

HIV/AIDS

Information

Resources

from the
National
Library
of Medicine





HIV/AIDS Information Resources from the National Library of Medicine

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.

Preface

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

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

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



nlm.nih.gov

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

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Introduction

Introduction

Why the National Library of Medicine?

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

NLM Online Resources Covered in this Workbook

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

- ▶ **AIDSinfo**—a Department of Health and Human Services Web site that provides the latest federally approved treatment guidelines for health care professionals as well as additional information on treatment, prevention and research for both health care providers and consumers
- ▶ **ClinicalTrials.gov**—regularly updated information about federally and privately supported clinical research for a wide range of diseases and conditions, including locations and phone numbers for more details
- ▶ **MedlinePlus**—a consumer health information resource, including full-text documents on medical topics, information on drugs, a medical encyclopedia, medical dictionaries, and directories of libraries, hospitals, and health care professionals
- ▶ **PubMed/MEDLINE**—access to references to journal articles published in journals in the fields of medicine and the life sciences
- ▶ **Public Health Partners**—a collaboration of U.S. government agencies, public health organizations, and health sciences libraries which provides timely, convenient access to selected public health resources on the Internet
- ▶ **DIRLINE**—an online directory of health-related organizations offering information and referral for many diseases and conditions

2

Basic Internet Skills

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), satellite service 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:

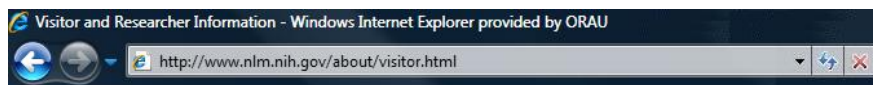


Let's look more closely at the URL. The basic components of a URL are:

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

This basic URL will get you to a Web site's home page. Note that not all URLs begin with “www.” For example, the URL for NLMs 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 (**about**) and/or a filename: (**visitor.html**).



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

Domain Names

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

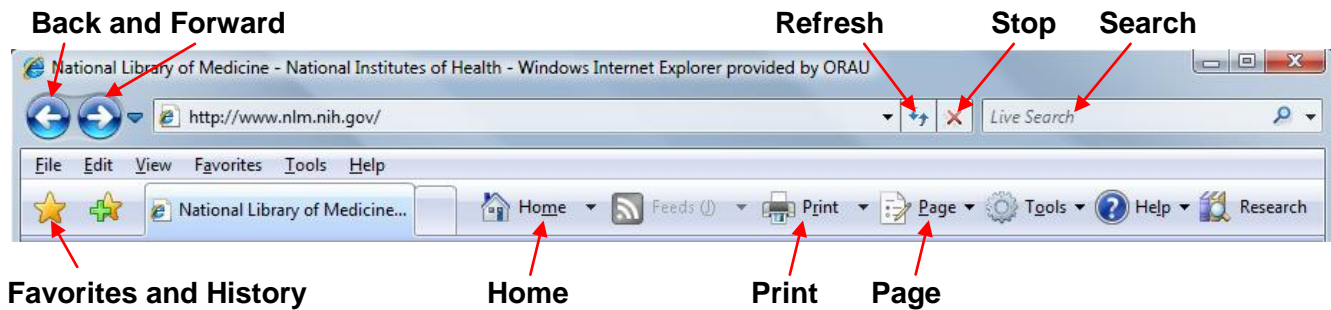
A state within the U.S.:

.tn.us	Tennessee
--------	-----------

Some International domain names:

.au	Australia
.de	Germany
.it	Italy

Microsoft Explorer's navigation toolbar looks like this:



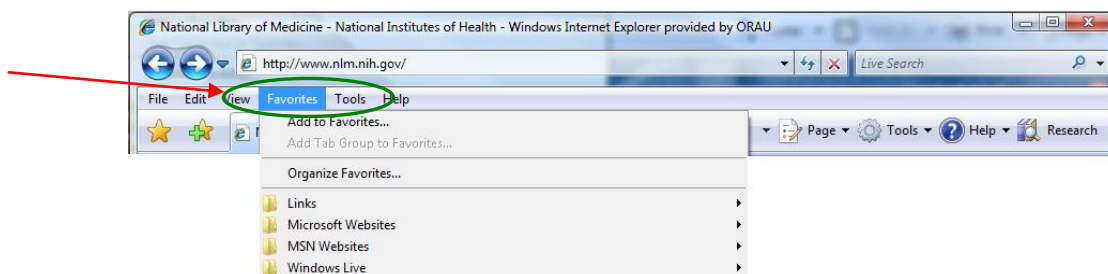
- Click...
- Back**to return to the last page you viewed
 - Forward**.....to return to a page you viewed before clicking the **Back** button
 - Stop**.....to cancel opening a new page
 - Refresh**to re-open (reload) the page
 - Home**.....to go to your starting page (can be customized)
 - Search**.....to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



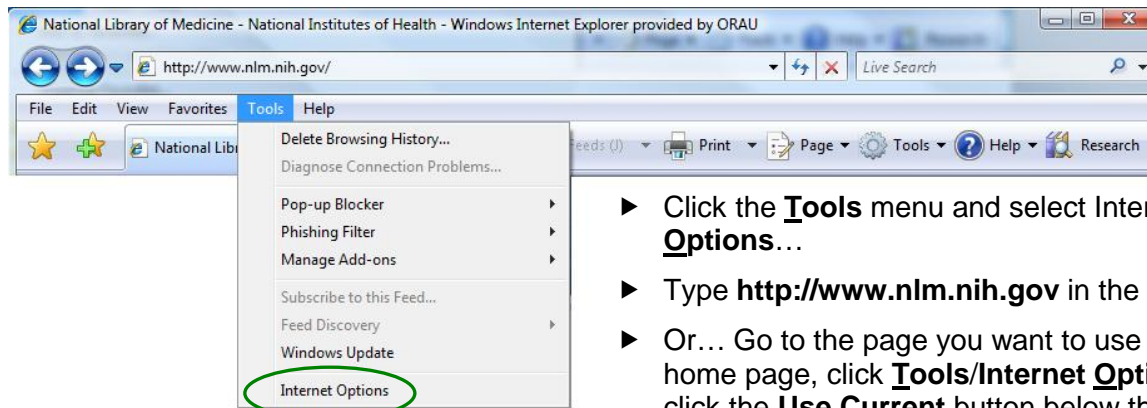
- Click...
- E**dit, and then **F**ind (on This Page)...to find key words on the page you are viewing
 - V**iew, and then **T**ext **S**ize...to increase or decrease the text size on the page
 - F**avorites...to bookmark a Web page or to organize your bookmarks
 - T**ools, and then **I**nternet **O**ptions...to customize your browser
 - H**elp...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.



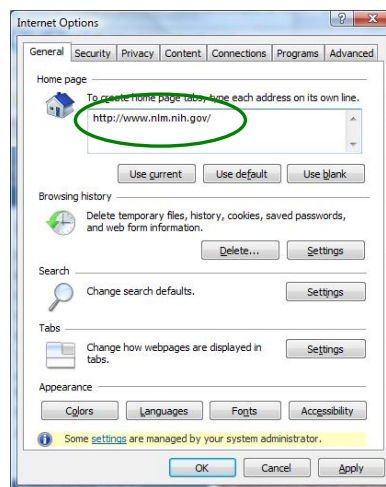
- ▶ Click the **T**ools menu and select **I**nternet **O**ptions...
- ▶ Type <http://www.nlm.nih.gov> in the address box
- ▶ Or... Go to the page you want to use as your home page, click **T**ools/**I**nternet **O**ptions, then click the **U**se **C**urrent button below the address box

Printing Web Pages

To print the Web page you are on, you may click the print button on the navigation toolbar or click the **F**ile menu and select **P**rint... 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 **F**ile 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

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.

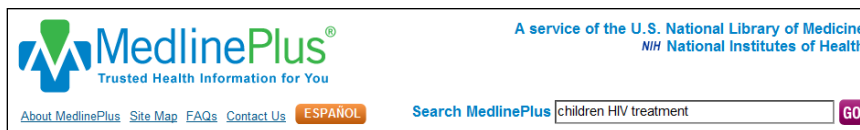
REVIEW!

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

Consider synonyms and variations of those terms:

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

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



Boolean Searching

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

<p>hiv AND aids</p> <ul style="list-style-type: none"> ▶ Retrieves only those records common to the selected sets 	
<p>hiv OR aids</p> <ul style="list-style-type: none"> ▶ Retrieves sets of records that may, but need not, have elements in common 	
<p>hiv NOT aids</p> <ul style="list-style-type: none"> ▶ Retrieves a set of records from which one or more elements have been excluded 	
<p>(hiv OR aids) AND flu</p> <ul style="list-style-type: none"> ▶ Use nested parentheses when using more than one Boolean operator 	

Narrowing a Search

To narrow a search on apples:

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

Broadening a Search

To broaden a search on macintosh apples:

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

Additional Resources

For further information, we recommend these additional resources:

- ▶ [Browsers \(CNET Download.com\)
download.com/2001-2137-0.html](http://download.com/2001-2137-0.html)
- ▶ [General Internet Information
nnlm.gov/scr/technology/internetfaq1.html](http://nnlm.gov/scr/technology/internetfaq1.html)
- ▶ [Internet Information Access Resources
nnlm.gov/scr/technology/internetfaq2.html](http://nnlm.gov/scr/technology/internetfaq2.html)
- ▶ [Internet Basics \(Seniors\)
nihseniorhealth.gov/toolkit/toolkitfiles/pdf/Module_1.pdf](http://nihseniorhealth.gov/toolkit/toolkitfiles/pdf/Module_1.pdf)

Selected World Wide Web Search Tools

Major Search Directories and Search Engines

- ▶ altavista.com
- ▶ ask.com
- ▶ bing.com
- ▶ google.com
- ▶ hotbot.com
- ▶ msn.com
- ▶ yahoo.com

Meta Search Engines

- ▶ dogpile.com
- ▶ infogrid.com
- ▶ ixquick.com
- ▶ mamma.com
- ▶ surfwax.com
- ▶ vivisimo.com

Miscellaneous

- ▶ [Search Engine Watch – Information for Web Designers
searchenginewatch.com](http://searchenginewatch.com)
- ▶ [CataList – Reference Site for Listserv lists
soft.com/lists/listref.html](http://soft.com/lists/listref.html)

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Navigating the Web for Health Information

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?

The screenshot shows the NLM website homepage with the following sections:

- U.S. National Library of Medicine** (National Institutes of Health)
- Contact NLM** (Social media icons)
- Search** (Search bar)
- Databases**
 - PubMed/MEDLINE
 - MeSH
 - UMLS
 - ClinicalTrials.gov
 - MedlinePlus
 - TOXNET
 - Images from the History of Medicine
 - LocatorPlus
 - All NLM Databases & APIs
- Find, Read, Learn**
 - Search biomedical literature
 - Find medical terminologies
 - Search NLM collections
 - Read about diseases
 - Learn about drugs
 - Explore history
 - Find a clinical trial
 - Use a medical dictionary
 - Find free full-text articles
- Explore NLM**
 - About NLM
 - Health Information
 - Library Catalog & Services
 - History of Medicine
 - Online Exhibitions & Digital Projects
 - Information for Publishers
 - Visit the Library
- Research at NLM**
 - Human Genome Resources
 - Biomedical Research & Informatics
 - Environmental Health & Toxicology
 - Health Services Research & Public Health
 - Health Information Technology
- NLM for You**
 - Grants & Funding
 - Meaningful Use Tools
 - Training & Outreach
 - Network of Medical Libraries
 - Regional Activities
 - Jobs at NLM
 - Mobile Gallery
- News & Events**
 - New Genetics Education Resource
 - "Pick Your Poison: Intoxicating Pleasures and Medical Prescriptions" on Display
 - NISO Publishes Journal Article Tag Suite (JATS) Standard
 - New Topic on NISeniorHealth: Older Drivers
- Native Peoples' Concepts of Health and Illness** (Multimedia Exhibition for Visitors of All Ages)
- Technical Bulletin**, **Connect with NLM**, **Multimedia Exhibition**, **Podcasts**, **NLM Tools & Widgets** (Footer icons)

nlm.nih.gov

Evaluating Internet Resources

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 pullout reference sheet in the back of this workbook.

Additional Resources

For further information, we recommend these additional resources:

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

Savvy Health Surfing Exercises

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

	Authority/Accuracy	Coverage	Currentness	Objectivity	Design
1: thinktwice.com					
2: tourette13.tripod.com					
3: healthfree.com					
4: malepregnancy.com					
5: healthcentral.com					
6: drugs.com					
7: thebody.com					
8: nwsids.org					
9: medical-library.net					
10: webmd.com					
11: drclark.net					
12: aaemonline.org					
13: pslgroup.com/dg950925.htm					
14: amaasportsmed.org					
15: bonetumor.org					
16: biausa.org					
17: sparkaction.org					
18: curezone.com					

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4

AIDSinfo

AIDSinfo

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

AIDSinfo
Offering Information on HIV/AIDS Treatment, Prevention, and Research

Home | Guidelines | Clinical Trials | Drugs | HIV/AIDS Health Topics | Education Materials | Mobile Resources & Tools

Explore the **AIDSinfo Glossary of HIV/AIDS-Related Terms**
Search here

News
NIH-Funded Analysis Estimates Effective PrEP Dosing
Common Application for HIV Patient Assistance Program Goes Into Effect
AIDSinfo At-a-Glance

Guidelines
Federally approved HIV/AIDS medical practice guidelines
View and Download the Guidelines
Adult ARV Guidelines
Pediatric ARV Guidelines
Perinatal Guidelines
Adult OI Guidelines
Pediatric OI Guidelines

Clinical Trials
Search tool to find HIV/AIDS-related clinical trials
Enter Search Terms Search
HIV/AIDS-Related Clinical Trials
HIV Preventive Vaccine Clinical Trials
HIV Therapeutic Vaccine Clinical Trials

Drugs
Information on HIV/AIDS-related drugs
HIV/AIDS-Related Drugs
FDA-Approved HIV/AIDS Drugs
Investigational HIV/AIDS Drugs

HIV/AIDS Health Topics
Links to HIV/AIDS-related resources
HIV/AIDS-Related Health Topics
Fact Sheets

Education Materials
HIV/AIDS-related educational resources
Fact Sheets
Glossary
HIV/AIDS Awareness Day Pages
Get Homework Help

Mobile Resources & Tools
Tools for easy access to HIV/AIDS-related information
Click and Explore
Mobile Site
Apps
API
Widgets
Order Publications

Facebook | Twitter | RSS Feeds | Share | E-News | Widgets

HONcode We subscribe to the HONcode principles. Verify here

Mobile Resources:
Mobile Site | Applications | APIs | Widgets

Quicklinks:
Home | About Us | Contact Us | Glossary | Site Map | Privacy Policy | FOIA | Accessibility | Sponsors | Order Publications

Download Adobe Acrobat® Reader™ to view PDF files located on this site.

aidsinfo.nih.gov

Organization and Features

AIDS*info* 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
- ▶ **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
- ▶ **Drugs**—records for FDA-approved and investigational HIV/AIDS-related drugs: Patient, Health Professional, and Spanish versions
- ▶ **HIV/AIDS Health Topics**—a comprehensive collection of links to government resources about HIV/AIDS-related topics
- ▶ **Education Materials**—resources for both patients and health care providers on HIV/AIDS-related topics
- ▶ **Mobile Resources and Tools**—a variety of tools designed to provide access to the most popular features—such as the guidelines, clinical trial search tools, and drug database—all optimized for mobile devices

Additional features offered in AIDS*info* include the following:

- ▶ **HIV/AIDS Glossary**—definitions of HIV/AIDS-related terms in English and Spanish
- ▶ **iPhone Glossary App**—download the AIDS*info* iPhone Glossary application to gain on-the-go access to the terms found in the AIDS*info* Glossary of HIV/AIDS-Related Terms
- ▶ **Glossary Translation Tool**—English and Spanish translations of HIV-related terms
- ▶ **Archived Newsletter Archives**—database of back issues of the electronic newsletter AIDS*info* -at- Glance
- ▶ **Live Chat**—confidential one-on-one assistance via the Internet from health information specialists
- ▶ **Homework Help**—resources and references for learning and writing papers about HIV and AIDS for school projects
- ▶ **Publications**—print, electronic, and PDF versions of AIDS*info* publications (Single copies of print publications are free)

Searching AIDSinfo

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



Clinical Guidelines Portal

Search by keywords in the Adult and Adolescent, Pediatric and Perinatal Guidelines or browse the current and archived guidelines.

AIDSinfo Clinical Trials Database

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

AIDSinfo Drug Database

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

Stay Connected



Mobile Version

The AIDSinfo mobile site contains the same popular features found on the full AIDSinfo Web site, optimized for display on mobile devices. The mobile version is available at m.aidsinfo.nih.gov. Spanish Mobile available at m.infosida.nih.gov



Apps

Download AIDSinfo mobile apps, created specifically for Apple and Android phones and tablets. Download apps at aidsinfo.nih.gov/apps



Follow us on Twitter

Twitter provides AIDSinfo users with short, timely, and instantly updated health news and information. Join and follow at twitter.com/aidsinfo



GET E-mail Updates

Subscribe to the AIDSinfo's weekly e-newsletter, At-a-Glance, to receive notice of Web site updates, HIV/AIDS news, and treatment guideline updates. aidsinfo.nih.gov/Other/subscribe.aspx



Facebook

Facebook provides *AIDSinfo* users with a simple way to stay up-to-date with the latest HIV/AIDS information. [facebook.com/AIDSinfo](https://www.facebook.com/AIDSinfo)



Subscribe to RSS

AIDSinfo offers the information in the weekly newsletter and Drug Database through Really Simple Syndication (RSS) feeds. aidsinfo.nih.gov/Other/rss.aspx

Additional Resources

For further information, we recommend these additional resources:

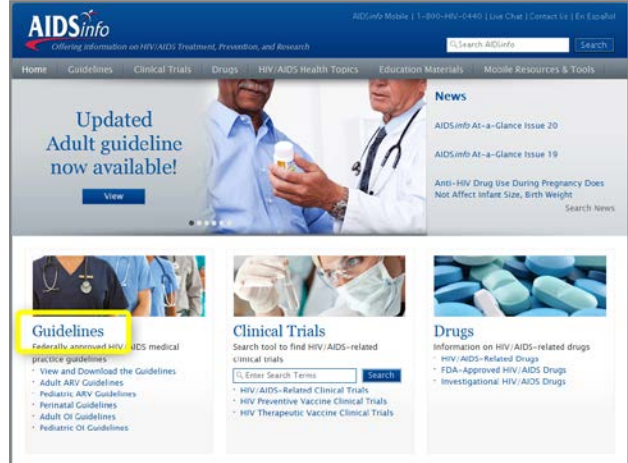
- ▶ [AIDSinfo Brochure](#)
aidsinfo.nih.gov/contentfiles/ai_brochure.pdf
- ▶ [AIDSinfo Glossary](#)
aidsinfo.nih.gov/ContentFiles/GlossaryHIVrelatedTerms.pdf
- ▶ [Glosario del VIH/SIDA](#)
aidsinfo.nih.gov/ContentFiles/SpanishGlossary_sp.pdf
- ▶ [infoSIDA](#)
aidsinfo.nih.gov/infoSIDA

AIDSinfo Search Exercises

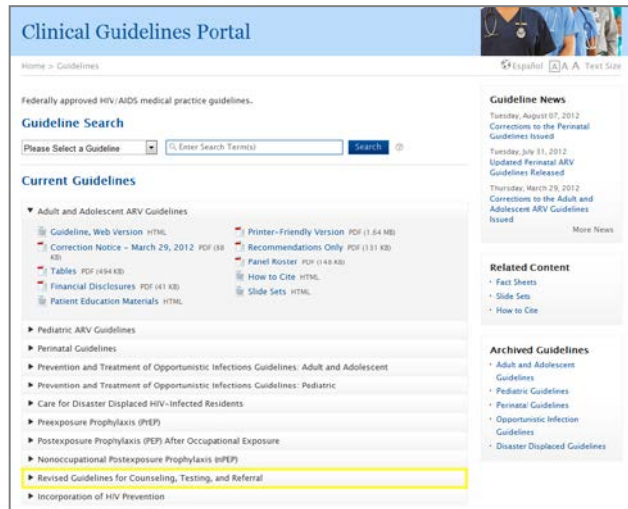
Search Example: Locate the latest guidance on HIV testing, counseling, and referral.

Suggested Solution:

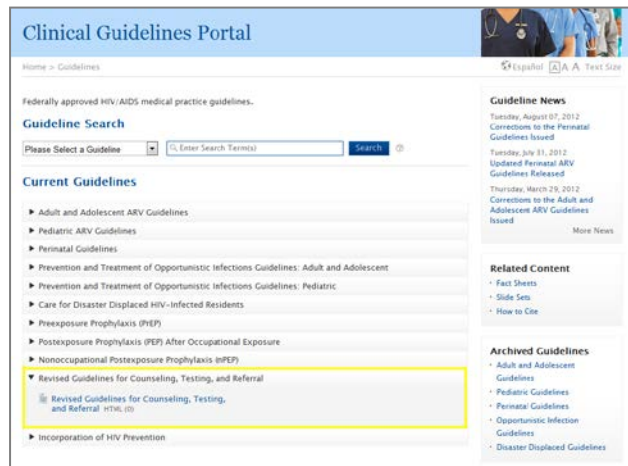
- ▶ Go to aidsinfo.nih.gov
- ▶ Click **Guidelines**



- ▶ Click **Revised Guidelines For Counseling Testing, and Referral**



- ▶ Click **Revised Guidelines for Counseling, Testing, and Referral**



- ▶ Review the document and close the CDC window



Search Exercises

Exercise 1: Conduct a keyword search for initiating antiretroviral therapy in treatment-naïve adults and adolescent patients.

Suggested Solution:

- | | |
|-------|--|
| Type | treatment naïve in the <u>Search</u> box |
| Click | Search |
| Click | Initiating Antiretroviral Therapy in Treatment-Naïve Patients |



Exercise 2: What are the guidelines for incorporating HIV prevention into the medical care of HIV positive patients?

Suggested Solution:

- | | |
|--------|--|
| Click | Guidelines |
| Click | Incorporation of HIV Prevention under <u>Current Guidelines</u> |
| Click | Incorporation of HIV Prevention |
| Review | the guidelines and close the CDC window |

**Exercise 3: Locate the guidelines for nonoccupational exposure to HIV?
View the slide set**

Suggested Solution:

- | | |
|---|---|
| Click | Guidelines |
| Click | Nonoccupational Postexposure Prophylaxis (nPEP) under <u>Current Guidelines</u> |
| Click | Slide Sets HTML |
| Click | Antiretroviral Postexposure Prophylaxis After Sexual, Injection-Drug Use, or Other Nonoccupational Exposure to HIV in the United States in the pop-up window |
|  | The pop-up window opens to the AIDS Education Training Centers (AETC) National Resource Center. |
| Click | <u>Antiretroviral Postexposure Prophylaxis After Sexual, Injection-Drug Use, or Other Nonoccupational Exposure to HIV in the United States PPT [365 KB]</u> and follow the onscreen directions |
| Review | the slides and close the PowerPoint window |
|  | Use the browser's back button return to the Clinical Guidelines Portal. |

Exercise 4: Review the most recent Guidelines News topic. Next, subscribe to the AIDSinfo Weekly E- Newsletter (optional).

Suggested Solution:

- | | |
|--------|---|
| Click | Guidelines |
| Click | the first topic under Guidelines News to the right of the page |
| Review | the information and close the pop-up window or use the browser's back button to return to the Clinical Guidelines Portal |
| Click | E-News at the bottom of the page and follow the on-screen instructions to subscribe to AIDSinfo At-a-Glance |

Exercise 5: Perform a Guideline search of your choice.

Clinical Trials

Exercise 6: Oral candidiasis is a common condition in HIV infected individuals. Are there any clinical trials studying this condition?

Suggested Solution:

- Click **Clinical Trials**
- Type **oral candidiasis** in the Search box
- Click **Search**
- Review a clinical trial of your choice

Exercise 7: Are there any clinical trials researching the effectiveness and safety of Dapivirine in preventing HIV infection in women. Next, display only the studies that are recruiting.

Suggested Solution:

- Click **Clinical Trials**
- Click **Advanced Search**
- Type **prevention** in the Search Term box
- Type **Dapivirine** in the Interventions search box
- Select **Studies with Female Participants** from the Gender pull down menu
- Click **Search**
- Review the clinical trial record(s)
- Select **Studies Seeking New Volunteers** from the Filters Results pull down menu
- Review the clinical trial record(s) and close the ClinicalTrials.gov window

Exercise 8: Are there any Phase 3 clinical trials studying the use of cognitive behavioral therapy in individuals infected with HIV?

Suggested Solution:

- Click **Clinical Trials**
- Click **Advanced Search**
- Type **cognitive behavioral therapy** in the Interventions search box
- Select **Phase 3** in the Phase: search field
- Click **Search**
- Review the clinical trial record(s) and close the ClinicalTrials.gov window

Exercise 9: Using the “Search by Category”, feature locate clinical trials that are studying Long-term Nonprogressers.

Suggested Solution:

- Click **Clinical Trials**
- Click **Long-Term Nonprogressers/Elite Controllers** under Specific Populations
- Review a clinical trial of your choice

Exercise 10: Review the most recent Clinical Trials News topic. Next, review the “What is an HIV/AIDS Clinical Trial” factsheet.

Suggested Solution:

- Click **Clinical Trials**
- Click the first topic under **ClinicalTrials News** to the right of the page
- Review the information and close the pop-up window or use the browser’s back button to return to the HIV/AIDS Clinical Trials Portal
- Click **Education Materials**
- Click **Factsheets**
- Click **What is an HIV/AIDS Clinical Trial.pdf** (43 KB)
- Review the factsheet and close the pop-up window

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

Suggested Solution:

- Click **Clinical Trials**
- Click **Advanced Search**
- Select your **home state** from the State pull down menu
- Click **Search**
- Review the clinical trial record(s) and close the ClinicalTrials.gov window

Drug Category

Exercise 12: The FDA recently approved a generic formulation of Ziagen, a Nucleoside Reverse Transcriptase Inhibitor. What is the generic name?

Suggested Solution:

- Click **Drugs**
- Type **Ziagen** in the Search box under **Search the Drug Database**
- Select **Nucleoside Reverse Transcriptase Inhibitors** from the Drug Class pull-down menu
- Click **Search**
- Review the **Other Names** section

Exercise 13: Using the A-Z Index, review the Spanish fact sheet for Combivir.

Suggested Solution:

- Click **Drugs**
- Click **C** under the A-Z Index
- Click **Combivir**
- Click **Español** to the right of the page under AIDSinfo Drug Database
- Click **English** to return to the AIDSinfo Drug Database

Exercise 14: Truvada has been approved for the prevention of sexually acquired HIV infection PrEP. What are the side effects of taking this drug?

Suggested Solution:

- Click **Drugs**
- Type **Truvada** in the Search box under Search the Drug Database
- Click **Search**
- Review the information in the **Warning** box.

Exercise 15: Are heart problems a side effect of Maraviroc? Use the A – Z Index.

Suggested Solution:

- Click **Drugs**
- Click **M** under the A – Z Index
- Click **Maraviroc**
- Scroll to **What side effects can maraviroc cause?**

Exercise 16: View the list of investigational integrase inhibitors. Review the clinical trial status of one of the investigational drugs.

Suggested Solution:

- Click **Drugs**
- Select from the **integrase inhibitors** Drug Class pull-down menu
- Select **Investigational** from the Approved Status pull-down menu
- Click **Search**
- Click an **investigational integrase inhibitors** of your choice
- Click **research studies** under Where can I get more information about clinical trials studying.....?
- Review the clinical trial record(s) and close the ClinicalTrials.gov window


Exercise 17: The FDA recently approved Complera, a combination drug. What is the mode of delivery and dosing form for Complera?

Suggested Solution:

- Click **Drugs**
- Type **complera** in the Search box under **Search the Drug Database**
- Click **Search**
- Click **FDA-Label - Tablet (film coated)**
- Click **Dosage & Administration**
- Review the **Dosing Information** section


Exercise 18: Review the most recent Drug News topic.

Suggested Solution:

- Click **Drugs**
- Click the first topic under **Drug News** to the right of the page
-  Click **more news** to view archived news topics.

Exercise 19: What is the recommended oral dose of Nevirapine for newborns?

Suggested Solution:

- Click **Drugs**
- Type **nevirapine** in the Search box under **Search the Drug Database**
- Click **Search**
- Click **FDA Label - Suspension; tablet**
-  Detailed drug dosing information is provided only in the health professional version (FDA Label).
- Click **Dosage & Administration** under FDA Drug Labels Section
- Review the information for pediatric patients

Health Topics**Exercise 20: Some HIV infected individuals develop toxoplasmosis what information is available on this condition?**

Suggested Solution:

- Click **HIV/AIDS Health Topics**
- Type **toxoplasmosis** in the Search HIV/AIDS Health Topics search box
- Click **Search**
- Review a topic of your choice

Exercise 21: Use the A-Z Index to locate oral health information.

Suggested Solution:

- Click **HIV/AIDS Health Topics**
- Click **O** under **A-Z Index**
- Click **Oral Health**
- Review a topic of your choice

Exercise 22: Find all HIV/AIDS Statistics.

Suggested Solution:

- Click **HIV/AIDS Health Topics**
- Type **Statistics** in the Search Term box under the **Search HIV/AIDS Topics**
- Click **Search**
- Review record(s) of your choice
- Close the pop-up window or use the browser's **back** button return to the HIV/AIDS Health Topics page

Exercise 23: Locate resources for people who take care of HIV-infected individuals.

Suggested Solution:

- Click **HIV/AIDS Health Topics**
- Click **Specific Populations**
- Click **Caregivers**
- Review a topic of your choice

Education Materials

Exercise 24: Browse the fact sheets.

Suggested Solution:

- Click **Education Materials**
- Click **Fact Sheets**
- Review a fact sheet of your choice

Exercise 25: What is polyneuropathy?

Suggested Solution:

- Click **Education Materials**
- Click **Glossary**
- Type **polyneuropathy** in the Search the Glossary Terms search box
- Click **Search**
- Review the definition

Exercise 26: Locate images of the HIV virus.

Suggested Solution:

- Click **Education Materials**
- Click **Homework Help**
- Review a topic of your choice under **Images**

5

ClinicalTrials.gov

ClinicalTrials.gov

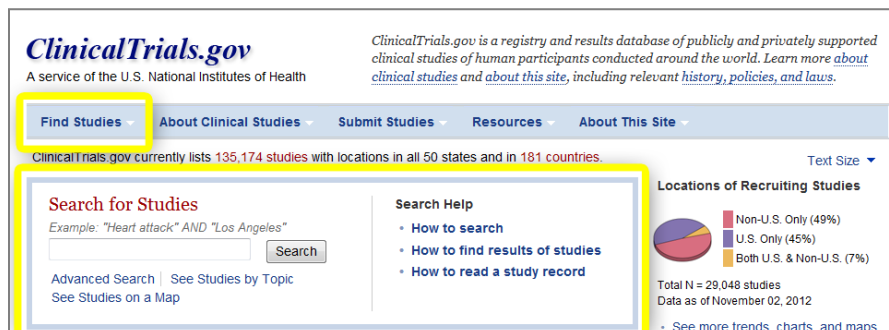
ClinicalTrials.gov is a Web-based resource that provides patients, their family members, health care professionals, researchers, and the public with easy access to information on publicly and privately supported clinical studies on a wide range of diseases and conditions. ClinicalTrials.gov includes information about the trial's purpose, who may participate, locations where trials are held, contact information, and whether or not the trial is recruiting participants. The database currently contains information on more than 135,000 trials with locations in more than 179 countries.



clinicaltrials.gov

Searching ClinicalTrials.gov

ClinicalTrials.gov study search options and search help resources are located on the homepage in the "Search for Studies" area and under "Find Studies". Users can begin a basic search here, go to the advanced search form, or begin browsing for studies by topic or on a world map. Site visitors can also get help with searching, finding studies with summary results posted on ClinicalTrials.gov, and reading study records.

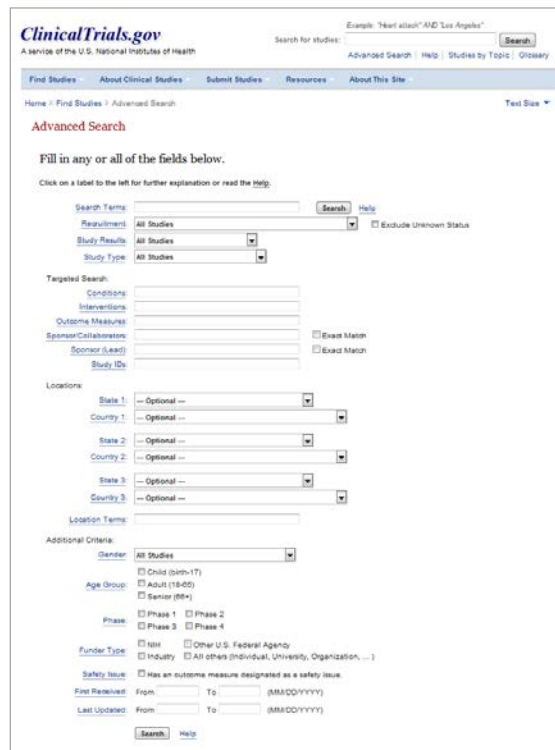


Basic Search - Enter one or more words in the search box labeled Search for studies at the top of each page, the Basic Search page, or on the home page.



Basic Search Screen

Advanced Search - Focus your search by entering or selecting search terms in multiple fields such as recruitment status, specific conditions, recruitment status, age group of participants, study results, and location. Access the Advanced Search link on the home page and at the top of every page under the search box



Advanced Search Screen

Search Results

At the top of the Search Results page, you will see your search terms and the number of studies that were found searching on those terms. Clicking on the "Modify this search" link takes you to the Advanced Search form where you can make changes to your search terms and do another search.

The screenshot shows the ClinicalTrials.gov search results page. At the top, there is a search bar with the text "Example: 'Heart attack' AND 'Los Angeles'" and a "Search" button. Below the search bar, there are navigation links: "Advanced Search", "Help", "Studies by Topic", and "Glossary". A menu bar contains "Find Studies", "About Clinical Studies", "Submit Studies", "Resources", and "About This Site". The breadcrumb trail reads "Home > Find Studies > Search Results". A yellow box highlights the text "20 studies found for: HIV thalidomide" with a link "Modify this search" and "How to Use Search Results". Below this, there are tabs for "List", "By Topic", "On a Map", and "Search Details". There are also options for "Show Display Options", "Download", and "Subscribe to RSS". A list of search filters includes "Include only open studies" and "Exclude studies with unknown status". The main content area shows a table with columns "Rank", "Status", and "Study". Three studies are listed, all with a status of "Completed".

Rank	Status	Study
1	Completed	Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People Condition: HIV Infections Interventions: Drug: Thalidomide; Drug: Thalidomide placebo
2	Completed	Thalidomide for Treatment of Oral and Esophageal Aphthous Ulcers and HIV Viremia in Patients With HIV Infection Conditions: HIV Infections; Stomatitis, Aphthous Intervention: Drug: Thalidomide
3	Completed	Compassionate Use Study of Two Dose Levels of Thalidomide in Adults With HIV Wasting Syndrome Conditions: HIV Infections; HIV Wasting Syndrome Intervention: Drug: Thalidomide

Search Results

The screenshot shows the study record detail page for the study "Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People". The breadcrumb trail reads "Home > Find Studies > Search Results > Study Record Detail". A yellow box highlights the text "Trial record 1 of 20 for: HIV thalidomide" with links for "Previous Study", "Return to List", and "Next Study". The study title is "Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People". A red banner states "This study has been completed." The sponsor is the National Institute of Allergy and Infectious Disease (NIAID). Information provided by NIAID includes the ClinicalTrials.gov Identifier (NCT00053430), first received date (January 29, 2003), last updated date (August 6, 2009), last verified date (August 2009), and a link to "History of Changes". There are tabs for "Full Text View", "Tabular View", "No Study Results Posted", "Disclaimer", and "How to Read a Study Record". The "Purpose" section states: "Despite treatment with anti-HIV drugs, people infected with HIV continue to have problems with their immune systems. This study will evaluate whether the drug thalidomide, which stimulates the immune system's T cells, can improve immune system function in people with HIV." Below the purpose is a table with columns "Condition", "Intervention", and "Phase".

Condition	Intervention	Phase
HIV Infections	Drug: Thalidomide Drug: Thalidomide placebo	Phase 2

Record

Additional Resources

For further information, we recommend these additional resources:

- ▶ [Prescription for Success: Consumer Health on the Web](http://nnlm.gov/training/consumer/prescription)
nnlm.gov/training/consumer/prescription
- ▶ [NLM Consumer Health Databases \(National Network of Libraries of Medicine\)](http://nnlm.gov/training/consumer/nlm_databases)
nnlm.gov/training/consumer/nlm_databases
- ▶ [ClinicalTrials.gov Background Information and Other Consumer Health Information](http://clinicaltrials.gov/ct2/info)
clinicaltrials.gov/ct2/info
- ▶ [ClinicalTrials.gov Online Training](http://nlm.nih.gov/bsd/viewlet/ct/index.html)
nlm.nih.gov/bsd/viewlet/ct/index.html
- ▶ [NLM Clinical Alerts and Advisories](http://nlm.nih.gov/databases/alerts/clinical_alerts.html)
nlm.nih.gov/databases/alerts/clinical_alerts.html


ClinicalTrials.gov Search Exercises

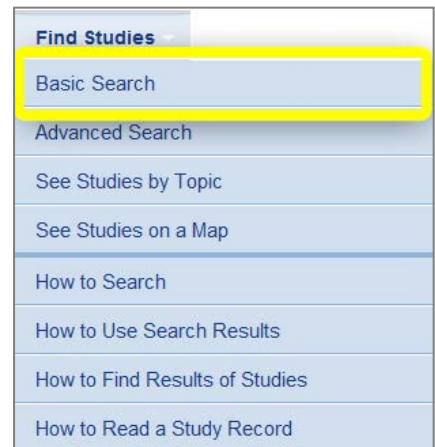
Search Example: Have clinical trials been conducted using Thalidomide to treat HIV related illnesses?

Suggested Solution:

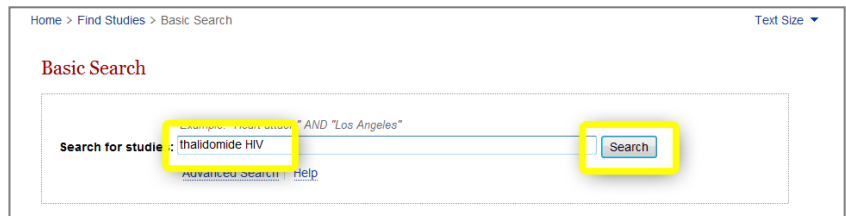
- ▶ Go to **clinicaltrials.gov**
- ▶ Click **Find Studies**



- ▶ Select **Basic Search** from the pull-down menu
- ▶  The search box labeled **Search for studies** can be found at the top of any page on this site, the Basic Search page, or on the home page.



- ▶ Type **thalidomide HIV** in the Search box
- ▶ Click **Search**



- Review record(s) of your choice

19 studies found for: thalidomide HIV
 Modify this search | How to Use Search Results

[List](#) [By Topic](#) [On a Map](#) [Search Details](#)

+ Show Display Options [Download](#) [Subscribe to RSS](#)

Include only open studies Exclude studies with unknown status

Rank	Status	Study
1	Completed	Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People Condition: HIV Infections Interventions: Drug: Thalidomide; Drug: Thalidomide placebo
2	Completed	Thalidomide for Treatment of Oral and Esophageal Aphthous Ulcers and HIV Viremia in Patients With HIV Infection Conditions: HIV Infections; Stomatitis, Aphthous Intervention: Drug: Thalidomide
3	Completed	Compassionate Use Study of Two Dose Levels of Thalidomide in Adults With HIV Wasting Syndrome Conditions: HIV Infections; HIV Wasting Syndrome Intervention: Drug: Thalidomide

- Click **Find Studies** at the top of the page to prepare for the next search

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

Example: "Heart attack" AND "Los Angeles"

[Advanced Search](#) | [Help](#) | [Studies by Topic](#) | [Glossary](#)

[Find Studies](#) | [About Clinical Studies](#) | [Manage Study Records](#) | [Resources](#) | [About Us](#)

Home > [ClinicalTrials.gov](#) > Search Results Text Size ▾

19 studies found for: thalidomide HIV
 Modify this search | How to Use Search Results

[List](#) [By Topic](#) [On a Map](#) [Search Details](#)

+ Show Display Options [Download](#) [Subscribe to RSS](#)

Include only open studies Exclude studies with unknown status

Rank	Status	Study
1	Completed	Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People Condition: HIV Infections Interventions: Drug: Thalidomide; Drug: Thalidomide placebo

Search Exercises

Exercise 1: Locate clinical trials studying oral leukoplakia.

Suggested Solution:

- Click **Find Studies**
- Click **Basic Search**
- Type **oral leukoplakia** in the Search box
- Click **Search** and review record(s) of your choice

Exercise 2: Do any clinical trials focus on the impact of the Human Papillomavirus (HPV) on the immune system?

Suggested Solution:

- Click **Find Studies**
- Click **Advanced Search**
- Type **immune system** in the Search Terms box
- Type **human papillomavirus** in the Conditions box
- Click **Search**
- Review record(s) of your choice

Exercise 3: Is there any evidence that ginger can reduce the risk of developing colorectal cancer?

Suggested Solution:

- Click **Find Studies**
- Click **Advanced Search**
- Type **colorectal cancer** the Conditions box
- Type **ginger** in the Intervention box
- Click **Search** and review record(s) of your choice

Exercise 4: Locate clinical trials that focus on oral health. Next, limit the results to Individuals infected with HIV.

Suggested Solution:

- Click **Find Studies**
- Click **Advanced Search**
- Type **oral health** in the Search Terms box
- Click **Search** and review records(s) of your choice
- Click **Modify this Search**
- Type **HIV** in the Conditions box
- Click **Search** and review records(s) of your choice

Exercise 5: Are there posttraumatic stress disorder clinical trials that include study results?

Suggested Solution:

- Click **Find Studies**
- Click **Advanced Search**
- Select **Studies With Results** from the Study Results pull-down menu
- Type **posttraumatic stress disorder** in the Conditions box
- Click **Search** and review records(s) of your choice

Exercise 6: How many HIV/AIDS clinical trials are funded by NIH and where are they located? View the studies located in your country or region.

Suggested Solution:

- Click **Find Studies**
- Click **Advanced Search**
- Type **hiv aids** in the Conditions box
- Select **NIH** to the right of Funder Type
- Click **Search**
- Click **On a Map**
- Click **your country or region** on the map


Exercise 7: Are there any clinical studies for the drug Ribavirin, which is used to treat Hepatitis C? Next, modify your search results to include only studies that are recruiting.

Suggested Solution:

- Click **Find Studies**
- Click **Advanced Search**
- Type **hepatitis c** in the Conditions box
- Type **ribavirin** in the Intervention box
- Click **Search**
- Review record(s) of your choice
- Click **Modify this search**
- Select **Recruiting** from the Recruitment pull-down menu
- Click **Search** and review record(s) of your choice

Exercise 8: Using the Studies by Topic feature, review clinical trials studying herbal and botanical dietary supplements. Review the records for Saw Palmetto.

Suggested Solution:

- Click **Find Studies**
- Click **See Study by Topics**
- Click **By Category** under Dietary Supplements in the table of contents
- Click **Herbal and Botanical**
-  Click **See all** to display additional dietary supplements.
- Click **Saw Palmetto**
- Review record(s) of your choice

Exercise 9: What should people consider before participating in a Clinical Trial? Next, review the definition of observational study.

Suggested Solution:

- Click **About Clinical Studies**
- Click **Learn About Clinical Studies**
- Click **Considerations for Participation** under Contents
- Review the information
- Click **Glossary** at the top of the page under the Search box
- Click **O**
- Review the definition of **observational study**

Exercise 10: What is a human subjects review board and protocol?

Suggested Solution:

- Click **Glossary** under the Search for Studies
- Click **H**
- Review the definition of a **human subjects review board**
- Click **TO TOP**
- Click **P**
- Review the definition of a **Protocol**

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6

MedlinePlus

MedlinePlus

MedlinePlus is NLM answer to consumer friendly, authoritative health information. It contains health information especially written for consumers and patients by the National Institutes of Health and other trusted sources. MedlinePlus contains information on health topics, lists of hospitals and physicians, extensive information on prescription and non-prescription drugs, interactive tutorials on many health conditions, links to articles on the latest health news, health information in more than forty languages, and much more.

The screenshot shows the MedlinePlus website interface. At the top, the logo reads "MedlinePlus® Trusted Health Information for You" and "A service of the U.S. National Library of Medicine NIH National Institutes of Health". A search bar is located on the right with a "GO" button. Below the search bar is a navigation menu with "About MedlinePlus", "Site Map", "FAQs", "Contact Us", and "ESPAÑOL".

The main content area features a large banner for "Meal Planning & Diabetes" with the subtext "Find recipes and advice on MedlinePlus" and a photograph of three women in a kitchen. Below this banner are three green navigation buttons: "→ Health Topics", "→ Drugs & Supplements", and "→ Videos & Cool Tools".

On the left side, there is a "MEDICAL DICTIONARY" section with a search box and a "GO" button. Below it is a "POPULAR SEARCHES" section listing terms like arthritis, aspirin, diabetes, and hypertension. Further down is a "FEATURED SITE" section with a clock icon and the text "A good night's sleep is important!".

The central "About Your Health" section has tabs for "General", "Seniors", "Men", "Women", and "Children". It lists various health topics such as Back Pain, COPD, Depression, Diabetes, and Exercise and Physical Fitness. Below this is a "NIHSeniorHealth" section with a "Clinical Trials" tab and a photo of three people on a bicycle.

On the right side, there is a "Health News" section with a "Date" dropdown and a list of news items, including "AHRQ Patient Safety Project Reduces Bloodstream Infections by 40 Percent". Below the news is a "Stay Connected" section with an email sign-up form and a "GO" button. At the bottom right, there are buttons for "MAGAZINE", "EASY TO READ", and "MULTIPLE LANGUAGES".

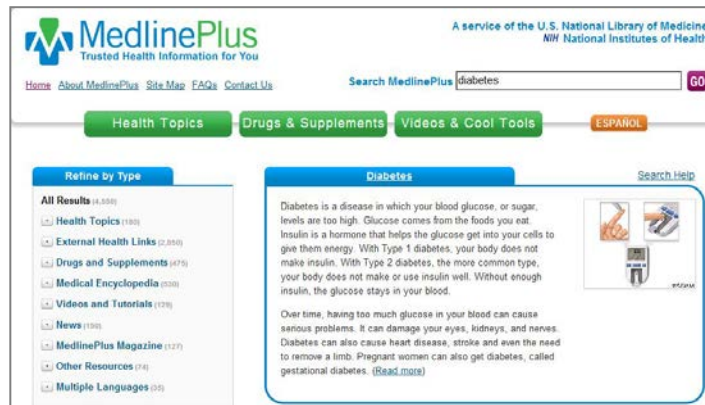
medlineplus.gov

Features

- ▶ Easy-to-read language
- ▶ Easy-to-navigate pages
- ▶ New links added daily
- ▶ No advertising or endorsements
- ▶ Latest health news
- ▶ Spanish version: medlineplus.gov/spanish

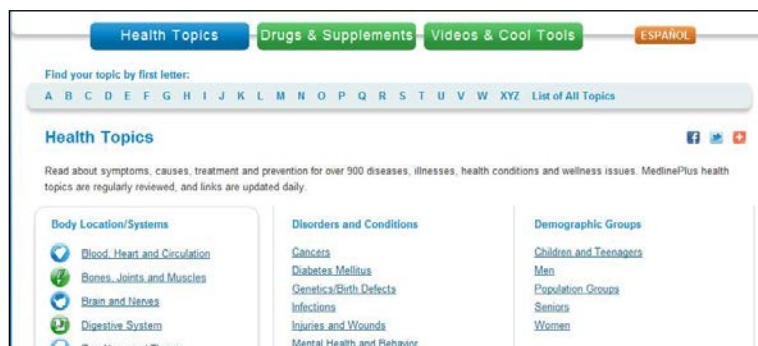
Searching MedlinePlus

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



Browsing MedlinePlus

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



Stay Connected



Mobile Version

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



GET E-mail Updates

E-mail announcements contain links to new topics and sites on MedlinePlus along with other notices. You can sign up to receive general e-mails covering all health topics, or you can sign up to receive e-mails about specific topics. **nlm.nih.gov/medlineplus/listserv.html**



Subscribe to RSS

Really Simple Syndication (RSS) provides notification when new content, press announcements and health news articles are published on MedlinePlus. **nlm.nih.gov/medlineplus/rss.html**



Follow us on Twitter

Twitter provides MedlinePlus users with short, timely, and instantly updated health news and information. Join and follow at: **twitter.com/medlineplus**

Additional Resources

For further information, we recommend these additional resources:

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

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MedlinePlus Search Exercises

Search Example: Using the alphabetical list of health topics, review the MedlinePlus AIDS page and locate general information about HIV/AIDS.

Suggested Solution:

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



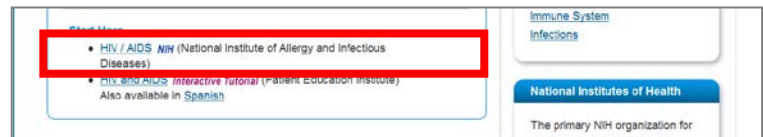
- ▶ Click **A** under Find your topic by first letter



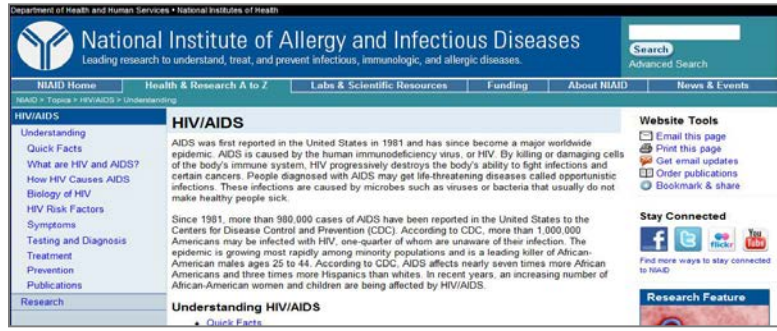
- ▶ Click **AIDS** see **HIV/AIDS** from the alphabetical list of topics



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



- ▶ Review the information and close the NIH window



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



Search Exercises

Health Topics

Exercise 1: Using the MedlinePlus search box, locate information on caregiver stress.

Suggested Solution:

- | | |
|--------|---|
| Type | caregiver stress in the <u>Search MedlinePlus</u> search box |
| Click | Go |
| Click | a topic of interest to you |
| Review | the information retrieved and close the pop-up window |

Exercise 2: Using the alphabetical list of health topics, review the MedlinePlus Dental Health page and locate patient handouts for adult dental care.

Suggested Solution:

- | | |
|--------|---|
| Click | Health Topics |
| Click | D under <u>Find your topic by first letter</u> |
| Click | Dental Health from the alphabetical list of topics |
| Review | the information |
| Click | Patient Handouts under <u>For You</u> |

Exercise 3: Find information about HIV/AIDS and seniors. Next, review the MedlinePlus magazine HIV/AIDS articles.

Suggested Solution:

- Click **Health Topics**
- Click **A** under Find your topic by first letter
- Click **AIDS see HIV/AIDS** from the alphabetical list
- Click **Seniors** under For You
- Click **Older People and HIV (New Mexico AIDS Education and Training Center)** under Seniors
- Close the AIDS InfoNet window and return to the MedlinePlus page
- Click **MedlinePlus Magazine** under For You
- Review an article(s) of your choice

Exercise 4: Using the alphabetical list of health topics, search for information on H1N1 Flu (Swine Flu). Locate a flu clinic in your community.

Suggested Solution:

- Click **Health Topics**
- Click **H** under Find your topic by first letter
- Click **H1N1 (Swine Flu)** from the alphabetical list
- Review the information retrieved
- Click **Directories** under Reference Shelf
- Click **Flu Clinic Locator** (American Lung Association) under Directories and follow the onscreen directions
- Review the information retrieved and close the pop-up window

Exercise 5: Using the alphabetical list of health topics, locate information on issues to consider before using an alternative medicine therapy.

Suggested Solution:

- Click **Health Topics**
- Click **A** under Find your topic by first letter
- Click **Complementary and Alternative Medicine** from the alphabetical list
- Click **Be an Informed Consumer** NIH (National Center for Complementary and Alternative Medicine) under Start Here
- Review the information retrieved and close the pop-up window

Review the additional information on the MedlinePlus Complementary and Alternative Medicine page

Exercise 6: Find health information for diverse population groups.

Suggested Solution:

Click **Health Topics**
 Click **Population Groups** under Demographic Groups
 Select the population group of your choice

Drugs & Supplements

Exercise 7: What are the known side effects of Gardasil®, the human papillomavirus (HPV) vaccine? At what age should the vaccine be given?

Suggested Solution:

Click **Drugs & Supplements**
 Click **G** under Browse by generic or brand name
 Click **Gardasil see Human Papillomavirus (HPV) Vaccine (Gardasil)**
 Click **What are the risks from this vaccine**
 Click **Who should get HPV vaccine and when**

Exercise 8: I read that Naltrexone is showing promise as an effective Methamphetamine (Crystal Meth) addiction treatment. What is Naltrexone and why is it used for Crystal Meth addiction treatment?

Suggested Solution:

Click **Drugs & Supplements**
 Click **N** under Browse by generic or brand name
 Click **Naltrexone**
 Click **Why is this medication prescribed?**


Exercise 9: Is Vitamin A supplement possibly effective for reducing the complications of HIV?

Suggested Solution:

- Click **Drugs & Supplements**
- Click **All herbs and supplements**
- Click **V**
- Click **Vitamin A**
- Click **How effective is it?**


Exercise 10: People living with HIV/AIDS commonly use the following herbs: Astragalus, Cat's Claw, Golden Seal, Propolis, and Tea Tree Oil. What is the scientific evidence for use of these drugs? Can these supplements interfere with prescribed medications?

Suggested Solution:

- Click **Drugs & Supplements**
- Click **All herbs and supplements**
- Click **Astragalus NIH (National Center for Complementary and Alternative Medicine (NCCAM)) in the alphabetical list**
- Click **What the Science Says**
- Review the information under **Side Effects and Cautions.**
- Close the NCCAM window and return to the MedlinePlus **Herbs and Supplements** page
-  Repeat these steps for: Cat's Claw, Golden Seal, Propolis, and Tea Tree Oil.

Exercise 11: E-mail the HIV/AIDS Medicines page to a client or colleague. Also register to receive HIV/AIDS Medication updates by E-mail (optional).

Suggested Solution:

- Click **Drugs & Supplements**
- Click **AIDS Medicines** under Related Topics
- Review the content on the page
- Click the **E-mail icon** () and follow the onscreen instructions
- Close the pop-up window and return to the HIV/AIDS Medicines page
- Type your e-mail address in the **Get HIV/AIDS Medicines updates by e-mail** box
- Click **Go** and follow the onscreen directions

Videos & Cool Tools


Exercise 12: My doctor has ordered a bronchoscopy to determine if I have pneumocystis carinii pneumonia (PCP). What does this procedure involve? View the bronchoscopy interactive tutorial.

Suggested Solution:

- Click **Videos & Cool Tools**
- Click **Interactive Tutorials**
- Click **Bronchoscopy** under Tests and Diagnostic Procedures
- Click **Start Interactive Tutorial** and follow the instructions
- Close the tutorial window and return to the **Interactive Health Tutorials** page

Exercise 13: Is there a simple way to explain the body's immune response to HIV and other diseases?

Suggested Solution:

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

Exercise 14: Are there multimedia resources that demonstrate good oral hygiene practices?

Suggested Solution:


- Click **Videos & Cool Tools**
- Type **oral hygiene** in the Search all Videos & Tutorials box at the bottom of the page under View latest news
- Click **Go**
- Click a video or tutorial of your choice and follow the onscreen instructions



The videos open in a second window. If you have a pop-up blocker, you will need to disable it to view the programs.

Exercise 15: Assess your risk for contracting Hepatitis C?

Suggested Solution:

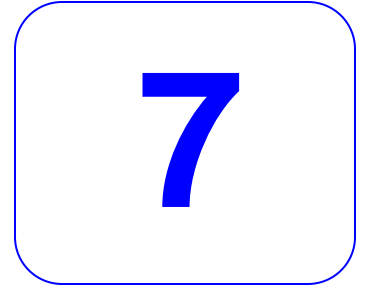
- Click **Videos & Cool Tools**
 - Click **All calculators and quizzes** to the right under Calculators & Quizzes
 - Click **H** in the alphabetical listing
 - Click **Hepatitis Risk Assessment** (Centers for Disease Control and Prevention under Hepatitis C and follow the onscreen instructions
-  The quizzes open in a second window. If you have a pop-up blocker, you will need to disable it to view the programs.
- Close the pop-up window and return to the **Health Check Tools** page

Exercise 16: Using the Medical Encyclopedia, locate an illustration depicting Kaposi's sarcoma.

Suggested Solution:

- Click **Medical Encyclopedia** at the bottom of the home page
- Click **K** under Browse by first letter of topic
- Click **Kaposi's sarcoma** from the alphabetical list
- Click the graphic of your choice under **Images**

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PubMed/MEDLINE

PubMed/MEDLINE

PubMed is a database developed by the National Center for Biotechnology Information (NCBI) at the National Library of Medicine and is available free on the Web. PubMed provides free access to **MEDLINE**, NLM premier bibliographic database containing citations and author abstracts from various biomedical journals published in the United States and worldwide. PubMed also provides access to citations for selected articles in life science journals not included in MEDLINE and additional relevant Web sites and links to molecular biology resources. The scope of MEDLINE includes such diverse topics as microbiology, delivery of health care, nutrition, pharmacology, and environmental health.

The screenshot displays the PubMed homepage with the following elements:

- Header:** NCBI Resources | How To | My NCBI Sign In
- Search Bar:** PubMed | Search | Advanced | Help
- Main Content:**
 - PubMed Tools:** PubMed Mobile, Single Citation Matcher, Batch Citation Matcher, Clinical Queries, Topic-Specific Queries
 - More Resources:** MeSH Database, Journals in NCBI Databases, Clinical Trials, E-Utilities, LinkOut
 - Using PubMed:** PubMed Quick Start Guide, Full Text Articles, PubMed FAQs, PubMed Tutorials, New and Noteworthy
- Footer:** You are here: NCBI > Literature > PubMed | Write to the Help Desk
- Resource Grid:**

GETTING STARTED	RESOURCES	POPULAR	FEATURED	NCBI INFORMATION
NCBI Education	Chemicals & Bioassays	PubMed	Genetic Testing Registry	About NCBI
NCBI Help Manual	Data & Software	Nucleotide	PubMed Health	Research at NCBI
NCBI Handbook	DNA & RNA	BLAST	GenBank	NCBI Newsletter
Training & Tutorials	Domains & Structures	PubMed Central	Reference Sequences	NCBI FTP Site
	Genes & Expression	Gene	Map Viewer	NCBI on Facebook
	Genetics & Medicine	Bookshelf	Human Genome	NCBI on Twitter
	Genomes & Maps	Protein	Mouse Genome	NCBI on YouTube
	Homology	OMIM	Influenza Virus	
	Literature	Genome	Primer-BLAST	

pubmed.gov

PubMed Homepage

The PubMed homepage includes a NCBI Header, Search Bar, and Footer that are common to all PubMed pages. The **NCBI Header** includes a NCBI Resources pull-down menu categorized by topic, a How To menu, and the Sign In for My NCBI. The **Search Bar** has the database selection menu, and includes a link to **Advanced search** and **Help**. Additional Search bar selections, RSS, and Save search, display after running a PubMed search. Popular tools and resources are under **PubMed Tools** (e.g., the Single Citation Matcher, Clinical Queries, and Topic-Specific Queries) and **More Resources** (e.g., MeSH Database, Journals Database, and Clinical Trials). The **Footer** includes links to many NCBI resources.

Searching PubMed

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

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

Filters Sidebar

Narrow your search results using the **Filters** option. The Filter option sidebar will appear to the left of your results. To add additional filter categories to the sidebar, click the “Show additional filters” link, select the additional categories, and then click Show. To add filters to the sidebar for categories with many selections, click the category “more ...” link. Multiple Filters may be selected. A “Filters Activated” message will appear above the search results list. Filters remain in effect until removed. To deselect a filter, click the filter name again. To clear all of your Filters selections, click **Clear all**.

The screenshot shows the PubMed search results page for the query "diabetes". The page includes a search bar at the top with the query "diabetes" and a "Search" button. Below the search bar, there are options for "RSS", "Save search", and "Advanced". The main content area displays a list of search results, with the first result being "Improved Metabolic Control in Diabetes, HSP60, and Proinflammatory Mediators" by Blasi C, Kim E, Knowlton AA, published in *Autoimmune Dis.* 2012;2012:346501. The page also features a sidebar on the left with various filter options such as "Text availability", "Publication dates", "Species", "Article types", and "Languages". On the right side, there are sections for "Results by year" (a bar chart), "Related searches" (including "type 1 diabetes", "gestational diabetes", etc.), "Titles with your search terms", and "39446 free full-text articles in PubMed Central".

Advanced Search

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

NCBI Resources How To My NCBI Sign In

PubMed Home More Resources Help

PubMed Advanced Search Builder YouTube Tutorial

Use the builder below to create your search

[Edit](#) [Clear](#)

Builder

All Fields | [Show index list](#)

AND All Fields [Show index list](#)

[Search](#) or [Add to history](#)

History [Clear history](#)

There is no recent history

Search Results

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

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

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

My NCBI

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

Ordering Documents

NLM Loansome Doc is an automated document ordering program that allows PubMed users to order the full text of an article from a participating library. Before an order can be placed, and before a user can register, all Loansome Doc users must first establish an agreement with a library that uses DOCLINE[®] (NLM automated interlibrary loan request and referral system). Users who are unsure about which library to contact may obtain assistance from the Regional Medical Library (RML) in their area by calling 1.800.338.7657, Monday-Friday, 8:30 AM - 5:00 PM in all time zones. To register with Loansome Doc go to <https://docline.gov/loansome/login.cfm>. During the online registration process, you will create a user account with your name, address, e-mail, and ordering preference.

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

Stay connected



PubMed Mobile

PubMed Mobile provides a simplified mobile friendly Web interface to access PubMed. It includes the same basic search functionality and content as Standard PubMed; that is, all search terms and fields work similarly. ncbi.nlm.nih.gov/m/pubmed



PubMed for Handhelds

A Web site for searching MEDLINE with the Web browser of any mobile device.
pubmedhh.nlm.nih.gov



E-mail Updates

Sign up for the NLM Technical Bulletin and receive a **once daily** e-mail alert if an article is published or updated. service.govdelivery.com/service/subscribe.html?code=USNLMTB_1



Subscribe to PubMed RSS

PubMed New and Noteworthy will notify subscribers of enhancements to the PubMed, Journals, and MeSH databases.

ncbi.nlm.nih.gov/feed/rss.cgi?ChanKey=PubMedNews

PubMed-Alerts an announcement-only list that will notify subscribers of major system problems with PubMed.

list.nih.gov/cgi-bin/wa.exe?SUBED1=pubmed-alerts&A=1

PMC News - Changes and new journals in PMC.

ncbi.nlm.nih.gov/feed/rss.cgi?ChanKey=PMCNews

Additional Resources

For further information, we recommend these additional resources:

- ▶ [Non-English Guides to PubMed](http://nmlm.gov/training/resources/intlpubmedlinks.html)
nmlm.gov/training/resources/intlpubmedlinks.html
- ▶ [PubMed Online Training](http://nlm.nih.gov/bsd/disted/pubmed.html)
nlm.nih.gov/bsd/disted/pubmed.html
- ▶ [PubMed Help \(An online Help book\)](http://ncbi.nlm.nih.gov/books/NBK3830)
ncbi.nlm.nih.gov/books/NBK3830
- ▶ [PubMed Tutorial](http://nlm.nih.gov/bsd/disted/pubmedtutorial/index.html)
nlm.nih.gov/bsd/disted/pubmedtutorial/index.html
- ▶ [PubMed Update \(Video\)](https://webmeeting.nih.gov/p64259100/)
<https://webmeeting.nih.gov/p64259100/>
- ▶ [PubMed Quick Tour: Simple Subject Search](http://nlm.nih.gov/bsd/viewlet/search/subject/subject.html)
nlm.nih.gov/bsd/viewlet/search/subject/subject.html
- ▶ [PubMed Quick Tour: Search for an Author](http://nlm.nih.gov/bsd/viewlet/search/author/author.html)
nlm.nih.gov/bsd/viewlet/search/author/author.html
- ▶ [CAM \(Complementary and Alternative Medicine\) on PubMed](http://nmlm.gov/training/consumer/cam/cam-pubmed.pdf)
nmlm.gov/training/consumer/cam/cam-pubmed.pdf
- ▶ [Getting Started with LinkOut \(National Network of Libraries of Medicine\)](http://nmlm.gov/training/linkout)
nmlm.gov/training/linkout

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MEDLINE and MedlinePlus: What is the Difference?

MEDLINE is the National Library of Medicine (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 citations and abstracts. Most of the articles found in MEDLINE are very technical and written for health care professionals. MEDLINE is available free through the NLM 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 various 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 resource:

PubMed/MEDLINE	MedlinePlus
Database	Directory
Journal citations	Selected links to Web resources
Professional biomedical literature	Web resources with authoritative health information
Health professionals	Patients, families, and consumers
Clinical terminology	Easy-to-understand language
Searchable database	Browse and search
Value added: <ul style="list-style-type: none"> • Can be searched for free • Selected full-text articles • Links to some full-text journal articles via publishers' Web pages • Selected consumer health journals • Links to MedlinePlus • Topic-specific queries • Advanced search builder 	Value added: <ul style="list-style-type: none"> • Drug information • Medical encyclopedia • Links to other Web resources • Link to MEDLINE searches • Spanish version • Surgery videos • Multiple languages

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PubMed/MEDLINE Search Exercises

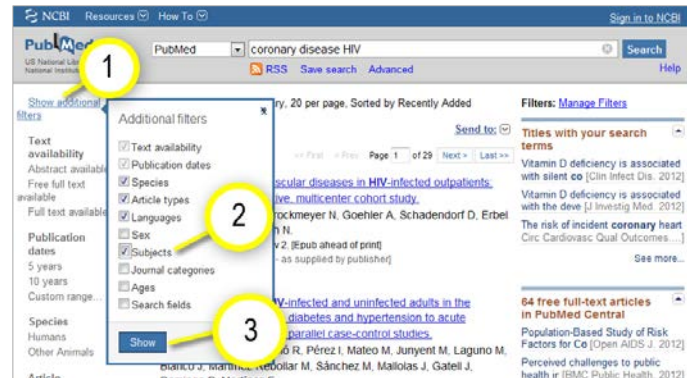
Search Example: What information has been written about the correlation between coronary disease and HIV/AIDS?

Suggested Solution:

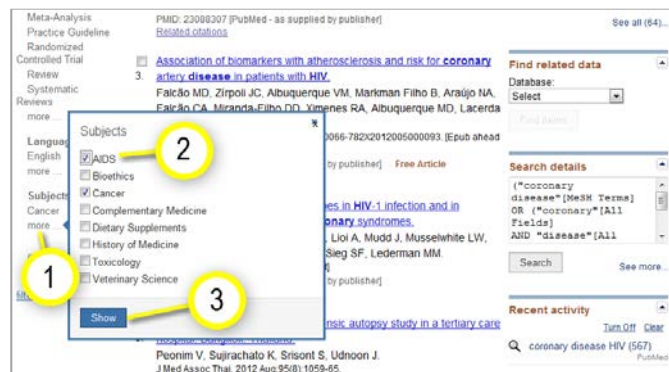
- ▶ Go to **pubmed.gov**
- ▶ Type **coronary disease HIV** in the Search box
- ▶ Click **Search**



- ▶ Click **Show additional filters**
- ▶ Select **Subjects** from the Additional filters
- ▶ Click **Show**




- ▶ Select **more..** under Subjects
- ▶ Select **AIDS** from the Subjects box
- ▶ Click **Show**




- ▶ Click **AIDS**

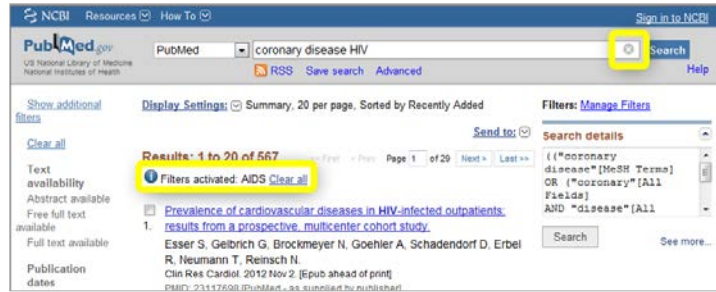


 Active Filters appear above the search results.

- ▶ Review the citation(s) retrieved

 To remove your filter selection click **Clear all** next to the activated filter.



- ▶ Click the **Clear input** (⊗) button to the right in the search box to prepare for the next search



Search Exercises



Exercise 1: Locate citations on the role of social media in HIV prevention.

Suggested Solution:

- | | |
|---|---|
| Type | social media HIV in the <u>Search</u> box |
| Click | Search |
| Click | Show Additional filters |
| Select | Subjects in the <u>Additional filters</u> pop-up box |
| Click | Show |
| Select | AIDS under <u>Subjects</u> |
|  | Active Filters appear above the search results. |
| Review | the citation(s) retrieved |
| Click | the Clear input (⊗) button in the search box to prepare for the next search |
|  | The Filters Activated message is still displayed. Future searches will be limited to the AIDS subset of PubMed until the filter is cleared. |


Exercise 2: Is the H1N1 (Swine Flu) vaccine safe for individuals with HIV?

Suggested Solution:

- Type **h1n1 vaccine** in the Search box
- Click **Search**
- Click **AIDS** under Subjects
-  Active Filters appear above the search results.
- Review the citation(s) retrieved
- Click the **Clear input** () button to the right in the search box to prepare for the next search


Exercise 3: Locate articles that discuss Hepatitis C and HIV coinfection.

Suggested Solution:

- Type **hepatitis C HIV coinfection** in the Search box
-  the **Filters Activated** message is still displayed. You are still searching the AIDS subset of PubMed.
- Click **Search**
- Review citation(s) retrieved

Exercise 4: Locate articles that discuss whether pre-exposure prophylaxis (PrEP) can reduce a woman’s risk of becoming infected with HIV. Review related citations.

Suggested Solution:

- Type **pre-exposure prophylaxis** in the Search box
- Click **Search**
- Click **Show additional filters**
- Select **Sex** and click Show
- Click **Female** under Sex
- Review the citation(s) and **Related citations**
-  To remove a specific filter selection click **clear** next to it.


Exercise 5: Find articles that discuss pain management in HIV patients with peripheral neuropathy. Sort the results by publication date.

Suggested Solution:

Type	pain management peripheral neuropathy in the <u>Search</u> box
Click	Search
Click	Display Settings and select <u>Pub Date</u> under Sort by
Click	Apply
Review	the citation(s) retrieved


Exercise 6: Locate articles that discuss taking nevirapine for the prevention of mother-to-child HIV transmission. Limit retrieval to articles written in English and published in the past five years.

Suggested Solution:

Type	nevirapine mother child transmission in the <u>Search</u> box
Click	Search
Click	5 years under <u>Publication Date</u>
Select	English under <u>Language</u>
Review	the citation(s) retrieved
	To remove a specific filter selection click clear next to it.

Exercise 7: 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	cytomegalovirus retinitis foscarnet ganciclovir in the <u>Search</u> box
	Note that the Limits Activated portal is still displayed. You must clear the filters you do not want for this search.
Click	Search
Click	Show Additional filters
Select	Ages and click <u>Show</u>
Click	Child: Birth-18 years under <u>Ages</u>
Click	Search
Review	the citation(s)


Exercise 8: Locate an article written by J. Wooster titled “Opening Up Their Doors: Perspectives on the Involvement of the African American Faith Community in HIV Prevention in Four Communities.”

Suggested Solution:

- Click **Advanced**
- Type **African American faith** in the Search box
- Select **Author** from the Search Builder pull-down menu
- Type **wooster j** in the Author search box
- Click **Add to Search Box**
- Click **Search**
- Review the citation

Exercise 9: 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 **cultural competency** in the Search box
- Click **Search**
- Click the **checkbox** to the left of a record of your choice
- Select **E-mail** from the Send to: pull-down menu
- Select **Abstract (text)** from the Format pull-down menu
- Type your e-mail address in the **E-mail** box
- Click **E-mail**
-  A confirmation e-mail sent message will be displayed above the results.

Exercise 10: Using PubMed Central, locate free full-text articles that discuss improved adherence to HAART.

Suggested Solution #1:



- Select **PMC** from the Search pull-down menu to the left of the search box
- Type **improved adherence haart** in the Search box
- Click **Search**
- Review the citation(s) and full text article(s)
- Click **PubMed** at the bottom of the page under Popular

Suggested Solution #2:

- Click **PubMed Central** at the bottom of the homepage under Popular
- Type **improved adherence haart** in the Search box
- Click **Search**
- Review the citation(s) and full text article(s)
- Click **PubMed** at the bottom of the page under Popular

Exercise 11: Set up a My NCBI user account and conduct a search for journal articles discussing structured antiretroviral therapy interruption.

Suggested Solution:

- Click **My NCBI** at the top right of the PubMed page
- Click **Register for an account**
- Follow the directions for setting up a username and password
-  Clicking the “Keep me signed in” checkbox will create a permanent cookie so that My NCBI will be indefinitely available on your computer without signing in again.
- Click **PubMed** in the list of databases at the top of the page
- Type **structured antiretroviral therapy interruption** in the Search box
- Click **Search**
- Click **Save Search** at the top of the screen above the search box
- Click **Save**
- Select the email update scheduling settings of your choice (optional)
- Click **Save**
-  A confirmation e-mail sent message will be displayed above the results.


Saving and Printing Records in PubMed

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

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

Saving Entire Search Results


- ▶ Click **Send to:** [File](#) to select your formatting and sorting preferences

 The default for the File feature is to save the entire retrieval—up to 5,000 items— unless you specifically select citations. For example, if you use the **Send to:** [File](#) feature on a screen displaying 1-20 items of 2,356, your saved file will contain all 2,356 citations.


- ▶ Click **Create File**

Saving Selected Citations from a Single Search

- ▶ Click the check box next to each citation you want to save

 You can move to other pages within the search results to make more selections.


- ▶ Click **Send to:** [File](#) to select your formatting and sorting preferences




 Saving a large retrieval may take several minutes. To save citations in html format, use the Save As function of your browser, and change the file extension to html. This will save only the citations displayed on the screen, so you may wish to consider changing the number of items per page from the Display Settings.

- ▶ Click **Create File**

Using the Clipboard

- ▶ Click the check box next to each citation you want to send to the Clipboard, select [Clipboard](#) from the **Send to:** pull-down menu. Click Add to Clipboard and those items selected will automatically be saved to the clipboard

 Once you have added a citation to the Clipboard, the item will display a note, "Item in clipboard" beneath the selected citation.

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

#0 AND English [la]

- ▶ This does not affect or replace the Clipboard contents

E-mailing Citations

- ▶ Select E-mail from the **Send to:** menu
- ▶ Select your formatting and sorting preferences
- ▶ Select the number to send (if sending more than the first 20 records)
- ▶ Enter an e-mail address

 Only one is permitted, to prevent spam.


- ▶ Add additional text if you wish
- ▶ Click E-mail

Using My Bibliography

- ▶ Click the check box next to each citation you want to send to “My Bibliography,” select **My Bibliography** from the Send to: pull-down menu. Click **Add to My Bibliography** and follow the onscreen directions to add the selected items.

Using the Collections Feature



- ▶ Click the check box next to each citation you want to send to the Collections, select **Collections** from the Send to: pull-down menu. Click **Add to Collections** and follow the onscreen directions to add the selected items.

 Collections are stored indefinitely and can continue to be built over time. There is no limit to the number of collections a user may store in My NCBI.

Ordering Full-text Articles


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

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

-  You may use the Clipboard to collect items from multiple searches before ordering.
-  For some journals, full-text articles are available via a PubMed link to the publisher's Web site. Publisher links for the full-text of the article are displayed on the Abstract or Citation display. LinkOut is a PubMed feature that links to outside sources for the full text of the article (e.g., a publisher's Web site), as well as other resources such as biological databases and sequencing centers. User registration, a subscription fee, or some other type of fee may be required to access full-text articles in some journals.


Exporting Citations into a Reference Manager Program

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

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

Printing Your Search Results

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

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

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8

Partners in Information Access for the Public Health Workforce

Partners in Information Access for the Public Health Workforce

Partners in Information Access for the Public Health Workforce is a collaboration of U.S. government agencies, public health organizations, and health sciences libraries dedicated to providing timely, convenient access to selected public health resources on the Internet. Their mission is to help the public health workforce find and use information effectively to improve and protect the public's health.

phpartners.org

The Partners

- ▶ Agency for Healthcare Research and Quality (AHRQ)
- ▶ American Public Health Association (APHA)
- ▶ Association of Schools of Public Health (ASPH)
- ▶ Association of State and Territorial Health Officials (ASTHO)
- ▶ Centers for Disease Control and Prevention (CDC)
- ▶ Health Resources and Services Administration (HRSA)
- ▶ Medical Library Association (MLA)
- ▶ National Agricultural Library (NAL)
- ▶ National Association of County and City Health Officials (NACCHO)
- ▶ National Association of Local Boards of Health (NALBOH)
- ▶ National Library of Medicine (NLM)
- ▶ National Network of Libraries of Medicine (NN/LM)
- ▶ Public Health Foundation (PHF)
- ▶ Society for Public Health Education (SOPHE)

Content

The **PHP** Web site provides links to information on specific topics. Public health topics, which can be selected from **Public Health Topics** pull-down menu, are Bioterrorism, Dental Public Health Environmental Health, HIV/AIDS, How to Access Journal Articles, Nutrition, Obesity, Public Health Genomics, Veterinary Public Health, and Workforce Development.

Main Topics linked on the home page are Health Promotion and Health Education, Literature and Guidelines, Health Data Tools and Statistics, Grants and Funding, Education and Training, Legislation and Policy, Conferences and Meetings, Finding People, Discussion, E-mail Lists, and Jobs and Careers.

Links to **Latest News** items can be found on the home page. Links are also provided to partner-supported initiatives, including the Public Health Information and Data Tutorial and Training Manual, the Healthy People 2020 Information Access Project, the Resource Guide for Public Health Preparedness, and the CPH (Certified for Public Health) Study Guide.

Stay Connected



[Subscribe to RSS](#)

Really Simple Syndication (RSS) provides notification when new links and public health news items are added to **PHPartners.org**. phpartners.org/rss_php伙伴们.xml



[Get E-mail Updates](#)

Subscribe to the PHPARTNERS_LINK list to receive the weekly announcement-only list of new resources. list.nih.gov/cgi-bin/wa.exe?SUBED1=phpartners_link&A=1

Additional Resources

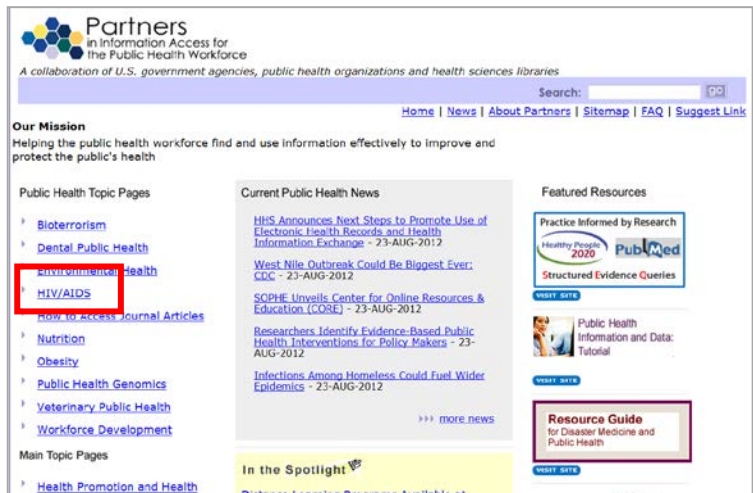
For further information, we recommend these additional resources:

- ▶ [Partners in Information Access for the Public Health Workforce Fact Sheet](http://nlm.nih.gov/nno/partners.html)
nlm.nih.gov/nno/partners.html
- ▶ [Public Health Information and Data Tutorial](http://phpartners.org/tutorial/index.html)
phpartners.org/tutorial/index.html
- ▶ [Public Health Information and Data: A Training Manual](http://phpartners.org/phpmanual.html)
phpartners.org/phpmanual.html

Public Health Partners Search Exercises

Search Example: Find resources for state HIV/AIDS statistics.

- ▶ Go to phpartners.org
- ▶ Select **HIV/AIDS** under Public Health Topics Pages



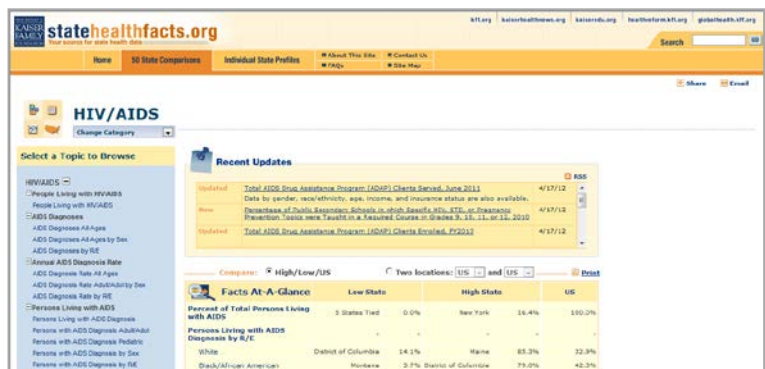
- ▶ Click **Health Data Tools and Statistics** in the list of topics under HIV/AIDS



- ▶ Click **State Health Facts: HIV/AIDS**



- ▶ Use the browser's **Back** button to return to the Public Health Partners (PHP) Web site




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

The screenshot shows the Public Health Partners website. At the top, there is a navigation bar with a search box and several links: Home, News, About Partners, Sitemap, FAQ, and Suggest Link. The 'Home' link is highlighted with a red box. Below the navigation bar, the 'Our Mission' section states: 'Helping the public health workforce find and use information effectively to improve and protect the public's health'. The main content area is divided into three columns: 'Public Health Topic Pages' with a list of links including Bioterrorism, Dental Public Health, Environmental Health, HIV/AIDS, How to Access Journal Articles, Nutrition, Obesity, Public Health Genomics, Veterinary Public Health, and Workforce Development; 'Current Public Health News' with several news items dated 23-AUG-2012; and 'Featured Resources' with links to 'Practice Informed by Research', 'Public Health Information and Data Tutorial', and 'Resource Guide for Disaster Medicine and Public Health'.

Search Exercises


Exercise 1: Using the search box find information on the Healthy People 2020 initiative.

Suggested Solution:

- | | |
|---|--|
| Type | healthy people 2020 in the <u>Search</u> box |
| Click | Go |
| Review | the resources retrieved |
|  | Use the browser's Back button to return to the Public Health Partners (PHP) Web site. |
| Click | Home at the top of the PHP page to prepare for the next search |


Exercise 2: Review the HIV funding opportunities for community outreach initiatives.

Suggested Solution:

- | | |
|---|---|
| Click | HIV/AIDS under <u>Public Health Topic Pages</u> |
| Click | Grants and Funding in the list of topics under <u>HIV/AIDS</u> |
| Click | AIDS Community Information Outreach Projects |
|  | Use the browser's Back button to return to the PHP Web site. |
| Click | Home at the top of the PHP page |


Exercise 3: Subscribe to an HIV/AIDS E-mail communication.

Suggested Solution:

- Click **HIV/AIDS** under [Public Health Topic Pages](#)
- Click **Discussion and E-mail Lists** in the list of topics under [HIV/AIDS](#)
- Review the resource(s) of your choice and follow the online instructions to subscribe (optional)
-  Use the browser's **Back** button to return to the PHP Web site.
- Click **Home** at the top of the PHP page


Exercise 4: Locate food deserts (low-income communities without ready access to healthy and affordable food) in your city.

Suggested Solution:

- Click **Nutrition** under [Public Health Topic Pages](#)
- Click **Data and Statistics** in the list of topics under [Nutrition](#)
- Click **Food Desert Locator** (United State Department of Agriculture (USDA))
- Click **Enter the map** and follow the online instructions
-  Use the browser's **Back** button to return to the PHP Web site.
- Click **Home** at the top of the PHP page


Exercise 5: I'm planning to travel outside of the country. What risks are associated with drinking water in a foreign country?

Suggested Solution:

- Click **Environmental Health** under [Public Health Topic Pages](#)
- Click **Water** in the list of topics under [Environmental Health](#)
- Click **MedlinePlus-Drinking Water (National Library of Medicine (NLM) U.S.)**
- Click **Related Issues** under [Learn More](#)
- Click **Water Disinfection for Travelers** (Centers for Disease Control and Prevention)
- Review the information retrieved and close the CDC pop-up window
-  Use the browser's **Back** button to return to the PHP Web site.
- Click **Home** at the top of the PHP page

Exercise 6: Find resources for state health data.

Suggested Solution:

- Select **Health Data Tools and Statistics** under Main Topics Page
- Click **State Health Data** under Health Data Tools and Statistics
- Review the resource(s) of your choice
-  Use the browser's Back button to return to the Public Health Partners (PHP) Web site.
- Click **Home** at the top of the PHP page to prepare for the next search

9

DIRLINE

DIRLINE

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

The screenshot shows the DIRLINE website interface. At the top, it features the U.S. Department of Health & Human Services logo and the URL www.hhs.gov. The main header includes the title "Directory of Health Organizations" and the National Library of Medicine logo. Below the header is a navigation bar with links for "DIRLINE PDA Access", "SIS Home", "About Us", "Site Map & Search", and "Contact Us".

The main content area is divided into several sections:

- Search DIRLINE:** A search box with a "Search" button and a "Clear" button. Below the search box is a placeholder text "(e.g. aging chronic diseases, scleroderma)".
- Search options:** Radio buttons for "all of the words" (selected), "any of the words", and "exact phrase".
- Fields:** Checkboxes for "Organization name or acronym" and "MeSH Headings/Keywords".
- Select records containing:** Checkboxes for "Only organizations with toll-free numbers" and "Only organizations with services for the hearing impaired".
- Buttons:** "Search" and "Browse the Index".
- Find Disaster Organizations:** A separate search box with a "Search" button and a dropdown menu for "Limit to state (Optional)" set to "-- All --".
- Health Hotlines:** A section with a red telephone icon and text: "Health Hotlines Toll-free numbers for over 300 organizations".
- Get the App:** A button with a red telephone icon and the text "Get the App".
- Other NLM Resources:** Links to "MedlinePlus®", "PubMed", "NLM Gateway", and "LocatorPlus".
- Support Pages:** Links to "Help", "Fact Sheet", "Disclaimer", and "A to Z List of Health Organizations".

dirline.nlm.nih.gov

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

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

Searching DIRLINE

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

Click **A-Z List of Health Organizations** on the homepage to browse for a health organization:



Mobile Tools and Service



[Health Hotlines App](#)

Mobile access to the directory of organizations with toll-free telephone numbers from an iPhone, iPod touch, and iPad. itunes.apple.com/app/health-hotlines/id376404746?mt=8



[DIRLINE API](#)

Offers a RESTful Web Service Application Programming Interface (API) that allows users to search the DIRLINE database with keywords. This service returns search results with brief and full records in DIRLINE API Response Format. dirline.nlm.nih.gov/dirlineapi/DIRLINEWebService.html



[DIRLINE Search for Disaster Organizations Widget](#)

The widget provides the graphic with links and it will search the DIRLINE database for organizations focused on disasters. disaster.nlm.nih.gov/dimrc/widgetdimrc.html

Additional Resources

For further information, we recommend these additional resources:

- ▶ Health Hotlines a compilation of organizations with toll-free telephone numbers. It is derived from DIRLINE
healthhotlines.nlm.nih.gov/index.html

- ▶ DIRLINE Fact Sheet
nlm.nih.gov/pubs/factsheets/dirlinfs.html

- ▶ Prescription for Success: Consumer Health Information on the Internet (National Network of Libraries of Medicine)
nmlm.gov/training/consumer/prescription

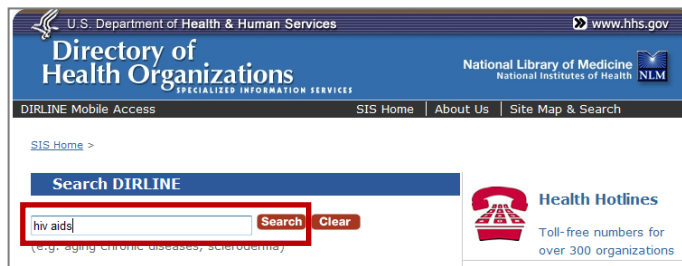
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DIRLINE Search Exercises

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

Suggested Solution:

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



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



- ▶ Click **Search Results** to return to the search results page



- ▶ **New Search** to prepare for the next search



Search Exercises

Exercise 1: Find health information resources that are located in your state.

Suggested Solution:

- Type **your state name** in the Search box
- Click **Search**
- Review the record(s) of choice
- Click **New Search** button on the left side of the screen to prepare for a new search


Exercise 2: Are there any organizations that offer information on nutrition? Save records that are of interest to you.

Suggested Solution:

- Type **nutrition** in the Search box
- Click **Search**
- Click the checkbox to the left of record(s) of your choice
- Click **Save Checked Items** button on the left of the page
- Click **Displayed Saved Items** button to review the record(s)
- Click **New Search** button on the left to prepare for the next search


Exercise 3: Find records for organizations that provide information on gender violence.

Suggested Solution:

- Type **gender violence** in the Search box
- Click **Search**
- Review record(s) of your choice
-  After reviewing a record, click **Search Results** to return to the search results page.
- Click **New Search** to prepare for the next search

Exercise 4: 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 **aids minority groups** in the Search box
- Select **Exact Phrase**
-  Using **exact phrase** will get the most specific retrieval, but may limit your search results.
- Click **Search**
- Review record(s) of your choice
- Click **Modify Search**
- Select **Only organizations with services for the hearing impaired** under Select records containing:
- Click **Search**
- Review record(s) of your choice
- Click **New Search** to prepare for the next search

Exercise 5: Locate information on the Ryan White Care Act.

Suggested Solution:

- Type **ryan white** in the Search box
- Click **Search**
- Review record(s) of your choice
- Click **New Search** on the left to prepare for the next search

Exercise 6: Find records for the various Centers for Disease Control and Prevention (CDC) HIV/AIDS programs.

Suggested Solution:

- Type **cdc hiv aids** in the Search box
- Click **Search**
- Review Record(s) of your choice
- Click **New Search** 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 **Browse the Index**
- Type **gay** in the Search box
- Click **Search**
- Click the checkbox for **gay** under index term
- Click **Select** above the table
- Click **Sort** on the left
- Select **Descending** order
- Click **Sort**
- Review record(s) of your choice
- Click **New Search** to prepare for the next search

Exercise 8: Locate organizations that provide information on emergency preparedness.

Suggested Solution:

- Type **emergency preparedness** in the Search box
- Click **Search**
- Review record(s) of your choice
- Click **New Search** to prepare for the next search

Additional Resources

- ▶ National Minority AIDS Council
- ▶ Office of AIDS Research
- ▶ Selected CDC Web Sites
- ▶ Selected Internet Resources in HIV/AIDS
- ▶ Selected Internet Resources in Health

National Minority AIDS Council

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



nmac.org

Programs and Training

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

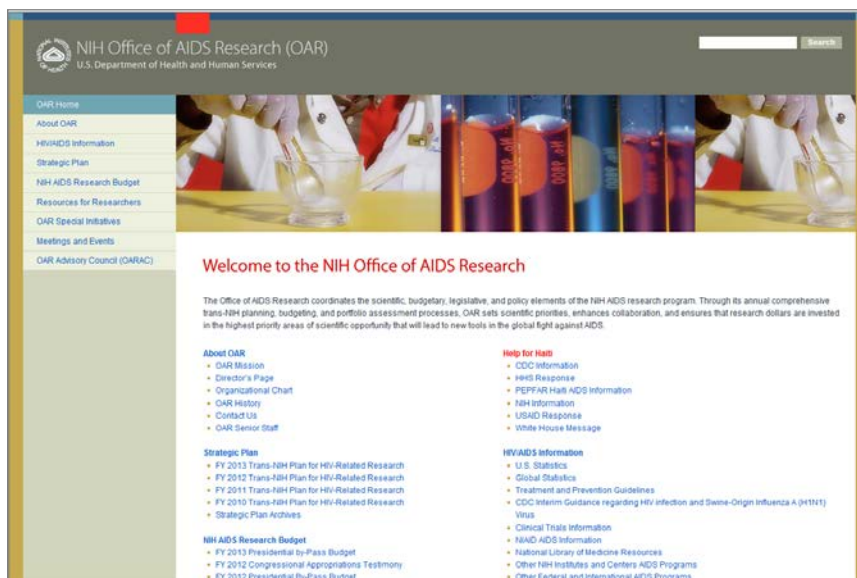
Tools and Resources

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

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Office of AIDS Research

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



www.oar.nih.gov

Strategic Plan

- ▶ Trans-NIH Plan for HIV-Related Research

HIV/AIDS Information (links)

- ▶ U.S. and Global Statistics
- ▶ Treatment and Prevention Guidelines
- ▶ CDC Interim Guidance regarding HIV infection and Swine Origin Influenza A (H1N1) virus
- ▶ Clinical Trials Information
- ▶ NIAID AIDS Information
- ▶ National Library of Medicine Resources
- ▶ Other NIH Institutes and Centers AIDS Programs
- ▶ Other Federal and International HIV/AIDS Programs
- ▶ Research on AIDS Benefits Efforts Against Diseases (information page)

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Centers for Disease Control and Prevention

CDC.gov is the Centers for Disease Control and Prevention's primary online communication channel. The Web site includes an A-Z Index of health topics and links to publications. Information is available for individuals interested in health issues, public health professionals, researchers, media, and healthcare providers. The Multimedia & Tools section includes Podcasts, RSS Feeds, Image Library, a BMI (Body Mass Index) calculator, and training information. CDC.gov is also available in multiple languages.



cdc.gov

Recommended Sections

- ▶ [Health Disparities](http://cdc.gov/omhd/Topic/HealthDisparities.html)
cdc.gov/omhd/Topic/HealthDisparities.html
- ▶ [Health Equity: A Selected Bibliography](http://cdc.gov/nccdphp/publications/healthdisparities)
cdc.gov/nccdphp/publications/healthdisparities
- ▶ [Tools and Training](http://cdc.gov/healthyyouth/tools/index.htm)
cdc.gov/healthyyouth/tools/index.htm

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Selected Internet Resources in HIV/AIDS

[AIDS.GOV](#)

[aids.gov](#)

[AIDS Action Committee of Massachusetts](#)

[aac.org](#)

[AIDS Education Global Information System \(AEGIS\)](#)

[www.aegis.org](#)

[AIDS History Project](#)

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

[AIDS Images Library](#)

[aids-images.ch](#)

[AIDS Information and Controversy 1985–1995](#)

[aidsinfobbs.org](#)

[AIDS InfoNet](#)

[aidsinfonet.org](#)

[AIDS Project Los Angeles](#)

[apla.org](#)

[AIDS Resource List](#)

[specialweb.com/aids](#)

[AIDS Treatment Data Network](#)

[atdn.org](#)

[AIDS Treatment News](#)

[thebody.com/content/art31573.html](#)

[AIDSinfo](#)

[aidsinfo.nih.gov](#)

[Aidsmap](#)

[aidsmap.com](#)

[All the Virology on the WWW](#)

[virology.net/garryfavweb.html](#)

[American Foundation for AIDS Research \(amfAR\) Global Link](#)

[amfar.org/globalink](#)

[American Red Cross](#)

[redcross.org](#)

[Australian Federation of AIDS Organisations](#)

[afao.org.au](#)

[The Body](#)

[thebody.com](#)

California AIDS Clearinghouse
lagaycenter.org

Canadian AIDS Treatment Information Exchange
catie.ca

Canadian HIV Trials Network
www.hivnet.ubc.ca/e/home

Center for AIDS Prevention Studies
caps.ucsf.edu

Centers for Disease Control and Prevention (CDC) HIV/AIDS
cdc.gov/hiv

Critical Path AIDS Project
critpath.org

GMHC on the Web Gay Men's Health Crisis
gmhc.org

Healthfinder.gov
healthfinder.gov

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

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

HIV Databases
hiv.lanl.gov

HIV InSite
hivinsite.ucsf.edu

HIV/AIDS Surveillance (U.S. Census Bureau)
census.gov/ipc/www/hivaidn.html

HIV/AIDS Vaccines
www.niaid.nih.gov/topics/HIVAIDS/research/vaccines

HIVandHepatitis.com
hivandhepatitis.com

HIVdent (dental information)
hivdent.org

HIVpositive.com
hivpositive.com

How to Find Reliable HIV/AIDS Treatment Information on the Internet
orise.orau.gov/files/hctt/aids_treatment_information.pdf

International AIDS Society
iasociety.org

International Association of Physicians in AIDS Care
iapac.org

Johns Hopkins HIV Guide
hopkins-aids.edu

Joint United Nations Programme on HIV/AIDS
unaids.org

MedlinePlus AIDS
medlineplus.gov/aids

Medscape HIV/AIDS
medscape.com/hiv

National AIDS Treatment Advocacy Project (NATAP)
natap.org

National Clearinghouse for Alcohol and Drug Information
ncadi.samhsa.gov

National HIV/AIDS Clinicians' Consultation Center (NCCC)
nccc.ucsf.edu

National Institute of Allergy and Infectious Diseases (NIAID)
www.niaid.nih.gov

National Institutes of Health (NIH) Office of AIDS Research (OAR)
www.oar.nih.gov

National Library of Medicine HIV/AIDS Portal
sis.nlm.nih.gov/hiv.html

National Minority AIDS Council
nmac.org

National Prevention Information Network
cdcpin.org

New York Academy of Medicine, HIV/AIDS Information Outreach Program
aidsnyc.org

NIAID Division of Acquired Immunodeficiency Syndrome
www.niaid.nih.gov/about/organization/daids

Partners in Information Access for the Public Health Workforce—HIV
phpartners.org/hp/hiv.html

Positive.org
positive.org/Home

Project Inform
projinf.org

PubMed

pubmed.gov

PubMed Training Manual (NLM)

nlm.nih.gov/pubs/web_based.html

PubMed Tutorial (NLM)

nlm.nih.gov/bsd/disted/pubmedtutorial

Rural Center for AIDS/STD Prevention

indiana.edu/~aids

San Francisco AIDS Foundation

sfaf.org

Social Security Administration

ssa.gov

The TB/HIV Research Laboratory at Brown University

research.brown.edu/research/labs.php

U.S. Department of Health and Human Services

hhs.gov

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

www.fda.gov/oashi/aids/hiv.html

World Health Organization, Tuberculosis

who.int/tb/en

Yahoo AIDS/HIV Resources

dir.yahoo.com/health/diseases_and_conditions/aids_hiv

Selected Internet Resources in Health

Agency for Healthcare Research and Quality

ahrq.gov

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

American Medical Association

ama-assn.org

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

BioMed Central

biomedcentral.com/browse/journals

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

CDC Diseases and Conditions

cdc.gov/DiseasesConditions

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

CDC Environmental Health

cdc.gov/environmental

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

Center for Drug Evaluation and Research

www.fda.gov/cder

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

ClinicalTrials.gov

clinicaltrials.gov

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

CNN Health
cnn.com/HEALTH

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

Directory of Open Access Journals
www.doaj.org

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

Doctor's Guide
docguide.com

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

U.S. Food and Drug Administration
www.fda.gov

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

Health Disparities/CDC
cdc.gov/omhd/Topic/HealthDisparities.html

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

Health Hotlines
healthhotlines.nlm.nih.gov

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

Health Literacy Training (FREE)
hrsa.gov/publichealth/healthliteracy/index.html

—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

healthfinder.gov

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

Healthy People 2020

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 2020 are to increase quality and years of healthy life and to eliminate health disparities. It is designed to be used by people on many levels—personal, community, state, and national—to improve health.

Healthy People 2010 Information Access Project

phpartners.org/hp

—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 NLMs Web site. This site is a pilot project funded by the National Library of Medicine with assistance from the Public Health Foundation and the National Network of Libraries of Medicine. Feedback is requested for project expansion to all HP2010 focus areas.

Healthy Schools Healthy Youth

cdc.gov/healthyyouth/

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

Medical Matrix

medmatrix.org/reg/register.asp

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

MedicineNet

medicinenet.com

—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 “HealthNews of the week,” “Diseases & Conditions,” “Image Collection,” “Symptom Checker,” “Med Terms Dictionary,” and “Medication Information.”

MedlinePlus**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 diseases and medical conditions. Resources include lists of hospitals and physicians, a medical encyclopedia, a medical dictionary, extensive information on prescription and non-prescription drugs, health information from the media, and links to thousands of clinical trials. MedlinePlus is updated daily. Available in English and Spanish.

Medscape®**medscape.com**

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

My Family Health Portrait**familyhistory.hhs.gov**

—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, Italian, and Portuguese.

National Library of Medicine**nlm.nih.gov**

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

National Library of Medicine Free Biomedical Literature Resources**nlm.nih.gov/doctype/freehealthlit.html**

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

National Medical Association**nmanet.org**

—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

womenshealth.gov

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

NIH Health Information

health.nih.gov

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

NursingNet

nursingnet.org

—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

minorityhealth.hhs.gov

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

Partners in Information Access for the Public Health Workforce

phpartners.org

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

Public Health Information and Data Tutorial

phpartners.org/tutorial

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

National Clearinghouse for Alcohol and Drug Information

ncadi.samhsa.gov

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

Public Library of Science**plos.org/journals**

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

PubMed**pubmed.gov**

—One of the NLMs free search services. It provides access to citations in MEDLINE with links to participating online journals.

Rural Assistance Center State Resources**raconline.org/states**

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

Virtual Pediatric Hospital**virtualpediatrictospital.org**

— Virtual Pediatric Hospital is a digital library of pediatric information and is the Apprentice's Assistant™

WebMD**webmd.com**

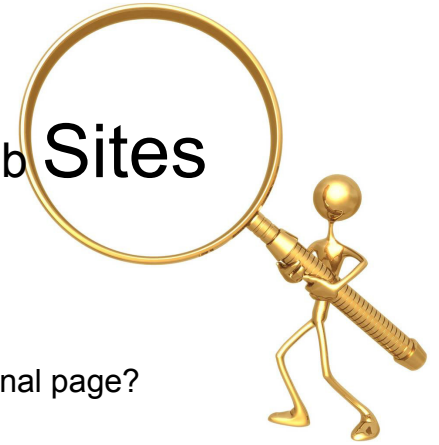
—Provides a wide range of online health information for health care professionals and consumers. WebMD Health® includes consumer health information, health and wellness news, support communities, and interactive health management tools. Medscape® from WebMD provides clinical information and educational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

WholeHealthMD**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 Supplement.

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

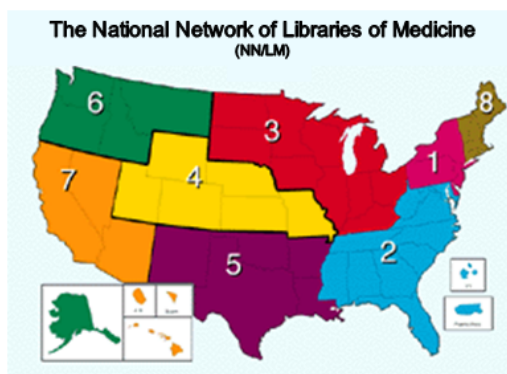
Toll-free: 888.FIND.NLM (346.3656)
 E-mail: custserv@nlm.nih.gov
 TOXNET E-mail: tehip@teh.nlm.nih.gov

Online Resources	
Online Training Manuals	nlm.nih.gov/pubs/web_based.htm (ClinicalTrials.gov, PubMed, and TOXNET)
Tutorials	nlm.nih.gov/bsd/disted/pubmedtutorial (PubMed)
Fact Sheets	nlm.nih.gov/pubs/factsheets/factsheets.html
Frequently Asked Questions	nlm.nih.gov/services/faq.html
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: nmlm.gov



- Region 1:** Delaware, New Jersey, New York, Pennsylvania
- Region 2:** Alabama, Florida, Georgia, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia, District of Columbia, Puerto Rico, U.S. Virgin Islands
- Region 3:** Iowa, Illinois, Indiana, Kentucky, Michigan, Minnesota, North Dakota, Ohio, South Dakota, Wisconsin
- Region 4:** Colorado, Kansas, Missouri, Nebraska, Utah, Wyoming
- Region 5:** Arkansas, Louisiana, New Mexico, Oklahoma, Texas
- Region 6:** Alaska, Idaho, Montana, Oregon, Washington
- Region 7:** Arizona, California, Hawaii, Nevada and the U.S. Territories in the Pacific Basin
- Region 8:** Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont