Physician in the Community Pathway

LITERATURE SEARCHING & MCW LIBRARIES RESOURCES
Questions about....

• MCW Libraries resources/services
• Library on Request
• Connecting to resources
Becoming a lifelong, self-directed learner

- Rate of scientific information is growing exponentially
- What you learn today may not be relevant in the future

After this session, you will be able to:

• Understand the literature search process
• Know what a MeSH term is
• Comprehend the difference between AND and OR in a search
• Identify at least two databases to search for information
• Have an awareness of citation managers
The Literature Search Process

1. Define your research question
2. Describe your topic using keywords & subject headings
3. Search for articles
4. Evaluate search results
5. Locate resources
1. Define your question – Gather background information

- **Demographic Information**
- **Site:.gov** search in Google
- Book chapters
  - ClinicalKey
  - Books at MCW Libraries
1. Define your question

Physical education programs
1. Define your question - the PICO Model

- Patient/population
- Intervention
- Comparison
- Outcome

Do physical education programs help to improve BMI in elementary school students?
2. Describe your topic using keywords & subject headings
Subject headings: #considerthehashtag
MeSH headings

• What is MeSH?
  – Controlled vocabulary used by PubMed/MEDLINE
  – Provides a consistent way to describe topics
    • Body Mass Index
  – MeSH terms are applied by subject specialists (people!) who scan each article
### Boolean operators

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<tr>
<th>Operator</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>AND</strong></td>
<td>Narrows your search, use with different topics</td>
</tr>
<tr>
<td><strong>OR</strong></td>
<td>Broadens your search, use between synonyms</td>
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<td>()</td>
<td>( ) narrows your search. Used to combine groups of terms and allows you to create a more complex search.</td>
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2. Describe your topic using keywords & subject headings

Do physical education programs help to improve BMI in elementary school students?

<table>
<thead>
<tr>
<th>Keywords</th>
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3. Search for articles

Search Terms

“Elementary school” OR (children AND school)
Physical education OR gym
BMI OR body mass index
3. Search for articles - PubMed

- Developed by the National Library of Medicine (NLM), PubMed is the search system for the MEDLINE database.
- PubMed covers medicine, nursing, dentistry, health services research, the basic sciences, and more.
- It has 25+ million citations from 5500+ journals.

(((“Elementary school” OR (children AND school))) AND (Physical education OR gym)) AND (BMI OR body mass index))
4. Evaluate your results

Impact of NFL PLAY 60 Programming on Elementary School Children's Body Mass Index and Aerobic Capacity: The NFL PLAY 60 FitnessGram Partnership Project.

Things to consider:
• Is my patient/population represented in the article?
• How current is the information?
• How was the data collected? Look at the methods section
• Have the same results been reached by other researchers?
5. Locate articles

- PubMed LinkOut
ClinicalKey – recommended resource

• Search **books** to find background information
• Search **articles** to find studies and research
• Search **guidelines, patient education, images** for more information.
Additional Resources

• **Physician in the Community LibGuide**
  – Find links to databases, journals, books, demographic information

• **ERIC**
  – Use this database to search for articles and other published information related to education.

• **CINAHL**
  – Search for literature from the nursing and allied health fields – including homecare health professionals, nutritionists and dieticians, speech pathologists, etc.
Citation Managers

- Organize citations and references
- Create bibliographies

Zotero  Mendeley  EndNote
Recap of the objectives:

- Understand the literature search process
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Questions?

Contact MCW Libraries

Todd Wehr Library
8701 Watertown Plank Rd.
Milwaukee, WI 53226
(414) 955-8302
Email
Request an appointment

Froedtert Library
(414) 805-4311
Email

Children’s Hospital of Wisconsin Medical Library
(414) 266-2419
Email

Chat with an MCW Librarian
Name

E-mail Address

Your Question
Start Chat