HEALTH SCIENCES LITERATURE

Public Health
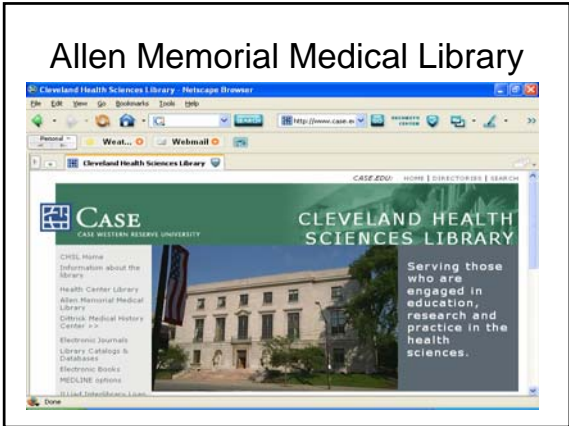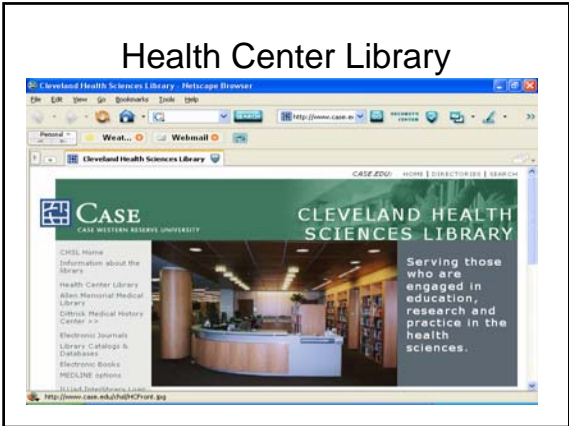
SEARCHING
SYNTHESIZING
CITING

CASE WESTERN RESERVE UNIVERSITY

Cleveland Health Sciences Library

- Two Locations:

  – Health Center Library

  – Allen Memorial Medical Library

Health Center Library

Allen Memorial Medical Library

What do you need to begin?

- Topic
- Access to information

Access to Information

- Computer
- Internet connection
  – Hardwired
  – Wireless
    • VPN
- Web Browser

Web Browser

- An interactive program (client) that requests, retrieves, and displays pages from the World Wide Web.

  - Access Science, McGraw-Hill Encyclopedia of Science and Technology Online [database on the internet]. The McGraw-Hill Companies [cited 9 January 2006]. Available from http://www.accessscience.com/server-java/Arknoid/science/AS

Browsing the web

- Search engines
- Catalogs
- Databases

Search Engine

- Any software that locates and retrieves information in a database.

  - Access Science, McGraw-Hill Encyclopedia of Science and Technology Online [database on the internet]. The McGraw-Hill Companies [cited 9 January 2006]. Available from http://www.accessscience.com/server-java/Arknoid/science/AS

Catalog

- A list of items in a data storage device, usually arranged so that a particular kind of information can be located easily.

  - Access Science, McGraw-Hill Encyclopedia of Science and Technology Online [database on the internet]. The McGraw-Hill Companies [cited 9 January 2006]. Available from http://www.accessscience.com/server-java/Arknoid/science/AS

Database

- A nonredundant collection of interrelated data items that can be shared and used by several different subsystems.

  - Access Science, McGraw-Hill Encyclopedia of Science and Technology Online [database on the internet]. The McGraw-Hill Companies [cited 9 January 2006]. Available from http://www.accessscience.com/server-java/Arknoid/science/AS

- More on this later!

Where do you begin?

- Define your topic
  - Use a dictionary or a textbook
- Find in-depth information from books
- Find current information from journal articles
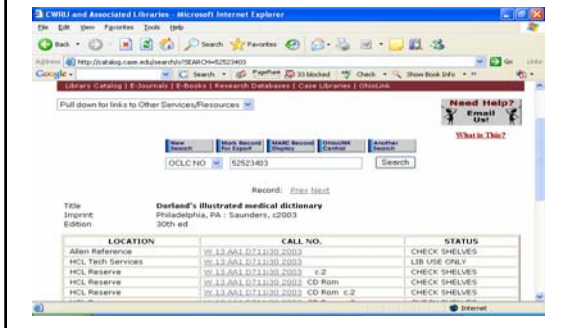- Look for other information

How do you find a dictionary?

- Look in a catalog
  - At CWRU, the catalog is EuclidPLUS
  -(http://catalog.case.edu/)
- Look in an online resource
  - CHSL has links to Electronic Books
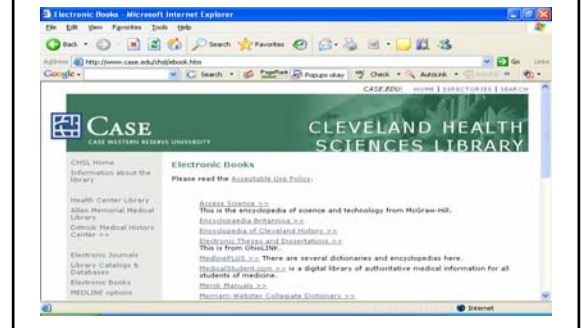 - (http://www.case.edu/chsl/ebook.htm)
- Buy a dictionary

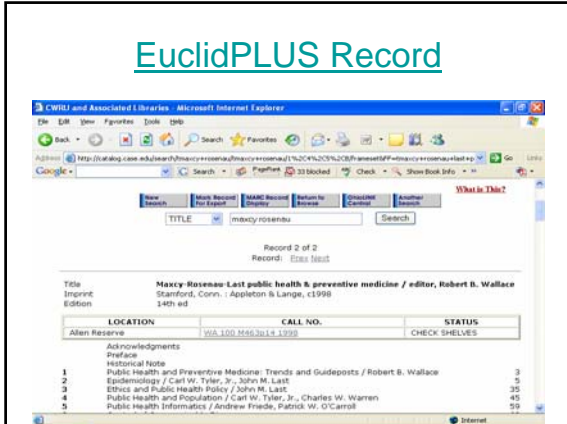## EuclidPLUS
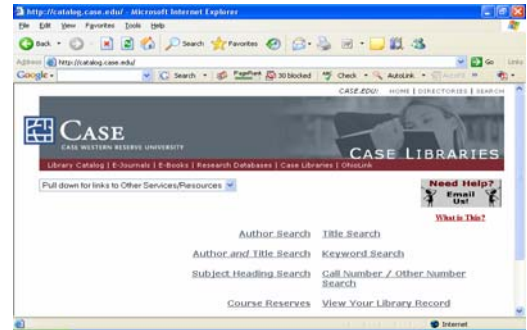
Medical Dictionary

Electronic Books

Medical Dictionary at MedlinePlus

How do you find a textbook?

- Look in a catalog
  - At CWRU, the catalog is EuclidPLUS
  -(http:catalog.case.edu)

- Look in an online resource
  - CHSL has links to Electronic Books
  - (http://www.case.edu/chsl/ebook.htm)

- Buy a textbook

EuclidPLUS Record

How do you find other books?

- Look in a catalog
  – At CWRU, the catalog is EuclidPLUS
  -(http:catalog.case.edu)

- Look in an online resource
  – CHSL has links to Electronic Books
  – (http://www.case.edu/chsl/ebook.htm)

- Buy some books

Book with access to electronic version
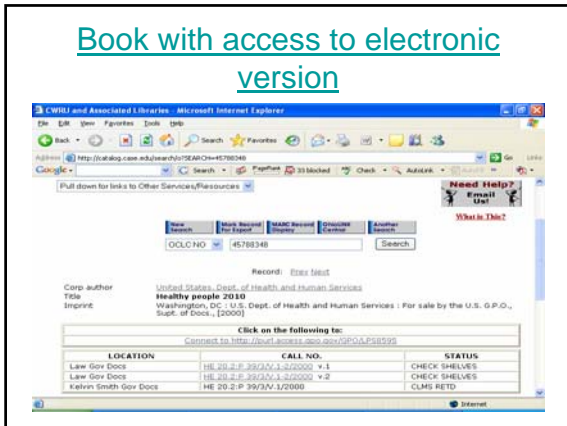
Electronic Book
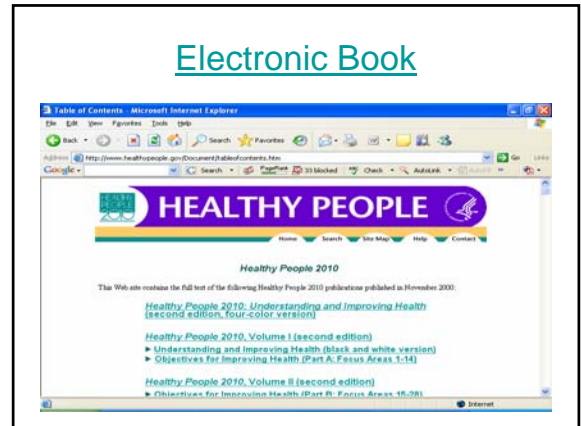
Books!

- Not every book is electronically available!
- There will be times when you will actually be compelled to read a book – not necessarily cover-to-cover, but enough to find the information you need.

Journal Information

- Journals or Serials or Periodicals or Magazines publish current information on a regular basis.
- Sometimes these publications are print.
- Sometimes these publications are electronic.
- Sometimes these publications are both electronic and print.

Journals

- Not every journal is available electronically.
- CWRU does not have access to every journal that is available electronically.
- CHSL has links to Electronic Journals.
  - (http://www.case.edu/chsl/ejournal.htm)

Electronic Journals
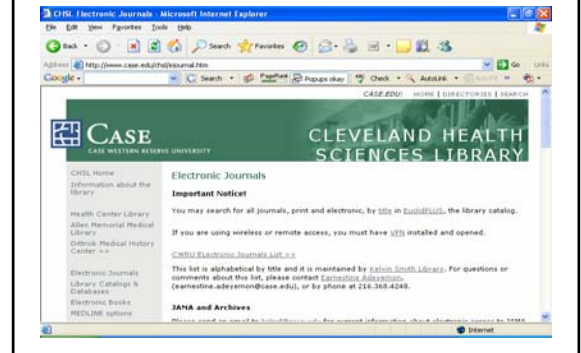
## Case's A to Z List
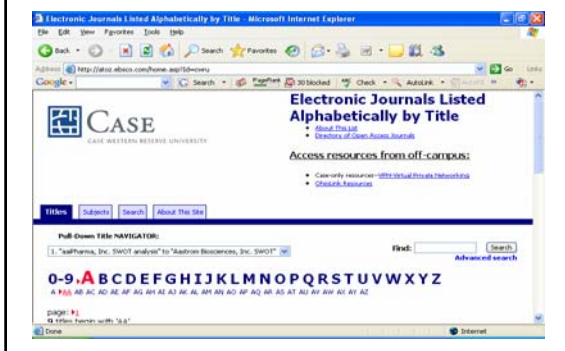
How do you find current articles?

- Most peer-reviewed journals are indexed by databases.

What is a peer-reviewed journal?

- "A peer-reviewed journal is one that submits most of its published research articles for outside review. "
- This quote is from the

ICMJE - Uniform Requirements for Manuscripts Submitted to Biomedical Journals (http://www.icmje.org/)

Uniform Requirements
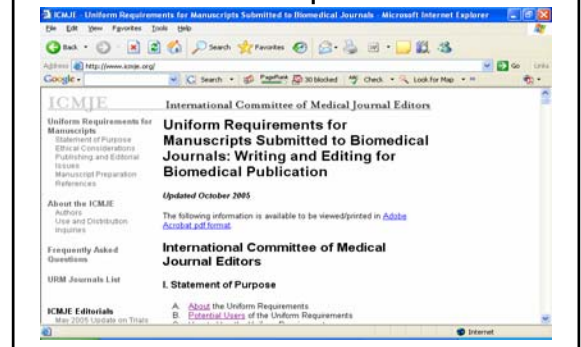
What is a database?

- Databases are collections of data organized for rapid search and retrieval by a computer. In libraries they are primarily bibliographic in nature, indexing journals, meetings and sometimes books. An example of a database is PubMed. (http://www.ncbi.nlm.nih.gov/entrez/query.f cgi?holding=cwruclib_fft_ndi,ohiolinklib&ot ool=ohiolink)

PubMed

Searching the literature

- CHSL provides some links to Library Catalogs and Databases.
  - (http://www.case.edu/chsl/catalogs.htm)

Library Catalogs and Databases
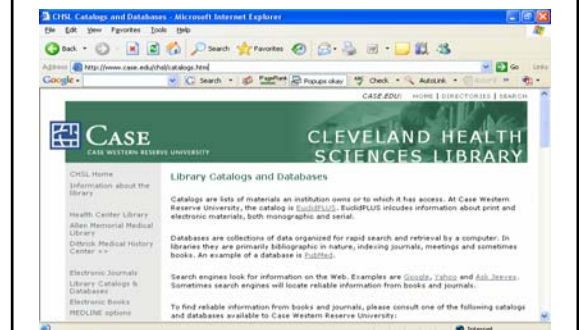
PubMed

- is the NLM's premier bibliographic database covering the fields of medicine, nursing, dentistry, veterinary medicine, the health care system, and the preclinical sciences. MEDLINE contains bibliographic citations and author abstracts from more than 4,800 biomedical journals published in the United States and 70 other countries. The database contains over 16 million citations dating back to the 1950's. Coverage is worldwide, but most records are from English-language sources or have English abstracts.

PubMed Keyword Search
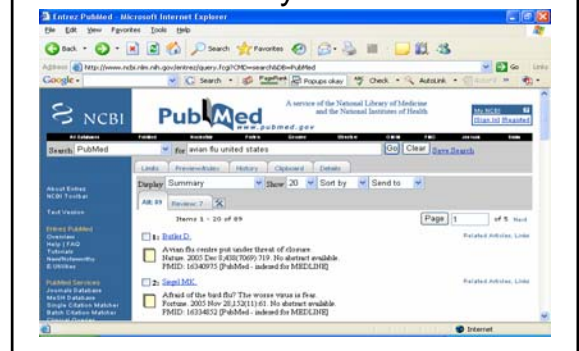
PubMed Author Search

PubMed Abstract Display

Notice the two hotlinks.

CWRU Hotlink

This is FREE full text.

OLINKS

Notice all the options:
Full text at Portland Press
HCL Periodicals
CWRU Electronic Resources
Format Citation

Another example -Olinks

Article Citation from OLINKS

Link to Full-Text

The Electronic Article

Other Databases – Health Sciences at Case

LexisNexis Academic
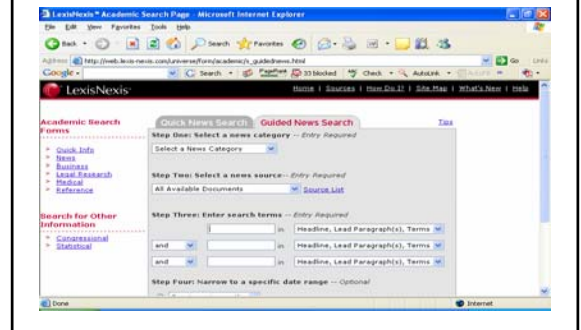
CDC Wonder
http://wonder.cdc.gov//
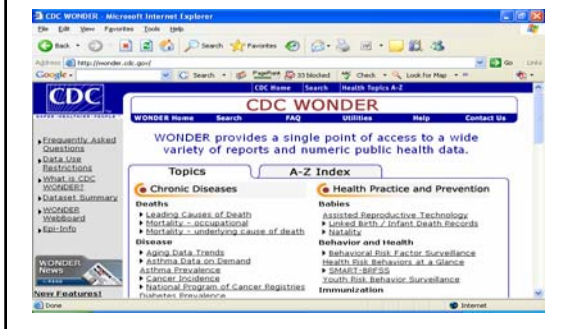
Find Other Information

- MedlinePlus Health Information from the National Library of Medicine
  - (http://www.nlm.nih.gov/medlineplus/)
- Centers for Disease Control and Prevention (http://www.cdc.gov/)
- Cleveland Department of Public Health
  - (http://www.clevelandhealth.org/)

MedlinePlus

Centers for Disease Control

City of Cleveland - Department of Public Health

More Information…

- Ohio Department of Health (http://www.odh.ohio.gov/)
- World Health Organization (http://www.who.int/en/)
- Faststats A to Z (http://www.cdc.gov/nchs/fastats/Default.htm)
- American Public Health Association – APHA (http://www.apha.org/)

Ohio Department of Health

American Public Health Association - APHA

Faststats A to Z

World Health Organization

Using a Search Engine

- Google (http://www.google.com/)
- Google Scholar
  (http://scholar.google.com/)
- Dogpile (http://www.dogpile.com/)

Google

Google Scholar

Dogpile

Dogpile Search

Pulling Everything together

- It is best to read what you have found
- Try to summarize
- Try to paraphrase
- Provide appropriate bibliographic citations
- Evaluate web pages carefully before including them in your research

Evaluating information found on the internet

Evaluating information found on the internet

- Kirk, E. E. Evaluating information found on the Internet [tutorial on the internet]. Baltimore: the Sheridan Libraries, Johns Hopkins University; 1996 [cited January 13, 2006] . Available from: http://www.library.jhu.edu/elp/useit/ evaluating/

Pulling everything together

- Word Processor
- Perhaps a program for bibliographic management software
  - Reference Manager (http://www.refman.com/)
  - EndNote (http://www.endnote.com/)
  - ProCite (http://www.procite.com/)
  - RefWorks (available on campus - http://library.case.edu/ksl/info/news/20050221refworks.html)
  - OhioLINK (http://www.ohiolink.edu/help/cite-sources.html)
- Style Manual

Style Manual

- **Publication manual of the American Psychological Association** (http://catalog.case.edu/search/o?SEARCH=46642003)
- **Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication (http://www.icmje.org/)**

APA

Uniform Requirements (Vancouver)

OhioLINK Information

Copyright and Plagiarism

- Copyright Links from KSL
  - (http://library.case.edu/ksl/services/reserves/copy_links.html)

- Plagiarism.org
  - (http://www.plagiarism.org/)

KSL's Copyright Information

Plagiarism

Cleveland Health Sciences Library

- Reference Department
  (http://www.case.edu/chsl/ref.htm)
- Library Hours
  (http://www.case.edu/chsl/hours.htm)
- Library Staff
  (http://www.case.edu/chsl/staff.htm)

CASE WESTERN RESERVE UNIVERSITY