GETTING ORGANIZED FOR RESEARCH

OSOT 547
2019-2020
LEARNING OBJECTIVES - LECTURE

Literature search in research projects

Tools and Techniques
Which databases
Finding papers for background and rationale
Survey design and tests and measures

Staying Organized
Saving searches
Storing and using citations
ACTIVITIES - WORKSHOP

• Analyse topic
  – PICO, Background, study design
• Identify suitable databases
• Design and conduct efficient and effective search strategies using:
  – Boolean operators, controlled vocabulary (subject headings/descriptors) or keywords (text words) and their tools, Reverse engineering, Forward and Backward Reference chaining, specialized subject headings
• Find papers
• Being and staying organized
  – Refworks
  – Saving searches and setting up alerts
LITERATURE IN THE RESEARCH FLOW

- ALREADY KNOWN
- SIMILAR

BACKGROUND

- METHODS
- SIMILAR

IDEAS

- LATEST
- CITATIONS

WRITING
Ideal Research Cycle

Research Cycle: Ideal

(1) Develop topic

(4) Apply information & Cite sources

(2) Locate resources

(3) Interpret & Evaluate information

Photo courtesy of University of Illinois, https://researchguides.uic.edu/intro
Reality

Research Cycle: Actual

- Develop topic
- Locate resources
- Apply & Cite sources
- Interpret & Evaluate information

Photo courtesy of University of Illinois, [https://researchguides.uic.edu/intro](https://researchguides.uic.edu/intro)
LITERATURE REVIEW PROCESS

- Clearly articulate your question
- Identify the type of research that will best answer your question
- Conduct your research
- Gather your research
- Read and annotate – develop system for tracking themes. This may be through your citation management software, an excel sheet or a word document (see next slide)
- Write your review!
**LITERATURE REVIEW PROCESS**

- One popular tool is the Matrix Method, a table with headers to group identified themes.

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LITERATURE REVIEWS

1. Plan
2. Identify
3. Evaluate
4. Synthesize
5. Explain
6. Summarize
PROCESS - RESOURCES

OSOT 547 COURSE GUIDE
- Slides, Links, Tutorials

TOOLS
- Databases & Refworks

PEOPLE
- Librarians and Library staff
WHERE TO SEARCH?

GOOGLE SCHOLAR

Keywords
Advanced search:
• Date, title, articles

SUBJECT KNOWLEDGE DATABASES

Keywords
Subject headings
Limits
Save searches
HOW TO BE ORGANIZED

Structured search

Search terms
Twins: Subject Heading and Keyword

Hold hands with OR
PUTTING IT ALL TOGETHER

MORE

A

B

AND

A

B
WORKSHOPS: Power search

Proximity
Parentheses – PEMDAS
Phrases
Particular
Permanent
Growing your results

Reference mining

Snowballing

- Web of Science
- Google Scholar
- Citing articles in Ovid
Finding scales

Scales

HaPI
MMY
Instruments (IN) drop down in CINAHL
Tests and Measures (TM) in PsycInfo
Dissertations/Theses

Surveys

Questionnaires
Managing your Project

Create team accounts in OVID and EBSCO
- Save searches
- Set up AUTO ALERTS

Use a bibliographic software program for
- Storing and organizing articles
- Doing in text citations
- Creating a bibliography

Refworks
- Access via Indexes and Databases
- Create a team account
- Save citations and organize in folders
- Process citations for publication
Where to publish?

List of OT journals
https://www.otdbase.org/journals.jsp

Which OT publications are a high impact journal?
See Journal Citation Reports
Getting started – how to search your topic

1. Use the worksheet to identify the separate elements for PICO

2. Do you need to learn more about the condition or the intervention?
   Use Background resources

3. Which databases will you use?
   See List of OT related databases
Getting Organized for Research WORKSHOP

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OBJECTIVES

Find papers to support proposal
- Build a structured and logical search strategy (review)
- Know which resources to use
- Find and assess tests and measures

Manage the research process
- Saving search history
- Setting up alerts
- Using Refworks
- Group management
TIPS

- Search databases separately
- Save search history and name with database name and date
- Use Refworks

Carl Sagan on the universe: “Absence of evidence is not evidence of absence.”

In searching:

No results is not evidence of zero results
Getting started - Resources

On **Course Guide for 547** at OSOT Research Guide look at:

- Handouts: list of OT Databases
- Sources for Background Information
- Database searching techniques – step by step guides and tutorials
POWER CONCEPTS

1. MeSH Sub-headings = Qualifiers
   e.g. /EC for economics or cost of disease

2. Keyword Specificity
   Phrase searching
   Proximity searching e.g. adj, near or within

3. Logic (mathematical)
   Use of parentheses and operators
PARTICULAR ASPECTS

SUBJECT QUALIFIERS FOCUS SEARCH

Available in Medline and CINAHL

Some useful qualifiers for rationale or background:

- Economics
- Epidemiology
- Statistics
- Evaluation
KEYWORD: PHRASE SEARCHING

OVID

Words next to each other are searched next to each other AS A PHRASE

Ebsco

To search words next to each other use “ “
E.g. “eating disorders”
PROXIMITY SEARCHING

Ovid use ADJ

E.g. joint adj3 protection

Ebsco use N (near) or W (within)

E.g. joint n3 protection = either direction
    Joint w3 protection = in same order
eating disorders OR women AND self-esteem OR media
Search is translated as:
Find everything on eating disorders as well as ANY references to the terms women and self-esteem, PLUS everything on media.

AND has precedence
Focused Search:
(eating disorders or women) and (self-esteem or media)

Controls the query to only find articles about eating disorders or women that reference self-esteem or media.

PEMDAS – Parentheses take precedence
POWER SYMBOLS

TRUNCATION
* For variant endings

WILDCARDS
# OR ? For replacing 1 or more letters

See Handout
PUTTING IT TOGETHER

Focused Search:

(eating disorder* or anorexia or bulimia) adj3 (wom#n or girl*)

Will find articles about different types of eating disorders among women, woman, girl or girls
What has already been done?

1. Find the subject heading for your P concept see Activity worksheet
2. What subheadings might you use?
3. What synonyms will you use as well?
4. All P search words will be combined with OR
5. Next work on your I concept ....
6. Use AND to combine P and I results
7. Limit results with Review
8. Use the subject headings from “good” papers (reverse engineering)
MORE SEARCHING

What OT specific research has been done? See [Searching OT Journals in CINAHL](#).

Build your search in another database:

- [OVID Medline](#)
- [PsycInfo](#)
- [Academic Search Complete](#)
GROWING YOUR RESULTS

Reference mining

Snowballing

- Web of Science
- Google Scholar
- Citing articles in Ovid
FINDING SCALES AND TESTS

Scales
- HaPI
- MMY
- Instruments (IN) drop down in CINAHL
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- Dissertations/Theses

Surveys
- Questionnaires

VIDEO
Subject headings for Validity and Reliability

Medline:
MeSH: Reproducibility of results

CINAHL
Cinahl Heading: Reliability and validity

PsycInfo
Thesaurus: Test reliability
Thesaurus: Test validity
Tests, scales and measures

• Find in
  – Health and Psychosocial Instruments (HaPI)
  – Mental Measurements Yearbook

• Has your test been validated?
  – Combine test name with subject heading MH Validity and Reliability using AND
GOOGLE SCHOLAR

Keywords
Advanced search:
Date, title, articles

REFWORKS

TOPICAL BIBLIOGRAPHICAL DATABASES

Keywords
Subject headings
Limits
Save searches

REFWORKS
Managing your Project

Create team accounts in OVID and EBSCO
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Use a bibliographic software program for
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Refworks
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Staying organized

• Make a team account in Ebsco, OVID etc.
• Save your search strategy
• Export results to Refworks (more info)
• Organize results in folders
• Create in text citations using Write n Cite
MORE HELP

Medline Tutorials at
http://guides.library.ubc.ca/Ovid

CINAHL Tutorials at
http://guides.library.ubc.ca/CINAHL

Practice your topic in Medline (OVID) and in CINAHL

Download WNC for Refworks

View Youtubes under Help in Refworks
TIPS 2

- Am I searching in the right place?
- Have I used too many ANDs?
- Can I find more synonyms?
- Am I getting too many mis-hits?
- Can I improve the search with proximity?
- Can I meet with Charlotte or other librarians?

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