Midwifery Bridging Program

Research Skills and Resources Workshop

Learning Commons, BC Children’s and Women’s Hospital
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Getting Help

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Mon.-Fri. 10-4, Sat. 2-5  wd.ref@ubc.ca

AskAway – Chat with librarians from across BC
Library homepage → Ask An Expert
## What We Will Cover

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Research Guides

Midwifery Research Guide

http://guides.library.ubc.ca/midwifery

Great place to start your research! Here you will find...

• Where to get help
• Links to useful databases for Midwifery
• Clinical practice tools
• Citation and bibliography resources
• Tutorials, handouts, videos, workshops
• Where to find resources when you leave UBC
Searching the Library

Access Library Resources

Research guides
PubMed

• PubMed.gov is the U.S. National Library of Medicine's free, web searchable database which includes MEDLINE - the premier international index to biomedical research covering more than 5,600 peer-reviewed, scholarly journals and indexing over 24 million citations from 1946 to present.

• Anyone can access PubMed to conduct a search but to link to journals and articles, go through the UBC Library website

• You could also search the MEDLINE database using the Ovid or EBSCO interfaces
Intro to Navigating PubMed

• Basic search – like Google!
• Article records – title, abstract, UBC e-link, similar articles you might like, save items
• Add Limits / Filters
• Saving article records and searches (create alert)
• Our search – What did PubMed actually do with our search terms?
Keywords

- Searches that *exact* word from the title, subject headings, and abstract
- Helps find recent articles and articles that aren’t directly on your topic but are still relevant as well as recent articles
- Good idea to use OR, AND, truncation* and “phrase searching”
Subject Headings

• Also called thesauri, subject headings, MeSH, etc.

• Terms added by indexers to records, rather than authors, to describe the main subjects or concepts in the article

• Standardized to control for synonyms and variant spellings
  
  – eg. Synonyms: Heart attack or Myocardial infarction, variant spellings: paediatric or pediatric, related ideas: Anesthesia – professional specialization or therapy for a patient?

• Helps find articles that are substantially related to your subject
MeSH

- PubMed automatically trieds to match your search terms to MeSH terms! **Eg. Chocolate:**

**Cacao**

A tree of the family Sterculiaceae (or Byttneriaceae), usually Theobroma cacao, or its seeds, which after fermentation and roasting, yield cocoa and chocolate.


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**All MeSH Categories**
- Organisms Category
  - Eukaryota
  - Plants
    - Viridiplantae
    - Streptophyta
    - Embryophyta
    - Angiosperms
    - Sterculiaceae
    - Cacao
Activity

• Try a search in PubMed!
• Open up an article record
• Get the full text
• Create an account if you like and add your article to a “collection” (ie. a folder)
Use PICO to help break down your question into distinct concepts that you can then build into a search strategy

**P**  Patient / population / problem (who or what eg. ailment, population)

**I**  Intervention / exposure (treatment, test, procedure, medication, or illness or injury if studying the effects of an illness on a population)

**C**  Comparison (there aren’t always multiple alternatives, or you might be looking at something VS nothing)

**O**  Outcome (the outcome you’re looking at might be to relieve or eliminate symptoms, prevent recurrence, lower mortality, find a correct diagnosis)
# PICO – Building a Search Strategy

P: patient / population / problem

<table>
<thead>
<tr>
<th>List MeSH for your concept</th>
<th>OR</th>
<th>List keywords for your concept</th>
</tr>
</thead>
</table>

I: intervention / exposure

<table>
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<tr>
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C: comparison

<table>
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<th>OR</th>
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O: outcome

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<th>OR</th>
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CINAHL

• Indexes over 2700 journals related to nursing and allied health from 1982 to present

• Uses CINAHL Headings (subject headings like MeSH and searchable in the same way, though they are not as robust)

• Also includes:
  – Evidence-Based Care Sheets
Intro to Navigating CINAHL

- CINAHL Headings
- Keywords
- Searches
  - Create account and save searches
  - Delete unwanted lines
  - Combine lines
  - Edit searches
- Add Limits
- UBC e-Link
- Saving records to a folder for later
Structured Searching

<table>
<thead>
<tr>
<th>Search ID#</th>
<th>Search Terms</th>
<th>Search Options</th>
<th>Actions</th>
<th>Articles about both Concept 1 AND Concept 2 !</th>
</tr>
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<tr>
<td>S7</td>
<td>S3 AND S6</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (355)</td>
<td>View Details</td>
</tr>
<tr>
<td>S6</td>
<td>S4 OR S5</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (757)</td>
<td>View Details</td>
</tr>
<tr>
<td>S5</td>
<td>&quot;cranberry juice&quot; OR cranberry* OR vaccinium macrocarpon™</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (757)</td>
<td>View Details</td>
</tr>
<tr>
<td>S4</td>
<td>(MH &quot;Cranberry Juice&quot;)</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (225)</td>
<td>View Details</td>
</tr>
<tr>
<td>S3</td>
<td>S1 OR S2</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (9,909)</td>
<td>View Details</td>
</tr>
<tr>
<td>S2</td>
<td>&quot;urinarytract infection™ OR uni OR uits&quot;</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (9,909)</td>
<td>View Details</td>
</tr>
<tr>
<td>S1</td>
<td>(MH &quot;Urinary Tract Infections&quot;)</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (6,612)</td>
<td>View Details</td>
</tr>
</tbody>
</table>

CONCEPT 1 = Keywords OR Subject Headings
CONCEPT 2 = Keywords OR Subject Headings
Practice

• Translate your own question into PICO elements or concepts

• Try a structured search using CINAHL
  – Use Keywords – try using truncation*, phrases “…” , and OR
  – Use CINAHL Subject Headings – Are there CINAHL Headings that fit your concepts?
  – Try limiting your results by article type or publication year

• Look at your results
  – Are they what you are looking for?
  – Can you get the full text?

• Try searching for Diabetes mellitus or Urinary tract infections
PubMed Advanced Searching

• Oxytocin and Labour
  – How did PubMed interpret my search?
• Search the MeSH database
• Advanced search option

• Activity – look at search details of your previous search. Search for MeSH terms and keywords
RefWorks

- Free to all UBC students and alumi
- Helps you create folders of articles and bibliographies for your papers
- Can use any citation style including Uniform
- New interface
Questions?