

HIV/AIDS

Information Resources

from the
National
Library
of Medicine®



U.S. National Library of Medicine





U.S. National Library of Medicine

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

Updated September 2016

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.

This document was prepared for the **Division of Specialized Information Services, National Library of Medicine, National Institutes of Health** by the Oak Ridge Associated Universities (ORAU).

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Preface

The treatment and management of HIV/AIDS continues to evolve with new scientific breakthroughs, treatment discoveries, and management challenges. People living with AIDS and those who care for them have difficulty keeping up with the latest information on HIV/AIDS screening, testing, prevention, treatment, and research. The National Library of Medicine® (NLM), 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 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.



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

The National Library of Medicine, 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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Section 1: 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 (NIH). 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:

- ▶ **AIDSource**—a portal linking to various resources from NLM, NIH, and other organizations
- ▶ **AIDSinfo**®—a service that offers health care professionals and consumers access to the latest, federally approved HIV/AIDS medical practice guidelines, clinical trials, and other research information. *infoSIDA* is the Spanish-language counterpart to *AIDSinfo*
- ▶ **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 that includes 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 for articles published in journals in the fields of medicine and the life sciences
- ▶ **Public Health Partners**—a collaboration of US government agencies, public health organizations, and health sciences libraries which provides timely, convenient access to selected public health resources on the Internet

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Section 2: 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 a 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 homepage of the U.S. National Library of Medicine (NLM). The header includes the NIH logo and the text "U.S. National Library of Medicine". A search bar is located in the top right corner, along with social media icons for Facebook, Twitter, and YouTube. The main content area is divided into several sections:

- Databases:** PubMed/MEDLINE, MeSH, UMLS, ClinicalTrials.gov, MedlinePlus, TOXNET, Images from the History of Medicine, Digital Collections, 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, Health Information in Other Languages.
- 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, Careers @ NLM, Mobile Gallery.
- News, Events, Videos:** A list of recent news items, including "NLM Mourns the Loss of Gerald Oppenheimer, Long-Time Regional Medical Library Director (08/30/16)", "National Library of Medicine Announces 2016 Association of Health Care Journalists-NLM Journalism Fellows (08/23/16)", "NLM Announces Future Plans of 2015-2016 Associate Fellows (08/17/16)", and "National Library of Medicine Welcomes New Director Dr. Patricia Flatley Brennan (NLM in Focus) (08/15/16)".

At the bottom of the page, there are icons for "Technical Bulletin", "Connect with NLM", "Multimedia Exhibition", "Podcasts", and "Databases & APIs". The footer contains copyright information, contact details, and a "USA.gov" logo. Metadata information is provided in the bottom right corner: "Last reviewed: 30 August 2016", "Last updated: 30 August 2016", "First published: 10 October 1993", and "Metadata: Permanence level: Permanent, Dynamic Content".

<https://www.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 card in the back of this workbook.

Additional Resources

For further information, we recommend these additional resources:

- ▶ HON Code of Conduct for Medical and Health Web Sites
<http://www.hon.ch/HONcode>
- ▶ Evaluating Internet Health Information: A Tutorial from the National Library of Medicine
<https://www.nlm.nih.gov/medlineplus/webeval/webeval.html>
- ▶ MedlinePlus—Evaluating Health Information
<https://www.nlm.nih.gov/medlineplus/evaluatinghealthinformation.html>
- ▶ National Network of Libraries of Medicine—Is this health information good for me?
<https://nmlm.gov/outreach/consumer/evalsite.html>
- ▶ Quackwatch
<http://www.quackwatch.com>

Savvy Health Surfing Exercises

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

#	URL	Authority/ Accuracy	Coverage	Currentness	Objectivity	Design Features
1:	http://www.thinktwice.com					
2:	http://healthfree.com					
3:	http://www.cancermed.com					
4:	http://www.healthcentral.com					
5:	https://www.drugs.com					
6:	http://www.thebody.com					
7:	http://www.webmd.com					
8:	http://www.drclark.net					
9:	http://www.lidaamerica.us					
10:	http://www.kidney.org					
11:	http://www.2ndwind.org					
12:	http://www.medicalacupuncture.org					

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Section 3: AIDSource



AIDSource

AIDSource is a portal linking to various resources from NLM, NIH, and other organizations. It contains basic information on HIV/AIDS, HIV-related conditions and opportunistic infections, policies, programs, living with HIV/AIDS, and more.

AIDSource offers access to a comprehensive collection of HIV/AIDS-related resources reviewed and selected by expert information specialists and librarians. AIDSource was developed by NLM to ensure that those seeking information about HIV/AIDS have a source of quality reviewed, current content. The mission of AIDSource is to serve as a reliable source for easy access to HIV/AIDS-related information from both within and outside of the federal government. Resources included on the AIDSource website are organized by both topic of interest and audience, and are available in English and Spanish.

AIDSOURCE
ONE SOURCE FOR HIV/AIDS INFORMATION

NIH U.S. National Library of Medicine

> Home > About Us > Contact Us

Browse HIV/AIDS Topics

Select Audience

AIDSource - Treatment
Links to HIV/AIDS-related treatment resources, including adherence, medications, side effects, and more.
[Read more >](#)

Basic HIV/AIDS Information HIV-Related Conditions HIV/AIDS Policies and Programs Living with HIV/AIDS Medical Practice Guidelines Mobile Resources Multimedia

News Resources Prevention Research Specific Populations Statistics and Surveillance Training Resources Treatment

<https://aids.nlm.nih.gov/>

Organization and Topics

The links on AIDSource are organized into several primary topic areas:

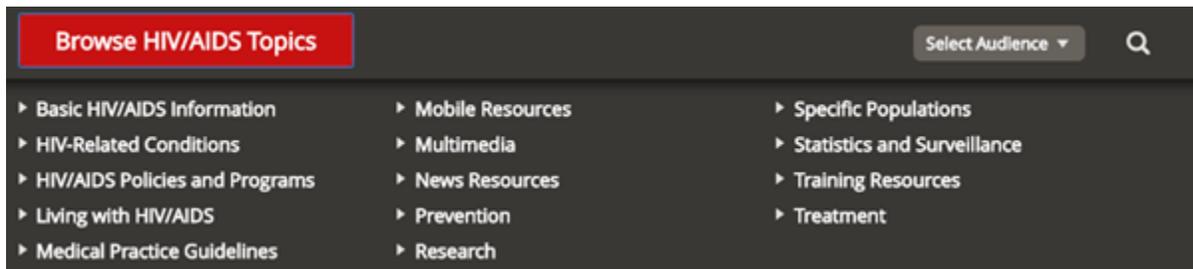
- ▶ **Basic HIV/AIDS Information**—fact sheets, general information, and organizations
- ▶ **HIV-Related Conditions**—basic and advanced information on HIV-related conditions
- ▶ **HIV/AIDS Policies and Programs**—links to global and United States policies and programs
- ▶ **Living with HIV/AIDS**—topics include complementary and alternative therapy; diet, nutrition, and food safety; disclosure/legal information; drug and alcohol use; exercise and physical fitness; and traveling
- ▶ **Medical Practice Guidelines**—guidelines for health care providers, covering general guidelines, HIV prevention and treatment, and specific conditions
- ▶ **Mobile Resources**—links to apps and mobile websites
- ▶ **Multimedia**—audio, video, photos, illustrations, and slide sets
- ▶ **News Resources**—blogs, news, and newsletters/e-news publications
- ▶ **Prevention**—topics include domestic violence, HIV prevention programs and organizations, HIV transmission and risk behaviors, testing, and training resources
- ▶ **Research**—clinical trials, grants and funding, prevention and treatment research, tools and information services, research organizations, and vaccine research
- ▶ **Specific Populations**—HIV/AIDS information for certain populations
- ▶ **Statistics and Surveillance**—data for geographic locations and populations
- ▶ **Training Resources**—training on prevention and treatment
- ▶ **Treatment**—topics include adherence, treatment overview, services and assistance, medication, side effects, and treatment failure

Browsing Topics by Category

You can access a topic by selecting it from the list provided on the AIDSource homepage.

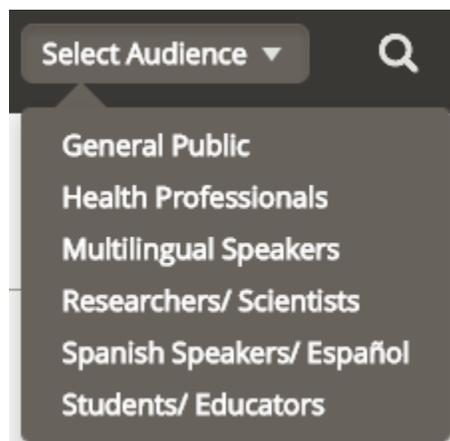


You can also click “Browse HIV/AIDS Topics” for quick access to specific topics.



Browsing Topics by Audience

To view AIDSource content relevant to a specific audience, such as the general public, health professionals, multilingual speakers, researchers/scientists, Spanish speakers, and students/educators, select an audience from the drop-down in the upper right area of the page.



Searching AIDSource

To search AIDSource, select the search icon (magnifying glass)  in the upper right corner. Enter your search term in the search box that appears, and click the magnifying glass or press **Enter**.



Stay Connected



Mobile-Friendly

AIDSource is mobile-responsive, automatically adjusting to the size of the device being used to access it. The same site can be accessed on mobile devices and computers alike at [**https://aids.nlm.nih.gov**](https://aids.nlm.nih.gov).



Apps/Mobile Websites

The “Mobile Resources” section of AIDSource contains links to apps and mobile websites.



Follow us on Twitter

Join and follow AIDSource on Twitter at [**https://aids.nlm.nih.gov/twitter**](https://aids.nlm.nih.gov/twitter)



Facebook

Facebook provides AIDSource users with a simple way to stay up to date with the latest HIV/AIDS information. [**https://aids.nlm.nih.gov/facebook**](https://aids.nlm.nih.gov/facebook)

AIDSource Search Exercises

- Go to <https://aids.nlm.nih.gov/>

Exercise 1: Locate resources related to the mental and emotional health of someone living with HIV/AIDS.

Suggested Solution:

- Click the **Browse HIV/AIDS Topics** button at the top of the page
- Click **Living with HIV/AIDS**
- Click **Mental and Emotional Health**
- Review the available resources

Exercise 2: Identify resources for researchers and scientists working on HIV/AIDS-related research.

Suggested Solution:

- Click the **Select Audience** drop-down at the top right of the page
- Click **Researchers/Scientists**
- Review the available resources

Exercise 3: Find HIV/AIDS resources related to hepatitis.

Suggested Solution:

- Click the **Search** button (magnifying glass) at the top right of the page
- Enter **hepatitis** in the search box
- Click the **Search** button (magnifying glass) next to the search box
- Review the search results returned

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Section 4: *AIDSinfo*[®]



AIDSinfo is a US 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

1-800-448-0440 | Contact Us | En Español

Search AIDSinfo Search

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

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Like

News
August 26, 2016
AIDSinfo At-a-Glance Issue 20
August 12, 2016
AIDSinfo At-a-Glance Issue 19
August 11, 2016
Nomination of New Members for the DHHS Perinatal HIV Guidelines
Search News

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 Term(s) 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
• Infographics

Education Materials
HIV/AIDS-related educational resources
• Fact Sheets
• Glossary
• HIV/AIDS Awareness Day Pages
• Infographics

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

Facebook Twitter RSS Share Widgets E-mail Updates

Mobile Resources:
• Apps • APIs
• Widgets

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• Site Map • Order Publications
• Site Search

We subscribe to the HONcode principles. Verify here

<https://aidsinfo.nih.gov>

Organization and Features

AIDSinfo is organized around six main categories:

- ▶ **Guidelines**—federally approved HIV treatment and prevention guidelines for HIV infection and AIDS-related illnesses, including the prevention of HIV transmission from occupational exposure, mother-to-child transmission during pregnancy, and prevention and treatment of HIV-related opportunistic infections
- ▶ **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 and Health Professional version and Spanish version
- ▶ **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 optimized for mobile devices and designed to provide access to the most popular features, such as the guidelines, clinical trial search tools, and drug database.

Additional features offered in AIDSinfo include the following:

- ▶ **HIV/AIDS Glossary**—definitions of HIV/AIDS-related terms in English and Spanish
- ▶ **Android and iPhone Glossary App**—downloadable AIDSinfo Glossary application for on-the-go access to the terms found in the AIDSinfo Glossary of HIV/AIDS-Related Terms
- ▶ **HIV/AIDS News**—database of HIV/AIDS-related news from federal agencies, including an archive of the AIDSinfo e-newsletter *At-a-Glance*
- ▶ **Publications**—print, electronic, and PDF versions of AIDSinfo 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 tab.



Clinical Guidelines Portal

Search by keywords in the Adult and Adolescent Guidelines or 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-Friendly

The AIDSinfo site is responsive, automatically adjusting to the size of the device being used to access it. The same site can be accessed on mobile devices and computers alike at <https://aidsinfo.nih.gov>.



Apps

Download AIDSinfo mobile apps, created specifically for Apple and Android phones and tablets. Download apps at <https://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 <https://twitter.com/aidsinfo>



Get E-mail Updates

Subscribe to the AIDSinfo biweekly e-newsletter, *At-a-Glance*, to receive notice of Web site updates, HIV/AIDS news, and treatment guideline updates. <https://aidsinfo.nih.gov/e-news>



Facebook

Facebook provides *AIDSinfo* users with a simple way to stay up to date with the latest HIV/AIDS information. <https://facebook.com/AIDSinfo>

Additional Resources

For further information, we recommend these additional resources:

- ▶ *AIDSinfo* Brochure
https://aidsinfo.nih.gov/contentfiles/ai_brochure.pdf
- ▶ *AIDSinfo* Glossary
<https://aidsinfo.nih.gov/ContentFiles/GlossaryHIVrelatedTerms.pdf>
- ▶ Glosario del VIH/SIDA
https://aidsinfo.nih.gov/ContentFiles/SpanishGlossary_sp.pdf
- ▶ *infoSIDA*
<https://infosida.nih.gov>
- ▶ AIDS.gov HIV/AIDS Feeds
<https://www.aids.gov/news-and-events/rss>

AIDSinfo® Search Exercises

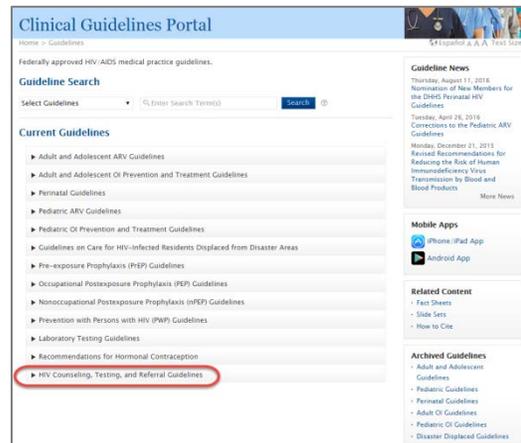
Search Example: Locate the latest guidance on HIV counseling, testing, and referral.

Suggested Solution

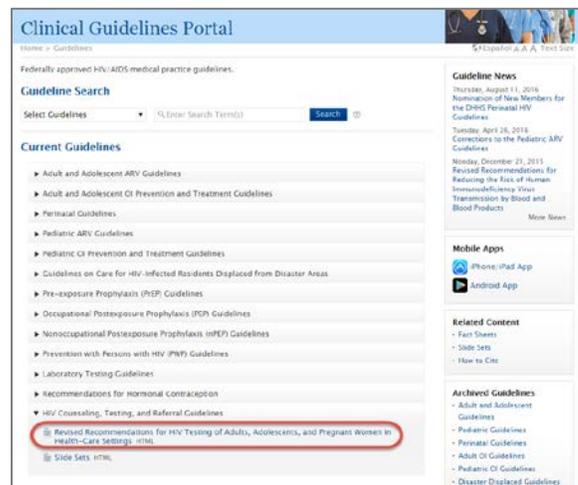
- ▶ Go to <https://aidsinfo.nih.gov>
- ▶ Click **Guidelines**



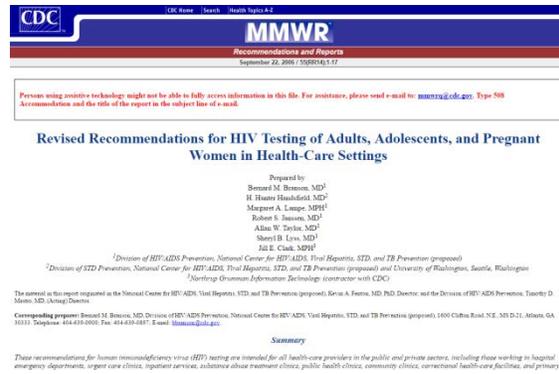
- ▶ Click **HIV Counseling, Testing, and Referral Guidelines**



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



- ▶ Review the document and close the CDC window



Search Exercises

Guidelines

Exercise 1: Using the navigation bar, locate the guidelines for caring for HIV-infected individuals following a disaster.

Suggested Solution:

- Click the **Guidelines** tab at the top of the page
- Click **Guidelines on Care for HIV-Infected Residents Displaced from Disaster Areas** under Care for Disaster Displaced HIV-Infected Patients
- Review the guidelines and then use the browser's **Back** button to return to the Clinical Guidelines Portal

Exercise 2: Conduct a guideline search for initiating antiretroviral therapy in treatment-naive adult and adolescent patients.

Suggested Solution:

- Click the **Guidelines** tab at the top of the page
- Select **Adult and Adolescent Guidelines** from the drop-down menu under Guideline Search
- Type **treatment naive** in the Search box
- Click **Search**
- Click **Initiation of Antiretroviral Therapy**

Exercise 3: What are the guidelines for incorporating HIV prevention into the medical care of HIV positive patients?

Suggested Solution:

- | | |
|--------|--|
| Click | Guidelines |
| Click | Prevention with Persons with HIV (PWP) Guidelines under <u>Current Guidelines</u> |
| Click | Recommendations for HIV Prevention with Adults and Adolescents with HIV in the United States, 2014 (HTML) |
| Review | the guidelines and close the CDC window |

Exercise 4: Locate the Perinatal guidelines. Next, view the slide set.

Suggested Solution:

- | | |
|---|--|
| Click | the Guidelines tab |
| Click | the Guidelines Home link |
| Click | Perinatal Guidelines under <u>Current Guidelines</u> |
| Click | Slide Sets HTML |
| Click | Slide Sets for the Perinatal Guidelines from the AETC National Resources in the pop-up window |
|  | The pop-up window opens to the AIDS Education Training Centers (AETC) National Resource Center. |
| Click | <u>Download Slides</u> and follow the on-screen prompts to download and open the presentation |
| Review | the slides and close the PowerPoint window |
|  | Use the browser's Back button to return to the Clinical Guidelines Portal. |

Exercise 5: Review the most recent Guidelines News topic. Next, subscribe to the AIDSinfo biweekly e-newsletter (optional).

Suggested Solution:

- | | |
|--------|---|
| 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 | Email updates at the bottom of the page and follow the on-screen instructions to subscribe to AIDSinfo <i>At-a-Glance</i> |

Exercise 6: Perform a Guideline search of your choice.

Clinical Trials

Exercise 7: 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 | clinical trial(s) of your choice |

Exercise 8: 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 box |
| Type | dapivirine in the Interventions search box |
| Select | Studies with Female Participants from the Gender drop-down menu |
| Click | Search |
| Review | the clinical trial record(s) |
| Select | Studies Seeking New Volunteers from the Filters Results drop-down menu |
| Review | the clinical trial record(s) and close the ClinicalTrials.gov window |

Exercise 9: 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 10: Using the “Search by Category” feature, locate clinical trials that are studying Long-term Nonprogressors.

Suggested Solution:

- Click **Clinical Trials**
- Click **Clinical Trials Home**
- Click **Specific Populations**
- Click **Long-Term Nonprogressors/Elite Controllers** under Specific Populations
- Review clinical trial(s) of your choice

Exercise 11: Review the most recent Clinical Trial News topic. Next, review the “What is an HIV/AIDS Clinical Trial” fact sheet.

Suggested Solution:

- Click **Clinical Trials**
- Click **Clinical Trials Home**
- Click the first topic under **Clinical Trial 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 the **Clinical Trials** tab at the top of the page
- Click **Fact Sheet: HIV/AIDS Clinical Trials** under Education Materials
- Click **This Fact Sheet HTML**
- Review the fact sheet and close the pop-up window
-  The fact sheet is also available in the Education Materials.

Exercise 12: Find all HIV/AIDS trials in your home state.

Suggested Solution:

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

Drug Category

Exercise 13: The US Food and Drug Administration (FDA) recently approved a generic formulation of Ziagen, a Nucleoside Reverse Transcriptase Inhibitor. What is the generic name?

Suggested Solution:

- Click the **Home** tab at the top of the page
- Click **Drugs**
- Type **ziagen** in the Search box under **Search HIV/AIDS Drugs**
- Click **Search**
- Review the **Other Names** section

Exercise 14: Using the A-Z Index, review the Spanish fact sheet for Combivir.

Suggested Solution:

- Click **Drugs**
- Click **C** under the Alphabetical Search
- Click **Combivir**
- Click **Español** to the right of the page
- Click **English** to return to the AIDSinfo Drug Database

Exercise 15: Truvada has been approved as a pre-exposure prophylaxis(PrEP). What are the side effects of taking this drug?

Suggested Solution:

- Click **Drugs**
- Click **Drugs Home**
- Type **truvada** in the Search box under **Search the Drug Database**
- Click **Search**
- Review the information under **What side effects can Truvada cause?**

Exercise 16: Are heart problems a side effect of Maraviroc? Use the A–Z Index.

Suggested Solution:

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

Exercise 17: View the list of investigational Integrase Inhibitors. Review the clinical trial status of one of the investigational drugs.

Suggested Solution:

- Click **Drugs**
- Click **Drugs Home**
- Select **Integrase Inhibitors** from the Drug Class drop-down menu
- Select **Investigational** from the Approved Status drop-down menu
- Click **Search**
- Click an **investigational Integrase Inhibitor** of your choice
- Click **research studies** under Where can I get more information about clinical trials studying.....?
- Review the clinical trial record(s)
- Use the browser's **Back** button to return to the Search Results page

Exercise 18: The US Food and Drug Administration (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 HIV/AIDS Drugs**
- Click **Search**
- Click **FDA Label - Tablet (film coated)**
- Click **Dosage & Administration**
- Review the **Dosing Information** section
- Use the browser's **Back** button to return to the Drug Database record

Exercise 19: Review the most recent Drug News topic.

Suggested Solution:

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

Exercise 20: What is the recommended oral suspension dose of Nevirapine for newborns?

Suggested Solution:

- Click **Drugs**
- Type **nevirapine** in the Search box under **Search HIV/AIDS Drugs**
- 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 21: Some HIV-infected individuals develop cancer. What information is available on this condition?

Suggested Solution:

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

Exercise 22: The population over the age of 50 is one of the fastest-growing groups living with HIV. Locate resources and information for this population.

Suggested Solution:

- Click **HIV/AIDS Health Topics**
- Click **Specific Populations**
- Click **Adults 50 and Over**
- Review topic(s) of your choice
- Close the pop-up window or use the browser's **Back** button to return to the HIV/AIDS Health Topics page

Exercise 23: Use the A-Z Index to locate oral health information.

Suggested Solution:

- Click **HIV/AIDS Health Topics**
- Click **O** under **Alphabetical Search**
- Click **Oral Health**
- Review topic(s) of your choice
- Close the pop-up window or use the browser's **Back** button to return to the HIV/AIDS Health Topics page

Exercise 24: Find all HIV/AIDS statistics.

Suggested Solution:

- Click **HIV/AIDS Health Topics**

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

Exercise 25: Locate resources for people who take care of HIV-infected individuals.

Suggested Solution:

Click	HIV/AIDS Health Topics
Click	Specific Populations
Click	Caregivers
Review	topic(s) of your choice
Close	the pop-up window or use the browser's Back button to return to the <u>HIV/AIDS Health Topics</u> page

Education Materials

Exercise 26: Browse the fact sheets.

Suggested Solution:

Click	Education Materials
Click	Fact Sheets
Review	fact sheet(s) of your choice
Close	the pop-up window or use the browser's Back button to return to the <u>HIV/AIDS Health Topics</u> page

Exercise 27: What is polyneuropathy?

Suggested Solution:

Click	Education Materials
Click	Glossary
Type	polyneuropathy in the <u>Search the Glossary Terms</u> search box
Click	Search
Click	Polyneuropathy
Review	the definition

Section 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.

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

ClinicalTrials.gov is a registry and results database of publicly and privately supported clinical studies of human participants conducted around the world. [Learn more about clinical studies and about this site, including relevant history, policies, and laws.](#)

Find Studies | About Clinical Studies | Submit Studies | Resources | About This Site

ClinicalTrials.gov currently lists 224,186 studies with locations in all 50 States and in 192 countries. Text Size ▾

Search for Studies

Example: "Heart attack" AND "Los Angeles"

Advanced Search | See Studies by Topic
See Studies on Map

Search Help

- How to search
- How to find results of studies
- How to read a study record

Locations of Recruiting Studies

Total N = 39,421 studies (Data as of August 31, 2016)

- See more trends, charts, and maps

For Patients and Families

- How to find studies
- See studies by topic
- Learn about clinical studies
- Learn more

For Researchers

- How to submit studies
- Download content for analysis
- About the results database
- Learn more

For Study Record Managers

- Why register?
- How to register your study
- FDAAA 801 requirements
- Learn more

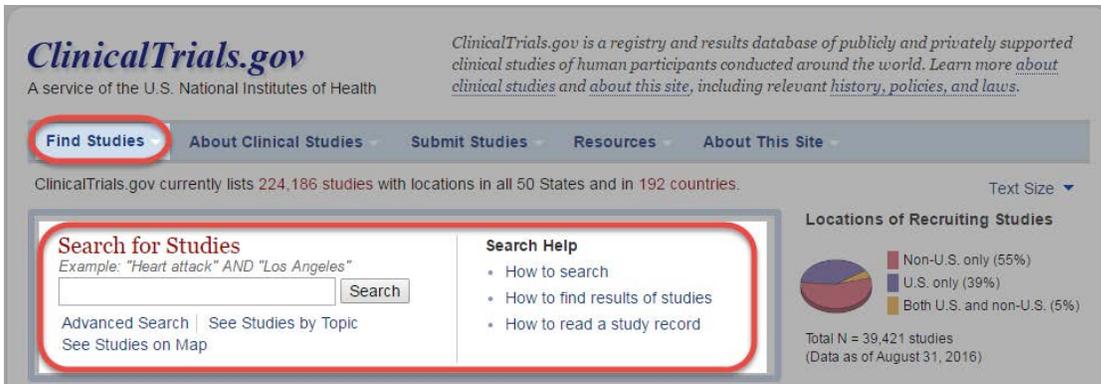
[HOME](#) | [RSS FEEDS](#) | [SITE MAP](#) | [TERMS AND CONDITIONS](#) | [DISCLAIMER](#) | [CONTACT.nlm HELP DESK](#)

Copyright | Privacy | Accessibility | Viewers and Players | Freedom of Information Act | USA.gov
 U.S. National Library of Medicine | U.S. National Institutes of Health | U.S. Department of Health and Human Services

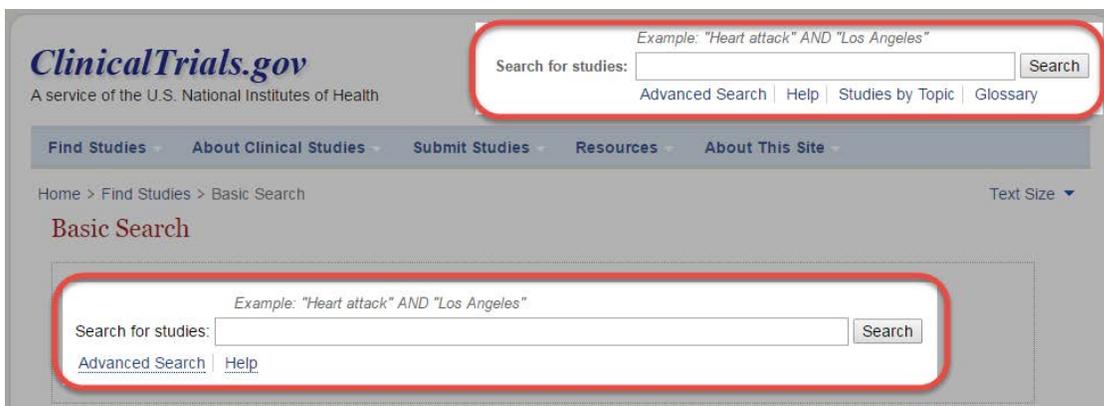
<https://clinicaltrials.gov>

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 homepage.



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 homepage and at the top of every page under the search box.

ClinicalTrials.gov

A service of the U.S. National Institutes of Health

Example: "Heart attack" AND "Los Angeles"

Search for studies:

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

[Find Studies](#) ▾ | [About Clinical Studies](#) ▾ | [Submit Studies](#) ▾ | [Resources](#) ▾ | [About This Site](#) ▾

Home > Find Studies > Advanced Search Text Size ▾

Advanced Search

Fill in any or all of the fields below. Click on the label to the left of each search field for more information or read the [Help](#)

Search Terms: [Help](#)

Recruitment: Exclude Unknown status

Study Type:

Study Results:

Eligibility Criteria:

Age: years or Group: Child (birth-17) Adult (18-65) Senior (66+)

Gender:

Accepts Healthy Volunteers: Healthy volunteers may participate in the study

Targeted Search:

Conditions:

Interventions:

Title Acronym/Titles:

Outcome Measures:

Sponsor/Collaborators: Exact match

Sponsor (Lead): Exact match

Study IDs:

Locations:

State 1:

Country 1:

State 2:

Country 2:

State 3:

Country 3:

Location Terms:

Additional Criteria:

Phase: Phase 0 Phase 1 Phase 2 Phase 3 Phase 4

Funder Type: NIH Other U.S. Federal agency Industry All others (individuals, universities, organizations)

Safety Issue: Has an Outcome Measure designated as a safety issue

First Received: From To (MM/DD/YYYY)

Last Updated: From To (MM/DD/YYYY)

[Help](#)

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 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 "Search for studies:" and a "Search" button. Below the search bar, there are navigation links: "Advanced Search", "Help", "Studies by Topic", and "Glossary". A blue navigation bar contains links for "Find Studies", "About Clinical Studies", "Submit Studies", "Resources", and "About This Site". Below this, a breadcrumb trail reads "Home > Find Studies > Search Results". A red box highlights the text "21 studies found for: thalidomide hiv" and a link "Modify this search | How to Use Search Results". Below this, there are tabs for "List", "By Topic", "On Map", and "Search Details". A "+ Show Display Options" link is present, along with "Download" and "Subscribe to RSS" options. There are checkboxes for "Include only open studies" and "Exclude studies with Unknown status". A table lists the search results:

Rank	Status	Study
1	Completed	Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People Conditions: HIV Infections Interventions: Drug: Thalidomide; Drug: Thalidomide placebo
2	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 ClinicalTrials.gov study record detail page. At the top, there is a search bar with the text "Search for studies:" and a "Search" button. Below the search bar, there are navigation links: "Advanced Search", "Help", "Studies by Topic", and "Glossary". A blue navigation bar contains links for "Find Studies", "About Clinical Studies", "Submit Studies", "Resources", and "About This Site". Below this, a breadcrumb trail reads "Home > Find Studies > Search Results > Study Record Detail". A text size dropdown is visible. A box indicates "Trial record 4 of 21 for: thalidomide hiv" with navigation links for "Previous Study", "Return to List", and "Next Study". The study title is "Thalidomide for Treatment of Oral and Esophageal Aphthous Ulcers and HIV Viremia in Patients With HIV Infection". A red box highlights the text "This study has been completed." Below this, there are sections for "Sponsor: National Institute of Allergy and Infectious Diseases (NIAID)", "Collaborator: Andrusis Pharmaceuticals", and "Information provided by (Responsible Party): National Institute of Allergy and Infectious Diseases (NIAID)". A table provides details about the study:

ClinicalTrials.gov Identifier: NCT00000790
First received: November 2, 1999
Last updated: March 30, 2012
Last verified: March 2012
History of Changes

Below the table, there are links for "Full Text View", "Tabular View", "No Study Results Posted", "Disclaimer", and "How to Read a Study Record". A "Purpose" section is visible, containing primary and secondary objectives of the study.

Study Record

Additional Resources

For further information, we recommend these additional resources:

- ▶ Prescription for Success: Consumer Health on the Web
<https://nmlm.gov/training/consumer/prescription>
- ▶ ClinicalTrials.gov Background Information and Other Consumer Health Information
<https://clinicaltrials.gov/ct2/info>
- ▶ ClinicalTrials.gov Online Training
<https://www.nlm.nih.gov/bsd/viewlet/ct>
- ▶ NLM Clinical Alerts and Advisories
https://www.nlm.nih.gov/databases/alerts/clinical_alerts.html

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ClinicalTrials.gov® Search Exercises

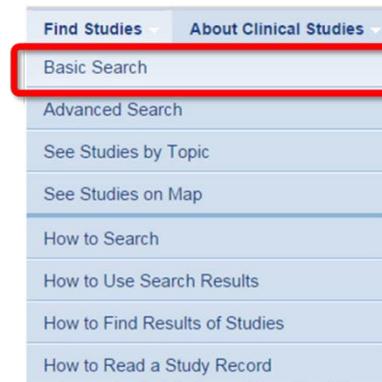
Search Example: Have clinical trials been conducted using Thalidomide to treat HIV-related illnesses?

Suggested Solution:

- ▶ Go to <https://clinicaltrials.gov>
- ▶ Point the cursor to **Find Studies**



- ▶ Select **Basic Search** from the drop-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 homepage



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

Home > Find Studies > Basic Search

Text Size ▾

Basic Search

Home > Find Studies > Search Results Text Size ▾

21 studies found for: thalidomide HIV
[Modify this search](#) | [How to Use Search Results](#)

[List](#) | [By Topic](#) | [On 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	Compassionate Use Study of Two Dose Levels of Thalidomide in Adults With HIV Wasting Syndrome Conditions: HIV Infections; HIV Wasting Syndrome Intervention: Drug: Thalidomide
3	Completed	A Phase II, Parallel Group, Randomized, Placebo-Controlled Study of the Safety and Efficacy of Thalidomide in Reducing Weight Loss in Adults With HIV Wasting Syndrome Conditions: HIV Infections; HIV Wasting Syndrome Intervention: Drug: Thalidomide

- At the top of the page, go to **Find Studies** and click **Basic Search** to prepare for the next search

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

Example: "Heart attack" AND "Los Angeles"
 Search for studies: [Search](#)
[Advanced Search](#) | [Help](#) | [Studies by Topic](#) | [Glossary](#)

[Find Studies](#) | [About Clinical Studies](#) ▾ | [Submit Studies](#) ▾ | [Resources](#) ▾ | [About This Site](#) ▾

[Basic Search](#) | Text Size ▾

[Advanced Search](#)

21 studies found for: thalidomide HIV
[Modify this search](#) | [How to Use Search Results](#)

[Details](#)

[Download](#) | [Subscribe to RSS](#)

with Unknown status

Search Exercises

Exercise 1: Locate clinical trials studying the Zika Virus.

Suggested Solution:

- Click **Find Studies**
- Click **Basic Search**
- Type **Zika** 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** in the Conditions box
- Type **ginger** in the Interventions 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 record(s) of your choice

Exercise 5: Are there post-traumatic stress disorder clinical trials that include study results?

Suggested Solution:

- Click **Find Studies**
- Click **Advanced Search**
- Select **Studies With Results** from the Study Results drop-down menu
- Type **post-traumatic stress disorder** in the Conditions box
- Click **Search** and review record(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 Map**
- Click a **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 Interventions box
- Click **Search**
- Review record(s) of your choice
- Click **Modify this search**
- Select **Recruiting** from the Recruitment drop-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 Studies by Topic**
- 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 **Q**
- 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**

Section 6: MedlinePlus®



MedlinePlus®

MedlinePlus is NLM's answer to consumer-friendly, authoritative health information. It contains health information especially written for consumers and patients by the National Institutes of Health and other trusted sources. MedlinePlus contains information on health topics, lists of hospitals and physicians, extensive information on prescription and nonprescription 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.

Disclaimers Copyright Privacy Accessibility Quality Guidelines Viewers & Players MedlinePlus Connect for EHRs For Developers
U.S. National Library of Medicine 8600 Rockville Pike, Bethesda, MD 20894 U.S. Department of Health and Human Services National Institutes of Health FOIA USA.gov
Page last updated on 1 September 2016 URL for this page: <https://medlineplus.gov>

<https://medlineplus.gov>

Features

- ▶ Easy-to-read language
- ▶ Easy-to-navigate pages
- ▶ New links added daily
- ▶ No advertising or endorsements
- ▶ Latest health news
- ▶ Spanish version: **<https://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 screenshot shows the MedlinePlus search interface. At the top, there is a search bar with the word "diabetes" entered and a "GO" button. Below the search bar are navigation tabs for "Health Topics", "Drugs & Supplements", and "Videos & Tools", along with a "Español" link. A "Refine by Type" sidebar on the left lists various content categories with their respective counts. The main content area displays a detailed entry for "Diabetes", including a definition, a description of the disease, and a list of related resources. The entry is titled "Diabetes (National Library of Medicine)" and includes a brief overview of the condition.

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 & Tools** contains multimedia health resources, including calculators, quizzes, games, interactive tutorials, and anatomy and surgery videos.

The screenshot shows the "Health Topics" browsing page. At the top, there are navigation tabs for "Health Topics", "Drugs & Supplements", and "Videos & Tools", along with a "Español" link. Below the navigation tabs is a "Find topics A-Z" section with a grid of letters from A to Z, plus "XYZ" and "List of All Topics". The main content area is divided into three columns: "Body Location/Systems", "Disorders and Conditions", and "Demographic Groups". Each column contains a list of topics with corresponding icons. The "Body Location/Systems" column includes topics like "Blood, Heart and Circulation", "Bones, Joints and Muscles", "Brain and Nerves", "Digestive System", "Ear, Nose and Throat", "Endocrine System", "Eyes and Vision", "Immune System", and "Kidneys and Urinary System". The "Disorders and Conditions" column includes "Cancers", "Diabetes Mellitus", "Genetics/Birth Defects", "Infections", "Injuries and Wounds", "Mental Health and Behavior", "Metabolic Problems", "Poisoning, Toxicology, Environmental Health", "Pregnancy and Reproduction", and "Substance Abuse Problems". The "Demographic Groups" column includes "Children and Teenagers", "Men", "Population Groups", "Seniors", and "Women". There is also a "Health and Wellness" section with "Disasters", "Fitness and Exercise", "Food and Nutrition", and "Health System".

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: <https://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. <https://medlineplus.gov/listserv.html>



Subscribe to RSS

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



Follow us on Facebook

Facebook provides the latest news and information on health and medicine. <https://facebook.com/mplus.gov>



Follow us on Twitter

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

Additional Resources

For further information, we recommend these additional resources:

- ▶ MedlinePlus Frequently Asked Questions
<https://medlineplus.gov/faq>
- ▶ Evaluating Internet Health Information: A Tutorial from the National Library of Medicine
<https://medlineplus.gov/webeval>
- ▶ Guide to Healthy Web Surfing
<https://medlineplus.gov/healthywebsurfing.html>
- ▶ Information for Librarians and Trainers
<https://medlineplus.gov/training>

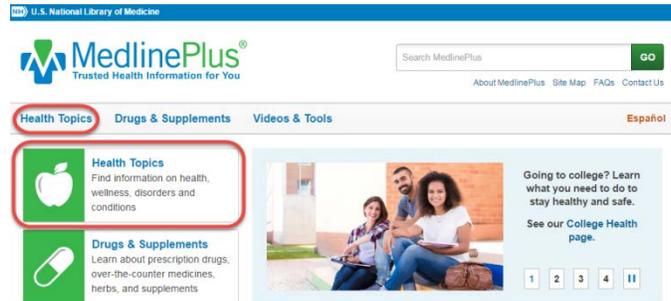
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MedlinePlus® Search Exercises

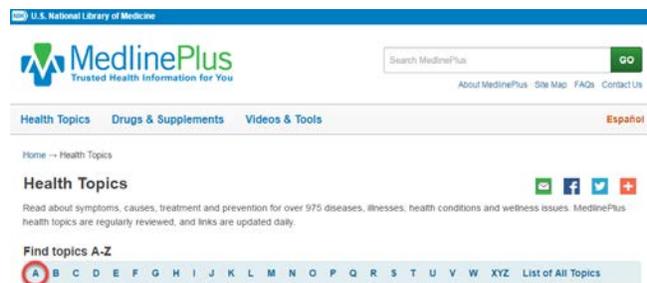
Search Example: Using the alphabetical list of health topics, review the MedlinePlus AIDS page and locate general information about HIV/AIDS.

Suggested Solution:

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



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



- ▶ Scroll down the list of alphabetical topics to find **AIDS see HIV/AIDS**
- ▶ Click **HIV/AIDS**



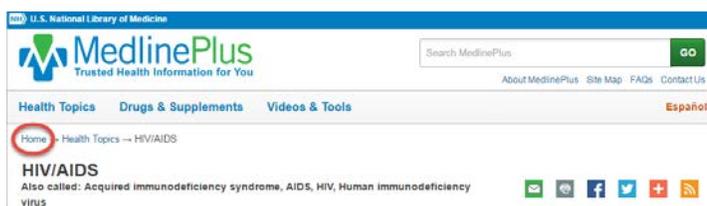
- ▶ Click **HIV/AIDS NIH** (National Institute of Allergy and Infectious Diseases) under Start Here



- ▶ 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(s) of your choice |
| 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 <u>Find your topic by first letter</u> |
| Click | AIDS see HIV/AIDS from the alphabetical list |
| Click | Seniors under <u>For You</u> |
| Click | Older People and HIV (New Mexico AIDS Education and Training Center) under <u>Seniors</u> |
| Close | the AIDS InfoNet window and return to the MedlinePlus HIV/AIDS page |
| Select | a topic under NIH MedlinePlus Magazine to the right of the page |
| Review | the article retrieved |
| Click | the browser's Back button to return to the <u>MedlinePlus</u> page |

Exercise 4: Using the alphabetical list of health topics, search for information on the use of flu vaccine in patients with immune deficiency.

Suggested Solution:

- | | |
|--------|---|
| Click | Health Topics |
| Click | F under <u>Find your topic by first letter</u> |
| Click | Flu Shot from the alphabetical list |
| Click | Vaccination: Who Should Do It, Who Should Not and Who Should take Precautions under <u>Resources</u> |
| Review | the information retrieved |
| 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 <u>Find your topic by first letter</u> |
| Click | Alternative Medicine see Complementary and Integrative Medicine from the alphabetical list |

-
- | | |
|--------|---|
| Click | Are You Considering Complementary Medicine? under Start Here |
| Review | the information retrieved |
| Close | the tab or pop-up window |
| Review | the additional information on the MedlinePlus Complementary and Integrative 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 a 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, Goldenseal, Propolis, and Tea Tree Oil.

Exercise 11: Locate the HIV/AIDS Medicines page. Next, register to receive HIV/AIDS Medication updates by e-mail (optional).

Suggested Solution:

- Click **Drugs & Supplements**
- Click **HIV/AIDS Medicines** under Related Topics
- Review the content on the page
- Type your e-mail address in the **Get HIV/AIDS Medicines updates by e-mail** box
- Click **Go** and follow the on-screen directions

Videos & Tools

Exercise 12: My doctor has ordered an arthrography to determine the cause of pain my joint pain. What does this procedure involve? View the arthrography video.

Suggested Solution:

- Click **Videos & Tools**
- Click **Interactive Tutorials**
- Type **Arthrography** in the [Search all Videos & Tutorials search box](#)
- Click **Start Video** 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 & Tools**
- Click **Health Videos**
- Click **Immune response** from the alphabetical listing and follow the on-screen 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 & 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 on-screen 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 & Tools**

Click **Health Check Tools**

Click **H** in the alphabetical listing

Click **Hepatitis Risk Assessment** (Centers for Disease Control and Prevention) under Hepatitis C and follow the on-screen 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** on the homepage

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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Section 7: PubMed®/MEDLINE®



PubMed®/MEDLINE®

PubMed is a database developed by the National Center for Biotechnology Information (NCBI) at the National Library of Medicine (NLM®) 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, Sign in to NCBI, PubMed.gov, US National Library of Medicine, National Institutes of Health, Search, Help.
- Main Content:**
 - PubMed Commons:** Featured comment - Aug 25: "As part of @opentrials, Fleminger & @bengoldacre look to connect articles to correct #clinicaltrial IDs, e.g. [bit.ly/2beE9z1](https://doi.org/10.1186/1745-2974-2-1)"
 - Using PubMed:** PubMed Quick Start Guide, Full Text Articles, PubMed FAQs, PubMed Tutorials, New and Noteworthy.
 - 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 (API), LinkOut.
- Footer:**
 - GETTING STARTED:** NCBI Education, NCBI Help Manual, NCBI Handbook, Training & Tutorials, Submit Data.
 - RESOURCES:** Chemicals & Bioassays, Data & Software, DNA & RNA, Domains & Structures, Genes & Expression, Genetics & Medicine, Genomes & Maps, Homology, Literature, Proteins, Sequence Analysis, Taxonomy, Variation.
 - POPULAR:** PubMed, Bookshelf, PubMed Central, PubMed Health, BLAST, Nucleotide, Genome, SNP, Gene, Protein, PubChem.
 - FEATURED:** Genetic Testing Registry, PubMed Health, GenBank, Reference Sequences, Gene Expression Omnibus, Map Viewer, Human Genome, Mouse Genome, Influenza Virus, Primer-BLAST, Sequence Read Archive.
 - NCBI INFORMATION:** About NCBI, Research at NCBI, NCBI News, NCBI FTP Site, NCBI on Facebook, NCBI on Twitter, NCBI on YouTube.

<https://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 drop-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, Really Simple Syndication (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., Medical Subject Headings (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, **International Standard Serial Number (ISSN)**, or browsing by subject terms
- ▶ To build a search strategy with MeSH terms, use the MeSH Database—NLM-controlled 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 Filters 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 search results are displayed in a list format, with the first four results visible. The results are sorted by "Most Recent" and are displayed in "Summary" format. The search results list shows 1 to 20 of 558883 items. The first result is "The Association Between Nonalcoholic Fatty Liver Disease and Metabolic Abnormalities in The United States Population" by Jinjuvadia R, Antaki F, Lohia P, Liangpunsakul S, published in J Clin Gastroenterol. 2016 Aug 31. [Epub ahead of print]. PMID: 27580477. The second result is "Editorial introductions." by [No authors listed], published in Curr Opin Endocrinol Diabetes Obes. 2016 Oct 23(5):v-vi. No abstract available. PMID: 27580457. The third result is "Association of CXCL12 gene promoter methylation with periodontitis in patients with diabetes mellitus type 2" by Grdović N, Rajić J, Petrović SM, Dinić S, Uskoković A, Mihailović M, Jovanović JA, Tolić A, Pucar A, Mlašin J, Vidaković M, published in Arch Oral Biol. 2016 Aug 22;72:124-133. doi: 10.1016/j.archoralbio.2016.08.025. [Epub ahead of print]. PMID: 27580404. The fourth result is "A case of fulminant type 1 diabetes after erythema multiforme" by Ma Z, Zhang W, published in Diabetes Res Clin Pract. 2016 Aug 19;120:182-183. doi: 10.1016/j.diabres.2016.08.003. [Epub ahead of print]. No abstract available. PMID: 27580389.

The sidebar on the left contains various filter options, including Article types (Clinical Trial, Review, Customize ...), Text availability (Abstract, Free full text, Full text), PubMed Commons (Reader comments, Trending articles), and Publication dates (5 years, 10 years, Custom range...). The sidebar on the right contains a "Results by year" chart, "Related searches" (diabetes mellitus, type 1 diabetes, gestational diabetes, diabetes type 2, diabetes insipidus), "Titles with your search terms" (Act on Threes Paradigm for Treatment Intensification, Risk Differences between Prediabetes and Diabetes According to Brix, Laser therapy in wound healing associated with diabetes mellitus - Rev), and "Find related data" (Database: Select, Find items).

Advanced Search

The Advanced search page 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 Sign in to NCBI

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 Download history Clear history

Search	Add to builder	Query	Items found	Time
#1	Add	Search diabetes	558883	15:03:44

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 **Similar articles** link below the citation
- ▶ Links to free full-text articles, if available,—click **Free Article** or **Free PMC Article** below the citation
- ▶ Links to other NLM resources for additional information—on the right side of your Search Results page, you can locate Titles with your search terms, Find Related Data, view the detailed search string used to perform the search, 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**.

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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, your Web browser must accept **cookies** and allow pop-ups from NCBI Web pages. A **cookie** is information stored by a Web site server on your computer. The cookie retains user preferences such as search result filters, LinkOut[®] displays, institutional icon links, document delivery services, etc., across user sessions. Users may opt out of the persistent cookie selection in their My NCBI settings at any time. Click **My NCBI** on the right side of the NCBI header to register with My NCBI.

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, an agreement must first be established 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 800.338.7657, Monday-Friday, 8:30 a.m. - 5:00 p.m. 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 checkbox to the left of the articles they want to order, and selecting **Order** from the Send to drop-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. <https://www.ncbi.nlm.nih.gov/m/pubmed>



PubMed for Handhelds

A Web site for searching MEDLINE with the Web browser of any mobile device.

<https://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.

https://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.
<https://www.ncbi.nlm.nih.gov/feed/rss.cgi?ChanKey=PubMedNews>
- ▶ **PubMed-Alerts**, an announcement-only list, will notify subscribers of major system problems with PubMed.
<https://list.nih.gov/cgi-bin/wa.exe?SUBED1=pubmed-alerts&A=1>
- ▶ **PMC News** will notify subscribers of changes to the PMC system.
<https://www.ncbi.nlm.nih.gov/feed/rss.cgi?ChanKey=PMCNews>

Additional Resources

For further information, we recommend these additional resources:

- ▶ Non-English Guides to PubMed
<https://nmlm.gov/training/resources/intlpubmedlinks.html>
- ▶ PubMed Online Training
<https://www.nlm.nih.gov/bsd/disted/pubmed.html>
- ▶ PubMed Help (An online Help book)
<https://www.ncbi.nlm.nih.gov/books/nbk3830>
- ▶ PubMed Tutorial
<https://www.nlm.nih.gov/bsd/disted/pubmedtutorial>
- ▶ PubMed Update (Video)
<https://webmeeting.nih.gov/p64259100>
- ▶ PubMed Quick Tour: Simple Subject Search
<https://www.nlm.nih.gov/bsd/viewlet/search/subject/subject.html>
- ▶ PubMed Quick Tour: Search for an Author
<https://www.nlm.nih.gov/bsd/viewlet/search/author/author.html>
- ▶ Complementary and Alternative Medicine (CAM) on PubMed
<https://nmlm.gov/sites/default/files/migrated/cam-recommend.doc>
- ▶ LinkOut Help (NCBI)
<https://www.ncbi.nlm.nih.gov/books/NBK3806/>

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:

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

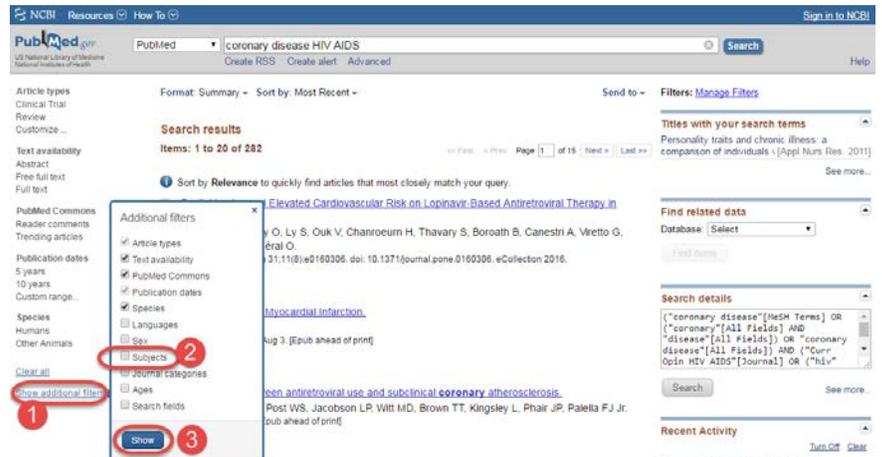
Search Example: What information has been written about the correlation between coronary disease and HIV/AIDS?

Suggested Solution:

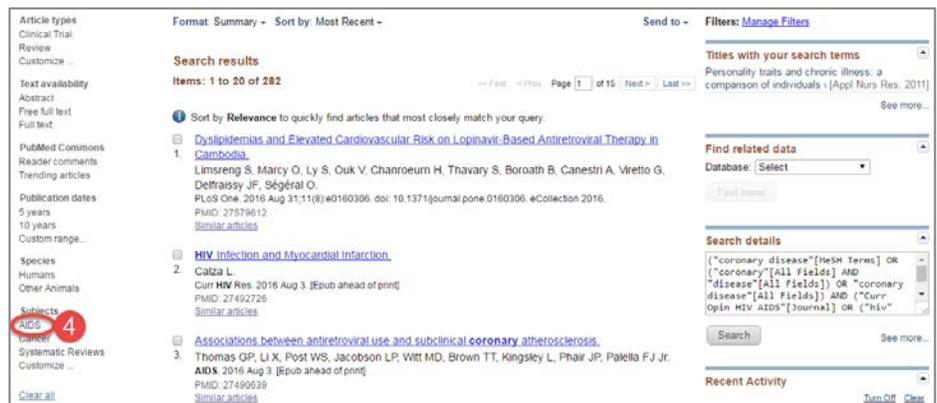
- ▶ Go to <https://pubmed.gov>
- ▶ Type **coronary disease HIV AIDS** in the Search box
- ▶ Click **Search**



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



- ▶ Click **AIDS**

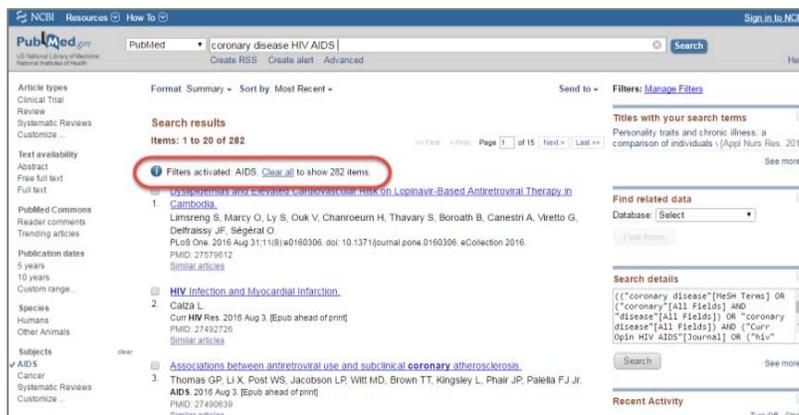


 Active Filters appear above the search results.

- ▶ 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 Search box

Click **Search**

Click **Show additional filters**

Select **Subjects** in the additional filters pop-up box

Click **Show**

Select **AIDS** under Subjects

 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 <u>Search</u> box |
| Click | Search |
|  | The Filters Activated message is still displayed. You are still searching the AIDS subset of PubMed. |
| 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 Zika and HIV coinfection.

Suggested Solution:

- | | |
|---|---|
| Type | zika HIV in the <u>Search</u> 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 <u>Search</u> box |
| Click | Search |
| Click | Show additional filters |
| Select | Sex |
| Click | Show |
| Click | Female under <u>Sex</u> |
| 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 Search box |
| Click | Search |
| Click | Display Settings and select Pub Date under Sort by |
| 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 Search box |
| Click | Search |
| Click | Show additional filters |
| Select | Languages in the pop-up box |
| Click | Show |
| Select | English under Languages |
| Click | 5 years under Publication Date |
| 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 Search 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 Show |

Click **Child: Birth-18 years** under [Ages](#)
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** under the search box
Type **African American faith** in the first [Search](#) box
Select **Author** from the second [Search Builder](#) drop-down menu
Type **wooster j** in the [Author](#) 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:](#) drop-down menu
Select **Abstract (text)** from the [Format](#) drop-down menu
Type e-mail address in the **E-mail** box
Type the word shown in the picture near the bottom of the e-mail pop-up
Click **E-mail**
 A confirmation e-mail sent message will be displayed above the results.

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

Suggested Solution #1:

Select **PMC** from the [Search](#) drop-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 **Sign in to NCBI** at the top right of the PubMed page
- Click **Register for an NCBI account**
- Follow the directions for setting up a username and password
-  A checked **Keep me signed in** box saves your My NCBI preferences on your computer in a persistent **cookie** file. It will also retain your password so that you do not need to sign in again. When using a public computer do not check this option.
- 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 e-mail 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 do not 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 5,000 items. Most likely you do not need all these files, so pay attention and select before you click.

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, the browser will prompt you to select where this file should be placed on your computer and 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. Make it a practice to select before you click.

- ▶ Click **Create File**

Saving Selected Citations from a Single Search

- ▶ Click the checkbox 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 **Hyper Text Markup Language (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 checkbox next to each citation you want to send to the Clipboard and select Clipboard from the **Send to:** drop-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 checkbox(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.
-  Your browser must be set to accept cookies to use the Clipboard. A cookie is information stored by a Web site server on your computer. See <http://www.ncbi.nlm.nih.gov/guide/browsers/> for more information.
-  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** and select My Bibliography from the Send to: drop-down menu. Click **Add to My Bibliography** and follow the on-screen directions to add the selected items.

Using the Collections Feature

- ▶ Click the checkbox next to each citation you want to send to the **Collections** and select Collections from the Send to: drop-down menu. Click **Add to Collections** and follow on-screen 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 a full-text 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 (United States 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 checkbox 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:** drop-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 article are displayed on the Abstract or Citation display. LinkOut[®] is a PubMed feature that links to outside sources for the full-text 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: drop-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 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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Section 8: Public Health Partners



Public Health Partners

Partners in Information Access for the Public Health Workforce (PHP) is a collaboration of US 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.

<https://phppartners.org>

The Partners

- ▶ Agency for Healthcare Research and Quality (AHRQ)
- ▶ American Public Health Association (APHA)
- ▶ Association of Schools and Programs of Public Health (ASPPH)
- ▶ 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 the **Public Health Topics** drop-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 homepage 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 **Current Public Health News** items can be found on the homepage. 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. https://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. https://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
<https://www.nlm.nih.gov/nno/partners.html>
- ▶ Public Health Information and Data Tutorial
<https://phpartners.org/tutorial>
- ▶ Public Health Information and Data: A Training Manual
<https://phpartners.org/pdf/phmanual.pdf>

Public Health Partners Search Exercises

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

- ▶ Go to <https://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



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 a 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 access data for low-income populations.

Suggested Solution:

- Click **Nutrition** under [Public Health Topic Pages](#)
- Click **Data and Statistics** in the list of topics under [Nutrition](#)
- Click **Food Access Research Atlas**
- 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 to an area where the tap water may be contaminated with Cryptosporidium. If the water is filtered, will it be safe for me to drink?

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) US)**
- Click **Prevention and Risk Factors** under [Basics](#)
- Click **Cryptosporidium: A Guide to Water Filters** (Centers for Disease Control and Prevention)
- Review the information retrieved
- 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 PHP Web site.

Click

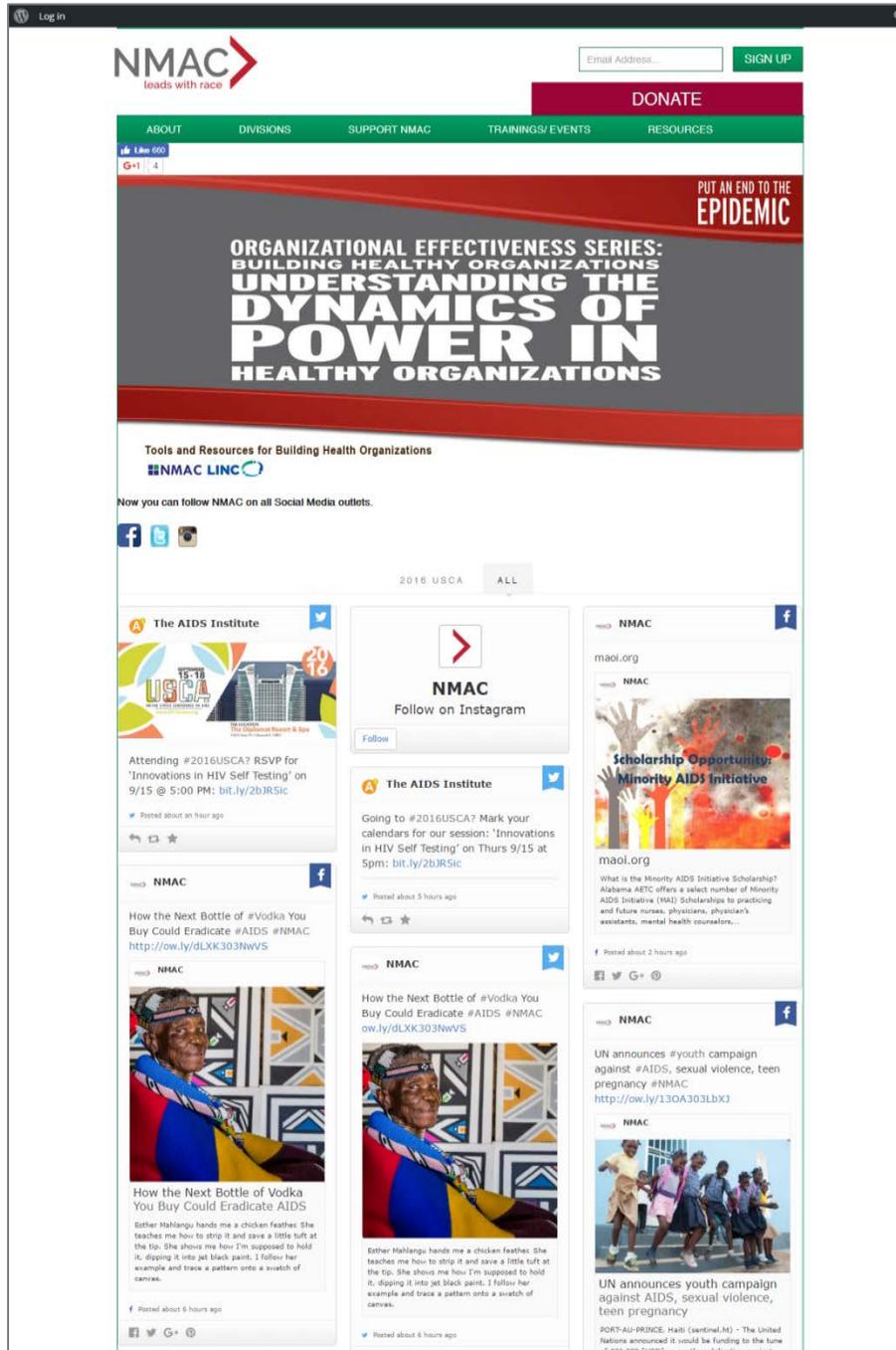
Home at the top of the PHP page to prepare for the next search

Section 9: Additional Resources



National Minority AIDS Council

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



<http://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)
- ▶ 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 (NMAC Publication Download Library)
- ▶ Calendar of Events

Office of AIDS Research

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

The screenshot shows the homepage of the NIH Office of AIDS Research. At the top, there is a navigation bar with links for 'Printer Friendly', 'Site Map', and 'Contact Us'. Below this is the NIH logo and the text 'National Institutes of Health Office of AIDS Research'. A search bar is located on the right side of the header. The main content area features a large banner image of a pipette and test tubes with a yellow box containing the text 'First HIV Blood Test' and a reference to the New York Times from 1985. A sidebar on the left contains a menu with items like 'ABOUT OAR', 'SCIENTIFIC AREAS', 'STRATEGIC PLAN', 'NIH AIDS RESEARCH BUDGET', 'OARAC', 'OAR SPECIAL INITIATIVES', and 'HIV/AIDS INFORMATION'. The main content area is divided into several sections: 'Welcome to the Office of AIDS Research' with a photo of Dr. Goodenow and her biography; 'About OAR' with a description of the office's role; 'NIH HIV/AIDS Research Priorities' with a list of priorities and a link to a statement on NIH efforts; 'In Memoriam' with a photo of Dr. William E. Baul and his obituary; 'Meetings and Events' with links to upcoming council and sponsored meetings; 'Recent Updates' with a link to the OARAC Roster; and 'Resources for Researchers' with links to funding, grant applications, training, and literature sources. The footer contains various links and contact information.

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

Strategic Plan

- ▶ [Trans-NIH Plan for HIV-Related Research](#)

HIV/AIDS Information (links)

- ▶ [US and Global Statistics](#)
- ▶ [Treatment and Prevention Guidelines](#)
- ▶ [CDC Interim Guidance regarding HIV infection and Swine Origin Influenza A \(H1N1\) virus](#)
- ▶ [Clinical Trials Information](#)
- ▶ [National Institute of Allergy and Infectious Diseases \(NIAID\) 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 \(information page\)](#)

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 health care 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.

Recommended Sections

- ▶ **Minority Health**
<http://www.cdc.gov/minorityhealth>
- ▶ **Health Equity: A Selected Bibliography**
<http://www.cdc.gov/chronicdisease/healthequity>
- ▶ **Tools and Training**
<http://www.cdc.gov/healthyyouth/tools>

<http://cdc.gov>

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Selected Internet Resources in HIV/AIDS

- ▶ AIDS.GOV
<http://aids.gov>
- ▶ AIDS Action Committee of Massachusetts
<http://aac.org>
- ▶ AIDS History Project
<http://www.library.ucsf.edu/collections/archives/manuscripts/aids>
- ▶ AIDS Images Library
<http://www.aids-images.ch>
- ▶ AIDS InfoNet
<http://www.aidsinfonet.org>
- ▶ AIDS Project Los Angeles
<http://www.apla.org>
- ▶ AIDS Resource List
<http://www.specialweb.com/aids>
- ▶ AIDS Treatment News
<http://www.thebody.com/content/art31573.html>
- ▶ AIDS*info*
<https://aidsinfo.nih.gov>
- ▶ Aidsmap
<http://www.aidsmap.com>
- ▶ All the Virology on the WWW
<http://www.virology.net/garryfavweb.html>
- ▶ American Foundation for AIDS Research (amfAR) Global Link
<http://www.amfar.org/globalink>
- ▶ American Red Cross
<http://www.redcross.org>
- ▶ Australian Federation of AIDS Organisations
<http://www.afao.org.au>
- ▶ The Body
<http://www.thebody.com>

- ▶ Canadian AIDS Treatment Information Exchange
<http://www.catie.ca>
- ▶ Canadian HIV Trials Network
<http://www.hivnet.ubc.ca/home>
- ▶ Center for AIDS Prevention Studies
<http://www.caps.ucsf.edu>
- ▶ Centers for Disease Control and Prevention (CDC) HIV/AIDS
<http://www.cdc.gov/hiv>
- ▶ Critical Path AIDS Project
<http://www.critpath.org>
- ▶ GMHC on the Web Gay Men's Health Crisis
<http://www.gmhc.org>
- ▶ Healthfinder.gov
<https://www.healthfinder.gov>
- ▶ Health Resources and Services Administration (HRSA) HIV/AIDS Program:
Caring for the Underserved
<http://www.hab.hrsa.gov>
- ▶ Health Services/Technology Assessment Text (HSTAT)
<https://www.ncbi.nlm.nih.gov/books/?term=HSTAT>
- ▶ HIV Databases
<http://www.hiv.lanl.gov>
- ▶ HIV InSite
<http://hivinsite.ucsf.edu>
- ▶ HIV/AIDS Surveillance (US Census Bureau)
<http://www.census.gov/population/international/data/hiv>
- ▶ HIV/AIDS Vaccines
<http://www.niaid.nih.gov/topics/hivaids/research/vaccines>
- ▶ HIVandHepatitis.com
<http://hivandhepatitis.com>
- ▶ HIVdent (dental information)
<http://www.hivdent.org>
- ▶ HIVpositive.com
<http://www.hivpositive.com>

HIV/AIDS INFORMATION RESOURCES FROM NLM

- ▶ How to Find Reliable HIV/AIDS Treatment Information on the Internet
<https://www.sis.nlm.nih.gov/outreach/hivaidstreatmentmanual.pdf>
- ▶ International AIDS Society
<http://www.iasociety.org>
- ▶ International Association of Physicians in AIDS Care
<http://www.iapac.org>
- ▶ Johns Hopkins HIV Guide
http://www.hopkinsguides.com/hopkins/ub/index/Johns_Hopkins_HIV_Guide/All_Topics/A
- ▶ Joint United Nations Programme on HIV/AIDS
<http://www.unaids.org>
- ▶ MedlinePlus AIDS
<https://medlineplus.gov/hiv aids.html>
- ▶ Medscape HIV/AIDS
<http://www.medscape.com/hiv>
- ▶ National AIDS Treatment Advocacy Project (NATAP)
<http://www.natap.org>
- ▶ National HIV/AIDS Clinicians' Consultation Center (NCCC)
<http://www.nccc.ucsf.edu>
- ▶ National Institute of Allergy and Infectious Diseases (NIAID)
<http://www.niaid.nih.gov>
- ▶ National Institutes of Health (NIH) Office of AIDS Research (OAR)
<http://www.oar.nih.gov>
- ▶ National Library of Medicine HIV/AIDS Portal / AIDSsource
<https://aids.nlm.nih.gov>
- ▶ National Minority AIDS Council
<http://nmac.org>
- ▶ National Prevention Information Network
<http://www.cdcnpin.org>
- ▶ NIAID Division of Acquired Immunodeficiency Syndrome
<http://www.niaid.nih.gov/about/organization/daids>
- ▶ Partners in Information Access for the Public Health Workforce—HIV
<https://phpartners.org/hiv aids.html>

- ▶ Positive.org
<http://www.positive.org/Home>
- ▶ Project Inform
<http://www.projectinform.org>
- ▶ PubMed
<https://pubmed.gov>
- ▶ PubMed Instructional Materials (NLM)
https://www.nlm.nih.gov/pubs/web_based.html
- ▶ PubMed Tutorial (NLM)
<https://www.nlm.nih.gov/bsd/disted/pubmedtutorial>
- ▶ Rural Center for AIDS/STD Prevention
<http://www.indiana.edu/~aids>
- ▶ San Francisco AIDS Foundation
<http://www.sfaf.org>
- ▶ Social Security Administration
<https://www.ssa.gov>
- ▶ US Department of Health and Human Services
<https://www.hhs.gov>
- ▶ US Food and Drug Administration, HIV and AIDS
<http://www.fda.gov/ForPatients/Illness/HIVAIDS>
- ▶ World Health Organization, Tuberculosis
<http://www.who.int/tb/en>

Selected Internet Resources in Health

Agency for Healthcare Research and Quality

<http://www.ahrq.gov>

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

American Medical Association

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

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

BioMed Central

<https://www.biomedcentral.com/journals>

Free access to a wide variety of more than 100 journals and other services. The Quick Search feature allows searching of BioMed Central, and also PubMed and PubMed Central.

CDC Diseases and Conditions

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

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

CDC Environmental Health

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

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

Center for Drug Evaluation and Research

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

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

ClinicalTrials.gov

<https://clinicaltrials.gov>

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

CNN Health

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

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

Directory of Open Access Journals

<http://www.doaj.org>

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

Doctor's Guide

<http://www.docguide.com>

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

US Food and Drug Administration

<http://www.fda.gov>

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

Health Disparities/CDC Minority Health

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

Links to extensive information on health disparities organized on the homepage by Topics, Quick Links, Key Resources, Programs and Campaigns, and other features.

Health Hotlines

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

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

Health Literacy

<http://www.hrsa.gov/publichealth/healthliteracy>

The US Department of Health and Human Services, Health Resources and Services Administration, offers health literacy tools for public health professionals.

Healthfinder

<https://healthfinder.gov>

A Web site of the US government with links to accurate, reliable consumer health information.

Healthy People 2020

<https://www.healthypeople.gov>

A health initiative for the nation coordinated by the Office of Disease Prevention and Health Promotion of the US 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.

Healthy People 2010 Information Access Project

<https://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. It 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

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

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

MedicineNet

<http://www.medicinenet.com>

A network of physician educators dedicated to providing up-to-date, quality medical information for the public. Links from this site include subject areas such as HealthNews of the week, Diseases & Conditions, Image Collection, Symptom Checker, Med Terms Dictionary, and Medication Information.

MedlinePlus

<https://medlineplus.gov>

A consumer health Web site from the National Library of Medicine, provides 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 nonprescription drugs, health information from the media, and links to thousands of clinical trials. MedlinePlus is updated daily. Available in English and Spanish.

Medscape®

<http://www.medscape.com>

Medscape, from WebMD®, offers integrated medical information and education tools to medical specialists, primary care physicians, and other health professionals. 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 send the specialty page that best fits your profile.

My Family Health Portrait

<https://familyhistory.hhs.gov>

A tool from the US Surgeon General that allows users to create a family tree (drawing) and a 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 be included. Also, 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®

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

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

National Library of Medicine Free Biomedical Literature Resources

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

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

National Medical Association

<http://www.nmanet.org>

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

National Women's Health Information Center

<http://www.womenshealth.gov>

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

NIH Health Information

<https://www.nih.gov/health-information>

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.

Office of Minority Health, US Department of Health and Human Services

<http://www.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, nonprofit/national advocacy/private organizations, and minority group health sites.

Public Health Partners (PHP)

<https://phpartners.org>

A collaboration of US 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

<https://phpartners.org/tutorial>

This tutorial from Public Health Partners (PHP) 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.

PubMed®/MEDLINE®

<https://pubmed.gov>

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

Rural Health Information Hub

<https://www.ruralhealthinfo.org/states>

The Rural Health Information Hub (RHlhub) is an information portal supported by the US Department of Health and Human Services' Federal Office of Rural Health Policy. Its objective is to provide rural communities and stakeholders access to the full range of programs, funding, and research available to enable them to provide quality health and human services to rural residents.

Virtual Pediatric Hospital

<http://www.virtualpediatrichospital.org>

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

WebMD

<http://www.webmd.com>

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

WholeHealthMD

<http://www.wholehealthmd.com>

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

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Savvy Health Surfing

Questions to Ask About Health-Related Web Sites

Authority and Accuracy

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

Coverage

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

Currentness

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

Objectivity

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

Design Features

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

Contact the National Library of Medicine for Database Assistance

Toll-free: 888.FIND.NLM (346.3656)

E-mail: custserv@nlm.nih.gov

Online Resources

Resource	URL
National Library of Medicine Training Center	https://nlm.gov/ntc
NLM HIV/AIDS Training Resources	https://sis.nlm.nih.gov/outreach/training_exhibits.html
Promotional Materials	https://sis.nlm.nih.gov/outreach/promotional_materials.html#hiv
Fact Sheets	https://www.nlm.nih.gov/pubs/factsheets
Frequently Asked Questions	https://www.nlm.nih.gov/services/faq.html

See Help and FAQ links on each database homepage.

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: <https://nlm.gov>

