While we are waiting... Make sure you have your myNCBI account set up and complete the first task from the worksheet (customize highlighting and display)

Searching PubMed

Robin Parker, MLIS
W.K. Kellogg Health Sciences Library
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Via Zoom Online Meeting
POLL: PREVIOUS BOOTCAMP SESSIONS?

• Getting Started
• Researching for literature reviews
• Other session(s)
How familiar are you with PubMed?

POLL: PUBMED OR BUST?
Overview

- Introduction to Health Sciences information resources
- PubMed Demos
- PubMed Exercises
EBHC Cycle

Applies to finding information for research and practice

Formulate clinical/health services question

Search for the evidence

Evaluate the process

Incorporate best evidence into decision-making

Appraise the evidence

Patient preferences

Clinician experience

Applies to finding information for research and practice
The LD$_{50}$ of toxicity data is 2 kilograms per kilogram.
6S Model – Clinical vs Research

Start here for clinical questions!

Start here to support research!
6S Model - Research

- Systems
- Summaries
- Synopses of Syntheses
- Syntheses
- Synopses of studies
- Single Studies
Formulating Questions

- In Health Sciences, foreground questions are framed by a PICO, PICOT, PIOx.
- Other frameworks may be used for different types of questions or scenarios
Formulating Questions: PICO, etc.

**P** = POPULATION / PATIENT / PROBLEM

**I** = TREATMENT / INTERVENTION / EXPOSURE / PROGNOSTIC FACTOR / DIAGNOSTIC TEST...

**C** = COMPARISON, IF APPROPRIATE (PLACEBO / GOLD STANDARD / NO TX)

**O** = OUTCOMES (CLINICALLY RELEVANT, PATIENT-ORIENTED)

For more see: http://libcasts.library.dal.ca/kellogg/ebp/module%201_clinical%20question
Formulating a specific question, cont’d

General situation:
You have an elderly post-op general surgery patient at high risk of developing DVT. He has expressed his discomfort with wearing anti-embolitic stockings and tells you he wants proof that “those horrible socks” actually work. The current patient education handout doesn’t have any hard numbers supporting the prophylactic use of mechanical methods for DVT.

Scenario credit: Karla Van Kessel
You decide to find some evidence that might help future patients understand the benefit of anti-embolitic stockings/sequential compression devices versus no prophylaxis in preventing deep vein thrombosis.

What is the “I” here?
Not always best to search all or even most concepts

What are the most important pieces?

What will help you determine if the resulting evidence addresses your question?

What type of study (research design) will provide the most reliable information?
In elderly people with rheumatoid arthritis, is cannabis oil effective for pain reduction?
Are there guidelines for prescribing cannabis for pain?

- **P**
- **I**
- **O**
- Study type
Question 1: The MeSH description for Guideline [Publication Type] indicates that this MeSH heading is good for finding Clinical Practice Guidelines. True or False
Question 2: The MeSH term for Medically prescribed cannabis is a narrower term of the general term Cannabis [MeSH]
True or False
Demo – Search Builder and Advanced search
EXERCISE 1: POLL 3

After you have put together your search concepts into a search strategy, save it to your myNCBI account (Create Alert or Save in myNCBI from Advanced Search)
How many therapy results are retrieved from the narrow search for atopic dermatitis and probiotics?
PubMed comprises more than 28 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.

Topic-Specific Queries
How many results from a basic search for lymphoma AND sheep with the veterinary subset?
Demo – Exporting, exemplar papers, other features
True or False: Sending a citation to the clipboard is a good way to save something to read next week?
Questions?

Need to Review? Watch this short video on PubMed Searching

Contact:

Kellogg Health Sciences Library: Kellogg@dal.ca
See LibGuides for Health Sciences Librarians!

Robin Parker: robin.parker@dal.ca
Why do cold medications have warnings for pregnant women?

Cold medications and pregnancy
"In otherwise healthy adult patients, does the treatment of acute rhinosinusitis with antibiotics compared to no intervention result in faster resolution of symptoms?"

- **Population**: Adults with clinical diagnosis of sinusitis
- **Intervention**: Antibiotic therapy
- **Control**: Conservative RX
- **Outcome**: Faster resolution of symptoms
Example

- In high risk post-op patients at risk of developing DVT do compression stockings vs. no intervention reduce the incidence of DVT?