Equal Access Initiative:
HIV/AIDS Information Resources from
the National Library of Medicine

For Grantees of

National Minority AIDS Council
2010 Equal Access Initiative Computer Grants Program

United States Conference on AIDS
September 11, 2010

Instructors:

Nicole Dancy, National Library of Medicine

Wilma Templin-Branner, Oak Ridge Institute
for Science and Education

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Purpose

- ▶ To familiarize participants with reliable online health information from the National Library of Medicine and other reputable HIV/AIDS-related resources

- ▶ To empower participants with the skills and knowledge to better serve their clients, colleagues, and communities through the use of online HIV/AIDS-related resources

Objectives

After completing this class, participants will be able to

- ▶ Identify and evaluate quality, accurate, and authoritative online resources pertaining to HIV/AIDS and related medical conditions for patients and healthcare providers

- ▶ Demonstrate the ability to perform strategic search techniques in order to find HIV/AIDS treatment and prevention, treatment and research information

- ▶ Apply the skills and knowledge obtained in this course to their organization's health information needs

The National Library of Medicine

- ▶ The world's largest biomedical library
- ▶ Part of the National Institutes of Health

Why the National Library of Medicine?

- ▶ Easy
- ▶ Quick access
- ▶ Quality information
- ▶ Free

United States
National Library of Medicine
National Institutes of Health

The World's Largest
Medical Library

- Health Information
- Library Catalog & Services
- History of Medicine
- Online Exhibitions & Digital Projects

- Human Genome Resources
- Biomedical Research & Informatics
- Environmental Health & Toxicology
- Health Services Research & Public Health
- Health Information Technology

- About the National Library of Medicine
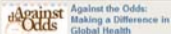- Grants & Funding
- Training & Outreach
- Network of Medical Libraries

NLM and the Recovery Act

Oil Disaster in the Gulf

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Against the Odds: Making a Difference in Global Health

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Contact NLM | Site Map | FAQs

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List of NLM ▸▸
Databases and Resources

Especially for:
- The Public
- Health Care Professionals
- Researchers
- Librarians
- Publishers

Current Health News

Almost 1 in 3 First-Time Deliveries Now Via C-Section (08/31/10)

Pediatric Group Issues New Flu Shot Guidelines (08/31/10)

Prostate Biopsy Can Cause Urinary, Erectile Problems (08/31/10)

More Health News

NLM News and Press Releases

Jan-Eric Slot Appointed CEO of the IHTSDO (08/30/10)

NLM "Turning The Pages" Adds Richly Illustrated Japanese Manuscript, Hanaoka Seishu's Influential Surgical Casebook (07/29/10)

WHO and IHTSDO Announce Collaborative Arrangement to Harmonize WHO Classifications and SNOMED CT (07/23/10) [PDF]

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VISIT SITE

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Health and drug information for patients, family and friends
VISIT SITE
ESPAÑOL

Tox Town
Interactive guide to common toxic chemicals, your health, and the environment
VISIT SITE

PubMed Central
Free archive of life sciences journals
VISIT SITE

Genetics Home Reference
Genetic conditions in everyday language
VISIT SITE

FLU.GOV

www.nlm.nih.gov

For the Public

For Health Care Professionals

For Health Care Professionals

From NLM for Health Care Professionals

MEDLINE/PubMed
Biomedical journal literature

Search MEDLINE/PubMed Go

ClinicalTrials.gov
Information for patients about clinical research studies
Also see: Clinical Alerts and Advisories

Search ClinicalTrials.gov Go

NIH MedlinePlus Magazine

A quarterly guide for patients and their families

PubMed Central

A digital archive of life sciences journal literature

NLM Gateway

A single Web interface that searches multiple NLM retrieval systems

Toxicology and Environmental Health

Comprehensive toxicology and environmental health Web site

DailyMed

Public Health

Partners in Information Access for the Public Health Workforce
A public health portal Web site
See also: Information Access for the Public Health Workforce (Fact Sheet)

Health Services Research and Health Care Technology

Health Services Research Web Site Portal

Policies and Guidelines

NIH Public Access Policy Resources

Research Reporting Guidelines

Citing Medicine: the NLM Style Guide for Authors, Editors, and Publishers

HIV/AIDS Information
SIS Specialized Information Services

SIS Home >

NLM Resources

- ▸ Treatment and Drug Information
- ▸ Clinical Trials
- ▸ Journal Articles, Books, Audiovisuals
- ▸ Consumer Health Information

Especially for

- ▸ The Public
- ▸ Researchers/Scientists
- ▸ Health Professionals
- ▸ Students/Educators

AIDSinfo: Offering information on HIV/AIDS treatment, prevention, and research

More to Explore

About
News
Publications
Contracts and Projects
Drug Information Portal
Health Services Research & Public Health Information Programs

HIV/AIDS Web Links

- ▸ Diagnosis and Testing
- ▸ Nutrition and Exercise
- ▸ Prevention
- ▸ Related Medical Conditions
- ▸ Research and Research Tools
- ▸ Resources

- ▸ Special Populations
- ▸ Statistics, Surveillance, and Epidemiology
- ▸ Substance Abuse
- ▸ Vaccine Development
- ▸ Español/Spanish

Featured Site

NATIONAL
HIV/AIDS
STRATEGY

More Information

sis.nlm.nih.gov/hiv.html

NLM Resources

The World's Largest
Medical Library

NLM resources covered in this class will be:

▶ AIDS*info*

▶ ClinicalTrials.gov

▶ MEDLINE/PubMed

▶ MedlinePlus

▶ NLM Gateway

▶ DIRLINE

Additional Resources:

▶ National Minority AIDS Council

▶ Office of AIDS Research

▶ Centers for Disease Control and Prevention

NLM Database Assistance

- ▶ Training Manuals
  - – PubMed, NLM Gateway, ClinicalTrials.gov
  - – www.nlm.nih.gov/pubs/web_based.html

- ▶ PubMed Help/FAQ and Tutorial
  - – pubmed.gov (see links under Using PubMed)

- ▶ NLM Fact Sheets
  - – www.nlm.nih.gov/pubs/factsheets/factsheets.html

The National Network of Libraries of Medicine (NN/LM)

▶ Call to find your NN/LM Regional Medical Library
  – 1.800.338.7657
  – Monday-Friday 8:30 a.m. – 5:00 p.m. in all time zones

▶ Visit the NN/LM Web site
  – nnlm.gov

Hawaii

Pacific Basin

Virgin Islands

Puerto Rico

Basic Internet Skills

The World at Your Fingertips

What is the Internet? The World Wide Web?

▶ The Internet and the World Wide Web (Web) are not the same thing
- The Internet is a worldwide network of computer networks that can all "talk" to each other using languages called "protocols"
- The Web is only one portion of the Internet – the best known part

▶ The Web is viewed with a graphical interface software called a "browser," such as
- Microsoft's Internet Explorer
- Mozilla Firefox

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The World's Largest
Medical Library

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- Human Genome Resources
- Biomedical Research & Informatics
- Environmental Health & Toxicology
- Health Services Research & Public Health
- Health Information Technology

- About the National Library of Medicine
- Grants & Funding
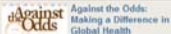- Training & Outreach
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This new online newsletter
gives you a behind-the-scenes glimpse
of NLM—its people, programs and services.

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Free archive of life sciences journals
VISIT SITE

Genetics Home Reference
Genetic conditions in everyday language

FLU.GOV

http://www.nlm.nih.gov – a World Wide Web Site

Uniform Resource Locator

▶ A URL is made up of
- – The "protocol" name (language)   **http://**
- – The "server" name   **nlm.nih.**
- – The "domain" name   **gov**
- – And sometimes also
  - • A directory name and/or   **portals**
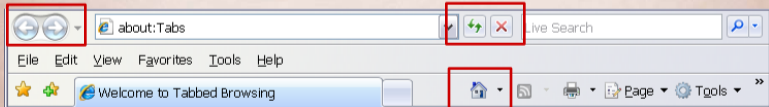 - • A file name   **public.html**

EXAMPLES:
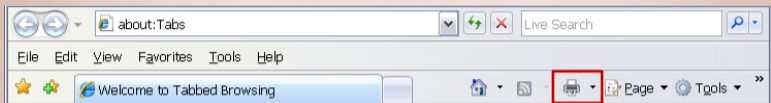   **http://www.nlm.nih.gov/portals/public.html**
      http://www.nlm.nih.gov/hinfo.html

Using the Navigation Toolbar

▶ Go **Back** to the previous page or **Forward** to where you just were

▶ Click **Stop** to stop loading a page

▶ Click **Refresh** to reload a page

▶ Go **Home** to your starting page

Using the Navigation Toolbar

▶ Click **Print** to print the page you are on, but be careful!

  – One Web page can be many pages when printed

  – Use Print Preview (under the File pull-down menu) to see how many pages will be printed

  – If the Web page you are viewing has frames, be sure to click your cursor in the frame that you want to print

Bookmarking Favorite Pages
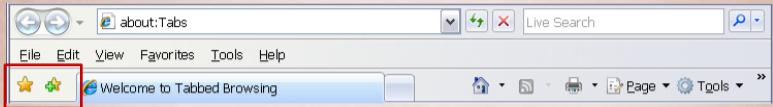
▶ Go to the page you want to bookmark

▶ Click **F<u>a</u>vorites** and select <u>Add to Favorites…</u>

▶ Organize your bookmarks for easier use
  – Click F<u>a</u>vorites and select <u>Organize Favorites…</u>
  – Click Create Folder
    • Type a name for the new folder
  – Drag and drop saved bookmarks to any folder

▶ To delete a bookmark you don't want any more
  – Click F<u>a</u>vorites, right-click the bookmark you want to delete, and select Delete
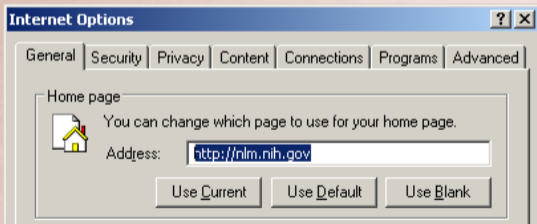
Changing Your Home Page
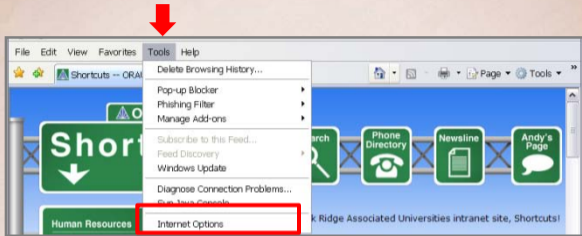
▶ Click the <u>T</u>ools menu and select Internet <u>O</u>ptions

▶ In the Internet Options dialog box, type the URL of your chosen page (e.g. http://www.nlm.nih.gov),

Changing Your Home Page

► **Or… Go to the page you want to use as your home page, click Tools/Internet Options, then click the Use Current button below the address box**

Exploring a Web Site

- ▶ Look for links of topics of interest to click. Links can be
  - A word, a phrase, or a sentence
  - A picture or graphic image
  - You'll know it's a link when the mouse arrow pointer turns into a pointing finger
- ▶ Look for Frequently Asked Questions (FAQs)
- ▶ Look for an electronic forum

Search Directories

- ▶ Organized by subject
- ▶ Categorized and indexed ("hand-picked") by people
- ▶ For broad, general topic searches
- ▶ Examples
  - Google Directory at **http://www.google.com/dirhp**
  - Yahoo Directory at **http://www.yahoo.com** > <u>Directory</u>
  - Open Directory Project at **http://dmoz.org**
  - LookSmart Directory at **http://looksmart.com/x02**

Search Engines

- ▶ Index documents and match text to key words requested by the user

- ▶ Two types
  - – Searches a large portion of pages on the Web
  - – Searches within topics, regions, or sites

- ▶ Some search engines are also Web portals, including Google, Yahoo!, and Ask.

http://www.google.com   **http://www.yahoo.com**   **http://www.ask.com**

Your Search Strategy

- ▶ PLAN!
  - – What are you looking for?
  - – Is the Web the best place to find the information?

- ▶ ACT!
  - – Know which search tool(s) to use

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

How to Construct a Search

► Formulate the search question
  – What information is available about treatment options for children with HIV?

► Identify the important concepts within the question
  – Children, HIV, treatment

► Identify the search terms to describe those concepts
  – Children, HIV, treatment

How to Construct a Search

- ▶ Consider synonyms and variations of those terms
    - Children, childhood
    - Childhood, juvenile, youth, child, adolescent
- ▶ Prepare your search logic (Boolean logic)
    - (children OR childhood) AND hiv AND treatment

Boolean Logic

- Boolean commands: AND OR NOT
  - HIV AND AIDS (finds all search terms)
  - Treatment OR Therapy (finds either term or both)
  - Tuberculosis NOT Pneumonia (eliminates specified terms)
- Nested parentheses
  - Common cold AND (vitamin c OR zinc)

Narrow a Search

▶ To narrow a search on apples, you could
  – Add more words
    • apples macintosh
  – Search as a phrase
    • "apple pie recipe"
  – Exclude words
    • apples – macintosh
    • apples NOT macintosh

Broaden a Search

▶ To broaden a search on "macintosh apples" – Fiji
  – Use a broader term
    • apples
  – Use fewer words
  – Do not search as a phrase
 – Do not exclude words

Printing Web Pages

► Different types of files on the Internet

► Most common file types
  – HTML files – indicated by extension ".html" or ".htm"
  – Adobe Acrobat files – indicated by extension ".pdf"

► On your Web navigation tool bar, click the print icon – or click the File pull-down menu and select Print

Printing HTML Pages

- ▶ HTML pages may not print as seen on screen
- ▶ Use Print Preview (on the File pull-down menu) to see how the page will print and how many pages will be printed
- ▶ If the Web page you are viewing has frames, be sure to click your cursor in the frame that you want to print

Saving Web Pages
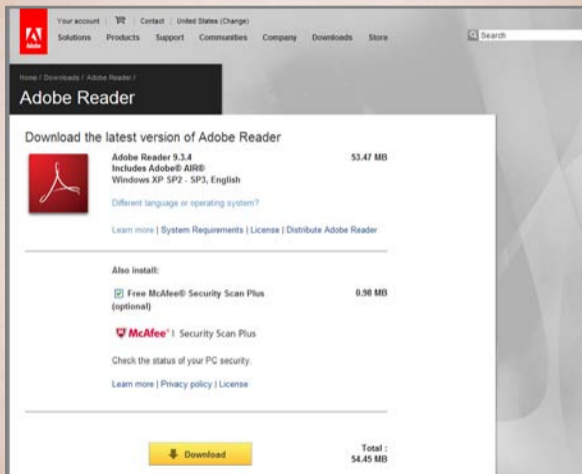
- ► On the navigation tool bar, click the <u>F</u>ile pull-down menu and select Save <u>A</u>s

- ► A window will pop up to allow you to select the folder in which you want to save the document

- ► Select a folder and click the **Save** button
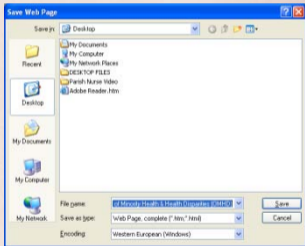
About Adobe PDF Pages

- ▶ Adobe PDF (PDF) is a universal file format
  - – Standard for worldwide electronic document distribution
  - – Created by Adobe Systems, Inc.
- ▶ PDF files will print as they appear on screen
- ▶ PDF displays document information intact
  - – Page numbering
  - – Illustrations
- ▶ Free program to read PDF files is called Adobe Reader

Adobe Reader

FISCAL YEAR 2010

NATIONAL INSTITUTES OF HEALTH

TRANS-NIH PLAN FOR HIV-RELATED RESEARCH

Office of AIDS Research
National Institutes of Health

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TRANS-NIH PLAN FOR HIV-RELATED RESEARCH

Office of AIDS Research
National Institutes of Health
U.S. Department of Health and Human Services

Caution

- Computer viruses are transmitted through e-mail and can be harmful to your computer!
    - Do not open a suspicious e-mail message
    - Immediately delete it and then empty your Deleted Items folder

Finding Quality Health Information
on the Internet

**Where to Start and
How to Evaluate the Information you Find**

Why the Internet?

- ▶ Abundance of FREE information
  - – Medical journals/databases
  - – Clinical trials
  - – Treatment information
  - – Prescription drugs
- ▶ 24-hour-per-day availability
- ▶ Current awareness
- ▶ Connecting with others with similar medical problems
- ▶ Anonymity/privacy

Evaluating Internet Resources

▶ Be careful: Information on the Internet may be unreliable

▶ Be savvy: Evaluate the information you find

Savvy Health Surfing

- ▶ Authority
- ▶ Accuracy
- ▶ Coverage
- ▶ Currency
- ▶ Objectivity
- ▶ Design Features

Cases of Inaccurate And Fraudulent Web Information

▶ Reports of anthrax exposure have resulted in fraudulent Web sites selling products to protect against biological threats

▶ On October 15, 2009, the FDA and FTC issued a joint warning to a Web site marketing fraudulent supplements that claimed to help prevent the spread of the 2009 H1N1 Virus

Cases of Inaccurate Web Information

► Home HIV tests
  – Many home HIV test kits sold over the Internet supply inaccurate results according to the Federal Trade Commission
  – Correct information: Only one home test is reliable, as per the Food and Drug Administration (FDA)
    • Home Access Express HIV-I Test System

Caution

- ▶ Avoid Web sites that:

- ▶ Advertise a "new cure" for a serious disorder or a quick cure-all for a wide range of ailments

- ▶ Use impressive-sounding terminology to disguise a lack of good science or those that claim the government, the medical profession, or research scientists have conspired to suppress a product

- ▶ Include undocumented case histories claiming "amazing" results

Evaluating Internet Resources

▶ Use your best judgment and these criteria to evaluate information on the Internet

▶ Consult your health care professional before making any treatment decisions

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- Human Genome Resources
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infoSIDA

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

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

GUIDELINES UPDATED

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

› Treatment / Prevention
› About the HIV Treatment Guidelines
› Download / Order

DRUGS

Fact sheets on HIV/AIDS-related drugs:

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

CLINICAL TRIALS

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

› Search for Clinical Trials
› New HIV/AIDS Trials

VACCINES

Information on preventative and therapeutic HIV vaccine research:

› Preventive HIV Vaccines
› Therapeutic HIV Vaccines
› Search for Vaccine Trials

HEALTH TOPICS

Find resources on HIV/AIDS-related topics:

› Resources
› Fact Sheets
› Microbicides

MORE AIDSINFO

More useful AIDSinfo features:

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

What's New on AIDSinfo

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Highlights

- Updated Pediatric Guidelines Released - August 16, 2010
- NIH-Funded Study Finds Early HAART During TB Treatment Boosts Survival Rate in People Co-Infected with HIV and TB - July 22, 2010
- NIH Scientist Anthony S. Fauci to Address Early HIV Infection and a Novel Target for HIV Vaccine Development - July 20, 2010
- More...

Features

- Add AIDSinfo to Your Website!
- Homework Help
- At-a-Glance Archive

ClinicalTrials.gov is a registry of federally and privately supported clinical trials conducted in the United States and around the world. ClinicalTrials.gov gives you information about a trial's purpose, who may participate, locations, and phone numbers for more details. This information should be used in conjunction with advice from health care professionals.

Read more...

▶ **Search for Clinical Trials**

Find trials for a specific medical condition or other criteria in the ClinicalTrials.gov registry. ClinicalTrials.gov currently has 95,222 trials with locations in 174 countries.

▶ **Investigator Instructions**

Get instructions for clinical trial investigators/sponsors about how to register trials in ClinicalTrials.gov. Learn about mandatory registration and results reporting requirements and US Public Law 110-85 (FDAAA).

▶ **Background Information**

Learn about clinical trials and how to use ClinicalTrials.gov, or access other consumer health information from the US National Institutes of Health.

Resources:

Understanding Clinical Trials

What's New

Glossary

Study Topics:

List studies by Condition

List studies by Drug Intervention

List studies by Sponsor

List studies by Location

This site complies to the **HONcode standard** for trustworthy health information: **verify here.**

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[   ]   **Search**   Clear

PubMed

PubMed comprises more than 20 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

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Topic-Specific Queries

More Resources

MeSH Database

Journals Database

Clinical Trials

E-Utilities

LinkOut

GETTING STARTED	RESOURCES	POPULAR	FEATURED	NCBI INFORMATION
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NCBI Handbook	DNA & RNA	Nucleotide	Reference Sequences	Research at NCBI
Training & Tutorials	Proteins	BLAST	Map Viewer	NCBI Newsletter
	Sequence Analysis	PubMed Central	Genome Projects	NCBI FTP Site
	Genes & Expression	Gene	Human Genome	
	Genomes & Maps	Bookshelf	Mouse Genome	
	Domains & Structures	Protein	Influenza Virus	
	Genetics & Medicine	OMIM	Primer-BLAST	
	Taxonomy	Genome	Sequence Read Archive	
	Data & Software	SNP		
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NIH National Institutes of Health

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shingles stroke

https://medlineplus.gov

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Check out our Widgets page to learn how.

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

MEDICAL DICTIONARY [   ] GO

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COPD (Chronic Obstructive Pulmonary Disease)
Depression
Diabetes
Exercise and Physical Fitness
Heart Diseases
High Blood Pressure
Pregnancy
Skin Conditions
Weight Control

NIHSeniorHealth | Clinical Trials

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03 SEP **Health News**

Lower Blood Pressure May Help Sicker Kidney Patients

Mental 'Exercise' May Only Hide Signs of Alzheimer's

To Not Sleep, Perchance to Shorten Your Life

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- Tips for searching by topics, authors, titles or searching meeting abstracts.

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