LAST SEMESTER

- Using the Library Website
  - Find > Article Databases
  - Find > Research Guides
  - Find > Find Journals

- APA citation

- Database search
  - What articles can you find that have been published in the last 5 years on anxiety after a stroke?
  - AND/OR
OBJECTIVES

• Searching as Strategic Exploration
  • Recognize the differences between PubMed’s MeSH vocabulary vs. keyword searching
  • Demonstrate an ability to use the MeSH database
  • Select useful MeSH terms when searching for articles
TOPICS

• Evidence Based Practice
• PubMed – Premiere medical database
• PubMed's MeSH - Controlled vocabulary
EVIDENCE-BASED PRACTICE/MEDICINE

EBP PYRAMID

Figure 1. Research Pyramid.

Note: Meta- = meta-analyses.
PICO (EVIDENCE-BASED PRACTICE/MEDICINE)

• **P** = Patient/Population
• **I** = Intervention
• **C** = Comparison/Control
• **O** = Outcome
• Interfaces or front end through which to search MEDLINE
  ▪ Over 30 million citations

• Can be accessed by anyone with internet access (Free)

• National Library of Medicine
PubMed Contains 3

MEDLINE 90%

- Biomedical publisher supplied citations
- In-process citations
- ePub ahead of print
- Some Books
- Other articles, & NCBI/NLM databases
MEDLINE

• The premier biomedical literature database
  • abstracts and some free articles

• Most from 1946 to present
PUBMED VS. MEDLINE

- PubMed = Free interface or front end
- MEDLINE = database of abstracts
MEDLINE Interfaces

MEDLINE

Web of Science

PubMed - free

Proquest
What you have access to when you graduate, no matter where you go.
PUBMED (MEDLINE)

• Database of abstracts
  ▪ Very limited full text
  ▪ Going through the Cowles Library websites increases what you have access to
    ▪ “Check for Full Text @ Drake”
BOOLEAN OPERATORS

AND & OR used to phrase questions when searching a database
AND

AND

• Narrows and means all terms must be present
• a smaller result set
• ie (autism AND “pet therapy”)
AND

Autism

“Pet Therapy”
BOOLEAN OPERATORS - OR

OR

• Expands either term present
• Gives you a larger result set
• For synonymous terms
OR

“Pet Therapy”

Animal Assisted Therapy

OR
MESH

- Controlled vocabulary or standard language used to describe key concepts in MEDLINE
- Defines content within an article
- Easier to search medical literature
**MESH MAIN BRANCHES**

• Lou Gehrig’s Disease
  ▪ Other names?
  ▪ European names?
  ▪ Another spelling?
  ▪ Older name from before?

PubMed
MESH
Subheadings - help narrow down results to be more specific and focused
ENTRY TERMS

• Entry Terms - When you search Lou Gehrig's Disease, you also search all these terms on the left hand side. They are synonyms.
MESH TREE

- An upside down tree - broader terms at the top and more specific "branches" at the bottom
Type in next search term after adding first term to the PubMed Search Builder
Add next term to the PubMed Search Builder and then select "Search PubMed"
KEYWORD AND MESH

• Best way to search is to use both
  • **MeSH** = a more specific search
  • **Keyword** = most recent results (items not yet fully indexed in MeSH are included); New concepts or ideas

• So (MeSH + Keyword= Best search)
• Real world research can take time
• Different terms and search strategies get you to different results
• Better strategies vs. one right way
• Save articles in MyNCBI – a free account

To save in MyNCBI

To save as a file onto your computer and then upload to EndNote or Refworks
• How does alcohol affect early pregnancy? Please use MeSH.
(Please find only case studies)
SEARCHING AS STRATEGIC EXPLORATION

Initial Concepts

Broader Terms

Narrower Terms

Related Terms
PUBMED EXERCISE 2

- [http://researchguides.drake.edu/ot](http://researchguides.drake.edu/ot)
- Group 1
- Group 2
- Group 3
- Group 4
SIMILAR ARTICLES — LOOK FOR OTHER TERMS TO USE
MESH TERMS — LOOK FOR OTHER TERMS TO USE
Another database to search is CINAHL – but we currently have a 4 user limit.
OTHER RESOURCES

https://researchguides.drake.edu/ot

- **PsychInfo** – behavioral and mental health database
- **ERIC** - access to research, literature and resources for educators
- **Cochrane Database of Systematic Reviews** – Well respected medical database that has rigorous systematic reviews
ASK A LIBRARIAN
OTHER CITATION MANAGERS

• https://researchguides.drake.edu/citation-managers
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1. Introduction to Evidence Based Practice. What is Evidence-Based Practice (EBP)?


4. جهاز كمبيوتر صورة. CilpShrine Website. http://ar.clipshrine.com/%D8%AC%D9%87%D8%A7%D8%B2-%D9%83%D9%85%D8%A8%D9%8A%D9%88%D8%AA%D8%B1-12852-medium.html . Accessed October 12, 2016.