



Literature Searching

Literature Searching :Year 2 Research Projects

30 September, 2020

Presented by
The Medical Sciences Library

Objectives

- To introduce students to literature searching and referencing.
- Identify resources for medical and health literature searching.

Key areas to be covered

- **Introducing the Big 6**
- **Introduction to Databases**
- **UWI Subscribed Databases –Ebscohost Medline**
- **Free database – PubMed**
- **UWILinC**
- **e-Journals**
- **Constructing a search strategy [independent student review]**
- **Conducting a literature review [independent student review]**

Introducing the Big 6

- Big 6 is a six-stage model to help anyone solve problems or make decisions by using information.

- Source: <http://big6.com/>

- **Finding** (enquiry and research)
 - **Processing** (reflection and synthesis)
 - **Using information effectively**
(assignments and examinations)



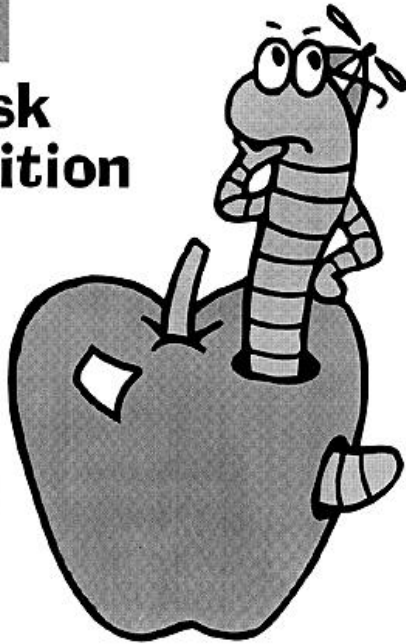
The Big Six

#1

Task Definition

- What's the task?

- What types of information do I need?



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- Break-down your clinical question
- Identify key words or subjects for searching (consider broad, narrower, and related subjects)

The Big Six

#2

Information Seeking Strategies

- What are possible sources?

- Which are the best?



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- Consider the types of information needed
- Choose the best sources
- **Definitions**-dictionaries
- **Retrospective information** –books, encyclopaedias
- **Specialized drug information** -drug indexes
- **Clinical discussion** -Journal articles, reports, proceedings
- **Current information** -websites and databases

Currency limits at the FMS- 5 years

The Big Six

#3

Location And Access

- Where is each source?

- Where is the information in each source?



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- The Medical Sciences Library + website
- Other UWI Libraries
- Other Medical/Health Libraries
- Special Libraries
- The National Library System
- Professionals
- Organizations (Govt; NGOs; Regional; Int'l - PAHO, WHO)
- The Virtual Health Library

**Find the best evidence/information
for your research**

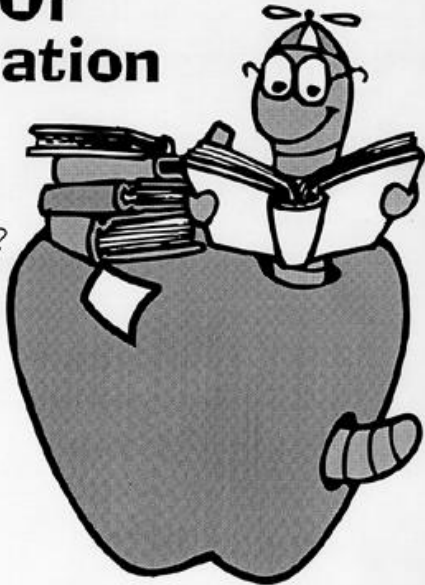
The Big Six

#4

Use Of Information

- How can I best use each source?

- What information in each source is useful?



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- Engage – read, hear, view, the information
Look for relevant, useful information
- Note main points, key phrases and important facts
- Take notes
- Paraphrase
- Do not plagiarize
- Document accurately sources used to compile your references

Transcribe effectively

The Big Six

#5

Synthesis

- How can I organize all the information?
- How can I present the result?



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- Create a graphic organizer e.g. a mind map
- List key points
- Scan, and pull out “on topic” materials from various sources
- Decide on best method of presentation
- Use appropriate style (structure, language and illustrations)
- Use effective format (font size, line-spacing and bold)
- Provide accurate references using the Vancouver Style

Synthesize the information

The Big Six

#6

Evaluation

- Is the task completed?
- How can I do things better?



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- Ask yourself
- Is the task complete?
- Does my solution answer the original question?
- Did I find authoritative sources?

HANDS-ON SESSION

IDENTIFYING RESOURCES

- Databases (2) – search 1 free and 1 subscribed database
- UWILinC – search the resources of 4 UWI Campuses
- E-journals – search by subject or within one journal e.g. American Journal of Public Health

SEARCH STRATEGY BASICS (Cont'd)

FOR THE HANDS- ON SESSION

- Covid-19
- Covid-19 AND pets
- Covid-19 NOT vaccines

What is a database?

- **A database** is an electronic repository of information. This information could be in the form of full-text documents, images, music and videos.
- **Databases** contain scholarly and peer-reviewed content written by **researchers** experts in their field.
- **Databases** provide a vast array of information, filters and search tools for narrowing results.
- There are over 45 medical and health research databases for students of the Faculty of Medical Sciences.
- Some of these databases are **interdisciplinary** (spanning several disciplines) or **subject-specific** (focusing on a particular discipline, such as history, psychology, or literature.)

Synonyms

- **Database =**
- **Electronic database=**
- **Research database=**
- **Library database =**
- **Online databases**

Why use databases?

Databases

- Safe to use in the academic environment
- Contain large amounts of information and data
- Provide access to authentic, high quality research
- Provide current and updated information
- Ensure accuracy of research
- Have security features to control access to information
- Contain copyrighted information
- UWI / FMS databases support your taught UWI curriculum

- Addresses
- Autobiography
- Bibliography
- Biography
- Books and Documents
- Case Reports
- Classical Article
- Clinical Conference
- Clinical Study
- Clinical Trial
- Comment
- Comparative Study
- Congresses
- Consensus Development Conference
- Controlled Clinical Trial
- Corrected and Republished Article
- Dataset
- Dictionary
- Directory
- Duplicate Publication
- Legislation
- Letter

- Editorial
- Electronic Supplementary Materials
- Evaluation Studies
- Festschrift
- Government Publications
- Guideline
- Historical Article
- Interactive Tutorial
- Interview
- Introductory Journal Article
- Journal Article
- Lectures
- Legal Cases
- Meta-Analysis
- Multicenter Study
- News
- Newspaper Article
- Observational Study
- Patient Education Handout
- Periodical Index
- Personal Narratives

- Portraits
- Practice Guideline
- Pragmatic Clinical Trial
- Published Erratum
- Randomized Controlled Trial
- Research Support, American Recovery and Reinvestment Act
- Research Support, Government ETC
- Retracted Publication
- Retraction of Publication
- Review
- Scientific Integrity Review
- Systematic Reviews
- Technical Report
- Twin Study
- Validation Studies
- Video-Audio Media
- Webcasts

Scholarly and grey literature



THE UNIVERSITY OF THE WEST INDIES
AT ST. AUGUSTINE, TRINIDAD AND TOBAGO

- APPLY TO UWI
- PROGRAMMES
- FACULTIES / ACADEMICS
- CAMPUS LIFE
- CURRENT STUDENTS
- FUTURE STUDENTS
- RESEARCH
- ADMINISTRATION
- LIBRARIES
- MEDIA CENTRE



The Medical Sciences Library



Website: <http://libraries.sta.uwi.edu/msl>

The School of Education Library



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MEDICAL SCIENCES LIBRARY

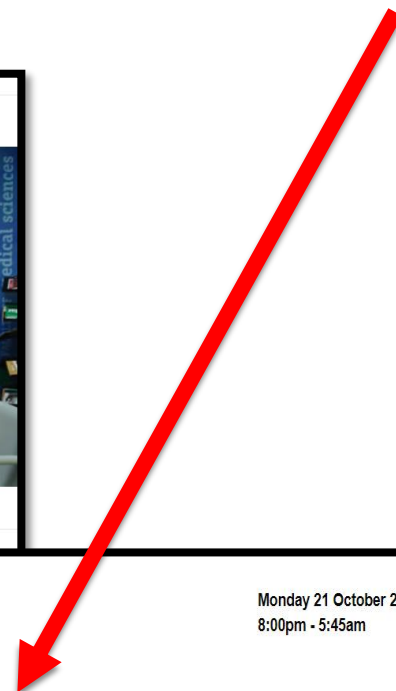
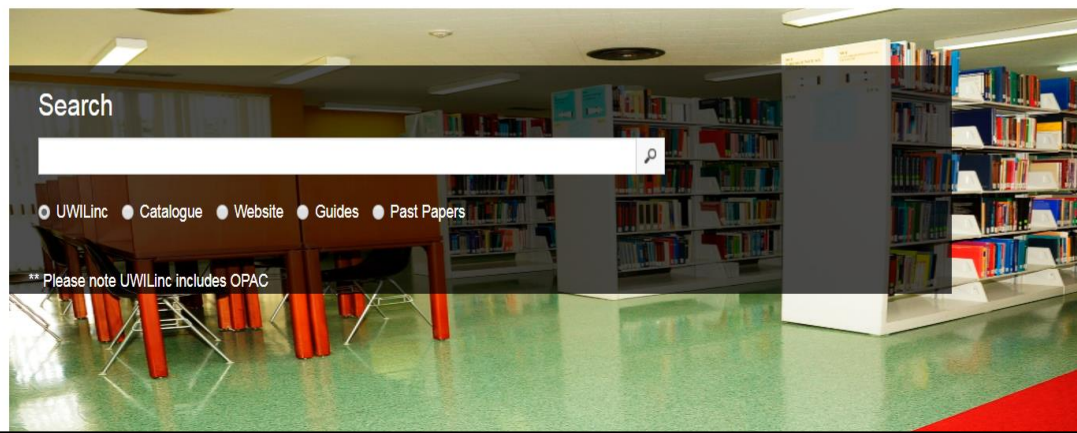
Monday 21 October 2019 - 8:30am - 8:00pm
8:00pm - 5:45am

- Home
- About the Library
- Library Resources
- Library Services
- Useful Websites
- Ask A Librarian
- Campus Librarian

Search

- UWILinc
- Catalogue
- Website
- Guides
- Past Papers

** Please note UWILinc includes OPAC



WHICH DATABASES FOR FMS STUDENTS?

A - Z Listing of Databases

These are the online databases to which The University of the West Indies St Augustine Campus Libraries currently subscribes as well as free databases. Due to terms and conditions in licensing agreements, access to certain databases, are restricted to **registered students, current faculty and staff of the University of the West Indies**. The databases to which this applies are indicated as UWI-subscribed.

[Show ALL Databases](#)

Browse by Title: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Browse by Broad Subject Category:

Medical Sciences ▼

SEARCH

[SFX Help](#)

[Policy on Access to Licensed Web Resources](#)

[Troubleshooting Guide](#)

Accessing databases from off-campus

- When you are **off-campus**, you will need to authenticate as a **current** UWISTA student in order to access our subscription databases.
- When you click on a subscribed database link from the library homepage, you will be brought to the authentication page. Enter your UWISTA student ID number and password (the same credentials you use for logging into My Elearning).

Constructing a Search Strategy

SEARCH STRATEGY BASICS

Identify key/main concepts in your problem

Identify synonyms/related terms and variant spellings for each concept

Combine main concepts to form an intelligible search phrase, starting with the most significant concept.

(N.B. Sometimes it helps to use Boolean Operators in your phrase, that is, AND, OR, NOT)

AND – narrows search and connects main concepts

OR – broadens search, usually connects synonyms, related terms

NOT – excludes unwanted items from your search results

PubMed (free database)

Medline-EbscoHost (subscribed database)

- Interface Overview
- Basic Searching (setting filters, altering display)
- Searching using MESH Database
- Single Citation Searching
- Managing Filters to show resources held by the MSL
- Using Linkout Feature to get free full text

eJournals

- Print Subscription
- Online Subscription (E-Journals)
- Current Journals A-Z List

Via UWLinC

UWILinC

- Portal which provides a single interface for searching the library catalogues of the four campuses – St. Augustine, Mona, Cave Hill and Open Campus
- Also searches Primo Central, a database supplied by the vendor of UWILinc
- A gateway to the library's resources

http://uwin-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/search.do?vid=STA&

Referencing / Citation

- Cite what you write
- Avoid plagiarism
- Pharmacy students : use the Vancouver citation style

WATCH THE VIDEO:

<https://www.youtube.com/watch?v=7Ztb94gd0JM>

CONSULT THE GUIDE

https://www.nlm.nih.gov/bsd/uniform_requirements.html

Conducting a literature review

Concept

Tips and Considerations

Before you begin, think about:

- Do you have a clear focused topic/question?

- Is your scope reasonable?
- Search several databases; limit to review articles

What type of review are you writing?

- e.g. narrative review, systematic review, background for a research article

- Check standards for the type of review you're writing
- Look at other reviews published in your target journal

Comprehensive Search

- Search multiple databases
- Search by topic
- Citation tracking for key articles
- How do you know you're done?
- Red flags: look for patterns

- Subject specific database(s) and multi-disciplinary database(s)
 - e.g. PubMed , Medline
- Identify concepts and search terms Be conscious of saturation
 - All/most from single research group or perspectives
 - No recent publications

Conducting a literature review

Concept

Tips and Considerations

Document your search process

- Set up system before you start

- Use a concept table to organize search terms
- Track databases you search
- Track search strategies used
- Refine your searches

Do final searches

- Use refined strategy to search all databases
- Capture searches (e.g. save in database or screen shot)

Manage what you find

- Create accounts in each database order to save results
- Use EndNote

- PubMed , Medline, Web of Science
- CINAHL etc
- Endnote

Keep current

- Discover new articles on your topic as they are published

- Save final searches and set up alerts

The end

Questions?