

# **CARIBBEAN EQUAL ACCESS PROGRAM:**

# **HIV/AIDS**

**Information Resources from the  
National Library of Medicine**

**San Juan, Puerto Rico**  
**January 29, 2009**







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**Caribbean Equal Access Program:**

**HIV/AIDS Information Resources**

**From the National Library of Medicine**

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**A Specialized Training Course  
developed for the**

**the National Minority AIDS Council and Office of AIDS Research  
2009 Caribbean Equal Access Program**

**Presented at  
San Juan, Puerto Rico  
January 29, 2009**

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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 prevention, treatment, and research. The National Library of Medicine, of the National Institutes of Health, has a wealth of health information resources freely available on the Internet to address these needs.

The *Caribbean Equal Access Program: HIV/AIDS Information Resources from the National Library of Medicine* training is designed specifically for the **National Minority AIDS Council 2009 Caribbean Equal Access Program (CEAP)** awardees to provide valuable health information resources from the National Library of Medicine and other reliable sources to increase awareness of the wealth of treatment information and educational materials that are available on the Internet and to improve prevention and treatment education for their clients. These resources will also meet the needs of community-based organizations and AIDS service organizations that need the most accurate and up-to-date information about the management of HIV and AIDS, including clinical trials, HIV/AIDS drugs, treatment guidelines, and medical literature.

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

The CEAP training is sponsored by the National Library of Medicine/National Institutes of Health, the National Minority AIDS Council, and the Office of AIDS Research National Institutes of Health.



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

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



<http://www.nmac.org>

**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.



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

**The Office of AIDS Research (OAR)** is located within the National Institutes of Health Office of the Director. OAR is responsible for the planning, coordination, evaluation, and funding of all NIH AIDS research and promotes collaborative research activities.

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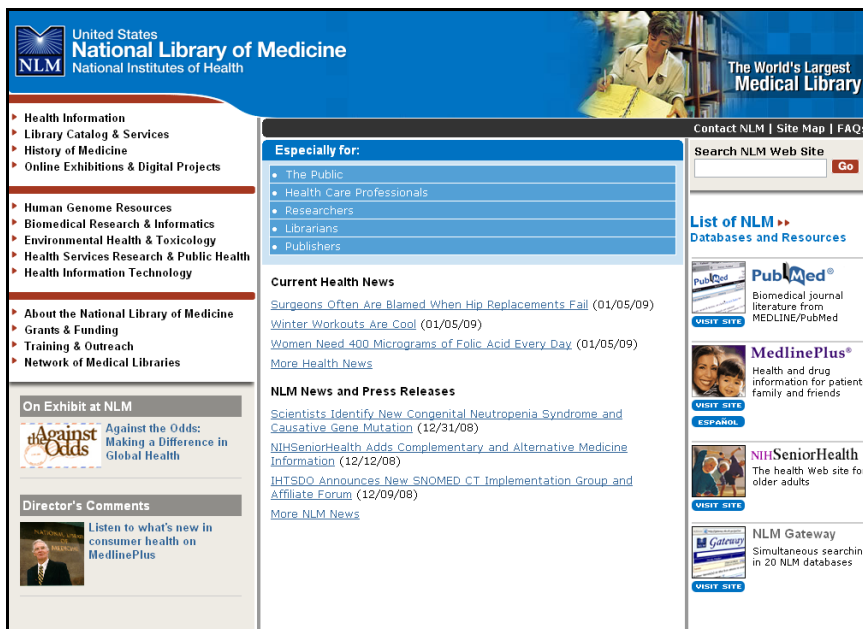
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**Savvy Health Surfing Reference Card.....(final page)**

*This is a pull-out card for you to use as a reference.*



# Introduction



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

## Introduction

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### Purpose

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

### Objectives

After completing this course, participants will be able to:

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

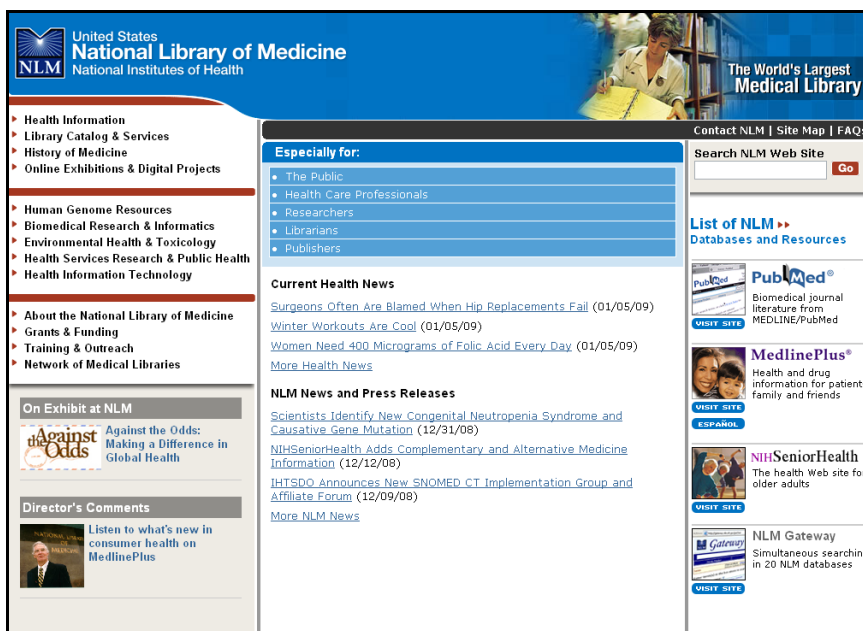
### NLM Online Resources Covered in this Class

The following key resources will be covered in depth with time given for hands-on practice:

- ▶ **InfoSIDA**—a Department of Health and Human Services Web site that provides the latest federally approved information on HIV/AIDS clinical research, treatment and prevention, and medical practice guidelines for consumers and health care providers in English and Spanish
- ▶ **ClinicalTrials.gov**—regularly updated information about federally and privately supported clinical research for a wide range of diseases and conditions, including locations and phone numbers for more details
- ▶ **MEDLINE/PubMed**—access to more than 18 million references to journal articles published in 5,200 journals in the fields of medicine and the life sciences
- ▶ **MedlinePlus**—a consumer health information resource, including full-text documents on over 750 medical topics, information on drugs, a medical encyclopedia, medical dictionaries, and directories of libraries, hospitals, and health care professionals
- ▶ **NLM Gateway**—a Web-based search interface that allows users to search simultaneously in multiple NLM retrieval systems, providing “one-stop searching” for many of NLM's information resources and databases

- ▶ **DIRLINE**—an online directory of more than 8,000 health-related organizations offering information and referral for many diseases and conditions

# Basic Internet Skills



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

## Basic Internet Skills

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

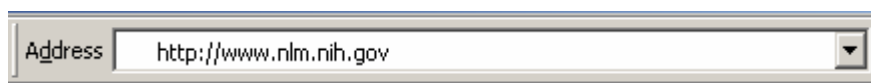
The Internet and the World Wide Web (Web) are not the same thing. The Internet is a worldwide network of computer networks that can all “talk” to each other using languages called “protocols.” The Web is only one portion of the Internet, the best known part, and is viewed with a graphical interface software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



#### 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     |

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:



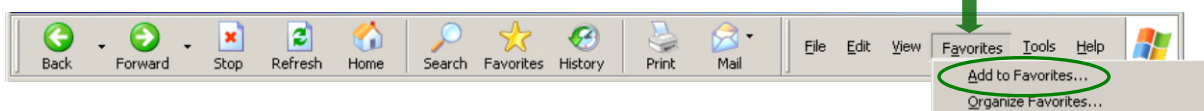
- Click...
- Back**...to return to the last page you viewed
  - Forward**...to return to a page you viewed before clicking the **Back** button
  - Stop**...to cancel opening a new page
  - Refresh**...to re-open (reload) the page
  - Home**...to go to your starting page (can be customized)
  - Search**...to 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.

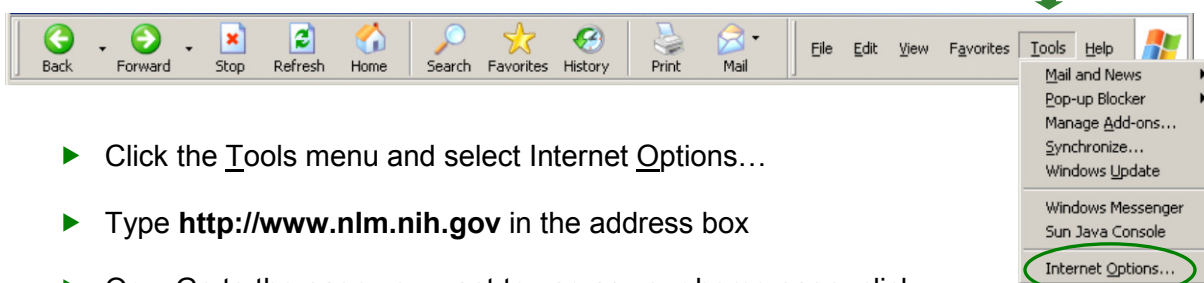


- Click...
- Edit**, and then **Find** (on This Page)...to find key words on the page you are viewing
  - View**, and then **Text Size**...to increase or decrease the text size on the page
  - Favorites**...to bookmark a Web page or to organize your bookmarks
  - Tools**, and then **Internet Options**...to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

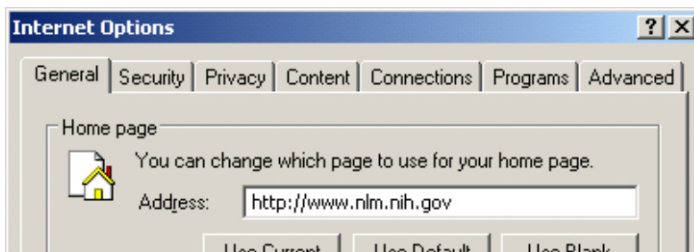
#### Example: Bookmarking the National Library of Medicine Web site using the **Favorites** menu.



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

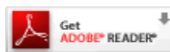
Tips for Printing Web Pages:

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

**About Adobe PDF and Adobe Reader**

Adobe Portable Document Format (PDF) is a universal file format that has become an international standard for electronic document distribution. Created by Adobe Systems, Inc., PDF allows users to

print files as they appear on screen, keeping page numbering and graphics intact. Adobe offers the free Adobe Reader® program so that anyone can view and print PDF files. To install Adobe Reader, go to <http://www.adobe.com/downloads> and click the **Get ADOBE® READER®** icon.



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

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



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

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

## World Wide Web Search Tools

The primary tools for finding information on the Web are search directories, search engines, and metasearch engines. For a specific list of selected World Wide Web search tools, see page 13.

- ▶ **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

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:



## 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?

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

## Selected World Wide Web Search Tools

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### Major Search Directories and Search Engines

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

### Meta Search Engines

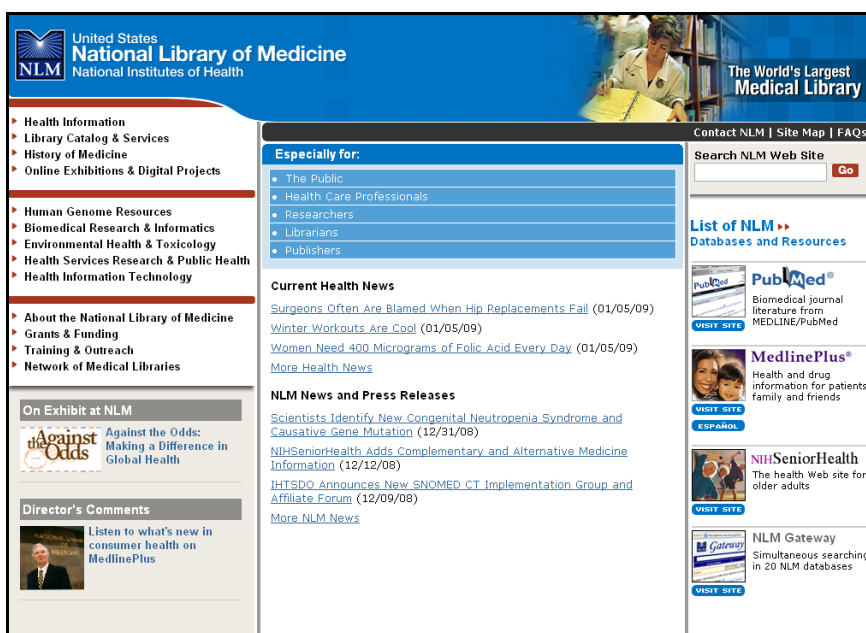
- ‘ Dogpile <http://www.dogpile.com>
- ‘ InfoGrid <http://www.infogrid.com>
- ‘ Infonetware RealTerm Search <http://www.infonetware.com>
- ‘ Ixquick <http://www.ixquick.com>
- ‘ KartOO <http://www.kartoo.com>
- ‘ Mamma <http://www.mamma.com>
- ‘ Query Server <http://www.queryserver.com>
- ‘ SurfWax 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

### Miscellaneous

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

This page is intentionally blank.

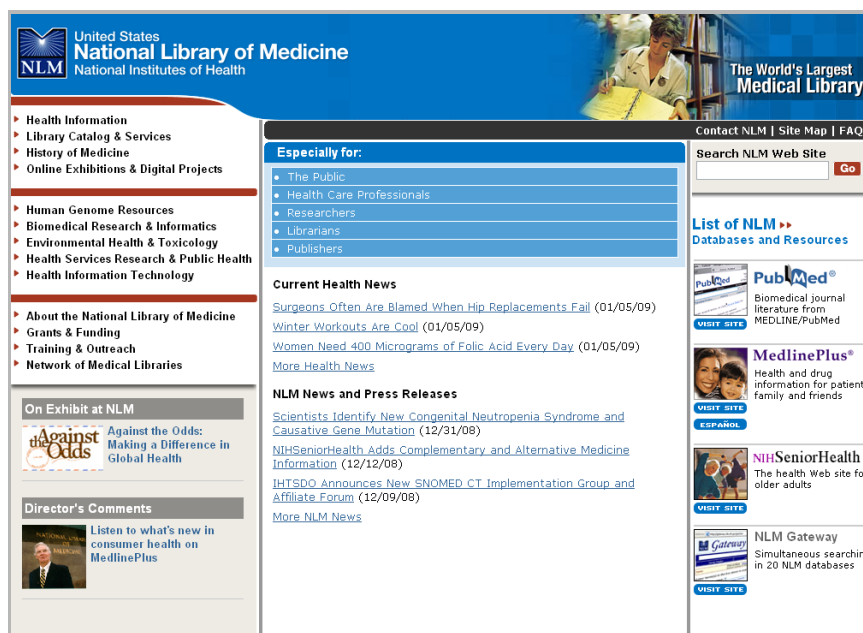
# Finding Quality Health Information on the Internet



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

## Finding Quality Health Information on the Internet

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



Link to  
List of NLM's  
Databases  
& Resources

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

## 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 card in the back of this workbook.

## **Additional Resources**

For further information, we recommend these additional resources:

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



## Savvy Health Surfing Exercises

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

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



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# AIDSinfo

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

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

Live Help | Subscribe to Listserv | Español | Site Tour

Search:  Go

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

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

**GUIDELINES**

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

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

**DRUGS**

Fact sheets on HIV/AIDS-related drugs:

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

**CLINICAL TRIALS**

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: Drug Info and resources

**MORE AIDSINFO**

More useful AIDSinfo features:

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

**Highlights**

- AIDSinfo At-a-Glance Issue 1 - January 2, 2009
- AIDSinfo At-a-Glance Issue 53 - December 19, 2008
- AIDSinfo At-a-Glance Issue 52 - December 12, 2008
- More...

**Features**

- HIV/AIDS Glossary
- At-a-Glance RSS Feed
- AIDSinfo Fact Sheets

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

Subscribe to Listserv

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

## AIDSinfo

**AIDSinfo** is a U.S. Department of Health and Human Services (DHHS) Web site that offers the latest federally approved information on HIV and AIDS clinical research, treatment and prevention, and medical practice guidelines for consumers and health care providers. A comprehensive English version (**AIDSinfo**) is also available.

The screenshot shows the AIDSinfo website interface. At the top, there is a navigation bar with links for **Live Help**, **Subscribe to Listserv**, **Español**, and **Site Tour**. Below this is a search bar and a contact number: 1-800-HIV-0440 (1-800-448-0440). The main content area is organized into six categories, each with a header and a list of links:

- GUIDELINES**: Guidelines for the treatment of HIV/AIDS, reviewed and updated by experts in the field; Treatment / Prevention; About the HIV Treatment Guidelines; Download / Order; PDA Tools.
- DRUGS**: Fact sheets on HIV/AIDS-related drugs; Search the Drug Database; FDA-Approved Drugs; Investigational Drugs.
- CLINICAL TRIALS**: 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: Drug Info and resources.
- MORE AIDSINFO**: More useful AIDSinfo features; RSS Feeds; Live Help; Order Publications; PDA Tools; HIV/AIDS Glossary.

On the right side, there is a **Highlights** section with a list of recent issues and a **Features** section with a list of available resources. At the bottom right, there is a **Subscribe to Listserv** button.

<http://aidsinfo.nih.gov>

**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

- ▶ **More AIDSinfo**—Download the *AIDSinfo HIV/AIDS Glossary and Treatment Guidelines* for Pocket PC (MS-Windows-based) and Palm PDAs

Other features include:

- ▶ **Live Help**—confidential one-on-one assistance via the Internet from health information specialists
- ▶ **Glossary**—definitions of HIV/AIDS-related terms in English and Spanish
- ▶ **Homework Help**—resources and references for learning and writing papers about HIV and AIDS for school projects
- ▶ **Publications**—print, electronic, and PDF versions of *AIDSinfo* publications

## Searching AIDSinfo

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



### AIDSinfo Drugs Database

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

### AIDSinfo Clinical Trials Database

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

## Additional Resources

For further information, we recommend these additional resources:

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



# AIDSinfo Search Exercises

## Search Example

Locate the latest guidance on HIV testing, counseling, and referral.

Suggested Solution:

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



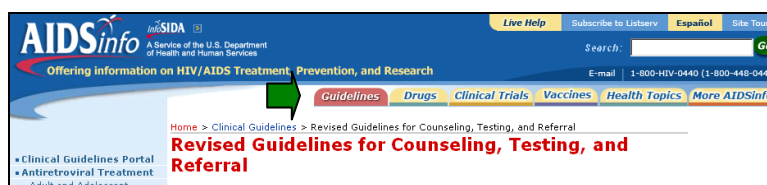
- Click Revised Guidelines for Testing, Counseling, and Referral under **Testing** in the menu bar to the left



- Click the link HTML Version (1KB) 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

### Search Exercises: Guidelines

**Exercise 1: Locate guidelines for the use of antiretroviral therapy for the treatment of HIV-positive pregnant women. Compare the current guidelines to the guidelines from 2007.**

Suggested Solution:

- |           |                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------|
| Click     | <u>Perinatal Guidelines</u> under “ <b>Maternal-Child Transmission</b> ” in the menu bar to the left |
| Click     | <u>PDF Version (5.6 MB)</u>                                                                          |
| 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 | the Perinatal Guidelines section of the page                                                         |
| Click     | the PDF link for “Friday, November 02, 2007”                                                         |
| Review    | the document and close the pop-up window                                                             |
| Click     | the <b>Guidelines</b> tab to return to the <b>Clinical Guidelines Portal</b>                         |


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

Suggested Solution:

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

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

Suggested Solution



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

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

**Search Exercises: Drugs**


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

Suggested Solution:

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

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

Suggested Solution:

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

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

Suggested Solution:

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

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

Suggested Solution:

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

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


Suggested Solution:

- |        |                                                                              |
|--------|------------------------------------------------------------------------------|
| Select | <u>Entry and Fusion Inhibitors</u> from the <b>Drug Class</b> pull-down menu |
| Click  | the <b>Search</b> button                                                     |



- |        |                                                                                                                                           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Review | the list of drugs retrieved                                                                                                               |
| Click  | the investigational drug of your choice                                                                                                   |
| Scroll | to the <b><i>Clinical Trials</i></b> section and click “ <b>here</b> ” to search ClinicalTrials.gov for trials that use the selected drug |
| Review | the clinical trial record(s) and close the ClinicalTrials.gov window                                                                      |
| Click  | the <b>Drugs</b> tab to return to the <b><i>AIDSinfo Drug Database</i></b>                                                                |

## Alternate Method:

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

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

## Suggested Solution:

- |        |                                                                      |
|--------|----------------------------------------------------------------------|
| Click  | the <b>Drugs</b> tab                                                 |
| Type   | <b>nevirapine</b> in the <b>Drug Name</b> search box                 |
| Click  | the <b>Search</b> button                                             |
| Click  | <u>Nevirapine (Viramune)</u>                                         |
| Review | the Recommended Daily Dosage section in the patient record           |
| Click  | <u>Health Professional Version</u> and review the dosing information |

**Search Exercises: Clinical Trials****Exercise 11: Find all HIV/AIDS trials in your home state.**

Suggested Solution:

- |        |                                                                             |
|--------|-----------------------------------------------------------------------------|
| Click  | the <b>Clinical Trials</b> tab at the top of the page                       |
| Select | your home state from the pull-down menu under <b>Create your own Search</b> |
| Click  | the <b>Submit</b> button at the bottom of the page                          |
| Review | a study or studies of your choice                                           |
| Click  | your browser's <b>Back</b> button to return to AIDSinfo                     |
| Click  | the <b>Clinical Trials</b> tab to return to the <b>Clinical Trials</b> page |

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

Suggested Solution:

- |        |                                                                                                   |
|--------|---------------------------------------------------------------------------------------------------|
| Type   | <b>Kidney disease</b> in the "Contain the word(s)" search box under <b>Create your Own Search</b> |
| Click  | the <b>Submit</b> button at the bottom of the page                                                |
| Review | a study or studies of your choice                                                                 |
| Click  | your browser's <b>Back</b> button to return to AIDSinfo                                           |
| Click  | the <b>Clinical Trials</b> tab to return to the <b>Clinical Trials</b> page                       |

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

Suggested Solution:

- |        |                                                                                              |
|--------|----------------------------------------------------------------------------------------------|
| Type   | <b>Pregnancy</b> in the "Contain the word(s)" search box under <b>Create your Own Search</b> |
| Click  | the <b>Submit</b> button at the bottom of the page                                           |
| Review | a study or studies of your choice                                                            |
| Click  | your browser's back button to return to AIDSinfo                                             |
| Click  | the <b>Clinical Trials</b> tab to return to the <b>Clinical Trials</b> page                  |

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

Suggested Solution:

- |        |                                                                                                      |
|--------|------------------------------------------------------------------------------------------------------|
| Select | <u>Kaposi's sarcoma</u> in the "Contains the word(s)" search box under <b>Create your own Search</b> |
| Type   | <b>Haart</b> in the "use the drug" search box                                                        |
| Click  | the <b>Submit</b> button at the bottom of the page                                                   |
| Review | a study or studies of your choice                                                                    |
| Click  | your browser's back button to return to <i>AIDSinfo</i>                                              |
| Click  | the <b>Clinical Trials</b> tab to return to the <b>Clinical Trials</b> page                          |

**Exercise 15: Browse the listing of studies investigating the use of alternative and complementary medicine.**

Suggested Solution:

- |        |                                                                                                         |
|--------|---------------------------------------------------------------------------------------------------------|
| Click  | <u>Alternative/Complementary medicine</u> to the left of the page under <b>Browse Trial by Category</b> |
| Review | a study or studies of your choice                                                                       |

This page is intentionally blank.

# 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 **66,421** trials with locations in **161** 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](#)

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



<http://clinicaltrials.gov>

## ClinicalTrials.gov

**ClinicalTrials.gov** provides regularly updated information about federally and privately supported clinical research in human volunteers, including the trial's purpose, who may participate, locations where trials are held, contact information, and whether or not the trial is currently recruiting participants. The database currently contains information on more than 66,000 trials with locations in 161 countries.



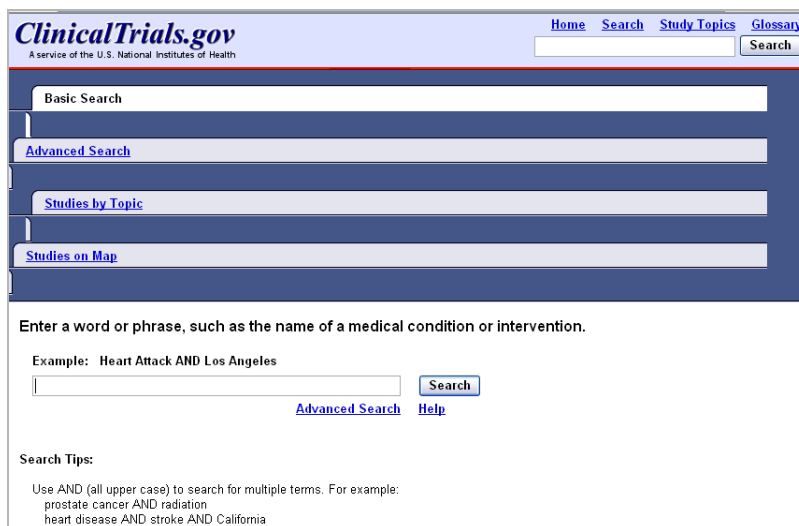
The screenshot shows the ClinicalTrials.gov homepage. At the top, there is a navigation bar with links for Home, Search, Study Topics, and Glossary. Below the navigation bar, the main content area is divided into several sections. On the left, there is a large section titled "Search for Clinical Trials" with a description of the registry and a "Read more..." link. To the right of this section, there are links for "Investigator Instructions" and "Background Information". On the far right, there is a "Resources" section with links for "Understanding Clinical Trials", "What's New", and "Glossary". Below the "Resources" section, there is a "Study Topics" section with links for "List studies by Condition", "List studies by Drug Intervention", "List studies by Sponsor", and "List studies by Location".

<http://clinicaltrials.gov>

## Searching ClinicalTrials.gov

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

Basic Search  
Screen



The screenshot shows the Basic Search screen on ClinicalTrials.gov. At the top, there is a navigation bar with links for Home, Search, Study Topics, and Glossary. Below the navigation bar, there is a search box with a "Search" button. Below the search box, there are four tabs: "Basic Search", "Advanced Search", "Studies by Topic", and "Studies on Map". The "Basic Search" tab is currently selected. Below the tabs, there is a text input field with the placeholder text "Enter a word or phrase, such as the name of a medical condition or intervention." Below the input field, there is an example: "Example: Heart Attack AND Los Angeles". Below the example, there is a "Search" button. Below the "Search" button, there are links for "Advanced Search" and "Help". At the bottom, there is a "Search Tips" section with the following text: "Use AND (all upper case) to search for multiple terms. For example: prostate cancer AND radiation heart disease AND stroke AND California".

For advanced searching, click the **Advanced Search** tab or the [Advanced Search](#) link below the search box. Advanced searching allows for more specific search criteria, such as the state or country of the trial, the study type, or the age group of the participants. Further searching within the results is possible.

## 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 Manuals and Resources (Workbook Section 6)  
[http://www.nlm.nih.gov/pubs/web\\_based.html](http://www.nlm.nih.gov/pubs/web_based.html)
- ▶ Prescription for Success: Consumer Health Information on the Internet  
<http://nnlm.gov/training/consumer/prescription>
- ▶ NLM's Consumer Health Databases  
[http://nnlm.gov/training/consumer/nlm\\_databases/chdatabases\\_clinicaltrials.doc](http://nnlm.gov/training/consumer/nlm_databases/chdatabases_clinicaltrials.doc)
- ▶ NLM Gateway and ClinicalTrials.gov  
<http://www.nlm.nih.gov/pubs/manuals/gwclintrials.pdf>
- ▶ ClinicalTrials.gov Background Information and Other Consumer Health Information  
<http://clinicaltrials.gov/ct2/info>



# ClinicalTrials.gov Search Exercises

## Search Example

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

Suggested Solution:

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



The screenshot shows the ClinicalTrials.gov homepage. At the top, there is a navigation bar with links for Home, Search, Study Topics, and Glossary. Below this is a search bar with a 'Search' button. The main content area is divided into several sections. On the left, there is a 'Search for Clinical Trials' section with a description of the registry and a link to 'Search for Clinical Trials'. Below this is an 'Investigator Instructions' section and a 'Background Information' section. On the right, there is a 'Resources' section with links to 'Understanding Clinical Trials', 'What's New', and 'Glossary'. Below this is a 'Study Topics' section with links to 'List studies by Condition', 'List studies by Drug Intervention', 'List studies by Sponsor', and 'List studies by Location'.

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



The screenshot shows the ClinicalTrials.gov search interface. At the top, there is a navigation bar with links for Home, Search, Study Topics, and Glossary. Below this is a search bar with a 'Search' button. The main content area is divided into several sections. On the left, there is a 'Basic Search' section with a search bar. Below this is an 'Advanced Search' section with a search bar. Below this is a 'Studies by Topic' section with a search bar. Below this is a 'Studies on Map' section with a search bar. At the bottom, there is a section for entering a word or phrase, such as the name of a medical condition or intervention. An example is provided: 'Heart Attack AND Los Angeles'. Below this is a search bar with the text 'nelfinavir cancer' and a 'Search' button. There are also links for 'Advanced Search' and 'Help'.

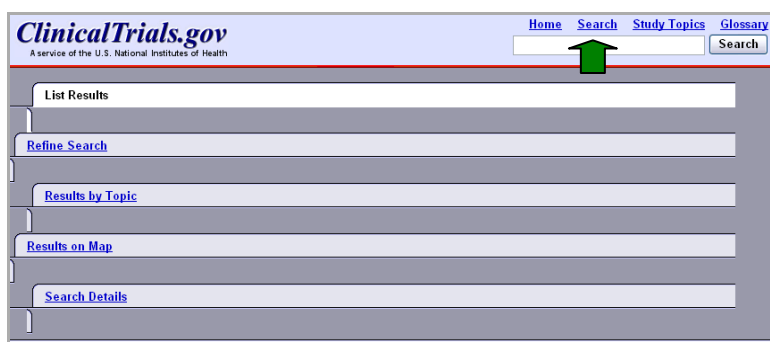
- ▶ Review record(s) of your choice

The screenshot shows the ClinicalTrials.gov search results page. At the top, there is a navigation bar with links for Home, Search, Study Topics, and Glossary. Below this is a search bar with a 'Search' button. The main content area is divided into several sections. On the left, there is a 'List Results' section with a search bar. Below this is a 'Refine Search' section with a search bar. Below this is a 'Results by Topic' section with a search bar. Below this is a 'Results on Map' section with a search bar. Below this is a 'Search Details' section with a search bar. The main content area is divided into two columns. The left column contains a list of search results. The right column contains a 'Display Options' section. The search results are listed as follows:

| Study ID | Study Title                                                                                       | Conditions                                                                                                                                                                                                                                                     | Interventions                                            |
|----------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 1        | Recruiting Nelfinavir, a Phase I/Phase II Rectal Cancer Study                                     | Colorectal Cancer; Colorectal Carcinoma; Colorectal Tumors; Neoplasms, Colorectal                                                                                                                                                                              | Drug: nelfinavir                                         |
| 2        | Recruiting Nelfinavir in Treating Patients With Metastatic, Refractory, or Recurrent Solid Tumors | Colorectal Cancer; Gastrointestinal Carcinoid Tumor; Head and Neck Cancer; Islet Cell Tumor; Lung Cancer; Metastatic Cancer; Neuroendocrine Carcinoma of the Skin; Ovarian Cancer; Pheochromocytoma; Sarcoma; Unspecified Adult Solid Tumor, Protocol Specific | Drug: midazolam hydrochloride; Drug: nelfinavir mesylate |



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



## Search Exercises

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

Suggested Solution:

- |       |                                                                       |
|-------|-----------------------------------------------------------------------|
| Click | <b><u>Search for Clinical Trials</u></b>                              |
| Click | the <b>Advanced Search</b> tab                                        |
| Type  | <b>Hispanics</b> in the <u>Search Terms</u> box                       |
| Type  | <b>diabetes</b> in the <u>Conditions</u> box                          |
| Click | the <b>Search</b> button and review record(s) of your choice          |
| Click | <b><u>Search</u></b> in the header bar to prepare for the next search |

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

Suggested Solution:

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

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

Suggested Solution:

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


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

Suggested Solution:

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

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

Suggested Solution:

- Click the **Advanced Search** tab
- Type **women** in the Search Terms box
- Type **breast cancer** in the Conditions box
- Select Puerto Rico from the Country pull-down menu
- Click the box beside "Phase III" to the right of "Phase:" under **Additional Criteria** at the bottom of the page
-  Note: click "**Phase:**" for Study Phase definition
- Click the **Search** button and review record(s) of your choice
- Click **Search** in the header bar to prepare for the next search

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

Suggested Solution:

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

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

Suggested Solution:

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

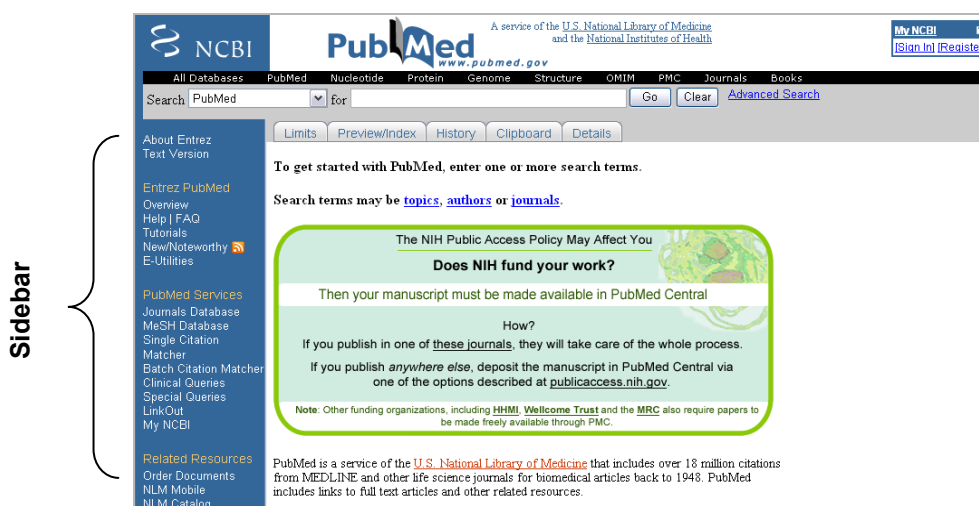
# MEDLINE/PubMed



<http://pubmed.gov>

## MEDLINE/PubMed

**PubMed** is a [National Library of Medicine](#) service that provides free access to **MEDLINE**, NLM's database of citations and abstracts in the fields of medicine, nursing, dentistry, veterinary medicine, health care systems, and preclinical sciences. Citations and abstracts are currently derived from approximately 5,200 biomedical journals published in the United States and worldwide. Coverage extends back to 1950.



<http://pubmed.gov>

The PubMed sidebar (see above) contains links to PubMed features, including tutorials and help resources; **PubMed Services** for additional search options and My NCBI; and **Related Resources**, information on ordering documents, links to other NLM databases, and PubMedCentral, a free digital archive of biomedical and life sciences journal literature.

### Searching PubMed

Enter your search term(s) into the search box and click the **Go** 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 **Special Queries**

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

The screenshot shows the PubMed website interface. At the top, there's a navigation bar with 'All Databases' and various database categories like PubMed, Nucleotide, Protein, Genome, Structure, OMIM, PMC, Journals, and Books. Below this is a search bar with 'PubMed' entered and a 'Go' button. To the right of the search bar is a 'Limits' tab, which is highlighted. A green arrow points to the 'Advanced Search (Beta)' link. Below the search bar, there's a section titled 'Limit your search by any of the following criteria.' with several filter sections: 'Search by Author', 'Search by Journal', 'Full Text, Free Full Text, and Abstracts' (with checkboxes for 'Links to full text', 'Links to free full text', and 'Abstracts'), 'Dates' (with dropdowns for 'Published in the Last' and 'Added to PubMed in the Last'), 'Humans or Animals' (with checkboxes for 'Humans' and 'Animals'), 'Gender' (with checkboxes for 'Male' and 'Female'), 'Languages' (with checkboxes for English, French, German, Italian, Japanese, Russian, and Spanish), and 'Subsets' (with checkboxes for 'Journal Groups' like 'Core clinical journals', 'Dental journals', 'Nursing journals' and 'Topics' like 'AIDS', 'Biophysics').

## Search Results

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

- ▶ Links to related articles for all citations—click the blue Related Articles link to the right of the citation
- ▶ Links to free full-text journal articles at Web sites of participating publishers—click the green icon (📄) to the left of the citation
- ▶ Links to free full-text articles on PubMed Central—click the orange and green icon (📄) to the left of the citation
- ▶ Links to other NLM resources for additional information—click the down arrow to the right of the Display field to select a resource

To display the abstract for a journal article, click the author link or the yellow icon (📄) to the left of the citation. Some citations do not have abstracts and will include the note “No abstract available.”

## My NCBI

My NCBI is an easy way to STORE 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. To use this feature, you must first register and your browser must accept cookies. Click [My NCBI](#) in the left sidebar under **PubMed Services**.

## Ordering Documents

Loansome Doc is an automated document ordering program that allows you to order the full text of an article from a Loansome Doc participating library. To access this feature, click [Order Documents](#) in the left sidebar under **Related Resources**. Users must register to use this service.

## Additional Resources

For further information, we recommend these additional resources:

- ▶ NCBI Beta Version of Advanced Search Available (NLM Technical Bulletin)  
[http://www.nlm.nih.gov/pubs/techbull/mj08/mj08\\_advanced\\_search.html](http://www.nlm.nih.gov/pubs/techbull/mj08/mj08_advanced_search.html)
- ▶ PubMed Help (an online Help book)  
<http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=helppubmed.chapter.pubmedhelp>
- ▶ PubMed Quick Tour: Simple Subject Search  
<http://www.nlm.nih.gov/bsd/viewlet/search/subject/subject.html>
- ▶ PubMed Quick Tour: Search for an Author  
<http://www.nlm.nih.gov/bsd/viewlet/search/author/author.html>
- ▶ CAM (Complementary and Alternative Medicine) on PubMed  
<http://nnlm.gov/training/consumer/cam/cam-pubmed.pdf>
- ▶ Getting Started with LinkOut (National Network of Libraries of Medicine)  
<http://nnlm.gov/training/linkout/>



## MEDLINE/PubMed Search Exercises

### Search Example

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

Suggested Solution:

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



- ▶ Click the checkbox for the AIDS topic in the **Subsets** limits box
- ▶ Click the **Go** button to the right of the search box or at the bottom of the page


- ▶ Review the citation(s) retrieved



## Search Exercises


**Exercise 1: Locate articles that discuss the use of *Entecavir* in the treatment of people coinfecting with HIV and Hepatitis B.**

Suggested Solution:

|        |                                                                                                                                                                                                      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type   | <b>entecavir coinfecting hepatitis b</b> in the search box                                                                                                                                           |
| Click  | the <b>Limits</b> tab                                                                                                                                                                                |
| Click  | the checkbox for the AIDS topic in the Subsets limit box                                                                                                                                             |
| Click  | the <b>Go</b> button                                                                                                                                                                                 |
| Review | the citation(s) retrieved                                                                                                                                                                            |
|        |  When you no longer want to search within the AIDS subset, you must deselect the checkbox on the <b>Limits</b> tab. |

**Exercise 2: Locate articles that discuss HIV/AIDS drug treatments that adversely react with St. John's Wort. Review related articles.**

Suggested Solution:

|        |                                                                                                                                                                                                                                        |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type   | <b>st john's wort drug interactions</b> in the search box                                                                                                                                                                              |
|        |  Note that the AIDS subset limit is still checked and the Limits tab still contains a checkmark. You are still searching the AIDS subset of PubMed. |
| Click  | the <b>Go</b> button                                                                                                                                                                                                                   |
| Review | the citation(s) and related articles                                                                                                                                                                                                   |

**Exercise 3: Find articles that discuss pain management in patients with HIV infection who have a history of substance abuse. Sort by publication date.**

Suggested Solution:

|        |                                                          |
|--------|----------------------------------------------------------|
| Type   | <b>pain management substance abuse</b> in the search box |
| Click  | the <b>Go</b> button                                     |
| Select | <u>Pub Date</u> from the <b>Sort By</b> pull-down menu   |
| Review | the citation(s)                                          |


**Exercise 4: Locate articles that discuss taking *Zidovudine* for the prevention of mother-to-child HIV transmission. Limit retrieval to articles written in Spanish and published in the past five years.**

Suggested Solution:

|        |                                                                     |
|--------|---------------------------------------------------------------------|
| Type   | <b>zidovudine mother child transmission</b> in the search box       |
| Click  | the <b>Limits</b> tab                                               |
| Select | <u>5 years</u> from the <b>Published in the Last</b> pull-down menu |
| Select | <u>Spanish</u> in the <b>Languages</b> box                          |
| Click  | the <b>Go</b> button                                                |
| Review | the citation(s)                                                     |
| Click  | the publisher's link to view the article in Spanish                 |

**Exercise 5: 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:

|          |                                                                                                                                                                                                             |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type     | <b>cytomegalovirus retinitis foscarnet ganciclovir</b> in the search box                                                                                                                                    |
| Click    | the <b>Limits</b> tab                                                                                                                                                                                       |
|          |  Note that all the limits previously selected remain selected. You must deselect limits you do not want for this search. |
| Deselect | <u>English</u> in the <b>Languages</b> box                                                                                                                                                                  |
| Deselect | <u>5 years</u> from the <b>Published in the Last</b> pull-down menu                                                                                                                                         |
| Select   | <u>All Child: 0-18 years</u> in the <b>Ages</b> box                                                                                                                                                         |
| Click    | the <b>Go</b> button                                                                                                                                                                                        |
| Review   | the citation(s)                                                                                                                                                                                             |

**Exercise 6: Locate an article written by Varas Diaz N titled "AIDS-related stigma and social interaction: Puerto Ricans living with HIV/AIDS."**

Suggested Solution:

|       |                                                                  |
|-------|------------------------------------------------------------------|
| Type  | <b>stigma</b> in the search box                                  |
| Click | the <b>Limits</b> tab                                            |
| Click | the <b>Add Author</b> button to the right of "Search by Author:" |

|          |                                                                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type     | <b>varas diaz n</b> in the <b>Author Name</b> search box                                                                                                                                                  |
|          |  Note that all the limits previously selected remain selected. You must deselect limits you do not want for this search. |
| Deselect | <u>All Child: 0-18 years</u> in the <b>Ages</b> box                                                                                                                                                       |
| Click    | the <b>Go</b> button                                                                                                                                                                                      |
| Review   | the citation(s)                                                                                                                                                                                           |
|          |  Note: You do not need to deselect Limits after an author search.                                                        |

**Exercise 7: 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:

|        |                                                                                               |
|--------|-----------------------------------------------------------------------------------------------|
| Type   | <b>cultural competency</b> in the search box                                                  |
| Click  | the <b>Go</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</u> from the “Format” pull-down menu and <u>Text</u> from the “as” pull-down menu |
| Type   | your e-mail address in the e-mail box                                                         |
| Click  | the <b>Mail</b> button                                                                        |
| Review | the e-mail confirmation message highlighted in pink above the abstract                        |

**Exercise 8: Using PubMed Central, locate free full-text articles that discuss improved adherence to HAART.**

Suggested Solution:

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



Alternate Method:

|       |                                                                     |
|-------|---------------------------------------------------------------------|
| Click | <u>PubMed Central</u> in the left sidebar under “Related Resources” |
| Type  | <b>improved adherence haart</b> in the search box                   |
| Click | the <b>Go</b> button                                                |

|        |                                                                                               |
|--------|-----------------------------------------------------------------------------------------------|
| Review | the citation(s)                                                                               |
| Click  | <u>PubMed</u> in the list of databases above the search box to return to the PubMed home page |

**Exercise 9: Set up a My NCBI user account and conduct a search for journal articles discussing structured antiretroviral therapy interruption. Go back to My NCBI and set up a filter for free full-text articles. Then return to your search and view the free full-text articles.**

Suggested Solution:

|        |                                                                                                                                                                                                                                                                        |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Click  | <u>My NCBI</u> in the left sidebar under “PubMed Services”                                                                                                                                                                                                             |
| Click  | <u>register for an account</u> under “ <b>My NCBI: Sign In:</b> ”                                                                                                                                                                                                      |
| Follow | the directions for setting up a username and password                                                                                                                                                                                                                  |
|        |  Clicking the “Keep me signed in unless I sign out” checkbox will create a permanent cookie so that My NCBI will be indefinitely available on your computer without signing in again. |
| Type   | <b>structured antiretroviral therapy interruption</b> in the search box                                                                                                                                                                                                |
| Click  | the <b>Go</b> button                                                                                                                                                                                                                                                   |
| Click  | <u>Save Search</u> at the top of the screen to the right of the search box                                                                                                                                                                                             |
| Click  | the <b>OK</b> button in the pop-up window                                                                                                                                                                                                                              |
| Click  | <u>My NCBI</u> under <b>PubMed Services</b>                                                                                                                                                                                                                            |
|        |  Your search (structured antiretroviral therapy interruption) will be listed.                                                                                                       |
| Click  | <u>Filters</u> in the left sidebar                                                                                                                                                                                                                                     |
| Click  | <u>PubMed</u> in the list of databases that appears                                                                                                                                                                                                                    |
| Click  | the <b>Free Full Text</b> checkbox                                                                                                                                                                                                                                     |
| Click  | <u>Searches/Collections</u> in the left sidebar                                                                                                                                                                                                                        |
| Click  | <b>Structured antiretroviral therapy interruption</b> under PubMed Searches                                                                                                                                                                                            |
| Click  | the <b>Free full text</b> tab                                                                                                                                                                                                                                          |
| Review | the citation(s)                                                                                                                                                                                                                                                        |

## Saving and Printing Records in PubMed

The PubMed **Send to Text** function creates a text file of PubMed records, which you can save on your computer. The **Send to** button is available on screens with search results. You can save the entire results of a specific search or selected records. If you don't select specific records before clicking the **Send to** button, you will create a file on your computer that will contain the entire search results, up to a maximum of 10,000 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 to specify where this file should be placed on your computer and give you the opportunity to rename the file.

### Saving Entire Search Results

- ▶ Use the **Display** pull-down menu to select a format.
- ▶ Click **Send to File** and your items will be saved in the **Display** format as plain text.
- ▶ The default for the **File** feature is to save the entire retrieval, up to 10,000 items, unless you specifically select citations. For example, if you use the **Send to File** selection on a screen displaying 1-20 items of 2,356, your saved file will contain all 2,356 citations.

### Saving Selected Citations from a Single Search





- ▶ Use the **Display** pull-down menu to select a format.
- ▶ Click in the check boxes 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** and your selected items will be saved in the **Display** format as plain text.



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 use the Show function and **Send to Text** to adjust your display as needed.

### Clipboard


To place an item in the Clipboard, click the check box to the left of the citation, select **Clipboard** from the **Send to** pull-down menu, and then click the **Send to** button. Once you have added a citation to the Clipboard, the record number color will change to green.

-  If you select Clipboard from the **Send to** menu without selecting citations using the check box, PubMed will add all (up to 500 citations) of your search results to the Clipboard. The Clipboard will be lost after one hour of inactivity on PubMed or any of the other Entrez databases.
-  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, which 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 [1a]
-  This does not affect or replace the Clipboard contents.

## E-mail


To e-mail your results, click specific citations and select E-mail from the **Send to** pull-down menu. You may e-mail up to 500 items. You may select the format, the sorting method, and HTML or text. In addition, you may enter a message that will be included with the PubMed search results in the e-mail message. The e-mail page reflects settings from the results page and can be modified.

After clicking the **Mail** button, the system returns you to your results page and displays a message confirming that the e-mail message was sent. Your PubMed results will be sent from the NCBI automatic mail server, Sent by Entrez [nobody@ncbi.nlm.nih.gov] with the Subject, "PubMed Search Results". Do not reply to this message. This is not a functioning customer service e-mail address.

-  If you choose HTML, your PubMed e-mail message displays as a PubMed results page and includes hyperlinks to Related Articles, LinkOut, and other PubMed features. The recipient's e-mail program must be set for HTML view in order to properly view in HTML format.

## Order

The **Order** function allows you to order the full-text copy of an article from a library in your area using the Order Documents feature of PubMed.

-  Prior to using this program, 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 Documents from the PubMed sidebar menu, then Loansome Doc under **Loansome Doc Options**, then Sign up! from the Loansome Doc screen.



Once you have registered with Loansome Doc, 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** menu, and click the **Send to** button. You may also use the Clipboard to collect items from multiple searches before ordering.



For some journals the full-text of 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. You may also choose LinkOut from the Links pull-down menu to the right of each citation. 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 the full-text of articles in some journals.

## Importing Citations into a Reference Manager Program

To import search results into a reference manager program, change the **Display** format to MEDLINE, select File from the **Send to** pull-down menu, then click **Send to**. This format includes the field tags needed for these programs.

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

## Print

Use the print function of your Web browser to print all the information and citations displayed on your Web page. Before printing, consider using the Show (number of pages) Feature to increase the number of documents per page so that the total number of documents is displayed on one page (maximum: 500 per page). You can print only the citations from the displayed page.



You may also wish to display your citations as "Text" to strip the sidebar menu and toolbars prior to printing your results.



You may want to print selected items from one or more searches on a single page. You can do this by collecting them in PubMed's Clipboard.

## MEDLINE and MedlinePlus: What is the Difference?

**MEDLINE** is the National Library of Medicine's (NLM) premier bibliographic database. This Web-based research tool covers the fields of medicine, nursing, dentistry, veterinary medicine, the health care system, and the preclinical sciences. It contains more than 17 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 750 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> </ul> |



# MedlinePlus

The screenshot shows the MedlinePlus website interface in Spanish. The header features the MedlinePlus logo with the tagline 'Trusted Health Information for You' and identifies it as a service of the U.S. National Library of Medicine and the National Institutes of Health. A search bar is prominently displayed. The main content area is organized into several columns. The left column lists various resources such as Health Topics, Drugs & Supplements, Medical Encyclopedia, Dictionary, News, Directories, Go Local, Other Resources, and Multiple Languages. The middle column highlights 'Current Health News' with links to articles about folic acid, winter workouts, and hip replacements, and a 'Featured Site' section about controlling weight. The right column includes 'Interactive Tutorials', 'ClinicalTrials.gov', 'NIH Senior Health', and 'Surgery Videos'. A footer section contains links for 'What's New', 'Director's Comments', 'NIH MedlinePlus Magazine', and 'E-mail Updates and RSS'. The bottom of the page includes a row of links for Disclaimers, Copyright, Privacy, Accessibility, and Quality Guidelines.

**MedlinePlus®**  
Trusted Health Information for You

A service of the U.S. NATIONAL LIBRARY OF MEDICINE  
and the NATIONAL INSTITUTES OF HEALTH

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**español**

**Health Topics**  
Start here with 750 topics on conditions, diseases and wellness

**Drugs & Supplements**  
About your prescription and over-the-counter medicines, herbs and supplements

**Medical Encyclopedia**  
Includes pictures and diagrams

**Dictionary**  
Spellings and definitions of medical words

**News**  
Current health news and press announcements

**Directories**  
Find doctors, dentists and hospitals

**Go Local**  
A service for finding local resources for health-related issues


**Other Resources**  
Local health services, libraries, organizations, international sites and more

**Multiple Languages**  
Health information in over 40 languages

**Current Health News**

- ▶ [Women Need 400 Micrograms of Folic Acid Every Day](#)
- ▶ [Winter Workouts Are Cool](#)
- ▶ [Surgeons Often Are Blamed When Hip Replacements Fail](#)
- ▶ [More news](#)

**Featured Site**

 **Fight those holiday pounds! Learn about controlling your weight**

**In the Spotlight**

January is Thyroid Awareness Month. Learn more:

- ▶ [Thyroid Diseases](#) health topic
- ▶ [Latest news](#) about thyroid diseases
- ▶ [Thyroid Surgery](#) interactive tutorial


**Interactive Tutorials**  
Over 165 slideshows with sound and pictures


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Studies for new drugs and treatments


**NIH Senior Health**  
Health information for older adults

**Surgery Videos**  
Videos of surgical procedures

**NEW** [What's New](#)

 [Director's Comments](#)

 [NIH MedlinePlus Magazine](#)

 [E-mail Updates and RSS](#)

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<http://medlineplus.gov/spanish/>

## MedlinePlus

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

The screenshot shows the MedlinePlus website interface. On the left, a vertical bracket labeled "MedlinePlus Resources" points to the left-hand navigation menu. On the right, two green arrows point to specific sections: "Interactive Tutorials" points to the "Interactive Tutorials" section, and "Subscribe to MedlinePlus Magazine" points to the "What's New" section which includes links to "Director's Comments", "NIH MedlinePlus Magazine", and "Email Updates and RSS".

**MedlinePlus Resources**

- Health Topics**  
Start here with 750 topics on conditions, diseases and wellness
- Drugs & Supplements**  
About your prescription and over-the-counter medicines, herbs and supplements
- Medical Encyclopedia**  
Includes pictures and diagrams
- Dictionary**  
Spellings and definitions of medical words
- News**  
Current health news and press announcements
- Directories**  
Find doctors, dentists and hospitals
- Go Local**  
A service for finding local resources for health-related issues
- Other Resources**  
Local health services, libraries, organizations, international sites and more
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Health information for older adults

**Surgery Videos**  
Videos of surgical procedures

**What's New**

- [Director's Comments](#)
- [NIH MedlinePlus Magazine](#)
- [Email Updates and RSS](#)

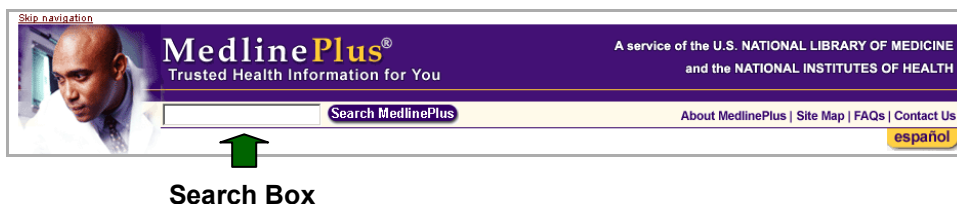
<http://medlineplus.gov>

Features offered by MedlinePlus include:

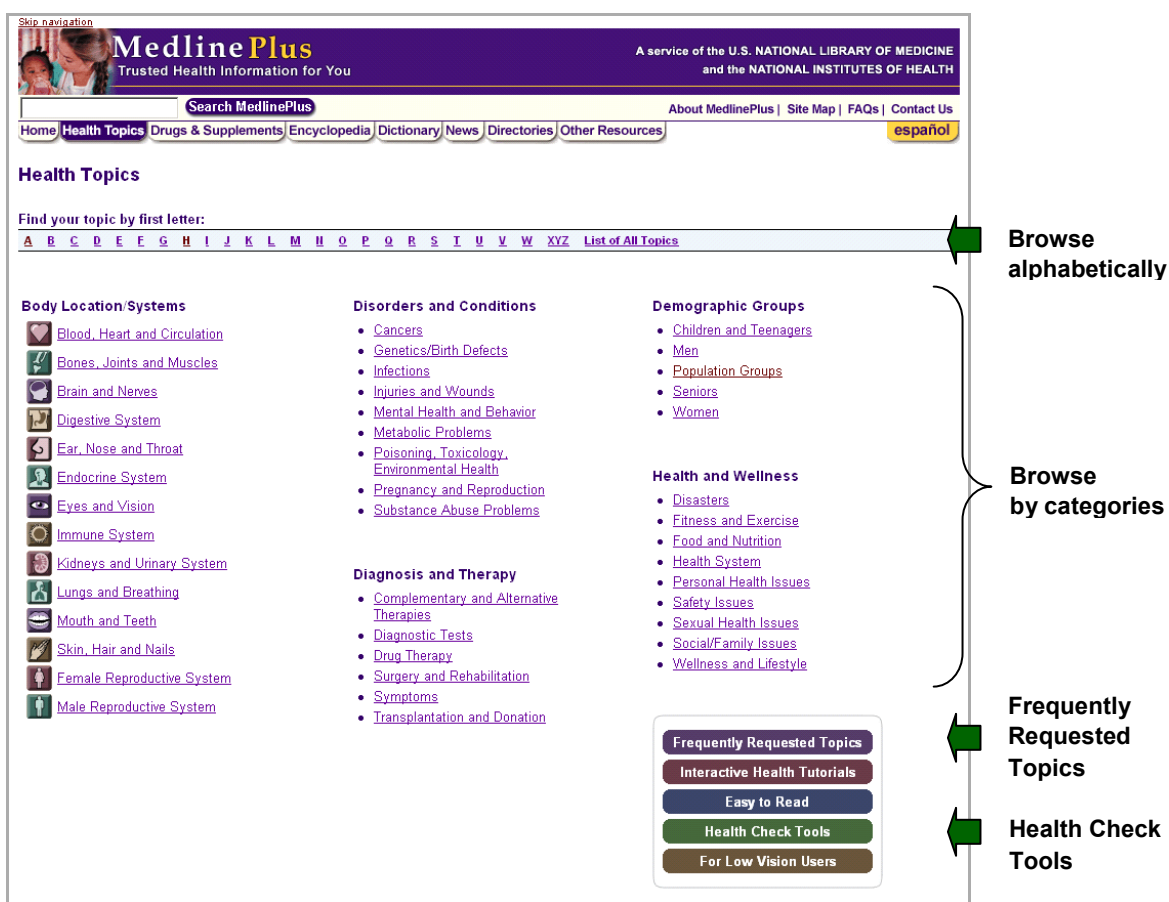
- ▶ Easy-to-read language
- ▶ Easy-to-navigate pages
- ▶ Updated daily
- ▶ No advertising or endorsements
- ▶ Spanish version: <http://medlineplus.gov/spanish>
- ▶ Multiple Language health topics

## Searching MedlinePlus

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



## Browsing MedlinePlus



## MedlinePlus Health Check Tools

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

## Additional Links on the Home Page



### Director's Comments

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



### NIH MedlinePlus Magazine

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



### E-mail Updates and RSS

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

Service of the U.S. NATIONAL LIBRARY OF MEDICINE and the NATIONAL INSTITUTES OF HEALTH

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**Interactive Tutorials**  
Over 165 slideshows with sound and pictures

**ClinicalTrials.gov**  
Studies for new drugs and treatments

**NIH SeniorHealth**  
Health information for older adults

**Surgery Videos**  
Videos of surgical procedures

**NEW** [What's New](#)

[Director's Comments](#)

[NIH MedlinePlus Magazine](#)

[E-mail Updates and RSS](#)

## Additional Resources

For further information, we recommend these additional resources:

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



# MedlinePlus Search Exercises

## Search Example

Review the MedlinePlus AIDS page and locate general information about HIV and AIDS.

Suggested Solution:

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



- ▶ Click **A**



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



- ▶ Click **Overviews** under **Basics**



- Click HIV/AIDS Fact Sheets  
(Centers for Disease Control and Prevention)

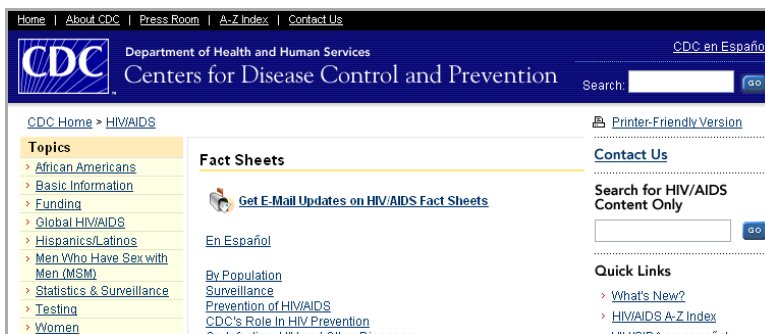
#### Overviews

- [AIDS/HIV NIH](#) (National Institute of Child Health and Human Development)
- [HIV/AIDS Fact Sheets](#) (Centers for Disease Control and Prevention)
- [Questions and Answers on HIV and AIDS](#) (Centers for Disease Control and Prevention)

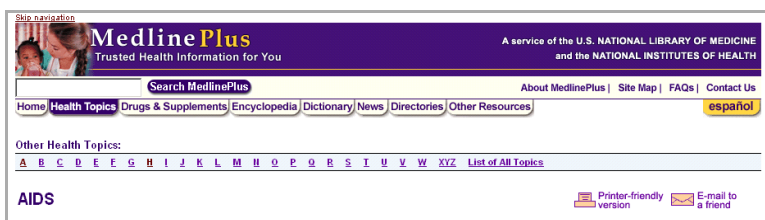
#### Latest News

- [Number of New U.S. HIV Infections Gets Revised Upwards](#) (08/03/2008, HealthDay)
- [New HIV/AIDS Guidelines Support Earlier Treatment](#) (08/03/2008, HealthDay)

- Review the Information and close the CDC window




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



## Search Exercises

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

Suggested Solution:

- |        |                                                                                                                                                                                                                                  |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type   | <b>diabetes complications</b> in the search box                                                                                                                                                                                  |
| Click  | the <b>Search MedlinePlus</b> button                                                                                                                                                                                             |
| Click  | a topic of interest to you                                                                                                                                                                                                       |
| Review | the information retrieved and return to the MedlinePlus results page                                                                                                                                                             |
|        |  If the link opened a pop-up window, close it. If you clicked the link for the Interactive Tutorial, click your browser's <b>Back</b> button. |

### Exercise 2: Using the Health Topics search feature, locate information on factors to consider before using an alternative medicine therapy.

Suggested Solution:

- |       |                              |
|-------|------------------------------|
| Click | the <b>Health Topics</b> tab |
| Click | <b>A</b>                     |

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

**Exercise 3: Find health information for diverse population groups.**

Suggested Solution:

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

**Exercise 4: I read that *Buprenorphine* is showing promise as an effective drug addiction treatment for HIV-positive patients. What is *Buprenorphine* and why is it used for drug addiction treatment?**


Suggested Solution:

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

**Exercise 5: According to a recent survey conducted by researchers in Cleveland, Ohio, people living with HIV/AIDS commonly use the following herbs: Echinacea, Ginseng, Ginko, St. Johns Wort, Goldenseal, and Yohimbe. Can these supplements interfere with prescribed medications? What is the scientific evidence for use of these drugs?**

Suggested Solution:

- |       |                                             |
|-------|---------------------------------------------|
| Click | the <b>Drugs &amp; Supplements</b> tab      |
| Click | <b>E</b> under <b>Herbs and Supplements</b> |

- |                                                                                   |                                                                                             |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Click                                                                             | <u>Echinacea</u> in the alphabetical list                                                   |
| Click                                                                             | <u>Interactions</u> under <b>Contents of this page</b> and review the information retrieved |
| Click                                                                             | <u>Evidence</u> under <b>Contents of this page</b> and review the information retrieved     |
|  | Repeat these steps for: Ginseng, Ginko, St. Johns Wort, Goldenrod, and Yohimbe              |

**Exercise 6: Find the MedlinePlus Hepatitis C page and view the interactive tutorial.**

Suggested Solution:

- |       |                                                                     |
|-------|---------------------------------------------------------------------|
| Click | the <b>Health Topics</b> tab                                        |
| Click | <b><u>H</u></b>                                                     |
| Click | <u>Hepatitis C</u> from the alphabetical list                       |
| Click | <u>Hepatitis C Interactive Tutorial</u> under <b>Start Here</b>     |
| Click | the <b><u>Start Tutorial</u></b> button and follow the instructions |
| Close | the tutorial window and return to the Hepatitis C health topic page |

**Exercise 7: Using the Medical Encyclopedia, locate an illustration depicting Kaposi's sarcoma.**

Suggested Solution:

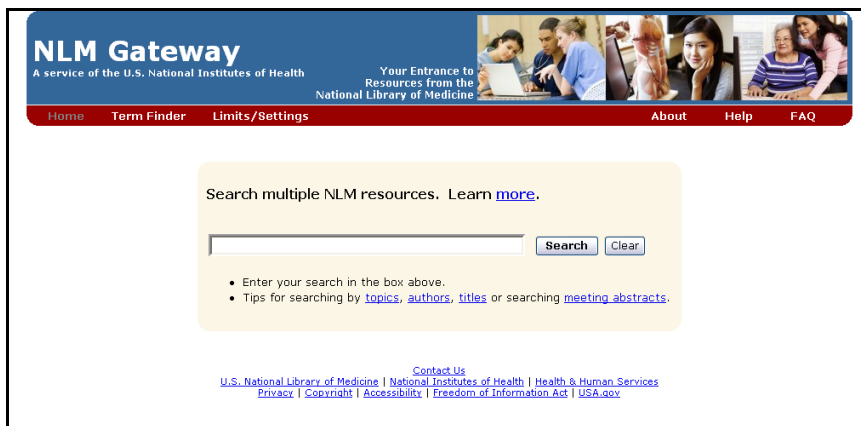
- |        |                                                       |
|--------|-------------------------------------------------------|
| Click  | the <b>Encyclopedia</b> tab                           |
| Click  | <b><u>K</u></b>                                       |
| Click  | <u>Kaposi's sarcoma</u> from the alphabetical list    |
| Click  | the graphic of your choice under <b>Illustrations</b> |
| Review | the information retrieved                             |

**Exercise 8: Locate health information on a topic of your choice.**



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# The NLM Gateway



The screenshot shows the NLM Gateway website. 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 several people working together. Below the header 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, including "Enter your search in the box above." and "Tips for searching by [topics](#), [authors](#), [titles](#) or searching [meeting abstracts](#)." At the bottom of the page, there is a footer with links: "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](#).

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

## The 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.

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

## Searching NLM Gateway

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

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

The list of collections that Gateway searches is arranged in three categories. Each collection name is linked to its home Web site.

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

## Search Results

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

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 a "Search" button. Below the search bar, the results summary states "Results Summary: 163766 records found" and includes a link "[ Bookmark this Search ]". The results are organized into three columns: Bibliographic Resources, Consumer Health Resources, and Other Information Resources. Each column lists various databases and the number of records found for each.

| Bibliographic Resources                              | Consumer Health Resources             | Other Information Resources                     |
|------------------------------------------------------|---------------------------------------|-------------------------------------------------|
| 85030 MEDLINE/PubMed - journal citations, abstracts  | 32 MedlinePlus - Health Topics        | 192 HSRProj - Health Services Research Projects |
| 6939 NLM Catalog - books, AVs, serials               | 96 MedlinePlus - Drug Information     | 47 OMIM - Online Mendelian Inheritance in Man   |
| 1889 Bookshelf - full text biomedical books          | 45 MedlinePlus - Medical Encyclopedia | 51 HSDB - Hazardous Substances Data Bank        |
| 5133 TOXLINE Subset - toxicology citations           | 28 MedlinePlus - Current Health News  | 0 IRIS - Integrated Risk Information System     |
| 143 DART - Developmental and Reproductive Toxicology | 48 MedlinePlus - Other Resources      |                                                 |
|                                                      | 3639 ClinicalTrials.gov               |                                                 |
|                                                      | 364 DIRLINE - Directory of Health     |                                                 |

## My Locker

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

## Additional Resources

For further information, we recommend these additional resources:

- ▶ NLM Gateway Brochure  
<http://nmlm.gov/training/resources/gwtri.pdf>
- ▶ NLM Gateway Training Manual  
<http://www.nlm.nih.gov/pubs/manuals/gwclintrials.doc>



## NLM Gateway Search Exercises

### Search Example

Locate information on HIV/AIDS treatment. Then review the Health Services Research Projects (HSRProj) information.

Suggested Solution:

- ▶ Go to <http://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 FAQ

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

hiv aids treatment

• Enter your search in the box above.  
• Try for results by name, subject, date, or

- ▶ Results will be displayed in three categories:
  - Bibliographic Resources
  - Consumer Health Resources
  - Other Information Resources
- ▶ Note the number of records in each resource to the left of the resource name
- ▶ Click **HSRProj - Health Services Research Projects** under **Other Information Resources**

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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

hiv aids treatment

Results Summary: 76455 records found [Bookmark this Search]

| Bibliographic Resources                             | Consumer Health Resources                      | Other Information Resources                                   |
|-----------------------------------------------------|------------------------------------------------|---------------------------------------------------------------|
| 47902 MEDLINE/PubMed - journal citations, abstracts | 21 MedlinePlus - Health Topics                 | 124 HSRProj - Health Services Research Projects               |
| 2753 NLM Catalog - books, AVs, serials              | 67 MedlinePlus - Drug Information              | 18 OMIM - Online Mendelian Inheritance in Man                 |
| 990 Bookshelf - full text biomedical books          | 36 MedlinePlus - Medical Encyclopedia          | 51 HSDB - Hazardous Substances Data Bank                      |
| 1965 TOXLINE Subset - toxicology citations          | 17 MedlinePlus - Current Health News           | 0 IRIS - Integrated Risk Information System                   |
| 53 DART - Developmental and Reproductive Toxicology | 25 MedlinePlus - Other Resources               | 0 ITER - International Toxicity Estimates for Risk            |
| 19259 Meeting Abstracts                             | 3072 ClinicalTrials.gov                        | 0 GENE-TOX - Genetic Toxicology (Mutagenicity)                |
|                                                     | 96 DIRLINE - Directory of Health Organizations | 0 CERIS - Chemical Carcinogenesis Research Information System |
|                                                     | 1 Genetics Home Reference                      | 5 Profiles in Science                                         |
|                                                     | 0 Household Products Database                  |                                                               |

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

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

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

hiv aids treatment

HSRProj Results (Items 1-20 of 124)

◀ Prev Page 1 of 7 Next ▶ E-mail | Download | Put in locker

Clear check marks

- ☐ HIV Research Network: Collecting and analyzing data on health services utilization by people living with HIV in treatment at approximately 20 care sites around the country.  
Conviser, Richard.
- ☐ Discrimination, health care attitudes and HIV treatment  
Bogart, Laura M.
- ☐ Religious organizations and HIV/AIDS prevention and care  
Agadjanian, Victor.
- ☐ Preventing HIV/AIDS in treatment-resistant drug-abusing youth  
Hops, Hyman.
- ☐ Urban congregations' capacity for HIV prevention and care  
Derose, Kathryn Pitkin.
- ☐ Optimizing HIV care in less developed countries  
Freedberg, Kenneth A.

Results

Bibliographic

PubMed (47902)

NLM Catalog (2753)

Bookshelf (990)

TOXLINE Subset (1965)

DART (53)

Meeting Abstracts (19259)

Consumer Health

MedlinePlus ...

Health Topics (21)

Drug Info (67)

Med Encyclopedia (36)

Health News (17)

Other Resources (25)

ClinicalTrials.gov (3072)

DIRLINE (96)

Genetics Home Ref (1)

Household Prods (0)

## 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  | the <b>Limits/Setting</b> button                                                                 |
| Select | <u>AIDS</u> from the subset pull-down menu and click “ <b>Apply</b> ”                            |
| Click  | the <b>Search</b> button                                                                         |
| Click  | <u><b>MEDLINE/PubMed – journal citations, abstracts</b></u> under <b>Bibliographic Resources</b> |
| Review | citation(s) of your choice                                                                       |
| Click  | the <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                                                                         |

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

Suggested Solution:

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

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

Suggested Solution:

|        |                                                                  |
|--------|------------------------------------------------------------------|
| Click  | the <b>My Locker</b> button at the top of the page               |
| Click  | <u>Create one now</u> under “Sign-in”                            |
| Follow | the on-screen directions for setting up a user name and password |

- |       |                                                                         |
|-------|-------------------------------------------------------------------------|
| Type  | <b>structured antiretroviral therapy interruption</b> in the search box |
| Click | the <b>Search</b> button                                                |
| Click | <u>Meeting Abstracts</u> under <b>Bibliographic Resources</b>           |
| Click | box next to the record of your choice                                   |
| Click | <b><u>Put in locker</u></b> at the top of the page                      |

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

This page is intentionally blank.



# DIRLINE

Directory of Health Organizations  
SIS Specialized Information Services

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

[SIS Home >](#)

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.)  
☐ 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

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

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

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

## DIRLINE

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

**Health Hotlines:**  
Search or print  
toll-free numbers  
for over 300  
organizations

**A-Z List of Health  
Organizations**

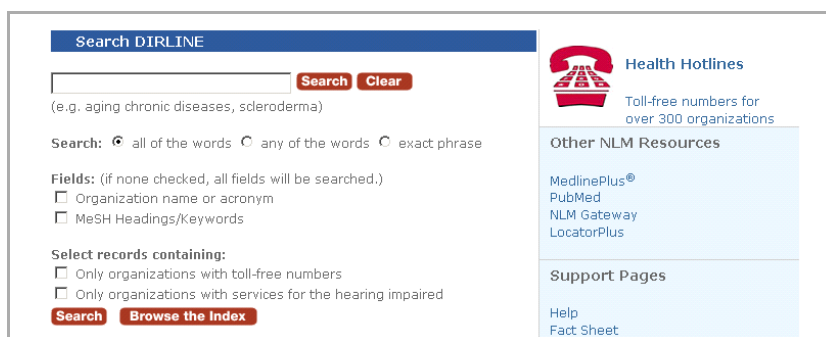
<http://www.dirline.nlm.nih.gov>

DIRLINE contains more than 8,000 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 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®).



**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.)

☐ 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

**Other NLM Resources**

MedlinePlus®  
PubMed  
NLM Gateway  
LocatorPlus

**Support Pages**

Help  
Fact Sheet

Use the A-Z Index to browse for a health organization:



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

DIRLINE PDA Access | SIS Home | About Us | Site Map & Search | Contact Us

[Dirline Home](#) >

**A to Z List of Health Organizations**

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [0-9](#)

▶ AACC International

▶ AARP

▶ Aarskog Syndrome Parents Support Group

▶ ABC Quilts

▶ Abiding Hearts

▶ Abilities

▶ Ability Online

## Additional Resources

For further information, we recommend these additional resources:

- ▶ DIRLINE Fact Sheet  
<http://www.nlm.nih.gov/pubs/factsheets/dirlinefs.html>
- ▶ Prescription for Success: Consumer Health Information on the Internet (National Network of Libraries of Medicine)  
<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 <http://dirline.nlm.nih.gov>
- Type **hiv aids** in the search box
- Click the **Search** button

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

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

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


## Search Exercises



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

**Exercise 1: Find HIV/AIDS-related resources that are located in Puerto Rico. Review several resources of interest to you.**

Suggested Solution:

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

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

Suggested Solution:

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

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

Suggested Solution:

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

**Exercise 4: Are there any housing resources for people infected with HIV?**

Suggested Solution:

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

## Additional Resources



## National Minority AIDS Council

<http://www.nmac.org>

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

**NATIONAL MINORITY AIDS COUNCIL**  
Building Healthier Communities

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

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

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

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

**NMAC HEADLINES**

- Read the press release about the call by 30 national HIV/AIDS organizations and leaders representing African-American, Latino, Native American/Alaska Native, and Asian & Pacific Islander communities for the development and implementation of a comprehensive national AIDS strategy. The demands to the Democratic and Republican presidential nominees come in response to long standing concerns about unmet needs for targeted HIV research, treatment access, medical care and prevention in communities of color. [read more](#)
- The 2008 USCA Housing Form now available for attendees having trouble with the online system. Visit our new Q&A Website which covers most questions regarding USCA in Ft. Lauderdale - confirming, creating and/or changing hotel reservations, exhibiting, transportation to and from the airport, renting scooters, etc. [read more](#)
- Thank you to everyone who entered - and voted - in the 2008 HIV Vaccine Awareness Poster Contest! The polls have closed - and the winner is: "HIV Stops with Me" submitted by Sochenda
- David Winkler-Schmit recently interviewed Ravinia Hayes-Cozier, NMAC's Director of Government Relations and Public Policy and Spokesperson, for his heartbreaking Gambit Magazine cover story of HIV/AIDS service delivery in New Orleans, "What's in Their Wallets?" [read more](#)
- Members of the media are invited to cover the 2008 USCA. Online registration for credentials is available until Friday, September 5, 2008! [read more](#)
- USCA will now be held at the Greater Ft. Lauderdale/Broward County Convention Center. More information about this unexpected development now available! [read more](#)
- Re-evaluation of HIV incidence data at the Centers for Disease Control and Prevention (CDC) has revealed that over 55,500 new HIV cases occurred each year from 2003-2006, with 96,300 cases in 2006 alone. These numbers are approximately 40% higher than the CDC's previous estimate of 40,000 new HIV cases annually, an estimate that had remained the same for over ten years. NMAC released a statement today.

**ONLINE COVERAGE OF AIDS 2008**  
XVII International AIDS Conference  
[Webcasts](#) [Daily Reports](#)  
[Opening Session](#)  
[Closing Session](#)  
[HIV/AIDS and Health System Reform with Former President Bill Clinton](#)  
Provided by [kaiser-network.org](#) in partnership with the International AIDS Society

**IMPORTANT DEADLINES**

**LATEST DOWNLOADS**

[NMAC Agencywide Brochure](#)

[2008 USCA Registration Brochure](#)

## 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

## **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

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

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.



### 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

<http://cdc.gov>

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 20 at CDC.gov lists the most popular pages. The Tools & Resources section includes a BMI (Body Mass Index) calculator, training information, software, and downloads. CDC.gov is also available in most spoken languages in the United States as well as many other languages from around the world.

The screenshot shows the CDC.gov homepage with a blue header and a white search bar. The main content area is divided into several sections:

- Design & Work Safety:** A large banner featuring a yellow measuring tape and the text "Design & Work Safety" and "Prevent Work-related Hazards through Design".
- Health & Safety Topics:** A grid of links to various health topics, including:
  - Diseases & Conditions:** ADHD, Birth Defects, Cancer, Diabetes, Fetal Alcohol Syndrome, Flu, Hepatitis, HIV/AIDS, STDs...
  - Healthy Living:** Bone Health, Physical Activity, Immunizations, Genetics, Sexual Health, Smoking Prevention...
  - Emergency Preparedness & Response:** Bioterrorism, Chemical & Radiation Emergencies, Severe Weather...
  - Injury, Violence & Safety:** Brain Injury, Child Abuse, Falls, Fires, Food Safety, Poisoning, Suicide, Youth Violence...
  - Environmental Health:** Air Pollution, Carbon Monoxide, Lead, Mold, Water Quality, Climate Change...
  - Travelers' Health:** Destinations, Outbreaks, Travel Vaccinations, Yellow Book...
  - Life Stages & Populations:** Infant & Child, Men, Minorities, Pregnancy, Seniors, Women...
  - Workplace Safety & Health:** Asbestos, Chemical Safety, Construction, Mining, Office Environments, Respirators...
- Data & Statistics:** A section featuring a bar chart titled "Adults\* Who Had Five or More Alcoholic Drinks in 1 Day\* by Age Group and Sex, 2007". The chart shows percentages for different age groups (18-24, 25-44, 45-64, 65 years and over) for both males and females. Below the chart is a link to "More Data & Statistics".
- Publications:** A list of publications including "Emerging Infectious Diseases (EID)", "Morbidity and Mortality Weekly Report (MMWR)", and "Preventing Chronic Disease (PCD)".
- Tools & Resources:** A list of resources including "CDC-TV", "CDC Health-e-Cards", "Widgets and Gadgets", and "Image Library (PHIL)".
- News & Events:** A section featuring a photo of a child and the headline "Childhood Trauma Linked to Risk for Chronic Fatigue Syndrome". Below the headline is a link to "All CDC In The News".
- About CDC:** A section with links to "CDC's Organization", "Budget", "Funding", and "Employment".
- CDC Health Protection Goals:** A list of goals including "Healthy People in Every Stage of Life", "Healthy People in Healthy Places", "People Prepared for Emerging Health Threats", "Healthy People in a Healthy World", and "About CDC's Goals".
- CDC.gov Top 10:** A list of the top 10 most popular pages on the CDC.gov website, including "Flu", "Melamine", "FEMA-provided travel trailers", "Methicillin-resistant *Staphylococcus aureus* (MRSA)", and "Vaccines and".

### Additional Highlights

- ▶ Health Disparities  
<http://www.cdc.gov/omhd/Topic/HealthDisparities.html>
- ▶ Health Disparities: A Selected Bibliography  
<http://www.cdc.gov/nccdphp/publications/HealthDisparities/pdf/bibliography.pdf>
- ▶ Healthy Youth!  
<http://www.cdc.gov/HealthyYouth>

## Selected Internet Resources in Health

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### Agency for Healthcare Research and Quality

<http://www.ahrq.gov>

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

### American Medical Association

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

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

### BioMed Central

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

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

### CDC Environmental Health

<http://www.cdc.gov> (Click the Environmental Health topic.)

—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.

### CDC National Center for Infectious Diseases

<http://www.cdc.gov/ncidod/diseases>

—An index of illnesses, conditions, concerns, and programs from the National Center for Infectious Diseases. Information provided includes fact sheets and travel information.

### Center for Drug Evaluation and Research

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

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

### ClinicalTrials.gov

<http://clinicaltrials.gov>

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

## **CNN Health**

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

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

## **Directory of Open Access Journals**

<http://www.doaj.org>

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

## **Doctor's Guide**

<http://www.docguide.com>

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

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

<http://www.fda.gov>

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

## **Health Hotlines**

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

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

## **Health Literacy Training [FREE]**

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

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

## **Healthfinder**

<http://www.healthfinder.gov>

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

## HealthWeb

<http://healthweb.org>

—Health links organized in easy-to-use health specialty categories, maintained by medical school libraries in the Greater Midwest Region of the National Network of Libraries of Medicine.

## Healthy People 2010

<http://healthypeople.gov>

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

## Healthy People 2010 Information Access Project

<http://phpartners.org/hp>

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

## Medical Matrix

<http://www.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

<http://www.medicinenet.com>

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

## MedlinePlus

<http://medlineplus.gov>

—A consumer health Web site from the National Library of Medicine, providing health professionals and consumers a wealth of authoritative, up-to-date medical information on over 700 diseases and medical conditions. Resources include lists of hospitals and physicians, a medical encyclopedia, a medical dictionary, extensive information on prescription and non-prescription drugs, health information from the media, and links to thousands of clinical trials. MedlinePlus is updated daily. Available in English and Spanish.



## **Medscape®**

<http://www.medscape.com>

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

## **MedWeb Community (MWC)**

<http://www.medweb.emory.edu/MedWeb>

—The next generation of the original MedWeb, MWC focuses on globally available quality biomedical resources and accessibility to all, especially those with low vision and users with low bandwidth. The site contains well-chosen and thorough Internet selections in biomedicine and extensive links to health professional organizations. Maintained by the staff of the Robert W. Woodruff Health Sciences Center Library at Emory University.

## **MyFamilyHealthPortrait**

<https://familyhistory.hhs.gov>

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

## **National Library of Medicine**

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

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

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

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

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

## **National Medical Association**

<http://www.nmanet.org>

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



## **National Women's Health Information Center**

<http://www.4women.gov>

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

## **NIH Health Information**

<http://health.nih.gov>

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

## **NursingNet**

<http://www.nursingnet.org>

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

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

<http://www.omhrc.gov>

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

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

<http://phpartners.org>

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

## **Public Health Information and Data Tutorial**

<http://phpartners.org/tutorial>

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

## **National Clearinghouse for Alcohol and Drug Information**

<http://ncadi.samhsa.gov>

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

## **Public Library of Science**

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

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

## **PubMed**

<http://pubmed.gov>

—One of the National Library of Medicine's free search services. It provides access to over 18 million citations in MEDLINE and about HIV/AIDS, with links to participating online journals.

## **Rural Assistance Center State Resources**

<http://www.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®**

<http://uihealthcare.com/vh>

—After 13 years of service, on January 1, 2006, Virtual Hospital and Virtual Children's Hospital® ceased operations due to a lack of funding. However, the patient information is now available on the University of Iowa's UI Health Care.com Web site. The information is prepared and reviewed by health professionals.

## **WebMD**

<http://www.webmd.com>

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

**WholeHealthMD**

<http://www.wholehealthmd.com>

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

## Selected Internet Resources in HIV/AIDS

|                                                                    |                                                                                                                 |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| AIDS.GOV .....                                                     | <a href="http://aids.gov">http://aids.gov</a>                                                                   |
| AIDS.ORG .....                                                     | <a href="http://aids.org">http://aids.org</a>                                                                   |
| AIDS Action Committee of Massachusetts .....                       | <a href="http://www.aac.org">http://www.aac.org</a>                                                             |
| AIDS Education Global Information System (AEGIS) .....             | <a href="http://www.aegis.org">http://www.aegis.org</a>                                                         |
| AIDS History Project .....                                         | <a href="http://www.library.ucsf.edu/collres/archives/ahp">http://www.library.ucsf.edu/collres/archives/ahp</a> |
| AIDS Images Library .....                                          | <a href="http://www.aids-images.ch">http://www.aids-images.ch</a>                                               |
| AIDS Information and Controversy 1985–1995 .....                   | <a href="http://aidsinfobbs.org">http://aidsinfobbs.org</a>                                                     |
| AIDS InfoNet .....                                                 | <a href="http://www.aidsinfonet.org">http://www.aidsinfonet.org</a>                                             |
| AIDS Project Los Angeles .....                                     | <a href="http://www.apla.org">http://www.apla.org</a>                                                           |
| AIDS Resource List .....                                           | <a href="http://www.specialweb.com/aids">http://www.specialweb.com/aids</a>                                     |
| AIDS Treatment Data Network .....                                  | <a href="http://www.atdn.org">http://www.atdn.org</a>                                                           |
| AIDS Treatment News .....                                          | <a href="http://www.thebody.com/content/art31573.html">http://www.thebody.com/content/art31573.html</a>         |
| AIDSinfo .....                                                     | <a href="http://www.aidsinfo.nih.gov">http://www.aidsinfo.nih.gov</a>                                           |
| aidsinfonyc.org .....                                              | <a href="http://www.aidsinfonyc.org">http://www.aidsinfonyc.org</a>                                             |
| Aidsmap .....                                                      | <a href="http://www.aidsmap.com">http://www.aidsmap.com</a>                                                     |
| All the Virology on the WWW .....                                  | <a href="http://www.virology.net/garryfavweb.html">http://www.virology.net/garryfavweb.html</a>                 |
| The Alternative Medicine HomePage .....                            | <a href="http://www.pitt.edu/~cbw/altm.html">http://www.pitt.edu/~cbw/altm.html</a>                             |
| American Foundation for AIDS<br>Research (AmFAR) Global Link ..... | <a href="http://web.amfar.org/treatment/index.asp">http://web.amfar.org/treatment/index.asp</a>                 |
| American Red Cross .....                                           | <a href="http://www.redcross.org/services/hss/hivaids">http://www.redcross.org/services/hss/hivaids</a>         |
| Australian Federation of AIDS Organisations .....                  | <a href="http://www.afao.org.au">http://www.afao.org.au</a>                                                     |
| The Body .....                                                     | <a href="http://www.thebody.com">http://www.thebody.com</a>                                                     |
| California AIDS Clearinghouse .....                                | <a href="http://www.hivinfo.org">http://www.hivinfo.org</a>                                                     |
| Canadian AIDS Treatment Information Exchange .....                 | <a href="http://www.catie.ca">http://www.catie.ca</a>                                                           |

|                                                                                                           |                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Canadian HIV Trials Network .....                                                                         | <a href="http://www.hivnet.ubc.ca/e/home">http://www.hivnet.ubc.ca/e/home</a>                                                   |
| Center for AIDS Prevention Studies .....                                                                  | <a href="http://www.caps.ucsf.edu">http://www.caps.ucsf.edu</a>                                                                 |
| Centers for Disease Control and Prevention (CDC) HIV/AIDS .....                                           | <a href="http://www.cdc.gov/hiv">http://www.cdc.gov/hiv</a>                                                                     |
| Center for Mental Health Research<br>on AIDS (CMHRA) .....                                                | <a href="http://www.nimh.nih.gov/dahbr/9a-as.cfm">http://www.nimh.nih.gov/dahbr/9a-as.cfm</a>                                   |
| Critical Path AIDS Project.....                                                                           | <a href="http://www.critpath.org">http://www.critpath.org</a>                                                                   |
| GMHC on the Web Gay Men's Health Crisis.....                                                              | <a href="http://www.gmhc.org">http://www.gmhc.org</a>                                                                           |
| Healthfinder.gov.....                                                                                     | <a href="http://www.healthfinder.gov">http://www.healthfinder.gov</a>                                                           |
| Health Resources and Services Administration (HRSA)<br>HIV/AIDS Program: Caring for the Underserved ..... | <a href="http://www.hab.hrsa.gov">http://www.hab.hrsa.gov</a>                                                                   |
| Health Services/Technology<br>Assessment Text (HSTAT) .....                                               | <a href="http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=hstat">http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=hstat</a>           |
| HIV Databases .....                                                                                       | <a href="http://www.hiv.lanl.gov/">http://www.hiv.lanl.gov/</a>                                                                 |
| HIV InSite .....                                                                                          | <a href="http://hivinsite.ucsf.edu">http://hivinsite.ucsf.edu</a>                                                               |
| HIV/AIDS Prevention Web Sites<br>for Communities of Color .....                                           | <a href="http://orise.orau.gov/healthcomm/hiv-aids-prevention.htm">http://orise.orau.gov/healthcomm/hiv-aids-prevention.htm</a> |
| HIV/AIDS Surveillance (U.S. Census Bureau) .....                                                          | <a href="http://www.census.gov/ipc/www/hivaidsn.html">http://www.census.gov/ipc/www/hivaidsn.html</a>                           |
| HIV/AIDS Vaccines .....                                                                                   | <a href="http://www3.niaid.nih.gov/research/topics/HIV/vaccines/">http://www3.niaid.nih.gov/research/topics/HIV/vaccines/</a>   |
| HIVandHepatitis.com .....                                                                                 | <a href="http://hivandhepatitis.com">http://hivandhepatitis.com</a>                                                             |
| HIVdent (dental information) .....                                                                        | <a href="http://www.hivdent.org">http://www.hivdent.org</a>                                                                     |
| HIVpositive.com .....                                                                                     | <a href="http://www.hivpositive.com">http://www.hivpositive.com</a>                                                             |
| How to Find Reliable HIV/AIDS<br>Treatment Information on the Internet....                                | <a href="http://orise.orau.gov/healthcomm/hiv-aids-treatment.htm">http://orise.orau.gov/healthcomm/hiv-aids-treatment.htm</a>   |
| International AIDS Society .....                                                                          | <a href="http://www.iasociety.org">http://www.iasociety.org</a>                                                                 |
| International Association of Physicians in AIDS Care .....                                                | <a href="http://www.iapac.org">http://www.iapac.org</a>                                                                         |
| Johns Hopkins HIV Guide .....                                                                             | <a href="http://www.hopkins-aids.edu">http://www.hopkins-aids.edu</a>                                                           |
| Joint United Nations Programme on HIV/AIDS .....                                                          | <a href="http://www.unaids.org">http://www.unaids.org</a>                                                                       |

|                                                                              |                                                                                                                       |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| MedlinePlus AIDS .....                                                       | <a href="http://medlineplus.gov/aids">http://medlineplus.gov/aids</a>                                                 |
| Medscape HIV/AIDS .....                                                      | <a href="http://www.medscape.com/hiv">http://www.medscape.com/hiv</a>                                                 |
| National AIDS Treatment Advocacy Project (NATAP) .....                       | <a href="http://www.natap.org">http://www.natap.org</a>                                                               |
| National Clearinghouse for Alcohol and Drug Information .....                | <a href="http://ncadi.samhsa.gov">http://ncadi.samhsa.gov</a>                                                         |
| National HIV/AIDS Clinicians' Consultation Center (NCCC) .....               | <a href="http://www.nccc.ucsf.edu">http://www.nccc.ucsf.edu</a>                                                       |
| National Institute of Allergy and Infectious Diseases (NIAID) .....          | <a href="http://www3.niaid.nih.gov/">http://www3.niaid.nih.gov/</a>                                                   |
| National Institutes of Health (NIH)<br>Office of AIDS Research (OAR) .....   | <a href="http://www.oar.nih.gov">http://www.oar.nih.gov</a>                                                           |
| National Library of Medicine HIV/AIDS Portal .....                           | <a href="http://sis.nlm.nih.gov/hiv.html">http://sis.nlm.nih.gov/hiv.html</a>                                         |
| National Minority AIDS Council .....                                         | <a href="http://www.nmac.org">http://www.nmac.org</a>                                                                 |
| National Prevention Information Network .....                                | <a href="http://www.cdcnpin.org">http://www.cdcnpin.org</a>                                                           |
| New York Academy of Medicine, HIV/AIDS Information<br>Outreach Program ..... | <a href="http://www.aidsnyc.org">http://www.aidsnyc.org</a>                                                           |
| NIAID Division of Acquired<br>Immunodeficiency Syndrome .....                | <a href="http://www3.niaid.nih.gov/about/organization/daids/">http://www3.niaid.nih.gov/about/organization/daids/</a> |
| Partners in Information Access for<br>the Public Health Workforce—HIV .....  | <a href="http://phpartners.org/hp/hiv.html">http://phpartners.org/hp/hiv.html</a>                                     |
| Positive.org .....                                                           | <a href="http://www.positive.org/Home">http://www.positive.org/Home</a>                                               |
| Project Inform .....                                                         | <a href="http://www.projinf.org">http://www.projinf.org</a>                                                           |
| PubMed .....                                                                 | <a href="http://pubmed.gov">http://pubmed.gov</a>                                                                     |
| PubMed Training Manual (NLM)<br>(select PubMed) .....                        | <a href="http://www.nlm.nih.gov/pubs/web_based.html">http://www.nlm.nih.gov/pubs/web_based.html</a>                   |
| PubMed Tutorial (NLM) .....                                                  | <a href="http://www.nlm.nih.gov/bsd/disted/pubmedtutorial/">http://www.nlm.nih.gov/bsd/disted/pubmedtutorial/</a>     |
| Rural Center for AIDS/STD Prevention .....                                   | <a href="http://www.indiana.edu/~aids">http://www.indiana.edu/~aids</a>                                               |
| San Francisco AIDS Foundation .....                                          | <a href="http://www.sfaf.org">http://www.sfaf.org</a>                                                                 |
| Social Security Administration .....                                         | <a href="http://www.ssa.gov">http://www.ssa.gov</a>                                                                   |
| The TB/HIV Research Laboratory (Brown University) .....                      | <a href="http://tbhiv.biomed.brown.edu/">http://tbhiv.biomed.brown.edu/</a>                                           |

- U.S. Department of Health and Human Services** ..... <http://www.os.dhhs.gov>
- U.S. Food and Drug Administration, HIV and AIDS** ..... <http://www.fda.gov/oashi/aids/hiv.html>
- World Health Organization, Tuberculosis** ..... <http://www.who.int/tb/en/>
- Yahoo AIDS/HIV Resources** ..... [http://dir.yahoo.com/health/diseases\\_and\\_conditions/aids\\_hiv](http://dir.yahoo.com/health/diseases_and_conditions/aids_hiv)

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# 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@tehl.nlm.nih.gov](mailto:tehip@tehl.nlm.nih.gov)

### Online Resources

|                                                         |                                                                                                                                                        |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Online Training Manuals                                 | <a href="http://www.nlm.nih.gov/pubs/web_based.htm">http://www.nlm.nih.gov/pubs/web_based.htm</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>

### Instructors

|                                                                                                                                                         |                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
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