

HIV/AIDS

Information Resources

from the
National
Library
of Medicine®





U.S. National Library of Medicine

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

Updated June 2017

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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Table of Contents

Preface	i
Table of Contents	iii
Section 1: Introduction	v
Introduction	3
Section 2: Navigating the Web for Health Information	5
Finding Quality Health Information on the Internet	7
Savvy Health Surfing Exercises	9
Section 3: AIDSsource	11
AIDSsource	13
AIDSsource Search Exercises	17
Section 4: AIDSinfo®	19
AIDSinfo®	21
AIDSinfo® Search Exercises	25
Section 5: ClinicalTrials.gov®	35
ClinicalTrials.gov®	37
ClinicalTrials.gov® Search Exercises	43
Section 6: MedlinePlus®	49
MedlinePlus®	51
MedlinePlus® Search Exercises	55
Section 7: PubMed®/MEDLINE®	63
PubMed®/MEDLINE®	65
My NCBI	69
MEDLINE® and MedlinePlus®: What Is the Difference?	71
PubMed®/MEDLINE® Search Exercises	73
Saving and Printing Records in PubMed®	81

Section 8: Public Health Partners	85
Public Health Partners	87
Public Health Partners Search Exercises	89
Section 9: Additional Resources	93
National Minority AIDS Council	95
Office of AIDS Research	97
Centers for Disease Control and Prevention	99
Selected Internet Resources in HIV/AIDS	101
Selected Internet Resources in Health	105
Savvy Health Surfing	113

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. A comprehensive Spanish version is also available
- ▶ **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 and "NLM Customer Support".

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.
- Featured Content:** A central banner for "Tox-App" (an iOS Mobile App based on NLM TOXMAP) with four numbered thumbnails. Below it, text reads: "Tox-App: a TOXMAP-like app for iOS. Tox-App helps users search for US EPA Toxics Release Inventory (TRI) facilities releasing any of 100 selected TRI chemicals in the most current TRI year."
- 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, National Network of Medical Libraries, Regional Activities, Careers @ NLM, Mobile Gallery.
- News, Events, Videos:** A list of recent news items, including "NLM VSAC Publishes Updated Electronic Clinical Quality Measure Value Sets for 2018 Reporting (05/08/17)", "Landstuhl Regional Medical Center to Coordinate Tour of NLM Traveling Exhibitions (05/08/17)", "NLM Announces First Complete Major Release of SimpleTK (05/04/17)", and "National Library of Medicine Announces Departure of NCBI Director Dr. David Lipman (05/03/17)".

At the bottom, there are icons for "Technical Bulletin", "Connect with NLM" (social media), "Musings from the Mezzanine", "NLM in Focus Newsletter", and "Databases & APIs".

Footer information includes: Copyright, Privacy, Accessibility, Site Map, Viewers and Players; U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894; National Institutes of Health, Health & Human Services; Freedom of Information Act, NLM Customer Support. On the right, it states: Last reviewed: 08 May 2017, Last updated: 08 May 2017, First published: 10 October 1993. The USA.gov logo is also present.

<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>
- ▶ 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.

#	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, HIV/AIDS policies and organizational 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 Web site are organized by both topic of interest and audience. A comprehensive Spanish version is also available (see <https://aids.nlm.nih.gov/espanol>).

AIDSOURCE
ONE SOURCE FOR HIV/AIDS INFORMATION

NIH U.S. National Library of Medicine **En Español**

> Home > About Us > Contact Us

Browse HIV/AIDS Topics Select Audience

AIDSource - PrEP Navigation Resources
Visit links to resources about PrEP navigation, including information about PrEP, locator tools, and videos.
[Read more >](#)

Basic HIV/AIDS Information | HIV Prevention | HIV Treatment | HIV-Related Conditions | HIV/AIDS Policies and Organizational Programs | Living with HIV/AIDS | Medical Practice Guidelines | Mobile Resources | Multimedia | News Resources | Research | Specific Populations | Statistics and Surveillance | Training Resources

<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 Prevention**—information on domestic violence, prevention programs and organizations, transmission and risk behaviors, medical practice guidelines, mother-to-child transmission, PEP/PrEP, testing, and training resources
- ▶ **HIV Treatment**—topics include adherence, treatment, services and assistance, medical practice guidelines, medication, side effects, training resources and treatment failure/drug resistance
- ▶ **HIV-Related Conditions**—basic and advanced information on HIV-related conditions
- ▶ **HIV/AIDS Policies and Organizational 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 Web sites
- ▶ **Multimedia**—audio, video, photos, illustrations, and slide sets
- ▶ **News Resources**—blogs, news, and newsletters/e-news publications
- ▶ **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
- ▶ **HIV Navigation Resources**—tools and resources related to HIV such as peer navigators, peer programs, and interventions
- ▶ **PrEP Navigation Resources**—resources with information about PrEP navigation

Browsing Topics by Category

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

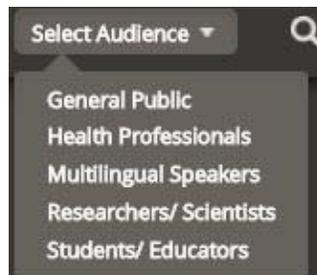


You can also click “Browse HIV/AIDS Topics” for quick access to specific topics.



Browsing Topics by Audience

To view AIDSsource content relevant to a specific audience, such as the general public, health professionals, multilingual speakers, researchers/scientists, 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**.



AIDSource Spanish

To view Spanish-language AIDSource resources, click the  button in the upper right corner of the Web page. You will be directed to the Spanish version of AIDSource with reliable HIV-related resources in Spanish organized by topic and subtopic. You can also utilize the search option in the Spanish version of AIDSource.

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>.



Apps/Mobile Web sites

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



Twitter

AIDSource offers a list of Twitter handles corresponding to organizations that provide HIV/AIDS-related information at <https://aids.nlm.nih.gov/twitter>. To view posts about AIDSource on Twitter, search for the AIDSource hashtag (#AIDSource) or visit <https://twitter.com/hashtag/aidsource>.



Facebook

AIDSource offers a list of Facebook pages for HIV/AIDS-related organizations at <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 () at the top right of the page
- Enter **hepatitis** in the search box
- Click the **Search** button 
- Review the search results returned
-  For searches with more than 10 search results, click the **Load More** button at the bottom of the search results page to view additional results.

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Section 4: *AIDSinfo*[®]



AIDSinfo®

AIDSinfo, a service of the U.S. Department of Health and Human Services (HHS), offers access to the latest, federally approved HIV/AIDS medical practice guidelines, HIV treatment and prevention clinical trials, and other research information for health care providers, researchers, people affected by HIV/AIDS, and the general public. A comprehensive Spanish version (*infoSIDA*) is also available (see <https://infosida.nih.gov/>).

Contact Us | En Español

AIDSinfo OFFERING INFORMATION ON HIV/AIDS TREATMENT, PREVENTION, AND RESEARCH

Search AIDSinfo

Home Guidelines Understanding HIV/AIDS Drugs Clinical Trials Apps

Learn about HIV in our new "Understanding HIV/AIDS" section

Click Here

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

Understanding HIV/AIDS

Links to HIV/AIDS-related resources

- Fact Sheets
- Infographics
- Glossary
- HIV/AIDS Awareness Days

Drugs

Information on FDA-approved HIV/AIDS and opportunistic infection drugs and investigational HIV/AIDS drugs

- HIV/AIDS-Related Drugs

Clinical Trials

Search tool to find HIV/AIDS-related clinical trials

- HIV/AIDS-Related Clinical Trials
- HIV Preventive Vaccine Clinical Trials
- HIV Therapeutic Vaccine Clinical Trials

Free Mobile Apps

Download these free applications for your iOS and Android devices.

- Guidelines** [App Store] [Google Play]
- Drug Database** [App Store] [Google Play]
- Glossary** [App Store] [Google Play]

News

- May 18, 2017 NIH Statement on HIV Vaccine Awareness Day
- May 10, 2017 Cell Particles May Help Spread HIV Infection
- May 5, 2017 AIDSinfo At-a-Glance Issue 10

More News

HIV Discordant Couples

HIV and AIDS: What's the difference?

HIV and Birth Control

Women with HIV can use all forms of birth control to prevent pregnancy.

View AIDSinfo infographics!

1 2 3 4 5

Facebook Twitter RSS Share Widgets

Email Updates

QUICK LINKS

Home About Contact Us APIs Privacy Policy FOIA Accessibility Sponsors Order Publications

<https://aidsinfo.nih.gov>

Organization and Features

AIDSinfo is organized around five 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
- ▶ **Understanding HIV/AIDS**—patient education materials which include fact sheets, infographics, HIV/AIDS glossary, and web pages highlighting National HIV/AIDS Awareness Days
- ▶ **Drugs**—records for FDA-approved and investigational HIV/AIDS-related drugs: Patient and Health Professional versions are available
- ▶ **Clinical Trials**—search tool that provides access to HIV/AIDS-related *ClinicalTrials.gov* study records
- ▶ **Apps**—free downloadable on-the-go access to AIDSinfo Guidelines, Drug Database, and Glossary applications on HIV/AIDS; available for iOS and Android devices

Additional features offered in AIDSinfo include the following:

- ▶ **AIDSinfo Contact Us**—health information specialists provide customized, confidential answers to questions about HIV/AIDS clinical trials and treatment
- ▶ **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.



AIDSinfo Spanish

To view Spanish-language AIDSinfo resources, click the [En Español](#) button in the upper right corner of the Web page. You will be directed to the Spanish version of AIDSinfo (*infoSIDA*) with federally approved HIV/AIDS medical practice guidelines, HIV treatment and prevention clinical trials, and other research information for health care providers, researchers, people affected by HIV/AIDS, and the general public. You can also utilize the search option in the Spanish version of AIDSinfo.

Clinical Guidelines

Search by keywords in the Adult and Adolescent, Perinatal, Pediatric, HIV-Infected Residents Displaced from Disaster Areas Guidelines or browse the current and archived guidelines.

Understanding HIV/AIDS

Find HIV/AIDS-related resources (fact sheets, infographics, glossary, awareness day pages) for easy-to-understand information.

AIDSinfo Drug Database

Search by key words, approval status, drugs, drug class, or conditions and search alphabetically.

AIDSinfo Clinical Trials Database

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

Apps

Free downloadable on-the-go access to AIDSinfo Guidelines, Drug Database, and Glossary applications on HIV/AIDS.

Stay Connected



Mobile-Friendly

The AIDSinfo Web 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 iOS and Android devices. Download apps at [**https://aidsinfo.nih.gov/apps**](https://aidsinfo.nih.gov/apps)



Twitter

Twitter provides *AIDSinfo* users with timely and updated health news and information. Join and follow at @AIDSinfo at [**https://twitter.com/aidsinfo**](https://twitter.com/aidsinfo)



Get E-mail Updates

Subscribe to the *AIDSinfo* weekly e-newsletter, *At-a-Glance*, to receive notice of Web site updates, HIV/AIDS news, and HIV/AIDS medical practice updates. Sign up at [**https://aidsinfo.nih.gov/e-news**](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. Like the *AIDSinfo* page at [**https://facebook.com/AIDSinfo**](https://facebook.com/AIDSinfo)

Additional Resources

For further information, we recommend these additional resources:

- ▶ *AIDSinfo* Brochure
[**https://aidsinfo.nih.gov/contentfiles/ai_brochure.pdf**](https://aidsinfo.nih.gov/contentfiles/ai_brochure.pdf)
- ▶ *AIDSinfo* Glossary
[**https://aidsinfo.nih.gov/contentfiles/GlossaryHIVrelatedTerms_English.pdf**](https://aidsinfo.nih.gov/contentfiles/GlossaryHIVrelatedTerms_English.pdf)
- ▶ Glosario del VIH/SIDA
[**https://aidsinfo.nih.gov/ContentFiles/SpanishGlossary_sp.pdf**](https://aidsinfo.nih.gov/ContentFiles/SpanishGlossary_sp.pdf)
- ▶ *infoSIDA*
[**https://infosida.nih.gov**](https://infosida.nih.gov)
- ▶ AIDS.gov HIV/AIDS Feeds
[**https://aidsinfo.nih.gov/rss**](https://aidsinfo.nih.gov/rss)

AIDSinfo® Search Exercises

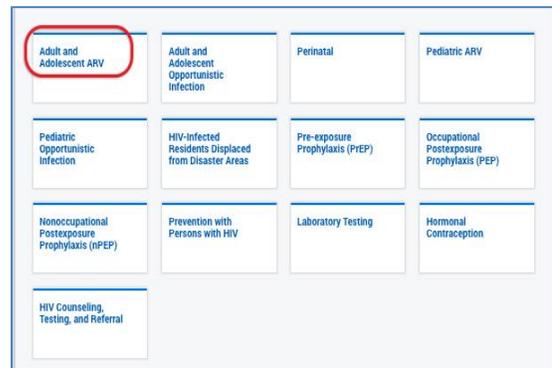
Search Example: Locate the latest guidance on initial and follow-up laboratory testing recommendations in adults and adolescents living with HIV.

Suggested Solution

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



- ▶ Click **Adult and Adolescent ARV**



- ▶ Click **Tests for Initial Assessment and Follow-up** under Laboratory Testing in the left navigation menu



- ▶ Review the section and hit the browser's **Back** button to return to *AIDSinfo*

Search Exercises

Guidelines

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

Suggested Solution:

- Click **Guidelines** at the top of the page
- Click **HIV-Infected Residents Displaced from Disaster Areas**
- Click **Full Guideline** under Download Guidelines
- Review the guidelines and then close the CDC window

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

Suggested Solution:

- Click **Guidelines** at the top of the page
- Select **Adult and Adolescent ARV** from the drop-down menu under Guidelines Search
- Type **treatment naive** in the Search box
- Click the **Search** button ()
- Click **Initiation of Antiretroviral Therapy**
- Review **the guidelines**

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

Suggested Solution:

- Click **Guidelines** at the top of the page
- Click **Prevention with Persons with HIV**
- Review the guidelines and then use the browser's **Back** button to return to *AIDSinfo*

Exercise 4: Review the most recent Guidelines news topic. Next, subscribe to the AIDSinfo biweekly e-newsletter (optional).

Suggested Solution:

- Click **Guidelines** at the top of the page
- Click the **first topic** under News at the bottom left of page
- Review the information and then use the browser's **Back** button to return to Guidelines
- Click **Email updates** at the bottom of the page and follow the on-screen instructions to subscribe to *AIDSinfo At-a-Glance*

Exercise 5: Perform a Guideline search of your choice.

Understanding HIV/AIDS

Exercise 6: Browse the fact sheets.

Suggested Solution:

- Click **Understanding HIV/AIDS** at the top of the page
- Click **Fact Sheets**
- Review the fact sheet(s) of your choice
- Click the browser's **Back** button to return to the Understanding HIV/AIDS page

Exercise 7: The population over the age of 50 is one of the fastest-growing groups living with HIV. Locate fact sheets for this population.

Suggested Solution:

- Click **Understanding HIV/AIDS** at the top of the page
- Click **View Fact Sheets**
- Click **HIV and Older Adults** under HIV and Specific Populations

- Review the information provided
- Close use the browser's **Back** button to return to the [Understanding HIV/AIDS](#) page

Exercise 8: Using the glossary, locate the definition of undetectable viral load.

Suggested Solution:

- Click **Understanding HIV/AIDS** at the top of the page
- Click **Glossary**
- Type **undetectable viral load** in the [Search the Glossary](#) search box
- Click the **Search** button ()
- Click **Undetectable Viral Load**
- Review the definition

Exercise 9: What are the most common causes of blips and what are some ways to avoid blips?

Suggested Solution:

- Click **Understanding HIV/AIDS** at the top of the page
- Click **Infographics**
- Click **What's a Blip?** infographic
- Review the information on blip
- Close use the browser's **Back** button to return to the [Understanding HIV/AIDS](#) page

Exercise 10: View National HIV/AIDS Awareness days.

Suggested Solution:

- Click **Understanding HIV/AIDS** at the top of the page
- Click **Awareness Day Pages**
- Review HIV/AIDS Awareness Day(s) of your choice
- Close use the browser's **Back** button to return to the [Understanding HIV/AIDS](#) page

Drugs

Exercise 11: The U.S. Food and Drug Administration (FDA) approved a generic formulation of Ziagen, a Nucleoside Reverse Transcriptase Inhibitor. What is the generic name?

Suggested Solution:

- Click **Drugs** at the top of the page
- Type **ziagen** in the Search box
- Click the **Search** button ()
- Click **Abacavir**
- Review the **Other Names** section

Exercise 12: Using the A-Z Index, review the Spanish record for the drug Combivir.

Suggested Solution:

- Click **Drugs** at the top of the page
- Click **C** under the Browse Drug Names A-Z
- Click **Combivir**
- Click **En Español** to the upper right of the page
- Click **English** to return to the AIDSinfo Drug Database

Exercise 13: Truvada has been approved as a pre-exposure prophylaxis (PrEP). What are the side effects of taking this drug?

Suggested Solution:

- Click **Drugs** at the top of the page
- Type **truvada** in the Search Drugs box
- Click the **Search** button ()
- Click **Truvada**
- Review the information under **What side effects can Truvada cause?**

Exercise 14: Are heart problems a side effect of Maraviroc? Use the A–Z Index.

Suggested Solution:

- Click **Drugs** at the top of the page
- Click **M** under the Browse Drug Name A-Z section
- Click **Maraviroc (HIV Treatment)**
- Scroll to **What side effects can maraviroc cause?**

Exercise 15: View the list of investigational Integrase Inhibitors. Review the clinical trial status of one of the investigational drugs.

Suggested Solution:

- Click **Drugs** at the top of the page
- Click **Filter by approval status, drug class, and condition** under the Search Drugs box
- Select **Investigational** under the Approval: section
- Select **Integrase Inhibitors** under the Class: section
- Click the **Update** button 
- Click an **investigational Integrase Inhibitor** of your choice
- Click **research studies** under Where can I get more information about clinical trials studying.....?
- Click a clinical trial record of your choice
- Review the clinical status of the clinical trial record you chose and close the ClinicalTrials.gov window

Exercise 16: In 2016, the U.S. Food and Drug Administration (FDA) approved Descovy, a combination drug, to treat HIV. What is the mode of delivery and fixed doses of emtricitabine/tenofovir AF in Descovy?

Suggested Solution:

- Click **Drugs** at the top of the page
- Type **descovy** in the Search box
- Click the **Search** button ()
- Click **descovy**
- Click **Tablet (film coated)** under FDA Label(s) to the left of the page

- Click **Dosage & Administration** under [FDA Drug Label Sections](#)
- Review the information under **Dosage Forms and Strengths**

Exercise 17: Review the most recent Drug News topic.

Suggested Solution:

- Click **Drugs** at the top of the page
- Click the first topic under **Drug News** to the right of the page
- Click the browser's **Back** button or close the pop-up window to return to the Drug Database
-  Click **More News** to view archived news topics.

Exercise 18: What is the recommended oral suspension dose of Nevirapine for newborns?

Suggested Solution:

- Click **Drugs** at the top of the page
- Type **nevirapine** in the [Search](#) box
- Click the **Search** button ()
- Click **nevirapine**
- Click **Suspension, tablet** under FDA Label(s) to the left of the page
-  Detailed drug dosing information is provided only in the health professional version (FDA Label).
- Click **Dosage & Administration** under [FDA Drug Label Sections](#)
- Review the information for pediatric patients

Clinical Trials

Exercise 19: Oral candidiasis is a condition some HIV-infected individuals may have. Are there any clinical trials studying this condition?

Suggested Solution:

- Click **Clinical Trials**
- Type **oral candidiasis** in the [Search by Keyword](#) box
- Click the **Search** button ()
- Review clinical trial(s) of your choice

Exercise 20: 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 **Show More**
- 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 the **Search** button 
- Review the clinical trial record(s)
- Select **Studies seeking new volunteers** from the All Studies drop-down menu
- Review the clinical trial record(s) and close the ClinicalTrials.gov window

Exercise 21: 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 **Show More**
- Type **cognitive behavioral therapy** in the Interventions search box
- Select **Phase 3** in the Phase: search field
- Click the **Search** button 
- Review the clinical trial record(s) and close the ClinicalTrials.gov window

Exercise 22: Using the “Search by Category” feature, locate clinical trials that are studying Long-term Nonprogressors.

Suggested Solution:

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

Exercise 23: 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 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 [Clinical Trials page](#)
- Click the **Clinical Trials** tab at the top of the page
- Click **AIDSinfo Fact Sheet: HIV/AIDS Clinical Trials** under [Related Content](#) at the bottom of the page
- Review the fact sheet and close the pop-up window
-  The fact sheet is also available in the Understanding HIV/AIDS section

Exercise 24: Find all HIV/AIDS clinical trials in your home state.

Suggested Solution:

- Click **Clinical Trials**
- Click **Show More**
- Select a **state** from the [State](#) drop-down menu
- Click the **Search** button 
- Review the clinical trial record(s)

Apps

Exercise 25: Browse the apps section.

Suggested Solution:

- Click **Apps** at the top of the page
- Review available apps for download for iOS and Android devices
- Close use the browser’s **Back** button to return to the [AIDSinfo](#) home page

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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.

▲ IMPORTANT: Listing of a study on this site does not reflect endorsement by the National Institutes of Health. Talk with a trusted healthcare professional before volunteering for a study. [Read more...](#)

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

Find Studies ▾ About Studies ▾ Submit Studies ▾ Resources ▾ About Site ▾

Saved Studies (0) [Give us feedback](#)

ClinicalTrials.gov is a registry and results database of publicly and privately supported clinical studies of human participants conducted around the world.

Search (all fields optional)

Condition / Disease: e.g. breast cancer X

Other Terms: e.g., NCT number, drug name, investigator name X

Country: X

[Find a study to participate in](#) [Search all studies](#) [Advanced Search](#)

[Help](#) | [Studies by Topic](#) | [Studies on Map](#) | [Glossary](#)

The database currently lists 247,748 studies with locations in all 50 States and in 202 countries.

Recruiting Study Locations

- Non-U.S. only (57%)
- U.S. only (38%)
- Both U.S. and non-U.S. (5%)

43,291 recruiting studies (June 20, 2017)

More Information

- [For Patients and Families](#)
- [For Researchers](#)
- [For Study Record Managers](#)

HOME | RSS FEEDS | SITE MAP | TERMS AND CONDITIONS | DISCLAIMER | CUSTOMER SUPPORT

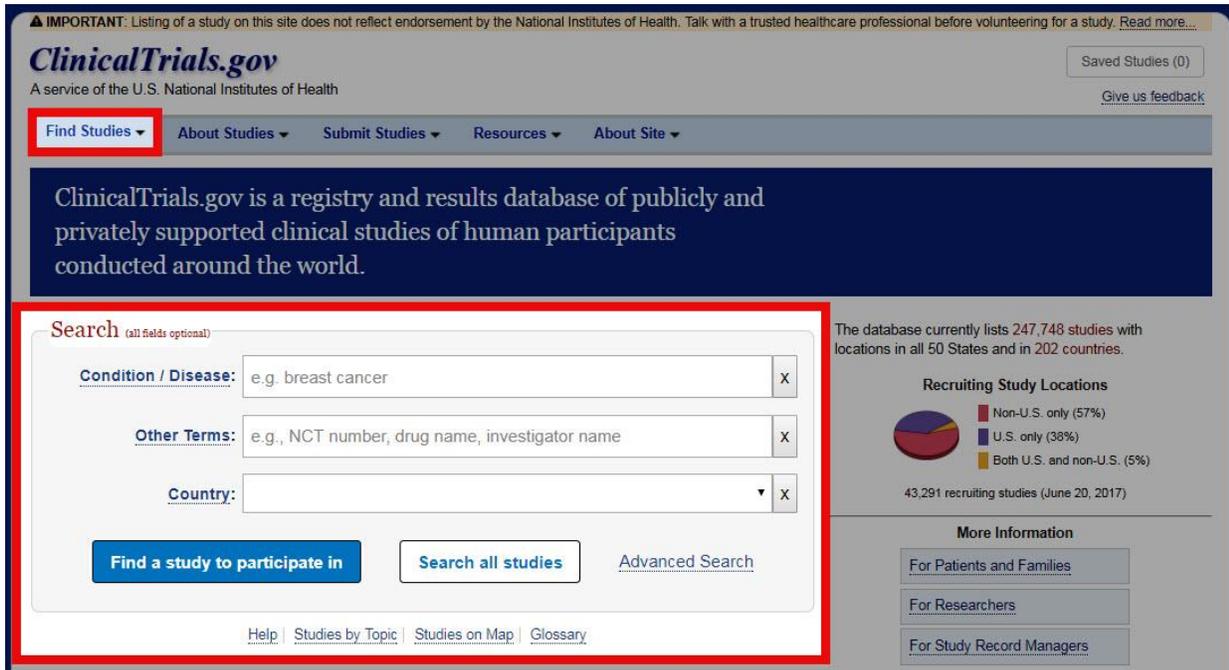
Copyright | Privacy | Accessibility | Viewers and Players | Freedom of Information Act | USA.gov
U.S. National Library of Medicine | U.S. National Institutes of Health | U.S. Department of Health and Human Services

<https://clinicaltrials.gov>

Searching ClinicalTrials.gov

ClinicalTrials.gov study search options and search help resources are located on the homepage in the **Search** area in the middle of the page. 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 – You can search by condition/diseases, other terms, and/or country. The box labeled **Search** can be found on the homepage, on the New Search page, and at the top of the results displayed upon running a search.



Search Screen

Advanced Search - Focus your search by entering or selecting search terms in multiple fields such as recruitment status, specific conditions, 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.

HIV/AIDS INFORMATION RESOURCES FROM.nlm

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](#)

[Help](#)

Other Terms:

Study Type: All Studies

Study Results: All Studies

Status: **Studies:** Not yet recruiting
 Recruiting
 Enrolling by invitation
 Active, not recruiting
 Suspended
 Terminated
 Completed
 Withdrawn
 Unknown status

Expanded Access: Available
 No longer available
 Temporarily not available
 Approved for marketing

Eligibility Criteria:

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

Sex: All

Accepts Healthy Volunteers: Healthy volunteers may participate in the study

Targeted Search:

Condition / Disease:

Intervention / Treatment:

Title Acronym / Titles:

Outcome Measures:

Sponsor / Collaborators: Exact match

Sponsor (Lead): Exact match

Study IDs:

Locations:

Country:

Country 2:

Country 3:

Location Terms:

Additional Criteria:

Phase: Early Phase 1 Phase 1 Phase 2
 Phase 3 Phase 4

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

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

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

[Help](#)

Advanced Search Screen

Search Results

Under the Search section, you will see your search terms and the number of studies that were found searching on those terms. The **Advanced Search** link is available next to the **Search** button where you can make changes to your search terms and do another search.

**12 Studies found for:
thalidomide hiv**

List
By Topic
On Map
Search Details

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

Hide Filters
Showing: 1-10 of 12 studies | 10 studies per page | Show/Hide Columns

Filters

Apply Clear

Status

Studies:

- Not yet recruiting
- Recruiting
- Enrolling by invitation
- Active, not recruiting
- Suspended
- Terminated
- Completed
- Withdrawn
- Unknown status†

Expanded Access: +

Eligibility Criteria

Age:

years OR

Group:

- Child (birth–17)
- Adult (18–65)
- Senior (66+)

Sex:

- All
- Female
- Male

Accepts Healthy Volunteers

Study Type +

Study Results +

Study Phase +

Funder Type +

Apply Clear

Row	Saved	Status	Study Title	Conditions	Interventions
1	<input type="checkbox"/>	Completed	Further Evaluation of Thalidomide's Ability to Potentiate the Immune Response to HIV-Infected Patients	HIV Infections	Drug: Thalidomide
2	<input type="checkbox"/>	Completed	Compassionate Use Study of Two Dose Levels of Thalidomide in Adults With HIV Wasting Syndrome	HIV Infections; HIV Wasting Syndrome	Drug: Thalidomide
3	<input type="checkbox"/>	Completed	A Phase I, Placebo-Controlled, Dose-Escalation Study of the Safety, Tolerability, and Pharmacokinetics of Thalidomide in Subjects With HIV-1 Infection	HIV Infections	Drug: Thalidomide
4	<input type="checkbox"/>	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	HIV Infections; HIV Wasting Syndrome	Drug: Thalidomide
5	<input type="checkbox"/>	Completed	A Study of Thalidomide in HIV-Infected Patients Who Are Receiving HAART	HIV Infections	Drug: Thalidomide
6	<input type="checkbox"/>	Completed	Thalidomide for Treatment of Oral and Esophageal Aphthous Ulcers and HIV Viremia in Patients With HIV Infection	HIV Infections; Stomatitis, Aphthous	Drug: Thalidomide
7	<input type="checkbox"/>	Completed	Placebo-Controlled Trial of Safety and Efficacy of Thalidomide in Patients With Infections Due to Mycobacterium and/or HIV	Mycobacterium Avium-Intracellulare Infection; HIV Infections; Tuberculosis, Mycobacterium Infection	Drug: Thalidomide
8	<input type="checkbox"/>	Completed	Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People	HIV Infections	Drug: Thalidomide; Drug: Thalidomide placebo
9	<input type="checkbox"/>	Completed	Thalidomide to Treat Oral Lesions in HIV-Infected Patients	Acquired Immunodeficiency Syndrome; Burning Mouth Syndrome; HIV Infection	Drug: Thalidomide
10	<input type="checkbox"/>	Completed	Thalidomide in Treating Patients With HIV-Associated Kaposi's Sarcoma	Sarcoma	Drug: thalidomide

Showing: 1-10 of 12 studies | 10 studies per page | Paging: |< > >|

Search Results

Filtering Search Results

To the left of the search results, you can filter your search results by status (including studies and expanded access); eligibility criteria; study type, results, or phase; and funder type. Select the filter(s) you wish to use to narrow your search results and click **Apply**. To clear filters, click the **Clear** button to return to the full list of search results.

Viewing a Study Record

To view details about a study, click the study title in the search results.

▲ IMPORTANT: Listing of a study on this site does not reflect endorsement by the National Institutes of Health. Talk with a trusted healthcare professional before volunteering for a study. [Read more...](#)

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

Saved Studies (0)
[Give us feedback](#)

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

[Home](#) > [Search Results](#) > Study Record Detail

Trial record **8 of 12** for: **thalidomide hiv**

[◀ Previous Study](#) | [Return to List](#) | [Next Study ▶](#)

Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People

This study has been completed.

Sponsor:
National Institute of Allergy and Infectious Diseases (NIAID)

Information provided by:
National Institute of Allergy and Infectious Diseases (NIAID)

ClinicalTrials.gov Identifier:
NCT00053430

First received: January 29, 2003
Last updated: August 6, 2009
Last verified: August 2009
[History of Changes](#)

[Full Text View](#) [Tabular View](#) [No Study Results Posted](#) [Disclaimer](#) [How to Read a Study Record](#)

► Purpose

Despite treatment with anti-HIV drugs, people infected with HIV continue to have problems with their immune systems. This study will evaluate whether the drug thalidomide, which stimulates the immune system's T cells, can improve immune system function in people with HIV.

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

Study Type: Interventional
Study Design: Allocation: Randomized
Intervention Model: Parallel Assignment
Masking: Double Blind (Participant, Care Provider)
Primary Purpose: Treatment

Official Title: Pharmacologic T Cell Costimulation In HIV Disease

Resource links provided by NLM:

[MedlinePlus](#) related topics: [HIV/AIDS](#)

[Drug Information](#) available for: [Thalidomide](#)

[U.S. FDA Resources](#)

Further study details as provided by National Institute of Allergy and Infectious Diseases (NIAID):

Primary Outcome Measures:

- Doubling in HIV Pol-specific CD8 cells, measured by ELISPOT [Time Frame: Through Day 28]
- Increase in CMV pp65 CD8 cells, measured by ELISPOT in the thalidomide treatment group [Time Frame: Throughout study]
- Increase in HIV p24-specific IFN-gamma-secreting CD4 cells in the thalidomide treatment group, measured by fluorescence-activated cell sorting (FACS) [Time Frame: Throughout study]
- Increase in cytomegalovirus (CMV)-specific interferon (IFN)-gamma-secreting CD4 T cells in the thalidomide treatment group, measured by FACS [Time Frame: Throughout study]

Secondary Outcome Measures:

- Increase in the frequency of keyhole limpet hemocyanin (KLH)-specific lymphocyte proliferative responses in the thalidomide treatment group [Time Frame: Throughout study]
- Increase in adverse events in the thalidomide treatment group [Time Frame: Throughout study]

Enrollment: 40
Study Start Date: April 2001
Study Completion Date: February 2006
Primary Completion Date: August 2005 (Final data collection date for primary outcome measure)

Arms	Assigned Interventions
Experimental: 1 Participants will receive low dose thalidomide for 28 days	Drug: Thalidomide Tablet taken orally daily
Placebo Comparator: 2 Participants will receive low dose thalidomide placebo for 28 days	Drug: Thalidomide placebo Placebo tablet taken orally daily

Detailed Description:

In patients with chronic HIV infection, HIV replication and abnormalities in immune function persist following treatment with highly active antiretroviral therapy (HAART). Specifically, costimulatory T cell interactions are impaired. The immune modulatory drug thalidomide was recently found to costimulate T cells. Pharmacologic T cell costimulation may compensate for the T cell deficiencies in people with HIV disease and improve immune function. This study will test whether thalidomide treatment enhances HIV and cytomegalovirus (CMV)-specific immunity in patients with HIV and CMV, and will evaluate the effect of thalidomide on HIV replication.

In this study, 40 HIV and CMV infected patients on HAART and 40 HIV uninfected CMV seropositive controls will be randomly assigned to low dose thalidomide or placebo treatment for 28 days. T cell responses and HIV replication and genetic diversification will be assessed.

► Eligibility

Ages Eligible for Study: 18 Years and older (Adult, Senior)
Sexes Eligible for Study: All
Accepts Healthy Volunteers: Yes

Study Record

Additional Resources

For further information, we recommend these additional resources:

- ▶ Prescription for Success: Consumer Health on the Web
<https://nmlm.gov/classes/prescription-success-consumer-health-web>
- ▶ 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

ClinicalTrials.gov® Search Exercises

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

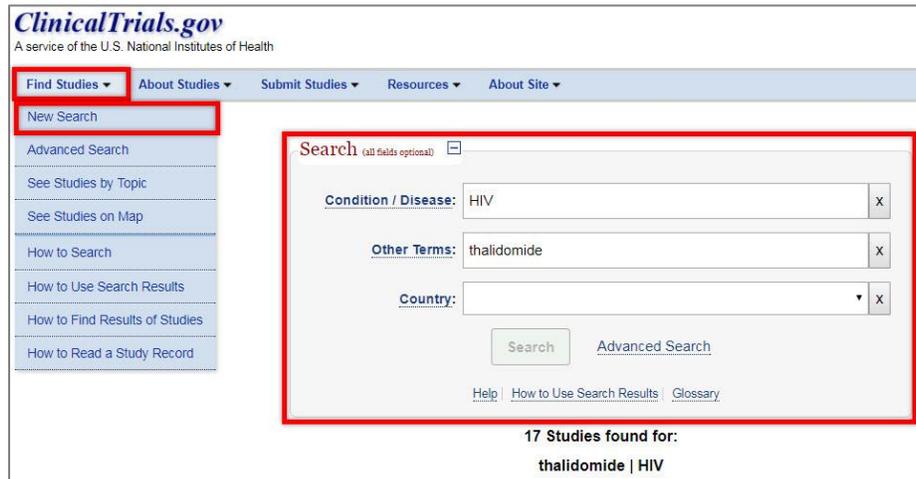
Suggested Solution:

- ▶ Go to <https://clinicaltrials.gov>
- ▶ Type **HIV** in the Condition/Disease: Search box
- ▶ Type **thalidomide** in the Other Terms: Search box
- ▶ Click **Search all studies**

- ▶ Review record(s) of your choice

Row	Saved	Status	Study Title	Conditions	Interventions
1	<input type="checkbox"/>	Completed	Using the Drug Thalidomide to Stimulate T Cells in HIV-Infected People	HIV Infections	Drug: Thalidomide; Drug: Thalidomide placebo
2	<input type="checkbox"/>	Completed	Further Evaluation of Thalidomide's Ability to Potentiate the Immune Response to HIV-Infected Patients	HIV Infections	Drug: Thalidomide
3	<input type="checkbox"/>	Completed	Compassionate Use Study of Two Dose Levels of Thalidomide in Adults With HIV Wasting Syndrome	HIV Infections; HIV Wasting Syndrome	Drug: Thalidomide
4	<input type="checkbox"/>	Completed	A Study of Thalidomide in HIV-Infected Patients Who Are Receiving HAART	HIV Infections	Drug: Thalidomide
5	<input type="checkbox"/>	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	HIV Infections; HIV Wasting Syndrome	Drug: Thalidomide

- ▶ At the top of the page, go to **Find Studies** and click **New Search** to prepare for the next search. Alternatively, modify the **Search** box as needed to perform a new search from the current search results page.



Search Exercises

Exercise 1: Locate clinical trials studying the Zika Virus.

Suggested Solution:

- Click **Find Studies**
- Click **New Search**
- Type **Zika virus** in the Condition/Disease box under Search
- Click **Search all studies** 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 **New Search**
- Type **human papillomavirus** in the Condition/Disease box
- Type **immune system** in the Other Terms box
- Click **Search all studies**
- 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 Condition/Disease box
- Type **ginger** in the Intervention/Treatment 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 Other Terms box
- Click **Search** and review records(s) of your choice
- Click **Advanced Search**
- Type **HIV** in the Condition/Disease 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 Condition/Disease 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 Condition/Disease box
- Select **NIH** to the right of Funder Type
- Click **Search**
- Click the **On Map** tab
- Click a **country or region** on the map
- Review record(s) of your choice

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 Condition/Disease box
- Type **ribavirin** in the Intervention/Treatment box
- Click **Search**
- Review record(s) of your choice
- Select the **Recruiting** checkbox under Status: Studies in the filters section to the left of the page
- Click **Apply**
- Review record(s) of your choice
-  To remove a specific filter selection, click the clear button or deselect the checkbox next to the filter you wish to clear.

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**
-  By default the system retrieves 25 records per page.
- Type **Saw Palmetto** in the Find in table box
- 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 Studies**
- Click **Learn About Studies**
- Click **Considerations for Participation** under Contents
- Review the information
- Click **Glossary of Common Site Terms** on the left side the page under the About Studies
- Click **Q**
- Review the definition of **observational study**

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

Suggested Solution:

- Click **Glossary of Common Site Terms** under the About Studies
- Click **H**
- Review the definition of a **human subjects review board**
- Click **TO TOP**
- Click **P**
- Review the definition of a **protocol**

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Section 6: MedlinePlus®



MedlinePlus®

MedlinePlus is NLMs 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. Resources are available in English and Spanish.



<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 website interface. At the top, there is a search bar with the text 'diabetes' and a 'GO' button. Below the search bar are navigation links: 'About MedlinePlus', 'Site Map', 'FAQs', and 'Customer Support'. A language selector 'Español' is visible in the top right. The main content area is titled 'Search Results' and features a 'Refine by Type' sidebar on the left. This sidebar lists various content categories with their respective result counts: All Results (6,831), Health Topics (225), External Health Links (3,719), Drugs and Supplements (489), Medical Encyclopedia (657), News (83), MedlinePlus Magazine (241), Multiple Languages (42), and National Institutes of Health (1,031). Below this is a 'Refine by Format' section with All Results (6,831), PDF (286), Images (34), and Videos (24). The main content area displays a detailed article titled 'Diabetes' with a blue header. The article text explains that diabetes is a disease where blood glucose levels are too high, and it discusses types 1 and 2, as well as prediabetes. An image of a doctor's hands is shown. Below the article is a '(Read more)' link. At the bottom, there is a section for 'Results 1 - 10 of 5,561 for diabetes', listing the first two results: 'Diabetes' and 'Diabetes Type 1' from the National Library of Medicine.

MedlinePlus Spanish

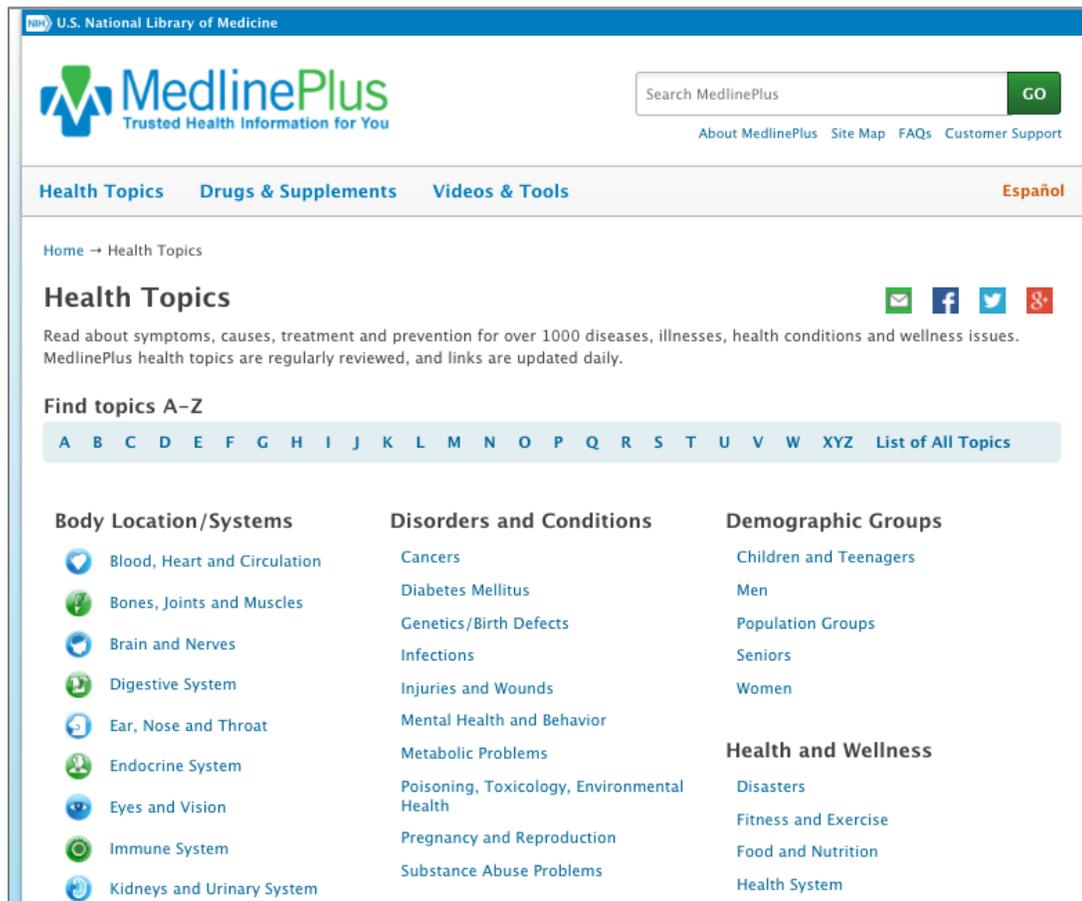
To view the MedlinePlus Web site in Spanish, click the **Español** button () in the upper right corner of the page. You will be directed to the Spanish version of MedlinePlus where you can view consumer-friendly health information. You can also utilize the search option in the Spanish version of MedlinePlus.

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

HIV/AIDS INFORMATION RESOURCES FROM NLM

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 MedlinePlus website interface. At the top, there is a blue header with the NIH logo and the text "U.S. National Library of Medicine". Below this is the MedlinePlus logo and tagline "Trusted Health Information for You". A search bar is located on the right side of the header, with a "GO" button. Below the search bar are links for "About MedlinePlus", "Site Map", "FAQs", and "Customer Support". The main navigation bar includes "Health Topics", "Drugs & Supplements", "Videos & Tools", and a language selector for "Español". The "Health Topics" section is highlighted, and the breadcrumb "Home → Health Topics" is visible. The "Health Topics" heading is followed by social media icons for email, Facebook, Twitter, and Google+. Below this is a paragraph stating: "Read about symptoms, causes, treatment and prevention for over 1000 diseases, illnesses, health conditions and wellness issues. MedlinePlus health topics are regularly reviewed, and links are updated daily." A "Find topics A-Z" section follows, with a horizontal menu of letters from A to Z and a "List of All Topics" link. Below this are three columns of topic categories: "Body Location/Systems", "Disorders and Conditions", and "Demographic Groups". Each category has a list of sub-topics with corresponding icons.

Body Location/Systems	Disorders and Conditions	Demographic Groups
Blood, Heart and Circulation	Cancers	Children and Teenagers
Bones, Joints and Muscles	Diabetes Mellitus	Men
Brain and Nerves	Genetics/Birth Defects	Population Groups
Digestive System	Infections	Seniors
Ear, Nose and Throat	Injuries and Wounds	Women
Endocrine System	Mental Health and Behavior	
Eyes and Vision	Metabolic Problems	Health and Wellness
Immune System	Poisoning, Toxicology, Environmental Health	Disasters
Kidneys and Urinary System	Pregnancy and Reproduction	Fitness and Exercise
	Substance Abuse Problems	Food and Nutrition
		Health System

Stay Connected



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

Through Facebook, MedlinePlus shares recent health and medicine news and information.

<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>

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 topics A-Z



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



- ▶ Click **HIV/AIDS**

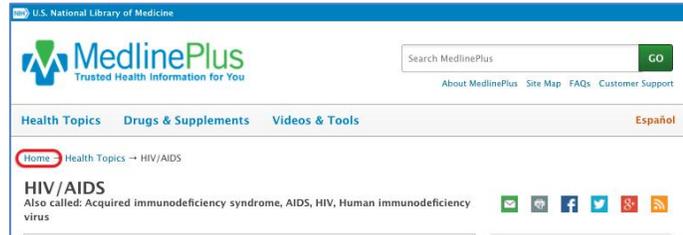
- ▶ Click **HIV/AIDS NIH (National Institute of Allergy and Infectious Diseases)** under Start Here



- ▶ 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 topics A-Z</u>

- Click **Dental Health** from the alphabetical list of topics
- Review the information
- Click **Patient Handouts** under [For You](#)

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

Suggested Solution:

- Click **Health Topics**
- Click **A** under [Find topics A-Z](#)
- Click **AIDS see HIV/AIDS** from the alphabetical list
- Click **Seniors** under [For You](#)
- Click **HIV,AIDS, and Older People** under [Seniors](#)
- Close NIH National Institute on Aging 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 [MedlinePlus](#) 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 [Find topics A-Z](#)
- Click **Flu Shot** from the alphabetical list
- Click **Vaccination: Who Should Do It, Who Should Not and Who Should Take Precautions** under [Resources](#)
- 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 topics A-Z</u> |
| Click | Alternative Medicine see Complementary and Integrative Medicine from the alphabetical list |
| Click | Are You Considering a Complementary Health Approach? under <u>Start Here</u> |
| 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 <u>Demographic Groups</u> |
| 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 <u>Browse by generic or brand name</u> |
| Click | Gardasil see Human Papillomavirus (HPV) Vaccine (Gardasil) |
| Click | What are the risks from this vaccine? |
| Review | the information retrieved |
| Click | Who should get HPV vaccine and when? |
| Review | the information retrieved |

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?**
- Review **the information retrieved**

Exercise 9: Does garlic hinder the effectiveness of drugs used to treat HIV infection?

Suggested Solution:

- Click **Drugs & Supplements**
- Click **All herbs and supplements**
- Click **G**
- Click **Garlic**
- Click **What do we Know about Safety?**
- Review **the information retrieved**

Exercise 10: People living with HIV/AIDS commonly use the following herbs: Astragalus, Cat's Claw, Goldenseal, and Tea Tree Oil. Are there any known side effects of using 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 Integrative Health) in the alphabetical list
- Click **What do we Know about Safety**
- Review the information under **What do we Know about Safety**
- Close the NCCIH window and return to the MedlinePlus **Herbs and Supplements** page
-  Repeat these steps for: Cat's Claw, Goldenseal, 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: 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
- Click **Immune System and Disorders** to the right of the page under [Related MedlinePlus Health Topics](#)
- Click **Games** under [See, Play and Learn](#)
- 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 13: Are there multimedia resources that discuss HIV/AIDS viral load?

Suggested Solution:

- Click **Videos & Tools**
- Type **HIV AIDS viral load** in the [Search all Videos & Tutorials](#) search box
- 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 14: 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 15: Using the Medical Encyclopedia, locate an illustration depicting Kaposi's sarcoma.

Suggested Solution:

Click **the MedlinePlus logo** to return to the homepage of MedlinePlus

Click **Medical Encyclopedia**

Click **K** under Find encyclopedia articles A-Z

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 sections:

- Header:** NCBI Resources, How To, Sign In to NCBI, PubMed search bar, and Advanced search link.
- Main Banner:** PubMed logo and a description: "PubMed comprises more than 27 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites."
- 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
- Latest Literature:**
 - New articles from highly accessed journals
 - Blood (2)
 - Circulation (11)
 - Cochrane Database Syst Rev (3)
 - Drugs (1)
 - J Biol Chem (9)
 - J Clin Endocrinol Metab (11)
 - JAMA (28)
 - N Engl J Med (1)
 - PLoS One (55)
 - Proc Natl Acad Sci U S A (54)
 - Try PubMed Journals, our new experimental feature for following journals of interest to you.
 - PubMed Journals
- Trending Articles:**
 - PubMed records with recent increases in activity
 - A Single Transcriptome of a Green Toad (*Bufo viridis*) Yields Candidate Genes for Sex Determination and -Differentiation and Non-Anonymous Population Genetic Markers. PLoS One. 2016.
 - Genome editing: That's the way the CRISPR crumbles. Nature. 2017.
 - Unexpected mutations after CRISPR-Cas9 editing in vivo. Nat Methods. 2017. 1
 - Vaibenzazine: First Global Approval. Drugs. 2017.
 - Self-managed loaded exercise versus usual physiotherapy treatment for rotator cuff tendinopathy: a pilot randomised controlled trial. Physiotherapy. 2014.
 - See more
- PubMed Commons:**
 - Featured comments
 - Dengue transmission risk via blood donation? W McBride discusses test specificity issues. bit.ly/2qic57n Jun 6
 - Classifying acuity of emergency department visits: @CSI_KCL critiques description in study of palliative homecare. bit.ly/2rDl7wv Jun 5
 - Aligning packages & examples: Author C Miller posts link to updated example script for visualizing tumor evolution. bit.ly/2qkoecv Jun 2
 - Parsing biological relevance & byproducts: M Tatham discusses coenzyme A & post-translational protein modifications. bit.ly/2qn10TA Jun 1
 - Linking references: S Ray (@soupvector) posts URLs missing from viewpoint article on data curation. bit.ly/2pJlFy8 May 31
 - See more

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 Medical Subject Headings (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**. 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 "hiv infection". The search bar at the top contains "hiv infection" and the "Search" button is visible. The page displays two search results, each with a title, authors, journal information, and PMID. The first result is "Presence of Human Hepegivirus-1 in a Cohort of People Who Inject Drugs" and the second is "Injection into the jugular vein among people who inject drugs in the United Kingdom: Prevalence, associated factors and harms". The page also includes a "Search Tip" box, a "Results by year" bar chart, and a "Related searches" section with suggestions like "acute hiv infection" and "primary hiv infection". The "Filters" sidebar on the left lists various filter categories such as "Article types", "Text availability", "Publication dates", and "Species".

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 PubMed Central® (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**.

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](#)

or [Add to history](#)

History [Download history](#) [Clear history](#)

Search	Add to builder	Query	Items found	Time
#1	Add	Search hiv infection	290412	15:51:04

You are here: NCBI > Literature > PubMed Support Center

<p>GETTING STARTED</p> <ul style="list-style-type: none"> NCBI Education NCBI Help Manual NCBI Handbook Training & Tutorials Submit Data 	<p>RESOURCES</p> <ul style="list-style-type: none"> Chemicals & Bioassays Data & Software DNA & RNA Domains & Structures Genes & Expression Genetics & Medicine Genomes & Maps Homology Literature Proteins Sequence Analysis Taxonomy Variation 	<p>POPULAR</p> <ul style="list-style-type: none"> PubMed Bookshelf PubMed Central PubMed Health BLAST Nucleotide Genome SNP Gene Protein PubChem 	<p>FEATURED</p> <ul style="list-style-type: none"> Genetic Testing Registry PubMed Health GenBank Reference Sequences Gene Expression Omnibus Map Viewer Human Genome Mouse Genome Influenza Virus Primer-BLAST Sequence Read Archive 	<p>NCBI INFORMATION</p> <ul style="list-style-type: none"> About NCBI Research at NCBI NCBI News & Blog NCBI FTP Site NCBI on Facebook NCBI on Twitter NCBI on YouTube
--	--	--	---	--

National Center for Biotechnology Information, U.S. National Library of Medicine
8600 Rockville Pike, Bethesda MD, 20894 USA
[Policies and Guidelines](#) | [Contact](#)

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://www.nlm.nih.gov/pubs/techbull/stay_current.html



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:

- ▶ 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 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

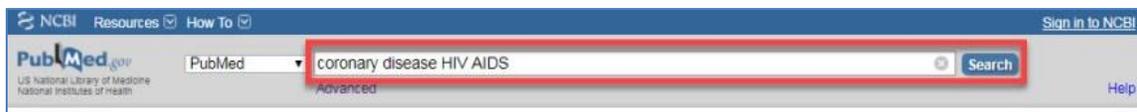
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PubMed®/MEDLINE® Search Exercises

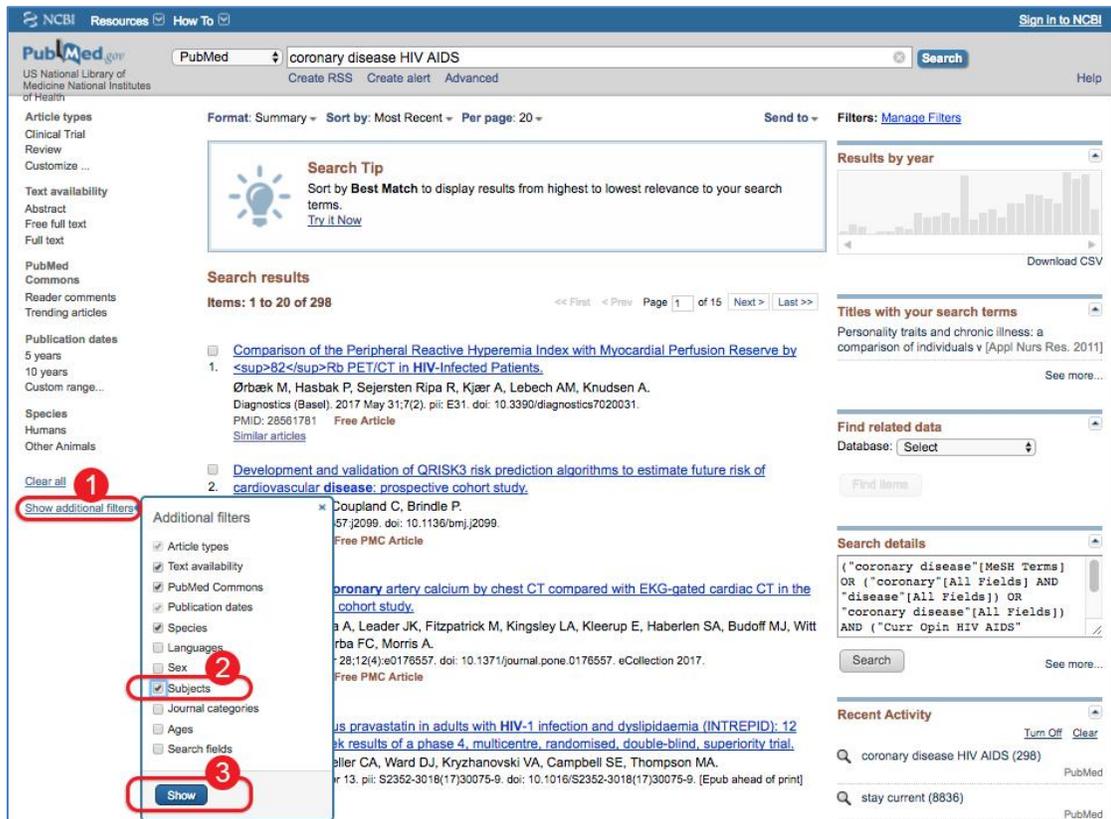
Search Example: What information has been written about the correlation between coronary disease and HIV/AIDS?

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 <u>Search</u> box |
| Click | Search |
| Click | Show additional filters |
| Select | Subjects in the <u>additional filters</u> pop-up box |
| Click | Show |
| Select | AIDS under <u>Subjects</u> |



Active Filters appear above the search results.

Review the citation(s) retrieved

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



The **Filters Activated** message is still displayed. Future searches will be limited to the AIDS subset of PubMed until the filter is cleared.

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

Suggested Solution:

Type **h1n1 vaccine** in the Search box

Click **Search**



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 Search box



The **Filters Activated** message is still displayed. You are still searching the AIDS subset of PubMed.

Click **Search**

Review citation(s) retrieved

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

Suggested Solution:

Type **pre-exposure prophylaxis** in the Search box

Click **Search**

Click **Show additional filters**

Select **Sex**

- Click **Show**
- Click **Female** under Sex
- Review the citation(s) and **Related citations**
-  To remove a specific filter selection, click **clear** next to it.

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

Suggested Solution:

- Type **pain management peripheral neuropathy** in the Search box
- Click **Search**
- Click Most Recent under **Sort by**
- Review the citation(s) retrieved
-  The **Sort by: Most Recent** is still activated. Future searches will be limited to the most recent publications until you change this filter.

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 Dates
- Review the citation(s) retrieved
-  To remove a specific filter selection, click **clear** next to it.

Exercise 7: Cytomegalovirus retinitis is common among people infected with HIV. What has been written about the use of Foscarnet and Ganciclovir in treating this disease in children?

Suggested Solution:

- | | |
|---|--|
| Type | cytomegalovirus retinitis foscarnet ganciclovir in the <u>Search</u> box |
|  | Note that the Filters 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 |
| Click | Show |
| Click | Child: Birth-18 years under <u>Ages</u> |
| Review | the citation(s) |
|  | To remove a specific filter selection, click clear next to it. |

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 <u>Search</u> box |
| Select | Author from the second <u>Search Builder</u> drop-down menu |
| Type | wooster j in the <u>Author</u> 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 <u>Search</u> box |
| Click | Search |
| Click | the checkbox to the left of a record of your choice |
| Select | E-mail from the <u>Send to:</u> drop-down menu |

- Select **Abstract (text)** from the Format drop-down menu
- Type e-mail address in the **E-mail** box
- Click **I'm not a robot** 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 **Create alert** at the top of the screen below the search box
- 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.

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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.

The screenshot shows the homepage of the Partners in Information Access for the Public Health Workforce (PHP). At the top left is the logo with the text "Partners in Information Access for the Public Health Workforce" and a subtitle "A collaboration of U.S. government agencies, public health organizations and health sciences libraries". A search bar is located at the top right. Below the header, there are navigation links: Home | News | About Partners | Contact Us | Sitemap | FAQ | Suggest Link. The main content area is divided into several sections:

- Our Mission:** Helping the public health workforce find and use information effectively to improve and protect the public's health.
- Public Health Topic Pages:** A list of topics including Bioterrorism, Dental Public Health, Environmental Health, HIV/AIDS, How to Access Journal Articles, Nutrition, Obesity, Public Health Genomics, Veterinary Public Health, and Workforce Development.
- Main Topic Pages:** A list of topics including Health Promotion and Health Education, Literature and Guidelines, Health Data Tools and Statistics, Public Health Workforce Data, Grants and Funding, Education and Training, Legislation and Policy, Conferences and Meetings, Finding People, Discussion and E-mail Lists, and Jobs and Careers.
- Current Public Health News:** A list of recent news items such as "An Overview of Prescription Drug Monitoring Programs (PDMPs) and Useful PDMP Tools and Resources for Treating Opioid Use Disorder in Health Centers" and "Provider Competencies for the Prevention and Management of Obesity".
- Get the Latest Information on Public Health Topics of Interest:** A section with an "Email Updates" form and a "Subscribe to RSS" link.
- In the Spotlight:** A section highlighting the "Healthy People 2020 Evidence-Based Resources Tool".
- NICHSR ONESearch:** A section with the text "One website to search them all: HSRProj, HSRR, HSRIC, PHPPartners".
- Other featured content:** Includes "Practice Informed by Research" with "Healthy People 2020" and "PubMed" logos, "Public Health Information and Data Tutorial", "Disaster Lit: The Resource Guide for Disaster Medicine and Public Health", "VitalSigns" (Learn about the latest public health data), and "THIS IS PUBLIC HEALTH" with the URL "http://publichealth.org".

<https://phpartners.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** 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, Public Health Workforce Data, Grants and Funding, Education and Training, Legislation and Policy, Conferences and Meetings, Finding People, Discussion and 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, CDC Vital Signs, and the CPH (Certified for Public Health) Study Guide.

Stay Connected



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

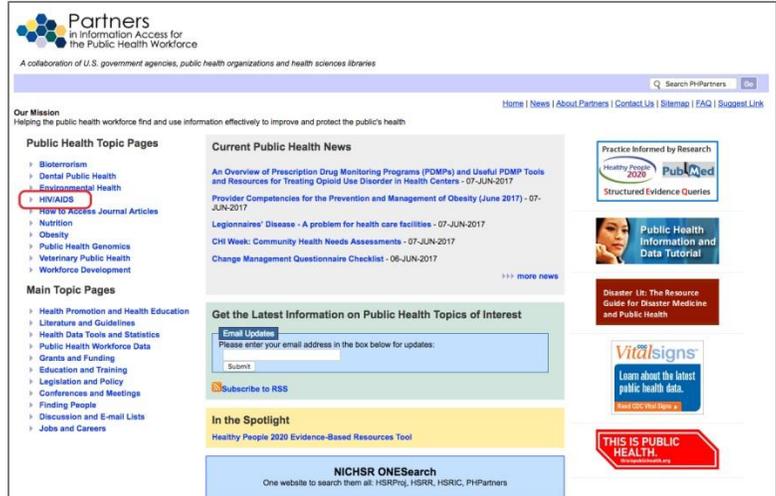
For further information, we recommend these additional resources:

- ▶ 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>
- ▶ NICHSR ONESearch
<https://www.nlm.nih.gov/nichsr/oneseach.html>

Public Health Partners Search Exercises

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

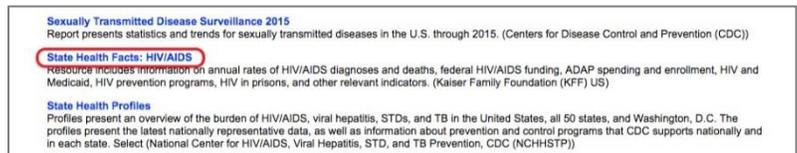
- ▶ Go to <https://phpartners.org>
- ▶ Select **HIV/AIDS** under **Public Health Topics Pages**



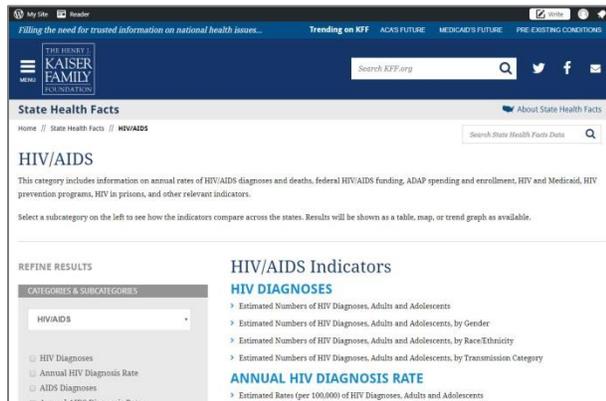
- ▶ Click **Health Data Tools and Statistics** in the list of topics under **HIV/AIDS**



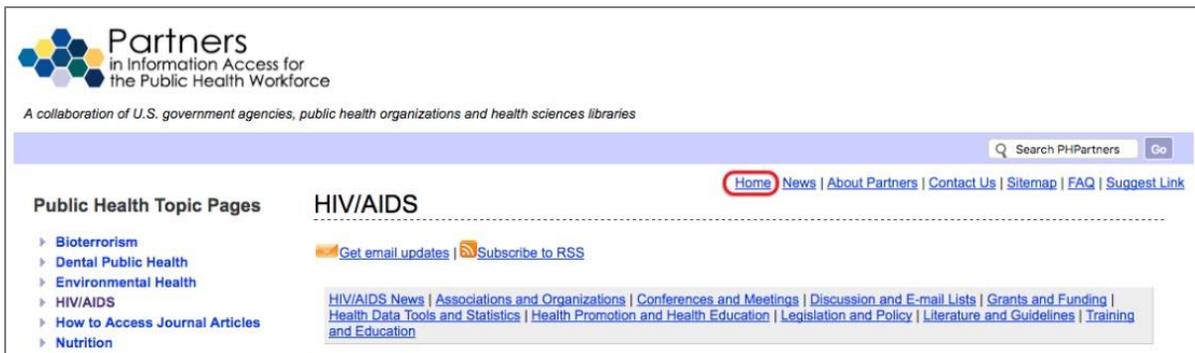
- ▶ Click **State Health Facts: HIV/AIDS**



- ▶ Review the information. 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) U.S.)**
- 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 Topic 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.

USCA

call us info@nmac.org

NMAC
leads with race

Who We Are Programs Resource Library Supporting NMAC Conferences Contact Us **DONATE**

USCA
SEPT 7-10, 2017 | MARRIOTT MARQUIS WDC

Sign-up for NMAC's FREE E-newsletter!!! Enter your email >

Special Events
The 2017 United States Conference on AIDS (USCA) will be held September 7 – 10 at the Marriott Marquis Hotel in Washington, DC. USCA's return to DC is important as we navigate expected changes in the Affordable Care Act, Medicaid expansion and service delivery.

Join Us
Whether you are an individual or an organization, we strive to create community advocates who champion our issues and the issues of those living in communities most affected by HIV. We want to grow this community and we need your help to do so! Become a Member today and join us in the fight to END HIV.

HIV 50+ Strong and Healthy
HIV 50+ Strong and Healthy, is a new NMAC program that will be conducted across 4 cities in the South. The goal of HIV 50+ Strong and Healthy is to build capacity and educate local service and care providers about the impact of HIV and aging among men and women of color, ages 50 and older.

<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 are navigation links for 'US Department of Health and Human Services' and 'National Institutes of Health'. The NIH logo and 'Office of AIDS Research' are prominently displayed. A search bar is located in the top right corner. Below the header, a large banner features a laboratory setting with a pipette and test tubes, accompanied by the text 'First HIV Blood Test' and a reference to the 'New York Times' from May 3, 1985, and August 1, 1985. A sidebar on the left lists navigation categories: 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' featuring a portrait of Dr. Goodenow and her biography; 'About OAR' providing an overview of the office's role; 'NIH HIV/AIDS Research Priorities' with a list of goals and a link to a statement on research efforts; 'OAR News' with a recent update about Dr. Peter Kim; 'Meetings and Events' listing upcoming advisory council meetings; 'In Memoriam' honoring Dr. William E. Paul; 'Recent Updates' with the OARAC roster; and 'Resources for Researchers' listing funding, grant applications, training, and literature sources.

<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>

The screenshot shows the CDC.gov website interface. At the top, there is a search bar and a language selector for "En Español". Below the navigation menu, the main heading is "Legionnaires' Disease" with a sub-heading "A Problem for Health Care Facilities". A featured image shows a doctor and a patient. Below this, there are four article thumbnails: "Salmonella and Eggs", "Life After Cancer", "Prevent Prenatal Infections", and "Clinicians: Protect your patients!". Further down, there are sections for "Outbreaks" (listing 2017 Ebola and Meningococcal outbreaks), "Newsroom" (with dates for Legionnaires' Disease, Patients in health care facilities at risk, and NIOSH and OSHA announcements), and "CDC in Action" (including CDC Works for You 24/7 and Zika Response & Success Stories). The footer contains three columns: "Science" (listing Morbidity and Mortality Weekly Report, Emerging Infectious Diseases, etc.), "Learn About CDC" (listing About CDC, Organization, etc.), and "David J. Sencer CDC Museum" (describing the museum's mission).

<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 Treatment News
<http://www.thebody.com/content/art31573.html>
- ▶ *AIDSinfo*
<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>
- ▶ How to Find Reliable HIV/AIDS Treatment Information on the Internet
<https://www.sis.nlm.nih.gov/outreach/hivaids/treatmentmanual.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](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
<https://www.niaid.nih.gov/about/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/cover.html>
- ▶ 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, HIV/AIDS
<http://www.who.int/hiv/en/>
- ▶ 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 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/hp2020/index.html>

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/doctype/freehealthlit.html>

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

National Medical Association

<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.nih.gov/ntc
NLM HIV/AIDS Training Resources	https://sis.nlm.nih.gov/outreach/training_outreach.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.nih.gov>