UBC LIBRARY RESEARCH SUPPORT

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LEARNING OBJECTIVES

• Know where to get help and where to find UBC Library resources
• Be able to identify the right resources and databases for your research question
• Developing PICO questions and using PICO to form a search strategy
• Be able to find resources on your topic using PubMed and use advanced features such as Clinical Queries, saving searches, and finding related articles
• Be able to use subject headings and keywords in Medline OVID (or another relevant database)
• Know some strategies for narrowing or broadening your search
• Be able to access, save, and export resources
UBC LIBRARY COLLECTIONS

UBC Library Collections include:

- Over 7 million items (print and electronic)
- Access to more than 2.1 million e-books
- Access to more than 370,000 journal titles
- Over 5.3 million microforms
UBC LIBRARY COLLECTIONS

Core Databases

• PubMed
• Medline (OVID, EBSCO)
• Embase
• CINAHL
• PsycINFO
• EBM Reviews (Cochrane databases)
• ACP Journal Club

Point of Care Tools

• DynaMed
• BMJ Best Practice
• ClinicalKey
WOODWARD LIBRARY AND BMB (VGH) LIBRARY
Woodward Library
woodward.library.ubc.ca

Includes:
- Research Guides
- Tutorials
- Services at UBC Teaching Hospitals
- Workshops
RESEARCH GUIDES TO HELP START YOUR RESEARCH

Pediatrics: Getting Started

Related Guides
- Health and Medicine Guides
  Browse other UBC health research
guides
- Evidence-Based Health Care
  (EBHC)
- Systematic Review Search
  Methodology guide
- Grey Literature for Health Sciences

Key Resources
- MEDLINE (Ovid)
  Premier biomedical database with over 23 million journal articles in the life sciences.
  Similar to PubMed in content, this OvidSP interface facilitates structured searching
  and allows editing of search histories.
- PubMed (1946 - present)
  Premier database containing over 24 million references to journal articles in life
  sciences with a focus on biomedicine. Freely available and includes MEDLINE. This
  link goes to the version with UBC eLink.
- EMBASE (Ovid)
  International (but European-focused) biomedical database with strengths in
drug-related and rehabilitation sciences subjects.
- CINAHL - Cumulative Index to Nursing and Allied Health Literature
  Key database in nursing and allied health.
- Red Book Online
  From the American Academy of Pediatrics, provides up-to-date, reliable, clinically
  useful findings on the manifestations, etiology, epidemiology, diagnosis and
treatment of over 200 childhood infectious diseases.

Research Help
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AskAway
PICO

PICO can 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 EXAMPLE

In people suffering from urinary tract infections, can cranberries help to prevent recurrence?

<table>
<thead>
<tr>
<th>P</th>
<th>Patient / population / problem</th>
<th>UTIs</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Intervention / exposure</td>
<td>Cranberries</td>
</tr>
<tr>
<td>C</td>
<td>Comparison</td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Outcome</td>
<td>Prevent or decrease recurrence</td>
</tr>
</tbody>
</table>

Among P does I (versus C) affect O?
TRANSLATING A PICO QUESTION INTO A SEARCH STRATEGY

- **P**: UTIs
- **I**: Cranberry Juice
- **O**: Recurrence

Select resources to search

Add limit?
Eg. Publication Type
SELECTING THE BEST RESOURCE

The resource you select will depend on:

- How much time you have
- The purpose of your question
- Your Context
- Resource availability

“Grey” Literature
- Practice Guidelines
- Clinical Trials (unpublished)
- Conference Proceedings

Synthesized/filtered information
- TRIP Database
- CADTH Rapid Responses
- Cochrane Library (EBM Reviews)
- PubMed Health

Point of Care Tools
- UpToDate (PHSA)
- DynaMed
- Clinical Key

Databases
- PubMed MEDLINE
- Embase
- CINAHL
- PsycINFO
- Web of Science
PubMed

- PubMed.gov is the U.S. National Library of Medicine's free, web searchable database

- Includes Medline which covers more than 5,600 peer-reviewed, scholarly journals and indexes 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
PUBMED

**Search Box**

- PubMed search box

**Additional tools for finding help, tutorials, specific articles, & MeSH**

- Clinical Queries for quick clinical searches
We search the database fields (metadata), not the actual full text article.
KEYWORDS

• Searches author's words in title and abstract and find exact matches
SUBJECT HEADINGS

• Select terms added to article records to help us find them based on what the article is about.

• Efficiently and quickly connects you to the research about your topic.

• Articles are indexed to the most specific subject heading e.g. Infant, Premature.

• Controls for synonyms eg. author writes “TBI”
  MeSH= Brain injuries, traumatic/
  Brain Concussion/
  Brain Contusion/

Publication type, MeSH terms

<table>
<thead>
<tr>
<th>Publication type</th>
<th>MeSH terms</th>
</tr>
</thead>
</table>
Limit your search by article type, date, or population.  

Click here for more filters.  

Suggested articles with your terms in the title.  

How did PubMed interpret your search?
SEARCHING COMPREHENSIVELY

• Search Medline OVID as an alternative to searching PubMed

• Search other databases to broaden your search and find more unique content not covered by Medline
  
  • eg. CINAHL, EMBASE, PsycINFO, Web of Science, etc.

• Easy to build your search in Medline, assess your terms and make revisions, and then translate your search for use in other databases – saves time and is more reproducible!
KEYWORD SEARCHING TIPS & TRICKS

• Combine synonyms with OR
• Can use truncation*, “phrase searching,” and adjacency (seat adj5 wheelchair), and wildcards (p?ediatric)
• These strategies vary by database – see handout
• Can search within specific fields
  • eg. Title/Abstract (dropdown option in PubMed’s advanced search)
  • eg. ti,ab. (OVID Medline)
Enter your search term to find a relevant subject heading, try different synonyms and related terms

Make sure “Map Term to Subject Heading” is checked
Choose a term,
Note the ‘tree’ structure and other terms
Check the scope note
Click “Continue”
Example of adding keyword and subject heading searches together

Save your search and create alerts

Add limits for publication date, publication type, age, and others here
MEDLINE OVID – SAVE SEARCHES AND ARTICLES

Manage your saved searches, alerts, projects/folders

Create an account
QUESTIONS?

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