Internet Options...
- ▶ Type **http://www.nlm.nih.gov** in the address box
- ▶ Or... Go to the page you want to use as your home page, click Tools/Internet Options, then click the **Use Current** button below the address box

**Printing Web Pages**

To print the Web page you are on, you may click the print button on the navigation toolbar or click the Efile 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.

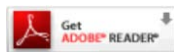
Tips for Printing Web Pages:

- 1) One Web page can be many printed pages.
- 2) Use Print Preview (from the Efile 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> <ul style="list-style-type: none"> <li>▶ Retrieves only those records common to the selected sets</li> </ul>                      |  |
| <b>hiv OR aids</b> <ul style="list-style-type: none"> <li>▶ Retrieves sets of records that may, but need not, have elements in common</li> </ul>      |  |
| <b>hiv NOT aids</b> <ul style="list-style-type: none"> <li>▶ Retrieves a set of records from which one or more elements have been excluded</li> </ul> |  |
| <b>(hiv OR aids) AND flu</b> <ul style="list-style-type: none"> <li>▶ Use nested parentheses when using more than one Boolean operator</li> </ul>     |  |

## 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:  
[www.thelist.com](http://www.thelist.com)
- ▶ Browsers (cnet Download.com):  
[download.cnet.com/windows/browsers](http://download.cnet.com/windows/browsers)
- ▶ General Internet Information  
[nlnm.gov/scr/technology/internetfaq1.html](http://nlnm.gov/scr/technology/internetfaq1.html)
- ▶ Internet Information Access Resources  
[nlnm.gov/scr/technology/internetfaq2.html](http://nlnm.gov/scr/technology/internetfaq2.html)
- ▶ Internet Basics (Seniors)  
[nihseniorhealth.gov/toolkit/toolkitfiles/pdf/Module\\_1.pdf](http://nihseniorhealth.gov/toolkit/toolkitfiles/pdf/Module_1.pdf)
- ▶ Web Junction:  
[webjunction.org](http://webjunction.org)

## Selected World Wide Web Search Tools

---

### Major Search Directories and Search Engines

- ' AllTheWeb.com [alltheweb.com](http://alltheweb.com)
- ' AltaVista.com [altavista.com](http://altavista.com)
- ' Ask.com [ask.com](http://ask.com)
- ' Bing.com [bing.com](http://bing.com)
- ' Google [google.com](http://google.com)
- ' HotBot [hotbot.com](http://hotbot.com)
- ' MSN Search [search.msn.com](http://search.msn.com)
- ' Yahoo! [yahoo.com](http://yahoo.com)

### Meta Search Engines

- ' Dogpile [dogpile.com](http://dogpile.com)
- ' InfoGrid [infogrid.com](http://infogrid.com)
- ' Ixquick [ixquick.com](http://ixquick.com)
- ' Mamma [mamma.com](http://mamma.com)
- ' SurfWax [surfwax.com](http://surfwax.com)
- ' Vivisimo [vivisimo.com](http://vivisimo.com)

### Miscellaneous

- ' Search Engine Watch – Information for Web Designers  
[searchenginewatch.com](http://searchenginewatch.com)
- ' CataList – Reference Site for LISTSERV® lists  
[www.lsoft.com/lists/listref.html](http://www.lsoft.com/lists/listref.html)

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# Finding Quality Health Information on the Internet

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

The World's Largest Medical Library

Contact NLM | Site Map | FAQs

Search NLM Web Site

**Especially for:**

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

**Current Health News**

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**NIH SeniorHealth**  
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[www.nlm.nih.gov](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?



## 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  
**[www.hon.ch/HONcode](http://www.hon.ch/HONcode)**
- ▶ Evaluating Internet Health Information: A Tutorial from the National Library of Medicine  
**[nlm.nih.gov/medlineplus/webeval/webeval.html](http://nlm.nih.gov/medlineplus/webeval/webeval.html)**
- ▶ MedlinePlus—Evaluating Health Information  
**[nlm.nih.gov/medlineplus/evaluatinghealthinformation.html](http://nlm.nih.gov/medlineplus/evaluatinghealthinformation.html)**
- ▶ National Network of Libraries of Medicine—Is this health information good for me?  
**[nnlm.gov/pnr/hip/criteria.html](http://nnlm.gov/pnr/hip/criteria.html)**  
(en Español: **[nnlm.gov/pnr/hip/informacion.html](http://nnlm.gov/pnr/hip/informacion.html)**)
- ▶ Quackwatch  
**[quackwatch.com](http://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/<br>Accuracy | Coverage | Currentness | Objectivity | Design |
|--|------------------------|----------|-------------|-------------|--------|
| 1. <a href="http://www.thinktwice.com">www.thinktwice.com</a>                        |                        |          |             |             |        |
| 2. <a href="http://tourette13.tripod.com/">tourette13.tripod.com/</a>                |                        |          |             |             |        |
| 3. <a href="http://www.healthfree.com">www.healthfree.com</a>                        |                        |          |             |             |        |
| 4. <a href="http://www.malepregnancy.com">www.malepregnancy.com</a>                  |                        |          |             |             |        |
| 5. <a href="http://www.healthcentral.com">www.healthcentral.com</a>                  |                        |          |             |             |        |
| 6. <a href="http://www.drugs.com">www.drugs.com</a>                                  |                        |          |             |             |        |
| 7. <a href="http://www.thebody.com">www.thebody.com</a>                              |                        |          |             |             |        |
| 8. <a href="http://www.nwsids.org">www.nwsids.org</a>                                |                        |          |             |             |        |
| 9. <a href="http://www.medical-library.net">www.medical-library.net</a>              |                        |          |             |             |        |
| 10. <a href="http://www.webmd.com">www.webmd.com</a>                                 |                        |          |             |             |        |
| 11. <a href="http://www.drclark.net">www.drclark.net</a>                             |                        |          |             |             |        |
| 12. <a href="http://www.aaemonline.org">www.aaemonline.org</a>                       |                        |          |             |             |        |
| 13. <a href="http://www.pslgroup.com/dg950925.htm">www.pslgroup.com/dg950925.htm</a> |                        |          |             |             |        |
| 14. <a href="http://www.amaasportsmed.org">www.amaasportsmed.org</a>                 |                        |          |             |             |        |
| 15. <a href="http://www.bonetumor.org">www.bonetumor.org</a>                         |                        |          |             |             |        |
| 16. <a href="http://www.biausa.org">www.biausa.org</a>                               |                        |          |             |             |        |
| 17. <a href="http://sparkaction.org">sparkaction.org</a>                             |                        |          |             |             |        |
| 18. <a href="http://www.curezone.com">www.curezone.com</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

**DRUGS**

Fact sheets on HIV/AIDS-related drugs:

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

**CLINICAL TRIALS**

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

- ▶ Search for Clinical Trials
- ▶ New HIV/AIDS Trials

**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

**MORE AIDSINFO**

More useful AIDSinfo features:

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

**What's New on AIDSinfo**

**Follow Us On twitter**

**Highlights**

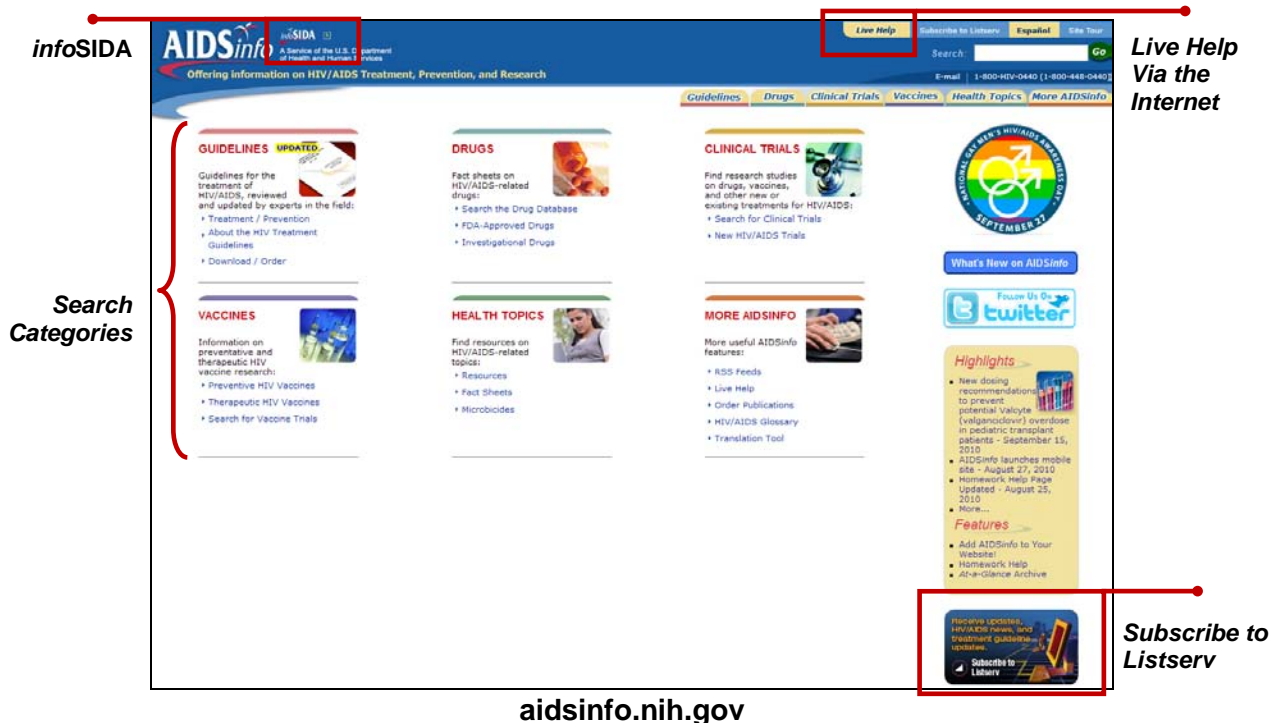
- New dosing recommendations to prevent potential Valcyte (valganciclovir) overdose in pediatric transplant patients - September 15, 2010
- AIDSinfo launches mobile site - August 27, 2010

**[aidsinfo.nih.gov](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.



### 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 the following

- ▶ **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.

## Staying Connected



### **Mobile Version**

Mobile AIDSinfo offers a mobile site that allows users to access its resources and information for phones and other mobile devices. The mobile version is available at **[m.aidsinfo.nih.gov](http://m.aidsinfo.nih.gov)**.



### **Follow us on Twitter**

Twitter provides MedlinePlus users with short, timely, and instantly updated health news and information. Join and follow at **[twitter.com/medlineplus4you](https://twitter.com/medlineplus4you)**.



### **GET E-mail Updates**

E-mail announcements contain links to new topics and sites on MedlinePlus along with other notices. You can sign up to receive general emails covering all health topics, or you can sign up to receive emails about specific topics.



### **Subscribe to RSS**

Really Simple Syndication (RSS) provides notification when new content, press announcements and health news articles are published on MedlinePlus, without cluttering your inbox with e-mail messages.

## Additional Resources

For further information, we recommend these additional resources:

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



## AIDSinfo Search Exercises

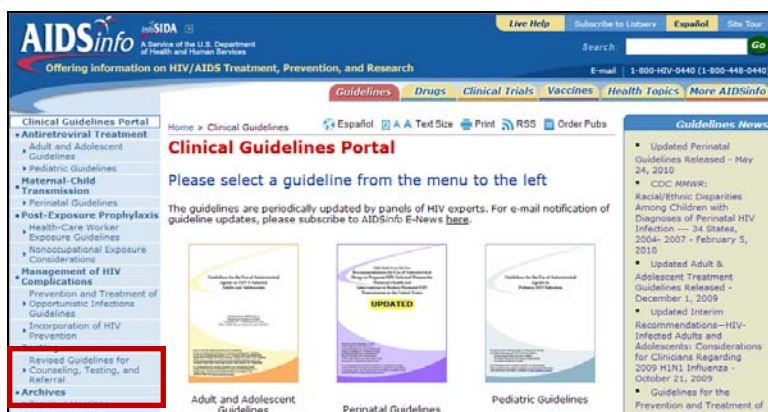
**Search Example: Locate the latest guidance on HIV testing, counseling, and referral.**

Suggested Solution:

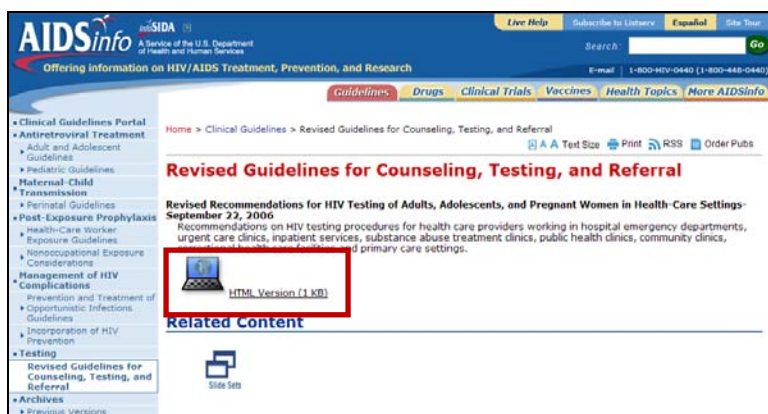
- Go to [aidsinfo.nih.gov](http://aidsinfo.nih.gov)
- Click **GUIDELINES**



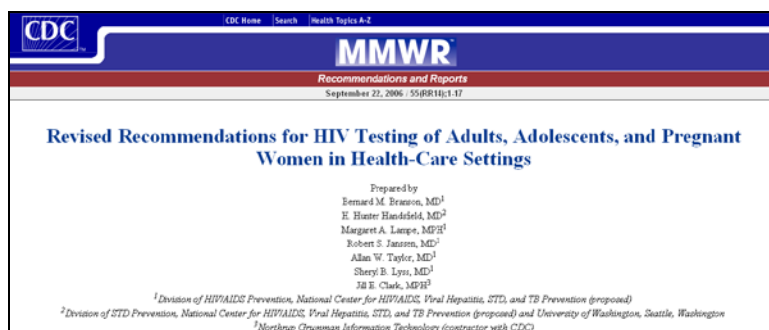
- Click Revised Guidelines for Counseling, Testing, and Referral under **Testing** in the menu bar to the left



- Click the link "HTML Version (1 KB)" to open and review the document



- Review the document and close the CDC window



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



## Search Exercises: Guidelines Category


**Exercise 1: What are the guidelines for incorporating HIV prevention messages into the medical care of HIV positive patients? Review the HTML version.**

Suggested Solution:

- |        |   |
|--------|---|
| Click  | <b>Guidelines</b> tab at the top of the page  |
| Click  | <u>Incorporation of HIV Prevention</u> under <b>Management of HIV Complications</b> in the menu bar to the left                       |
| Click  | <u>HTML Version (1 KB)</u> under <b>Incorporating HIV Prevention into the Medical Care of Persons Living with HIV - July 18, 2003</b> |
| Review | the document and close the pop-up window  |

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

Suggested Solution:

- |        |  |
|--------|--|
| Click  | <b>Guidelines</b> tab  |
| Click  | first topic in the <b>Guidelines News</b> box at the top right of the page   |
| Review | the information  |
|        |  Use the browser's Back button to return to the Clinical Guidelines Portal or close the pop-up window |
| Click  | <u>Subscribe to Listserv</u> at the top right of the page and follow the online instructions for subscribing to the Listserv   |

**Exercise 3: Locate the most recent guidelines for the use of antiretroviral therapy for the treatment of HIV-positive pregnant women. Compare the current guidelines to the guidelines from 1998.**

**Suggested Solution**



|           |  |
|-----------|--|
| Click     | <b>Guidelines</b> tab  |
| Click     | <u>Perinatal Guidelines</u> under <b>Maternal-Child Transmission</b> in the menu bar to the left   |
| Click     | <u>PDF Version (1.2 MB)</u> under <b>Recommendations for Use of Antiretroviral Drugs in Pregnant HIV-1-Infected Women for Maternal Health and Interventions to Reduce Perinatal HIV Transmission in the United States – May 24, 2010</b> |
| Review    | the document and close the pop-up window   |
| Click     | <u>Previous Versions</u> under <b>Archives</b> in the menu bar to the left   |
| Scroll to | Perinatal Guidelines section of the page   |
| Click     | PDF link for “Friday, January 30, 1998”  |
| Review    | the document and close the pop-up window   |

**Exercise 4: Perform a Guidelines search of your choice.**

**Search Exercises: Drug Category**


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

**Suggested Solution:**

|        |   |
|--------|---|
| Click  | <b>Drugs</b> tab at the top of the page   |
| Type   | <b>kaletra</b> in the <b>Drug Name</b> search box under <b>Search the Drug Database</b>   |
| Click  | <b>Search</b> button  |
| Click  | <u>Kaletra (Kaletra)</u> under <b>FDA-approved Drugs</b>  |
|        |  The page defaults to the <b>Patient Version</b>   |
| Review | the information in the Patient Version  |
| Click  | <b>Health Professional Version</b> 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. |

**Exercise 6: Is dizziness a side effect of *Atripla*? Use the alphabetical search feature.**

Suggested Solution:

- Click **Drugs** tab
- Click **A** under **Alphabetical Search**
- Click **Atripla**
- Click **Health Professional Version**
-  Detailed Information is provided only in the health professional version.
- Scroll to the **Adverse Events/Toxicity** section and review the information

**Exercise 7: The FDA recently approved *Intence*, a non-nucleoside reverse transcriptase inhibitor (NNRTI). What is the mode of delivery and dosing form for *Intence*?**

Suggested Solution:

- Click **Drugs** tab
- Type **intence** in the **Drug Name** search box
- Click **Search** button
- Click **Intence (Intence)**
- Review the **Dosage Form/ Administration** section

**Exercise 8: Using the alphabetical search feature, review the Spanish fact sheet for *Darunavir*.**

Suggested Solution:

- Click **Drugs** tab
- Click **D** under **Alphabetical Search**
- Click **Darunavir**
- Click **Spanish Version**


**Exercise 9: View the list of investigational microbicides. Review the clinical trial status of one of the investigational drugs.**

Suggested Solution #1:

- Click **Drugs** tab
- Select **Microbicides** from the **Drug Class** pull-down menu
- Select **Investigational** from the **Drug Approval** pull-down menu
- Click **Search** button

- Click an 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

## Suggested Solution #2:

- Click **Drugs** tab
- Click Microbicides under **Investigational** in the menu bar to the left  
 Note the drug names that appear below the link in the menu bar
- Click an 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

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

## Suggested Solution:

- Click **Drugs** tab
- Type **nevirapine** in the **Drug Name** search box
- Click **Search** button
- Click Nevirapine (Viramune)
- Review the **Recommended Daily Dose** section in the patient fact sheet
- Click Health Professional Version and review the **Dosing Information**

## Search Exercises: Clinical Trials Category

**Exercise 11: Are there any studies investigating kidney complications of HIV/AIDS?**

## Suggested Solution:

- Click **Clinical Trials** tab at the top of the page
- Type **kidney disease** in the **Search Term** box
- Click **Search** button
- Review the clinical trial record(s) and close the ClinicalTrials.gov window

**Exercise 12: Browse the listing of studies investigating HIV prevention in Substance Users.**

Suggested Solution:

- |        |  |
|--------|--|
| Click  | <b>Clinical Trials</b> tab   |
| Click  | <b>Quick Search</b> tab  |
| Click  | <b>Prevention Research</b> topic   |
| Click  | <b>HIV Prevention in Substance Users</b> from the expanded list of subtopics |
| Review | the clinical trial record(s) and close the ClinicalTrials.gov window         |

**Exercise 13: Find all HIV/AIDS trials in your home state.**

Suggested Solution:

- |        |  |
|--------|--|
| Click  | <b>Clinical Trials</b> tab   |
| Click  | <b>Advanced Search</b> tab   |
| Select | your home state from the pull-down menu                              |
| Click  | <b>Search</b> button   |
| Review | the clinical trial record(s) and close the ClinicalTrials.gov window |

**Exercise 14: Are there any clinical trials studying whether the H1N1 vaccine provides protection for HIV-infected pregnant women?**

Suggested Solution:

- |        |  |
|--------|--|
| Click  | <b>Clinical Trials</b> tab   |
| Click  | <b>Advanced Search</b> tab   |
| Type   | <b>pregnant</b> in the <b>Conditions</b> box                         |
| Type   | <b>H1N1</b> in the <b>Interventions</b> box                          |
| Click  | <b>Search</b> button   |
| Review | the clinical trial record(s) and close the ClinicalTrials.gov window |

**Exercise 15: Are there any clinical trials studying the use of dietary supplements in HIV-infected individuals?**

Suggested Solution:

- |        |  |
|--------|--|
| Click  | <b>Clinical Trials</b> tab   |
| Click  | <b>Advanced Search</b> tab   |
| Type   | <b>dietary supplements</b> in the <b>Interventions search</b> box    |
| Click  | <b>Search</b> button   |
| Review | the clinical trial record(s) and close the ClinicalTrials.gov window |

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# 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 **96,602 trials** with locations in **174 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](#)



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[U.S. National Institutes of Health](#) [U.S. Department of Health & Human Services](#)  
[USA.gov](#) [Copyright](#) [Privacy](#) [Accessibility](#) [Freedom of Information Act](#)





[clinicaltrials.gov](https://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 recruiting participants. The database currently contains information on over 96,000 trials with locations in 174 countries.



clinicaltrials.gov

## Searching ClinicalTrials.gov

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



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:** All Studies

**Study Results:** All Studies

**Study Type:** All Studies

**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:** All Studies

☐ Child (birth-17)

☐ Adult (18-65)

☐ Senior (66+)

**Phase:** ☐ Phase I ☐ Phase II ☐ Phase III ☐ Phase IV

### Advanced Search Screen

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

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

Home Search Study Topics Glossary

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

Found 5877 studies with search of: **diabetes**  
[Hide studies that are not seeking new volunteers.](#) [Display Options](#)

| Rank | Status                 | Study   |
|------|------------------------|---|
| 1    | Recruiting             | <b>Study to Find Out if Intensive Diabetes Clinic and Continuous Glucose Monitors Help Teenagers With Diabetes</b><br>Condition: Type 1 Diabetes Mellitus<br>Interventions: Behavioral: Diabetes related psychological counseling and education; Device: Continuous Glucose Monitor   |
| 2    | Not yet recruiting     | <b>Evaluation of a Diabetes-specific Cognitive Behavioural Treatment for Subthreshold Depression</b><br>Conditions: Depressive Symptoms; Diabetes Mellitus<br>Interventions: Behavioral: Diabetes-Specific Cognitive-Behavioral Group Sessions; Behavioral: Educative Group Lesson and Discussion   |
| 3    | Completed              | <b>Obese Patients With Type 2 Diabetes</b><br>Conditions: Obesity; Diabetes Mellitus, Non-insulin-Dependent; Obesity in Diabetes<br>Intervention: Drug: Rimonabant (SR141716)   |
| 4    | Active, not recruiting | <b>Exploratory Study of Icoside Oral Rinse in a Diabetic Population</b><br>Conditions: Diabetes Type 2; Periodontitis<br>Interventions: Drug: Fio Mouth Rinse Placebo; Drug: Fio Mouth Rinse  |
| 5    | Recruiting             | <b>The Effect of a Diabetes Action Team in Patients Post Intra-aortic Balloon Pump Surgery With and Without Diabetes</b><br>Conditions: Type 2 Diabetes; Peripheral Vascular Disease<br>Interventions: Behavioral: Subjects with diabetes who plan to undergo elective infrainguinal bypass surgery will receive standard diabetes care by their admitting physician; Behavioral: Subjects with diabetes who plan to undergo elective infrainguinal bypass surgery will receive diabetes care under the |

### List Results Screen

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

Home Search Study Topics Glossary

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

Found 5877 studies with search of: **diabetes**  
[Hide studies that are not seeking new volunteers.](#) [Display Options](#)

Display Options - choose fields to display in search results below

| Rank | Status                 | Study   |
|------|------------------------|---|
| 1    | Recruiting             | <b>Study to Find Out if Intensive Diabetes Clinic and Continuous Glucose Monitors Help Teenagers With Diabetes</b><br>Condition: Type 1 Diabetes Mellitus<br>Interventions: Behavioral: Diabetes related psychological counseling and education; Device: Continuous Glucose Monitor               |
| 2    | Not yet recruiting     | <b>Evaluation of a Diabetes-specific Cognitive Behavioural Treatment for Subthreshold Depression</b><br>Conditions: Depressive Symptoms; Diabetes Mellitus<br>Interventions: Behavioral: Diabetes-Specific Cognitive-Behavioral Group Sessions; Behavioral: Educative Group Lesson and Discussion |
| 3    | Completed              | <b>Obese Patients With Type 2 Diabetes</b><br>Conditions: Obesity; Diabetes Mellitus, Non-insulin-Dependent; Obesity in Diabetes<br>Intervention: Drug: Rimonabant (SR141716)   |
| 4    | Active, not recruiting | <b>Exploratory Study of Icoside Oral Rinse in a Diabetic Population</b>   |

### List Results Screen with Display Options



# ClinicalTrials.gov Search Exercises

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

Suggested Solution:

- ▶ Go to [clinicaltrials.gov](http://clinicaltrials.gov)
- ▶ Click **Search for Clinical Trials**

**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 96,602 trials with locations in 174 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).

**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](#)

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

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

Home Search Study Topics Glossary

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](#)

- ▶ Review record(s) of your choice

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

Home Search Study Topics Glossary

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

Found 25 studies with search of: **nelfinavir cancer**

[Hide studies that are not seeking new volunteers.](#) [Display Options](#)

| Rank | Status     | Study   |
|------|------------|---|
| 1    | Recruiting | <a href="#">Nelfinavir, a Phase I/Phase II Rectal Cancer Study</a><br>Conditions: Colorectal Cancer; Colorectal Carcinoma; Colorectal Tumors; Neoplasms, Colorectal<br>Intervention: Drug: nelfinavir   |
| 2    | Recruiting | <a href="#">Stereotactic Radiation Therapy, Nelfinavir Mesylate, Gemcitabine Hydrochloride, Leucovorin Calcium, and Fluorouracil in Treating Patients With Locally Advanced Pancreatic Cancer</a><br>Conditions: Pancreatic Cancer; Adenocarcinoma of the Pancreas; Stage III Pancreatic Cancer<br>Interventions: Drug: gemcitabine hydrochloride; Drug: leucovorin calcium; Drug: fluorouracil; Drug: nelfinavir mesylate; Radiation: stereotactic body radiation therapy; Radiation: hypofractionated radiation therapy; Procedure: therapeutic conventional surgery; Other: pharmacological study; Genetic: polymorphism analysis; |

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

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

Home **Search** Study Topics Glossary

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

Found 25 studies with search of: **nelfinavir cancer**

[Hide studies that are not seeking new volunteers.](#) [Display Options](#)

| Rank | Status     | Study   |
|------|------------|---|
| 1    | Recruiting | <a href="#">Nelfinavir, a Phase I/Phase II Rectal Cancer Study</a><br>Conditions: Colorectal Cancer; Colorectal Carcinoma; Colorectal Tumors; Neoplasms, Colorectal<br>Intervention: Drug: nelfinavir   |
| 2    | Recruiting | <a href="#">Stereotactic Radiation Therapy, Nelfinavir Mesylate, Gemcitabine Hydrochloride, Leucovorin Calcium, and Fluorouracil in Treating Patients With Locally Advanced Pancreatic Cancer</a><br>Conditions: Pancreatic Cancer; Adenocarcinoma of the Pancreas; Stage III Pancreatic Cancer<br>Interventions: Drug: gemcitabine hydrochloride; Drug: leucovorin calcium; Drug: fluorouracil; Drug: nelfinavir mesylate; Radiation: stereotactic body radiation therapy; Radiation: hypofractionated radiation therapy; Procedure: therapeutic conventional surgery; Other: pharmacological study; Genetic: polymorphism analysis; |

## Search Exercises

### Exercise 1: Do any clinical trials focus on the impact of probiotics on the immune system?

Suggested Solution:

- Click **Search for Clinical Trials**
- Click **Advanced Search** tab
- Type **immune system** in the **Search Terms** box
- Type **probiotics** in the **Intervention** box
- Click **Search** button and review record(s) of your choice

### Exercise 2: Can *Naltrexone* reduce Crystal Meth dependence?

Suggested Solution:

- Click **Search** in the header bar
- Click **Advanced Search** tab
- Type **crystal meth dependence** in the **Conditions** box
- Type **naltrexone** in the **Interventions** box
- Click **Search** button and review record(s) of your choice

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


Suggested Solution:

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

### Exercise 4: Find Phase III clinical trials for breast cancer for women living in your state.

Suggested Solution:

- Click **Search** in the header bar
- Click **Advanced Search** 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  | 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  | <b>Search</b> button and review record(s) of your choice   |

**Exercise 5: Find all HIV/AIDS clinical trials located in Florida. Next, map the locations of all HIV/AIDS clinical trials in the United States.**

Suggested Solution:

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

**Exercise 6: Using the Studies by Topic feature, retrieve records for clinical trials studying Chronic Hepatitis C.**

Suggested Solution:

|        |   |
|--------|---|
| Click  | <b>Study Topics</b> tab                         |
| Click  | <u>Alphabetic (A-Z)</u> under <b>Conditions</b> |
| Click  | <u>H</u>  |
| Click  | <b>Hepatitis C, Chronic</b>                     |
| Review | record(s) of your choice                        |

**Exercise 7: Using the Studies by Topic feature, review records for clinical trials studying rare diseases starting with L. Review the records for Lipodystrophy.**

Suggested Solution:

|       |  |
|-------|--|
| Click | <b>Study Topics</b> tab                            |
| Click | <u>Alphabetic (A-Z)</u> under <b>Rare Diseases</b> |

|        |                          |
|--------|--------------------------|
| Click  | <u>L</u>                 |
| Click  | <b>Lipodystrophy</b>     |
| Review | record(s) of your choice |

**Exercise 8: What should people consider before participating in a clinical trial?**

Suggested Solution:

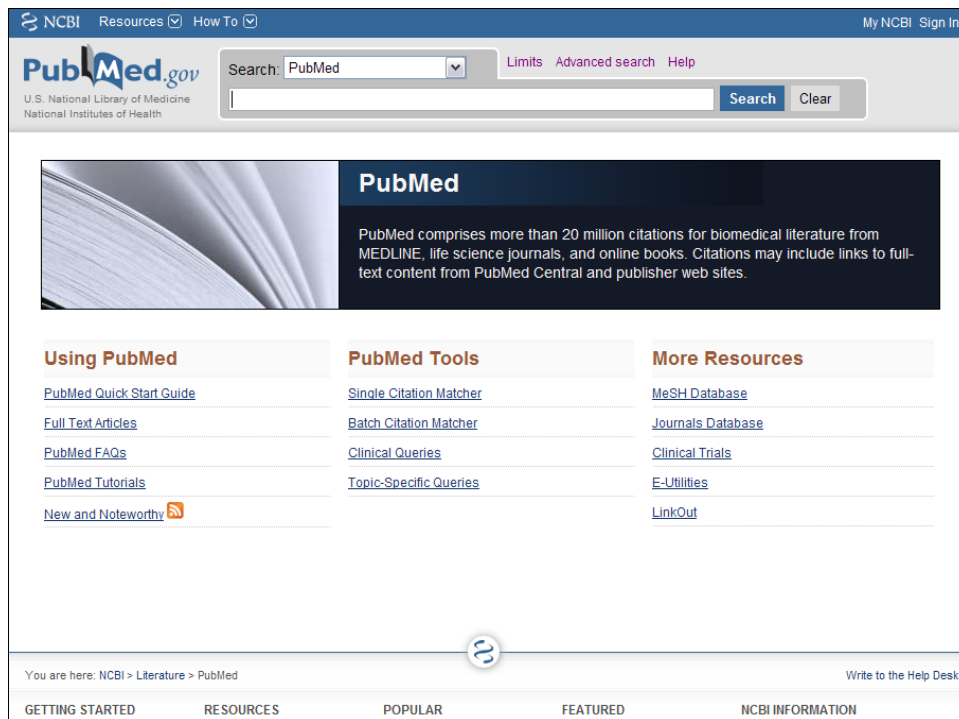
|           |   |
|-----------|---|
| Click     | <b><u>Home</u></b> in the header bar                                      |
| Click     | <b><u>Understanding Clinical Trials</u></b> on the right side of the page |
| Scroll to | <b>What should people consider before participating in a trial?</b>       |
| Review    | information   |

**Exercise 9: What is an institutional review board (IRB) and protocol?**

Suggested Solution:

|           |   |
|-----------|---|
| Click     | <b><u>Glossary</u></b> at the top of the page |
| Scroll to | <b>Institutional Review Board (IRB)</b>       |
| Review    | information                                   |
| Scroll to | <b>Protocol</b>                               |
| Review    | information                                   |

# MEDLINE/PubMed



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. PubMed provides free access to **MEDLINE**, NLM's premier bibliographic database containing citations and author abstracts from over 5,400 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 Web sites and links to molecular biology resources. The scope of PubMed includes such diverse topics as microbiology, delivery of health care, nutrition, pharmacology, and environmental health.

The screenshot shows the PubMed homepage with several key areas highlighted by red boxes and labels:

- NCBI Header:** Located at the top right, containing links for "My NCBI" and "Sign In".
- Search Bar:** Located at the top left, featuring a search input field with "PubMed" entered, a "Search" button, and a "Clear" button. It also includes links for "Limits", "Advanced search", and "Help".
- Tools & Resources:** A central section with three columns:
  - Using PubMed:** Links to PubMed Quick Start Guide, Full Text Articles, PubMed FAQs, PubMed Tutorials, and New and Noteworthy.
  - PubMed Tools:** Links to Single Citation Matcher, Batch Citation Matcher, Clinical Queries, and Topic-Specific Queries.
  - More Resources:** Links to MeSH Database, Journals Database, Clinical Trials, E-Utilities, and LinkOut.
- Links to NCBI resources:** A footer section with four columns:
  - GETTING STARTED:** Links to NCBI Help Manual, NCBI Handbook, and Training & Tutorials.
  - RESOURCES:** Links to Literature, DNA & RNA, Proteins, Sequence Analysis, Genes & Expression, Genomes & Maps, Domains & Structures, Genetics & Medicine, Taxonomy, Data & Software, Training & Tutorials, Homology, Small Molecules, and Vaccination.
  - POPULAR:** Links to PubMed, Nucleotide, BLAST, PubMed Central, Gene, Bookshelf, Protein, OMIM, Genome, SNP, and Structure.
  - FEATURED:** Links to GenBank, Reference Sequences, Map Viewer, Genome Projects, Human Genome, Mouse Genome, Influenza Virus, Primer-BLAST, and Sequence Read Archive.
  - NCBI INFORMATION:** Links to About NCBI, Research at NCBI, NCBI Newsletter, and NCBI FTP Site.

pubmed.gov

### PubMed Homepage

The PubMed homepage includes a NCBI Header, Search Bar, and Footer that are common to all PubMed pages. The **NCBI Header** includes a 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**. Additional Search bar selections, RSS, and Save search, display after running a PubMed search. Popular tools and resources are under **PubMed Tools** (e.g., the Single Citation Matcher, Clinical Queries, and Topic-Specific Queries)

and **More Resources** (e.g., MeSH Database, Journals Database, and Clinical Trials). The **Footer** includes links to many NCBI resources.

## 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.

## Limits

Refine and focus your search with the **Limits** option located above the search box. Checkboxes may be selected for Type of Article, Language, Subsets of journals or topics, Ages, Humans or Animals, Gender, and Dates. Restrict a search to items with links to full text, and make multiple choices within categories. A "Limits Activated" message will appear above the search results list. Limits remain in effect until removed.

### Limits

Dates

Published in the Last: Any date

Type of Article

☐ Clinical Trial  
☐ Editorial  
☐ Letter  
☐ Meta-Analysis  
☐ Practice Guideline

Languages

☐ English  
☐ French  
☐ German  
☐ Italian  
☐ Japanese

Species

☐ Humans  
☐ Animals

Gender

☐ Male  
☐ Female

Subsets

Journal Groups

☐ Core clinical journals  
☐ Dental journals  
☐ Nursing journals

Ages

☐ All Infant: birth-23 months  
☐ All Child: 0-18 years  
☐ All Adult: 19+ years  
☐ Newborn: birth-1 month  
☐ Infant: 1-23 months

Text Options

☐ Links to full text  
☐ Links to free full text  
☐ Abstracts

Search Field Tags

Field: All Fields

Reset

Search

## Advanced Search

The Advanced Search link provides three options to refine and focus a search: **Search Builder**, **Search History**, and **More Resources**. Search Builder allows creation of a search using Boolean operators. Using the All Fields selection will run search terms through the Automatic Term Mapping process, or a specific field may be selected to apply to the term. Search History tracks search statements and numbers them as links. Clicking on the numbered link provides a menu allowing search statements to be combined into a new search with the AND, OR or NOT boolean operators, or to be run, deleted, examined in Details, or saved in My NCBI. More Resources provides links to the MeSH and Journals databases, Single citation Matcher, Clinical Queries, and Topic-Specific Queries.

**PubMed Advanced Search** [« Back to PubMed](#)

**Search Box** [Limits](#) [Details](#) [Help](#)

[Search](#) [Preview](#) [Clear](#)

---

**Search Builder**

All Fields  AND  [Add to Search Box](#)

[Show Index](#)

[Search Builder Instructions](#)

---

**Search History**

[Search History Instructions](#)

---

**More Resources**

[MeSH Database](#)

[Journals Database](#)

[Single Citation Matcher](#)

[Clinical Queries](#)

[Topic-Specific Queries](#)

## 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 the following:

- ▶ Links to related articles for all citations—click the [Related Citations](#) 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

NLM's Loansome Doc is an automated document ordering program that allows PubMed users to order the full text of an article from a participating library. Before an order can be placed, and before a user can register, all Loansome Doc users must first establish an agreement with a library that uses DOCLINE® (NLM's automated interlibrary loan request and referral system). Users who are unsure about which library to contact may obtain assistance from the Regional Medical Library (RML) in their area by calling 1-800-338-7657, Monday-Friday, 8:30 AM - 5:00 PM in all time zones. To register with Loansome Doc go to <https://docline.gov/loansome/login.cfm>. During the online registration process, you will create a user account with your name, address, e-mail, and ordering preference.

From PubMed registered Loansome Doc users can access Loansome Doc by performing a search, clicking the check box to the left of the articles they want to order, and selecting **Send to Order** from the pull down menu.

## Additional Resources

For further information, we recommend these additional resources:

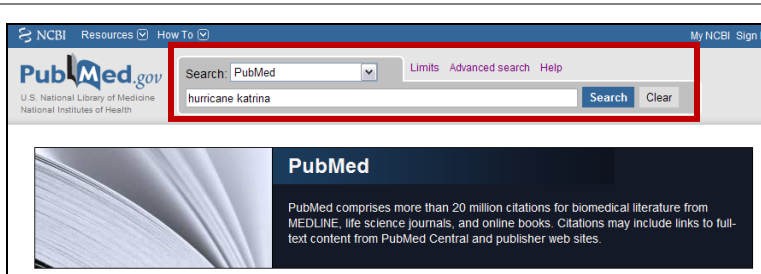
- ▶ PubMed Help (an online Help book)  
[ncbi.nlm.nih.gov/books/bv.fcgi?rid=helppubmed.chapter.pubmedhelp](https://ncbi.nlm.nih.gov/books/bv.fcgi?rid=helppubmed.chapter.pubmedhelp)
- ▶ PubMed Quick Tour: Simple Subject Search  
[nlm.nih.gov/bsd/viewlet/search/subject/subject.html](https://nlm.nih.gov/bsd/viewlet/search/subject/subject.html)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

## MEDLINE/PubMed Search Exercises

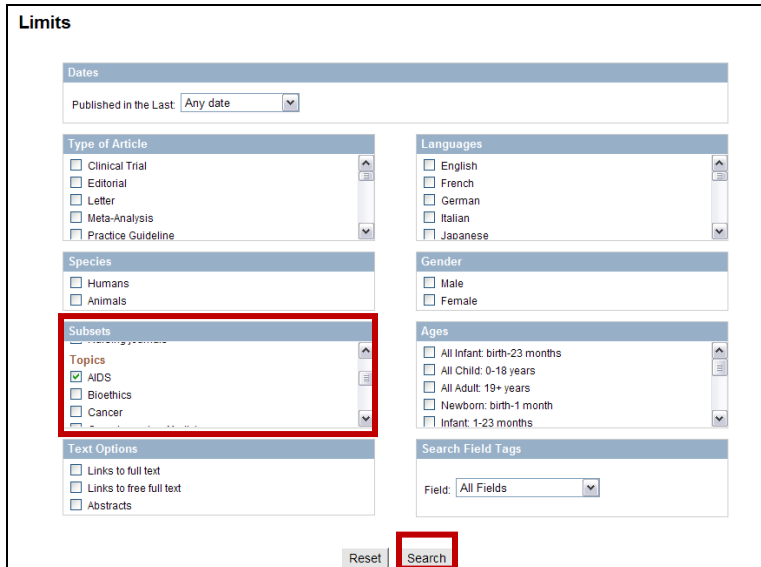
**Search Example: What information has been written about the effects of Hurricane Katrina on people living with HIV/AIDS?**

Suggested Solution:

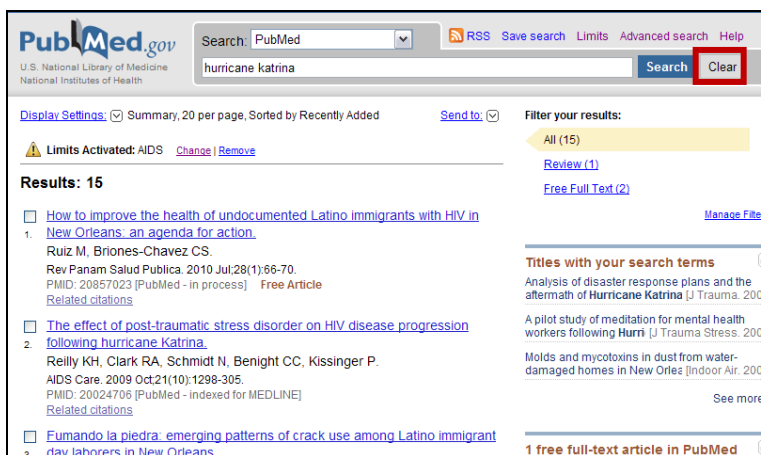
- ▶ Go to **pubmed.gov**
- ▶ Type **hurricane katrina** in the search box
- ▶ Click **Limits**



- ▶ 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  | <b>Search</b> button   |
| Review | the citation(s) retrieved  |
|        |  When limits are selected a <b>Limits Activated</b> portlet will display on the results page. |

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

Suggested Solution:

|        |   |
|--------|---|
| Type   | <b>entecavir coinfectd 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  | <b>Search</b> button  |
| Review | citation(s) retrieved   |

### Exercise 3: Locate articles that discuss whether people infected with herpes simplex virus type 2 (HSV-2) can reduce their risk of becoming infected with HIV by using *Acyclovir*. Review related citations.

Suggested Solution:

|        |   |
|--------|---|
| Type   | <b>HSV-2 acyclovir HIV transmission</b> in the search box |
| Click  | <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 the results by publication date.

Suggested Solution:

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

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


**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  | <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                               |
| Click  | 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  |
| Type   | <b>cultural competency</b> in the search box  |
| Select | <u>AIDS</u> in the <b>Subsets</b> limit box under Topics  |
| 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  |
|        |  An e-mail confirmation message will be 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 homepage 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) and return to the PubMed homepage                        |

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


- |        |  |
|--------|--|
| Click  | <b>My NCBI</b> at the top right of the PubMed page   |
| Click  | <u>Register for an account</u>   |
| 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   | <b>structured antiretroviral therapy interruption</b> in the search box  |
| Click  | the <b>Search</b> button   |
| Click  | <u>Save Search</u> at the top of the screen above the search box   |
| Click  | the <b>Save</b> button   |
| Select | the e-mail update scheduling settings of your choice (optional)  |
| Click  | <u>Save</u>  |
|        |  A saved search confirmation message will be highlighted in green above the abstracts  |

## 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.

# MedlinePlus

The screenshot shows the MedlinePlus website homepage. At the top left is the MedlinePlus logo with the tagline "Trusted Health Information for You". To the right, it states "A service of the U.S. National Library of Medicine" and "NIH National Institutes of Health". Below the logo are links for "About MedlinePlus", "Site Map", "FAQs", "Contact Us", and a "ESPAÑOL" button. A search bar labeled "Search MedlinePlus" with a "GO" button is on the right. A large red banner in the center reads "Our Anatomy Videos are worth a thousand words." and "Visit the page to see how your body works." To the right of the banner is a video thumbnail showing a brain with red arteries. Below the banner are three green buttons: "→ Health Topics", "→ Drugs & Supplements", and "→ Videos & Cool Tools". On the left side, there is a "MEDICAL DICTIONARY" section with a search bar and a "GO" button, and a "POPULAR SEARCHES" section listing "anemia", "asthma", "cancer", "copd", "depression", and "diabetes". In the center, there is an "About Your Health" section with tabs for "General", "Seniors", "Men", "Women", and "Children". Below the tabs are links for "Back Pain", "COPD (Chronic Obstructive Pulmonary Disease)", "Depression", "Diabetes", "Exercise and Physical Fitness", and "Heart Diseases". On the right, there is a "Health News" section with a date "01 OCT" and several news headlines: "9% of U.S. Adults Suffer from Depression", "Kidney Disease Linked to Future Heart Disease, Stroke Risk", "Lifestyle Intervention Improves Risk Factors in Type 2 Diabetes", and a link for "more health news".

MedlinePlus<sup>®</sup>  
Trusted Health Information for You

A service of the U.S. National Library of Medicine  
NIH National Institutes of Health

About MedlinePlus Site Map FAQs Contact Us ESPAÑOL Search MedlinePlus GO

Our Anatomy Videos are worth a thousand words.  
Visit the page to see how your body works.

→ Health Topics → Drugs & Supplements → Videos & Cool Tools

MEDICAL DICTIONARY  
GO

POPULAR SEARCHES  
anemia asthma  
cancer copd depression  
diabetes

About Your Health  
General Seniors Men Women Children

Back Pain  
COPD (Chronic Obstructive Pulmonary Disease)  
Depression  
Diabetes  
Exercise and Physical Fitness  
Heart Diseases

01 OCT Health News  
9% of U.S. Adults Suffer from Depression  
Kidney Disease Linked to Future Heart Disease, Stroke Risk  
Lifestyle Intervention Improves Risk Factors in Type 2 Diabetes  
more health news

[medlineplus.gov](http://medlineplus.gov)



## MedlinePlus

**MedlinePlus** is the National Library of Medicine's answer to consumer friendly, authoritative health information. It contains health information especially written for consumers and patients by the National Institutes of Health and other trusted sources. MedlinePlus contains information on over 800 health topics, 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.

The screenshot shows the MedlinePlus homepage with several annotations:

- Spanish Version:** A red box highlights the "ESPAÑOL" link in the top navigation bar.
- Displays Current Topics and News Features:** A green bracket on the left points to a vertical list of numbers (1-11) next to a large red banner titled "Our Anatomy Videos are worth a thousand words." The banner includes a brain image and a call to action: "Visit the page to see how your body works."
- Tutorials, Calculators, Quizzes, and Games:** A red box highlights the "Videos & Cool Tools" link in the main navigation bar.
- Frequently Visited Health Topic Pages:** A red box highlights the "About Your Health" section, which includes a "MEDICAL DICTIONARY" search bar, a list of "POPULAR SEARCHES" (anemia, asthma, cancer, copd, depression, diabetes, fibromyalgia, gout, hypertension, lupus, mrsa, osteoarthritis, shingles, stroke, vitamin d), and a "FEATURED SITE" for "September is National Cholesterol Education Month".
- Free Quarterly Magazine:** A red box highlights the "MAGAZINE" link in the bottom right corner, with a note "EASY TO READ" and "MULTIPLE LANGUAGES".

The URL **medlineplus.gov** is displayed at the bottom center.

### Features

Features offered by MedlinePlus include:

- ▶ Easy-to-read language
- ▶ Easy-to-navigate pages

- ▶ New links added daily
- ▶ No advertising or endorsements
- ▶ Spanish version: [medlineplus.gov/spanish](http://medlineplus.gov/spanish)

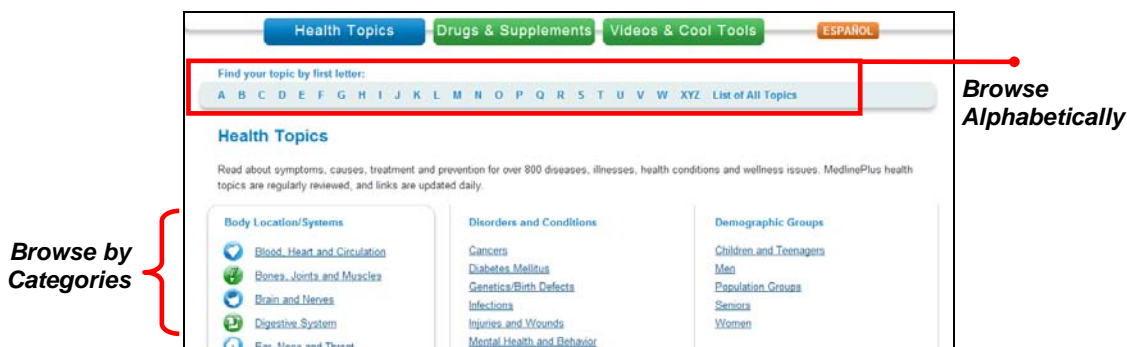
## Searching MedlinePlus

To search MedlinePlus, type a word or phrase into the search box. Your initial search results show matches from all of the MedlinePlus content areas. The default display for MedlinePlus searches is a comprehensive list of **All Results**. The links in the **Refine by Type** box represent sets of MedlinePlus content areas, known as collections. The collections help you narrow your search by displaying results exclusively from one collection. The **Refine by Keyword** box organizes your search results into groups based on the most frequent words in the top 200 results



## Browsing MedlinePlus

**Health Topics** can be browsed alphabetically, by body location and symptoms, disorders and conditions and demographic groups. Read about symptoms, causes, treatment and prevention for diseases, illnesses, health conditions and wellness issues. **Drugs & Supplements** can be browsed alphabetically by brand or generic names. Learn about your prescription drugs and over-the-counter medicines, including side effects, dosage, special precautions, and more. Browse dietary supplements and herbal remedies to learn about their effectiveness, usual dosage, and drug interactions. **Videos and Cool Tools** contains an alphabetical list of multimedia health resources, including calculators, quizzes, games, interactive tutorials, and anatomy and surgery videos.



## Staying Connected



### **Mobile Version**

Mobile MedlinePlus provides authoritative health information for mobile Internet users. It includes a subset of content from the full Web site. It includes summaries for over 800 diseases, conditions and wellness topics as well as the latest health news, an illustrated medical encyclopedia, and information on prescription and over-the-counter medications. The mobile version is available at **[m.medlineplus.gov](http://m.medlineplus.gov)**.



### **GET E-mail Updates**

E-mail announcements contain links to new topics and sites on MedlinePlus along with other notices. You can sign up to receive general emails covering all health topics, or you can sign up to receive emails about specific topics.



### **Subscribe to RSS**

Really Simple Syndication (RSS) provides notification when new content, press announcements and health news articles are published on MedlinePlus, without cluttering your inbox with e-mail messages.



### **Follow us on Twitter**

Twitter provides MedlinePlus users with short, timely, and instantly updated health news and information. Join and follow at **[twitter.com/medlineplus4you](https://twitter.com/medlineplus4you)**.

## Additional Resources

For further information, we recommend these additional resources:

- ▶ MedlinePlus Frequently Asked Questions  
**[nlm.nih.gov/medlineplus/faq/faq.html](http://nlm.nih.gov/medlineplus/faq/faq.html)**
- ▶ Evaluating Internet Health Information: A Tutorial from the National Library of Medicine  
**[nlm.nih.gov/medlineplus/webeval/webeval.html](http://nlm.nih.gov/medlineplus/webeval/webeval.html)**
- ▶ Guide to Healthy Web Surfing  
**[nlm.nih.gov/medlineplus/spanish/tutorial.html](http://nlm.nih.gov/medlineplus/spanish/tutorial.html)**
- ▶ Information for Librarians and Trainers  
**[nlm.nih.gov/medlineplus/training/trainers.html](http://nlm.nih.gov/medlineplus/training/trainers.html)**

## 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 over 20 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: <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> | Value added: <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: Using the alphabetical list of health topics, review the MedlinePlus AIDS page and locate general information about HIV/AIDS.**

Suggested Solution:

- ▶ Go to **medlineplus.gov**
- ▶ Click **Health Topics**



- ▶ Click **A** under **Find your topic by letter**



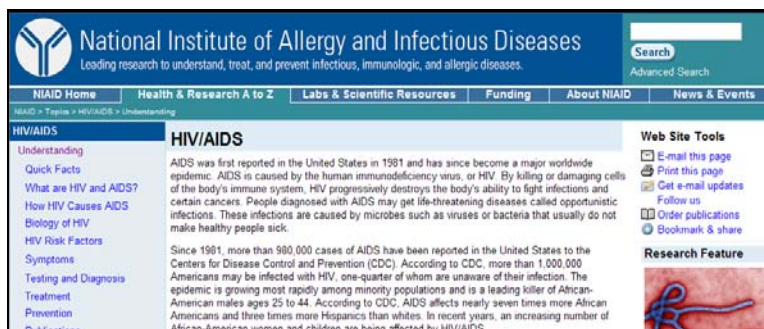
- ▶ Click **AIDS** from the alphabetical list of topics



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



- ▶ Review the information and close the NIH window



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



## Search Exercises: Health Topics

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

Suggested Solution:

- |        |  |
|--------|--|
| Go to  | <a href="http://medlineplus.gov">http://medlineplus.gov</a>              |
| Type   | <b>diabetes complications</b> in the <u>Search MedlinePlus</u> query box |
| Click  | <b>Go</b> button   |
| Click  | a topic of interest to you   |
| Review | the information retrieved and return to the MedlinePlus results page     |

**Exercise 2: Using the alphabetical list of health topics, search for information on H1N1 Flu (Swine Flu). Review the Health Check Tools.**

Suggested Solution:

- |        |  |
|--------|--|
| Click  | <b>Health Topics</b> tab   |
| Click  | <b>H</b> under <b>Find your topic by letter</b>                  |
| Click  | H1N1 (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 alphabetical list of health topics, locate information on factors to consider before using an alternative medicine therapy.**

Suggested Solution:

- |       |  |
|-------|--|
| Click | <b>Health Topics</b> tab                               |
| Click | <b>A</b> under <b>Find your topic by letter</b>        |
| Click | <u>Alternative Medicine</u> from the alphabetical list |

- |        |  |
|--------|--|
| Click  | <u>Be an Informed Consumer</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, review the MedlinePlus magazine HIV/AIDS articles.**

Suggested Solution:

- |        |   |
|--------|---|
| Click  | <b>Health Topics</b> tab  |
| Click  | <u>A</u> under <b>Find your topic by letter</b>   |
| Click  | <u>AIDS</u> from the alphabetical list  |
| Click  | <u>Children</u> under <b>For You</b>  |
| 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                                    |
| Click  | <b>MedlinePlus Magazine</b> under <b>For You</b>  |
| Review | an article(s) of your choice  |
| Click  | your browser's <b>Back</b> button to return to the AIDS page                                  |

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

Suggested Solution:

- |        |  |
|--------|--|
| Click  | <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                                      |

### Search Exercises: Drugs & Supplements

**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 | <b>Drugs &amp; Supplements</b> tab                    |
| Click | <u>B</u> under <b>Browse by generic or brand name</b> |

|        |   |
|--------|---|
| Click  | <a href="#"><u>Buprenorphine Sublingual and Buprenorphine and Naloxone Sublingual</u></a> |
| Click  | <a href="#"><u>Why is this medicine prescribed?</u></a>                                   |
| 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, Ginkgo, St. John's Wort, and Yohimbe bark extract. Can these supplements interfere with prescribed medications? What is the scientific evidence for use of these drugs?**

Suggested Solution:

|  |   |
|--|---|
| Click  | <b>Drugs &amp; Supplements</b> tab  |
| Click  | <b>All herbs and supplements</b>  |
| Click  | <a href="#"><u>Echinacea</u></a> in the alphabetical list                         |
| Click  | <a href="#"><u>Interactions</u></a> and review the information retrieved          |
| Click  | <a href="#"><u>Return to top</u></a>  |
| Click  | <a href="#"><u>Evidence</u></a> and review the information retrieved              |
| Click  | <a href="#"><u>Return to top</u></a>  |
|  | Repeat these steps for: Ginseng, Ginkgo, St. Johns Wort, and Yohimbe bark extract |

**Exercise 8: E-mail the AIDS Medicines page to a client or colleague. Also register to receive AIDS Medication updates by e-mail (optional).**

Suggested Solution:

|        |   |
|--------|---|
| Click  | <b>Drugs &amp; Supplements</b> tab  |
| Click  | <a href="#"><u>AIDS Medicine</u></a> to the right under <b>Related Topics</b>                           |
| Review | the content on the page   |
| Click  | the <a href="#"><u>Email</u></a> icon at the top right of the page and follow the onscreen instructions |
| Close  | the pop-up window and return to the AIDS Medicine page  |
| Type   | your e-mail address in the <b>Get AIDS Medicines updates by e-mail</b> query box                        |
| Click  | the <b>Go</b> button and follow the onscreen directions   |

## Search Exercises: Videos & Cool Tools


**Exercise 9: My doctor has ordered a bronchoscopy to determine if I have pneumocystis carinii pneumonia (PCP). What does this procedure involve? View the bronchoscopy interactive tutorial.**

Suggested Solution:

- |       |   |
|-------|---|
| Click | <b>Videos &amp; Cool Tools</b> tab  |
| Click | <u>Interactive Tutorials</u>  |
| Click | <b><u>Bronchoscopy</u></b> under <b>Tests and Diagnostic Procedures</b>         |
| Click | the <b><u>Start Interactive Tutorial</u></b> button and follow the instructions |
| Close | the tutorial window and return to the <b>Interactive Tutorial</b> page          |

**Exercise 10: Is there a simple way to explain the body's immune response to HIV and other diseases?**


Suggested Solution:

- |   |   |
|---|---|
| Click   | <b>Videos &amp; Cool Tools</b> tab  |
| Click   | the <b>Anatomy Videos</b> tab   |
| Click   | <b><u>Immune Response</u></b> from the alphabetical listing and follow the onscreen instructions  |
|  | This video plays in QuickTime format. If you do not have QuickTime, you will be prompted to obtain a free download of the software before you view the video. |
| Click   | <u>Immune System and Disorders</u> to the right of the page under <b>Related MedlinePlus Page</b>   |
| Click   | <b><u>Games</u></b> under <b>Multimedia and Cool Tools</b>  |
| Click   | <b><u>Play the Immune System Defender Game</u></b> (Nobel Foundation)   |
| Close   | the pop-up window and return to the <b>Immune System and Disorders</b> page   |

**Exercise 11: My partner has been scheduled for coronary artery bypass surgery. Are there multimedia resources that demonstrate the procedure and explain what to expect during and after the procedure?**


Suggested Solution:

- |       |  |
|-------|--|
| Click | <b>Videos &amp; Cool Tools</b> tab   |
| Type  | <b>coronary artery bypass</b> in the <u>Search all Videos &amp; Tutorials</u> search box at the bottom of the page under <b>View latest news</b> |
| Click | the <b><u>Go</u></b> button  |

- |   |  |
|---|--|
| Click   | a video or tutorial of your choice and follow the onscreen instructions  |
|  | The videos open in a second window. If you have a pop-up blocker, you will need to disable it to view the programs |
| Close   | the pop-up window and return to the results page   |

**Exercise 12: I have a family history of Type 2 Diabetes. Is there a way for me to assess my risk of developing the disease?**

Suggested Solution:

- |   |  |
|---|--|
| Click   | <b>Videos &amp; Cool Tools</b> tab   |
| Click   | <b><u>All calculators and quizzes</u></b> to the right under <b>Calculators &amp; Quizzes</b>                                |
| Click   | <b><u>D</u></b> in the alphabetical listing  |
| Click   | <b><u>Diabetes Risk Questionnaire</u></b> (Siteman Cancer Center) under <b>Diabetes</b> and follow the onscreen instructions |
|  | The quizzes open in a second window. If you have a pop-up blocker, you will need to disable it to view the programs          |
| Close   | the pop-up window and return to the <b>Health Check Tools</b> page   |

**Exercise 13: Using the Medical Encyclopedia, locate an illustration depicting Kaposi's sarcoma.**

Suggested Solution:

- |        |  |
|--------|--|
| Click  | <b>Medical Encyclopedia</b> at the bottom of the home page   |
| Click  | <b><u>K</u></b> under <b>Browse by first letter of topic</b> |
| Click  | <b><u>Kaposi's sarcoma</u></b> from the alphabetical list    |
| Click  | the graphic of your choice under <b>Images</b>               |
| Review | the information retrieved                                    |

**Exercise 14: Locate health information on a topic of your choice.**

# The NLM Gateway



The screenshot shows the NLM Gateway homepage. At the top, there is a blue header with the text "NLM Gateway" and "A service of the U.S. National Institutes of Health". To the right of the header is a banner image showing four people (three women and one man) looking at a laptop. Below the banner is a red navigation bar with links: "Home", "Term Finder", "Limits/Settings", "About", "Help", and "FAQ". The main content area is white and contains a search box with the text "Search multiple NLM resources. Learn [more](#)." and a "Search" button. Below the search box is a list of tips for searching by topics, authors, titles, or meeting abstracts. At the bottom of the page are links for "Contact Us", "U.S. National Library of Medicine", "National Institutes of Health", "Health & Human Services", "Privacy", "Copyright", "Accessibility", "Freedom of Information Act", and "USA.gov".

**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](#)

[gateway.nlm.nih.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.

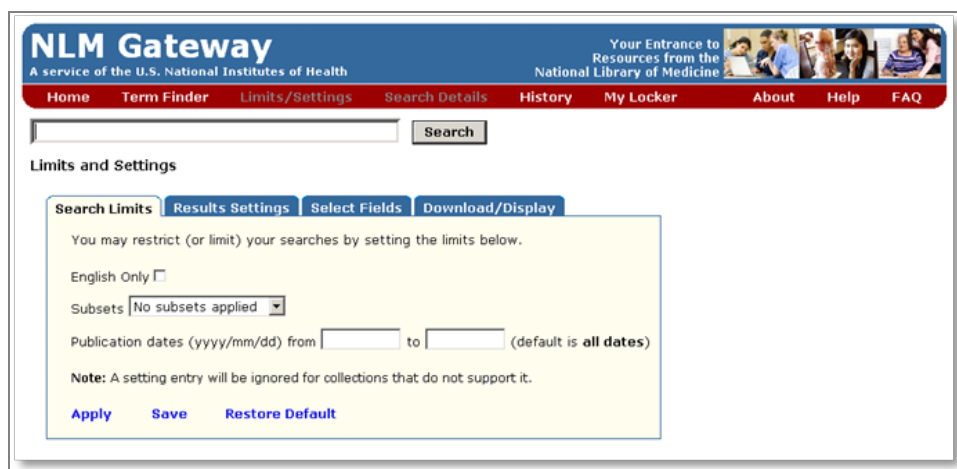


gateway.nlm.nih.gov

## Searching NLM Gateway

For a quick search, type your search term or phrase into the search box on the homepage. 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 homepage. 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, NLM Catalog, Bookshelf, TOXLINE® subset, Developmental and Reproductive Toxicology (DART®), and Meeting Abstracts.
- ▶ **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 (OMIM), 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.

The screenshot shows the NLM Gateway search results page. At the top, the header reads "NLM Gateway" and "Your Entrance to Resources from the National Library of Medicine". Below the header is a navigation bar with links: Home, Term Finder, Limits/Settings, Search Details, History, My Locker, About, Help, and FAQ. A search bar contains the text "hiv aids" and buttons for "Search" and "Clear". Below the search bar, it says "Results Summary: 169739 records found" and includes a link "[ Bookmark this Search ]". The results are organized into three columns:

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

## 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 My Locker. Registration is free.

## Additional Resources

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



## NLM Gateway Search Exercises

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

Suggested Solution:

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

**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 FA

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

- Enter your search in the box above.
- 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**

**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 Search Details History My Locker About Help FAQ

Results Summary: 85825 records found [Bookmark this Search]

| Bibliographic Resources II                          | Consumer Health Resources II                   | Other Information Resources II                                |
|---|--|---|
| 53544 MEDLINE/PubMed - journal citations, abstracts | 23 MedlinePlus - Health Topics                 | 257 Images from the History of Medicine                       |
| 2889 NLM Catalog - books, AVs, serials              | 72 MedlinePlus - Drug Information              | 169 HSRProj - Health Services Research Projects               |
| 1425 Bookshelf - full text biomedical books         | 39 MedlinePlus - Medical Encyclopedia          | 20 OMIM - Online Mendelian Inheritance in Man                 |
| 1749 TOXLINE Subset - toxicology citations          | 10 MedlinePlus - Current Health News           | 58 HSDB - Hazardous Substances Data Bank                      |
| 55 DART - Developmental and Reproductive Toxicology | 22 MedlinePlus - Other Resources               | 0 IRIS - Integrated Risk Information System                   |
| 21757 Meeting Abstracts                             | 3633 ClinicalTrials.gov                        | 0 ITER - International Toxicity Estimates for Risk            |
|   | 95 DIBLINE - Directory of Health Organizations | 0 GENE-TOX - Genetic Toxicology (Mutagenicity)                |
|   | 3 Genetics Home Reference                      | 0 CCRIS - Chemical Carcinogenesis Research Information System |
|   | 0 Household Products Database                  | 5 Profiles in Science   |

- ▶ Review the record(s) of your choice
- ▶ Click the **Results** in the left sidebar to return to the search results page
- ▶ Click the **Clear** tab to prepare for a new search

**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 Search Details History My Locker About Help FAQ

**Results**

**HSRProj Results** (Items 1-20 of 169)

Prev  1 of 9 Next E-mail Download Put in locker

Clear check marks

- ☐ Pentecostalism and utilization of HIV/AIDS treatment services in central Mozambique  
Pfeiffer, James T.
- ☐ The impact of the BRIDGE program upon treatment engagement among HIV+ adults  
McKay, Mary M.
- ☐ Preventing HIV/AIDS in treatment-resistant drug-abusing youth  
Waldron, Holly Barrett.
- ☐ Collaborative HIV/AIDS prevention and mental health treatment project  
Reif, Susan.
- ☐ 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   | <b>flu vaccine viral loads</b> in the search box                                    |
| Click  | <b>Limits/Setting</b> button  |
| Select | <u>AIDS</u> from the subset pull-down menu and click <b>Apply</b>                   |
| Click  | <b>Search</b> button  |
| Click  | <b>MEDLINE/PubMed</b> under <b>Bibliographic Resources</b>                          |
| Review | citation(s) of your choice  |
| Click  | <b>Results</b> button to the left of the page to return to the results summary page |
| Click  | <u><b>ClinicalTrials.gov</b></u> under <b>Consumer Health Resources</b>             |
| Review | record(s) of your choice and close the ClinicalTrials.gov window                    |
| Click  | <b>Clear</b> tab to prepare for a new search  |


**Exercise 2: Locate information on crystal methamphetamine use among men who have sex with men (MSM).**

Suggested Solution:

|        |  |
|--------|--|
| Type   | <b>crystal methamphetamine men sex men</b> in the search box<br> Note that the <b>Limits</b> tab still contains a checkmark. You are still searching the AIDS subset of the NLM Gateway |
| Click  | <b>Search</b> button   |
| Review | record(s) of your choice   |
| Click  | <b>Clear</b> tab to prepare for a new search   |

**Exercise 3: Locate meeting abstracts from the 2006 International Conference on AIDS. Limit the search to the AIDS subset.**

Suggested Solution:

|      |  |
|------|--|
| Type | <b>International Conference on AIDS [CN] AND 2006 [DP]</b> in the search box<br> To search for abstracts from a professional conference, enter the conference name followed by the field qualifier [CN]. You may choose to limit your search to a specific year by using the qualifier [DP] |
|------|--|

- |        |  |
|--------|--|
| Click  | <b>Search</b> button                         |
| Review | record(s) of your choice                     |
| Click  | <b>Clear</b> tab to prepare for a new search |

**Exercise 4: 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 | <b>My Locker</b> button at the top of the page  |
| Click | <b>Create one now</b> and follow the on-screen instructions for setting up a user name and password |
| Type  | <b>structured antiretroviral therapy interruption</b> in the search box                             |
| Click | <b>Search</b> button  |
| Click | <u>Meeting Abstracts</u> under <b>Bibliographic Resources</b>                                       |
| Click | the box next to the record of your choice   |
| Click | <b><u>Put in locker</u></b> at the top of the page  |

**Exercise 5: Perform a search on a health topic of your choice.**

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# DIRLINE



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

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## Directory of Health Organizations

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### Search DIRLINE

(e.g. aging chronic diseases, scleroderma)

[Search](#) [Clear](#)

**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

[Search](#) [Browse the Index](#)



### Health Hotlines

Toll-free numbers for  
over 300 organizations

[Get the App](#)

### Other NLM Resources

[MedlinePlus®](#)  
[PubMed](#)  
[NLM Gateway](#)  
[LocatorPlus](#)

### Support Pages

[dirline.nlm.nih.gov](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.

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**Search DIRLINE**

**Search** **Clear**

(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.)

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NLM Gateway  
LocatorPlus

**Support Pages**

Help  
Fact Sheet  
Disclaimer  
**A to Z List of Health Organizations**

**Health Related Organizations with Toll-free Phone Service**

**Alphabetical List of Health Organizations**

**dirline.nlm.nih.gov**

DIRLINE contains over 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 homepage to browse for a health organization:



## Additional Resources

For further information, we recommend these additional resources:

- ▶ DIRLINE Fact Sheets  
[nlm.nih.gov/pubs/factsheets/dirlinfs.html](http://nlm.nih.gov/pubs/factsheets/dirlinfs.html)  
[sis.nlm.nih.gov/pdf/dirline\\_factsheet.pdf](http://sis.nlm.nih.gov/pdf/dirline_factsheet.pdf)
- ▶ Prescription for Success: Consumer Health Information on the Internet  
 (National Network of Libraries of Medicine)  
[nnlm.gov/training/consumer/prescription](http://nnlm.gov/training/consumer/prescription)



## DIRLINE Search Exercises

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

Suggested Solution:

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

Directory of Health Organizations  
SIS Specialized Information Services

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SIS Home >

Search DIRLINE

hiv aids   Search   Clear

(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.)

Health Hotlines  
Toll-free numbers for over 300 organizations

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

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SIS Specialized Information Services

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hiv aids   Search   Clear

Items 1 through 20 of 362   Page 1 of 19   Go to page

Organization Names are sorted in relevancy ranked order.

Select Record   Organization Name

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

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

DIRLINE   SIS Home   DIRLINE

hiv aids   Search   Clear

Item 1 of 362

Ministry for HIV/AIDS  
Office for Health and Wholeness Advocacy  
United Church of Christ

700 Prospect Ave.  
Cleveland, OH 44115-1100

Telephone:  
(866) 822-8224 ext. 3217 (toll-free)  
(216) 736-3217  
(216) 736-3203 (Fax)

Search Results   Download   New Search   Modify Search   Details   History

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

Directory of Health Organizations  
SIS Specialized Information Services

DIRLINE Search Results   SIS Home   About Us   Site Map & Search   Contact Us

SIS Home   DIRLINE

hiv aids   Search   Clear

Items 1 through 20 of 362   Page 1 of 19   Go to page

Organization Names are sorted in relevancy ranked order.

Select Record   Organization Name

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

4 ☐ HIV/AIDS Ministry Network - General Board of Global Ministries/Health and

Save Checked Items   Sort   Details   History   Download   Modify Search   New Search   Browse Index   SIS Home   MEDLINEplus


## 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 herpes infection?

Suggested Solution:

- |        |   |
|--------|---|
| Type   | <b>herpes</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: Locate organizations that provide information on diet and nutrition.

Suggested Solution:

- |        |   |
|--------|---|
| Type   | <b>diet nutrition</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 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 <b>Sort</b> button on the left       |

|        |   |
|--------|---|
| Click  | <b>Descending</b> and then the <b>Sort</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 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.



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

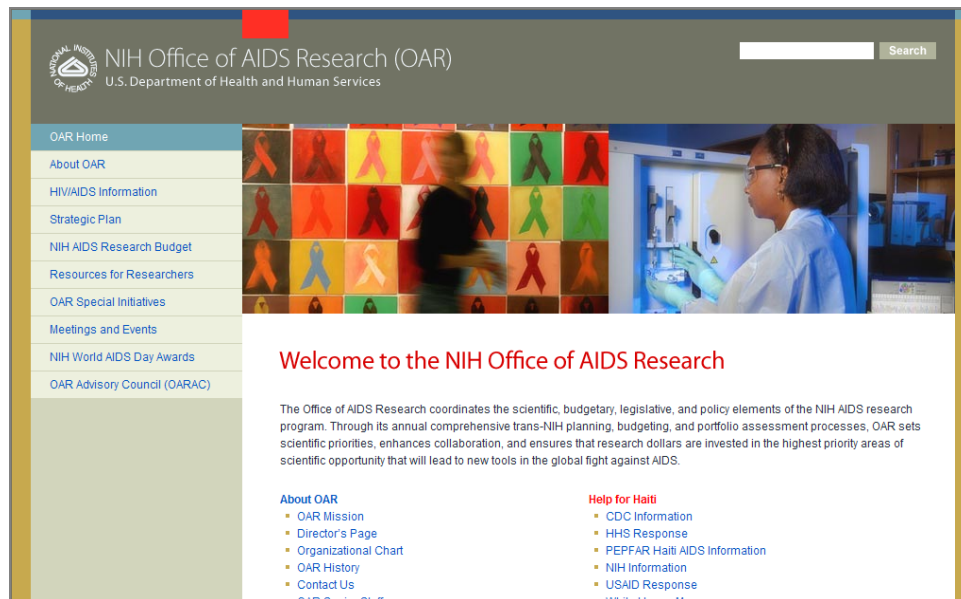
### Tools and Resources

- ▶ 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.



[www.oar.nih.gov](http://www.oar.nih.gov)

### Strategic Plan

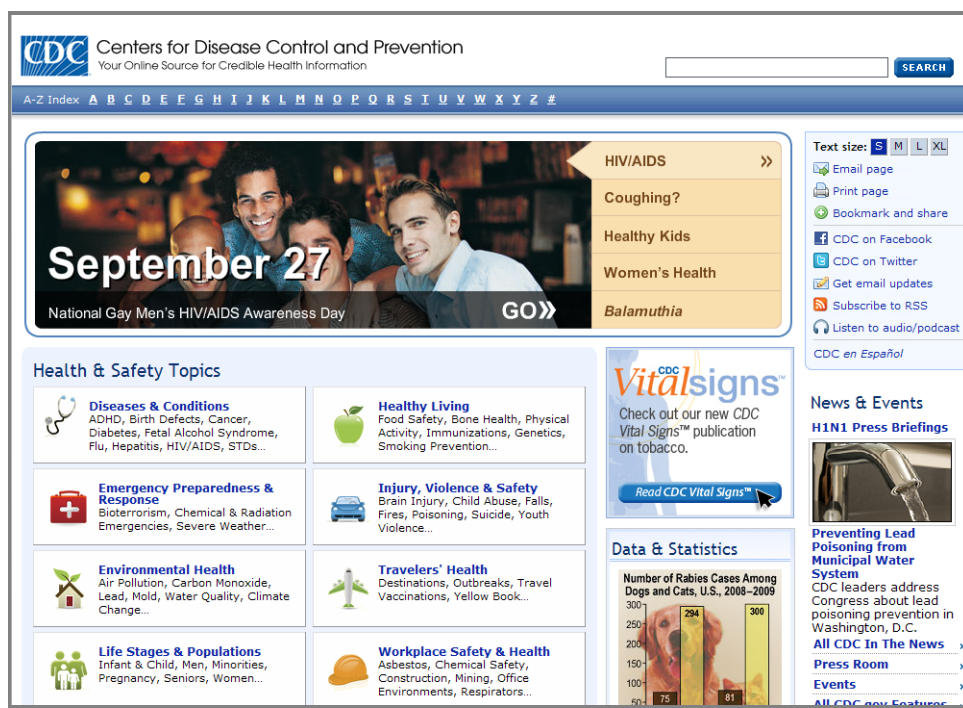
- ▶ Trans-NIH Plan for HIV-Related Research

### 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.



**cdc.gov**

### Recommended Sections

- ▶ Health Disparities  
[cdc.gov/omhd/Topic/HealthDisparities.html](http://cdc.gov/omhd/Topic/HealthDisparities.html)
- ▶ Health Disparities: A Selected Bibliography  
[cdc.gov/nccdphp/publications/healthdisparities](http://cdc.gov/nccdphp/publications/healthdisparities)
- ▶ Healthy Schools Healthy Youth!  
[cdc.gov/healthyyouth](http://cdc.gov/healthyyouth)

## Selected Internet Resources in Health

---

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

[ahrq.gov](http://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**

[ama-assn.org](http://ama-assn.org)

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

### **BioMed Central**

[biomedcentral.com/browse/journals](http://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**

[cdc.gov/DiseasesConditions](http://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**

[cdc.gov/environmental](http://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**

[www.fda.gov/cder](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**[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**[cnn.com/HEALTH](http://cnn.com/HEALTH)

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

**Directory of Open Access Journals**[www.doaj.org](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**[docguide.com](http://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**[www.fda.gov](http://www.fda.gov)

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

**Health Care Language Services Implementation Guide**[hclsig.thinkculturalhealth.org](http://hclsig.thinkculturalhealth.org)

Guide to help health care organizations implement effective language access services to meet the needs of their patients with limited English proficiency.

**Health Disparities/CDC**[cdc.gov/omhd/Topic/HealthDisparities.html](http://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**[cdc.gov/nccdphp/publications/healthdisparities/](http://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**

[healthhotlines.nlm.nih.gov](http://healthhotlines.nlm.nih.gov)

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

### **Healthfinder**

[healthfinder.gov](http://healthfinder.gov)

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

### **Healthy People 2010**

[healthypeople.gov](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**

[phpartners.org/hp](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**

[cdc.gov/healthyyouth/](http://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**

[medmatrix.org/reg/register.asp](http://medmatrix.org/reg/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**

[medicinenet.com](http://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**

[medlineplus.gov](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®**

[medscape.com](http://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**

[familyhistory.hhs.gov](http://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**

[nlm.nih.gov](http://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**

[nlm.nih.gov/docline/freehealthlit.html](http://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**

[nmanet.org](http://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**

[www.womenshealth.gov](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**

[health.nih.gov](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**

[nursingnet.org](http://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**

[omhrc.gov](http://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**

[phpartners.org](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**

[phpartners.org/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**

[ncadi.samhsa.gov](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**

[plos.org/journals](http://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**

[pubmed.gov](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**

[raonline.org/states](http://raonline.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®**

[uihealthcare.com/vh](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**

[webmd.com](http://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**

[wholehealthmd.com](http://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**

[aids.gov](http://aids.gov)

**AIDS.ORG**

[aids.org](http://aids.org)

**AIDS Action Committee of Massachusetts**

[aac.org](http://aac.org)

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

[www.aegis.org](http://www.aegis.org)

**AIDS History Project**

[library.ucsf.edu/collections/archives/manuscripts/aids](http://library.ucsf.edu/collections/archives/manuscripts/aids)

**AIDS Images Library**

[aids-images.ch](http://aids-images.ch)

**AIDS Information and Controversy 1985–1995**

[aidsinfobbs.org](http://aidsinfobbs.org)

**AIDS InfoNet**

[aidsinfonet.org](http://aidsinfonet.org)

**AIDS Project Los Angeles**

[apla.org](http://apla.org)

**AIDS Resource List**

[specialweb.com/aids](http://specialweb.com/aids)

**AIDS Treatment Data Network**

[atdn.org](http://atdn.org)

**AIDS Treatment News**

[thebody.com/content/art31573.html](http://thebody.com/content/art31573.html)

**AIDSinfo**

[aidsinfo.nih.gov](http://aidsinfo.nih.gov)

**aidsinfonyc.org**

[aidsinfonyc.org](http://aidsinfonyc.org)

**Aidsmap**

[aidsmap.com](http://aidsmap.com)

**All the Virology on the WWW**

[virology.net/garryfavweb.html](http://virology.net/garryfavweb.html)

**The Alternative Medicine Homepage**

[pitt.edu/~cbw/altm.html](http://pitt.edu/~cbw/altm.html)

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

[amfar.org/globalink](http://amfar.org/globalink)

**American Red Cross**

[redcross.org](http://redcross.org)

**Australian Federation of AIDS Organisations**

[afao.org.au](http://afao.org.au)

**The Body**

[thebody.com](http://thebody.com)

**California AIDS Clearinghouse**

[lagaycenter.org](http://lagaycenter.org)

**Canadian AIDS Treatment Information Exchange**

[catie.ca](http://catie.ca)

**Canadian HIV Trials Network**

[www.hivnet.ubc.ca/e/home/](http://www.hivnet.ubc.ca/e/home/)

**Center for AIDS Prevention Studies**

[caps.ucsf.edu](http://caps.ucsf.edu)

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

[cdc.gov/hiv](http://cdc.gov/hiv)

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

[nimh.nih.gov/about/organization/dahbr/center-for-mental-health-research-on-aids/](http://nimh.nih.gov/about/organization/dahbr/center-for-mental-health-research-on-aids/)

**Critical Path AIDS Project**

[critpath.org](http://critpath.org)

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

[gmhc.org](http://gmhc.org)

**Healthfinder.gov**

[healthfinder.gov](http://healthfinder.gov)

**Health Resources and Services Administration (HRSA) HIV/AIDS Program:  
Caring for the Underserved**  
[hab.hrsa.gov](http://hab.hrsa.gov)

**Health Services/Technology Assessment Text (HSTAT)**  
[ncbi.nlm.nih.gov/books/bv.fcgi?rid=hstat](http://ncbi.nlm.nih.gov/books/bv.fcgi?rid=hstat)

**HIV Databases**  
[hiv.lanl.gov/](http://hiv.lanl.gov/)

**HIV InSite**  
[hivinsite.ucsf.edu](http://hivinsite.ucsf.edu)

**HIV/AIDS Surveillance (U.S. Census Bureau)**  
[www.census.gov/ipc/www/hivaidsn.html](http://www.census.gov/ipc/www/hivaidsn.html)

**HIV/AIDS Vaccines**  
[www.niaid.nih.gov](http://www.niaid.nih.gov)

**HIVandHepatitis.com**  
[hivandhepatitis.com](http://hivandhepatitis.com)

**HIVdent (dental information)**  
[www.hivdent.org](http://www.hivdent.org)

**HIVpositive.com**  
[hivpositive.com](http://hivpositive.com)

***How to Find Reliable HIV/AIDS Treatment Information on the Internet***  
[orise.orau.gov/files/hctt/AIDSTreatment\\_revAug2009.htm](http://orise.orau.gov/files/hctt/AIDSTreatment_revAug2009.htm)

**International AIDS Society**  
[www.iasociety.org](http://www.iasociety.org)

**International Association of Physicians in AIDS Care**  
[iapac.org](http://iapac.org)

**Johns Hopkins HIV Guide**  
[www.hopkins-aids.edu](http://www.hopkins-aids.edu)

**Joint United Nations Programme on HIV/AIDS**  
[unaids.org](http://unaids.org)

**MedlinePlus AIDS**  
[medlineplus.gov/aids](http://medlineplus.gov/aids)

**Medscape HIV/AIDS**  
[medscape.com/hiv](http://medscape.com/hiv)

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

[natap.org](http://natap.org)

**National Clearinghouse for Alcohol and Drug Information**

[ncadi.samhsa.gov](http://ncadi.samhsa.gov)

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

[nccc.ucsf.edu](http://nccc.ucsf.edu)

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

[www.niaid.nih.gov](http://www.niaid.nih.gov)

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

[www.oar.nih.gov](http://www.oar.nih.gov)

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

[sis.nlm.nih.gov/hiv.html](http://sis.nlm.nih.gov/hiv.html)

**National Minority AIDS Council**

[nmac.org](http://nmac.org)

**National Prevention Information Network**

[cdcpin.org](http://cdcpin.org)

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

[aidsnyc.org](http://aidsnyc.org)

**NIAID Division of Acquired Immunodeficiency Syndrome**

[www.niaid.nih.gov/about/organization/daids/](http://www.niaid.nih.gov/about/organization/daids/)

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

[phpartners.org/hp/hiv.html](http://phpartners.org/hp/hiv.html)

**Positive.org**

[positive.org/Home](http://positive.org/Home)

**Project Inform**

[projinf.org](http://projinf.org)

**PubMed**

[pubmed.gov](http://pubmed.gov)

**PubMed Training Manual (NLM)**

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

**PubMed Tutorial (NLM)**

[nlm.nih.gov/bsd/disted/pubmedtutorial/](http://nlm.nih.gov/bsd/disted/pubmedtutorial/)

**Rural Center for AIDS/STD Prevention**

[indiana.edu/~aids](http://indiana.edu/~aids)

**San Francisco AIDS Foundation**

[sfaf.org](http://sfaf.org)

**Social Security Administration**

[ssa.gov](http://ssa.gov)

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

[research.brown.edu/research/labs.php](http://research.brown.edu/research/labs.php)

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

[aids.gov](http://aids.gov)

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

[www.fda.gov/ForConsumers](http://www.fda.gov/ForConsumers)

**World Health Organization, Tuberculosis**

[who.int/tb/en/](http://who.int/tb/en/)

**Yahoo AIDS/HIV Resources**

[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><br>(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><br>(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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