

Fundamentals of Finding Information Literature Searching Clinic

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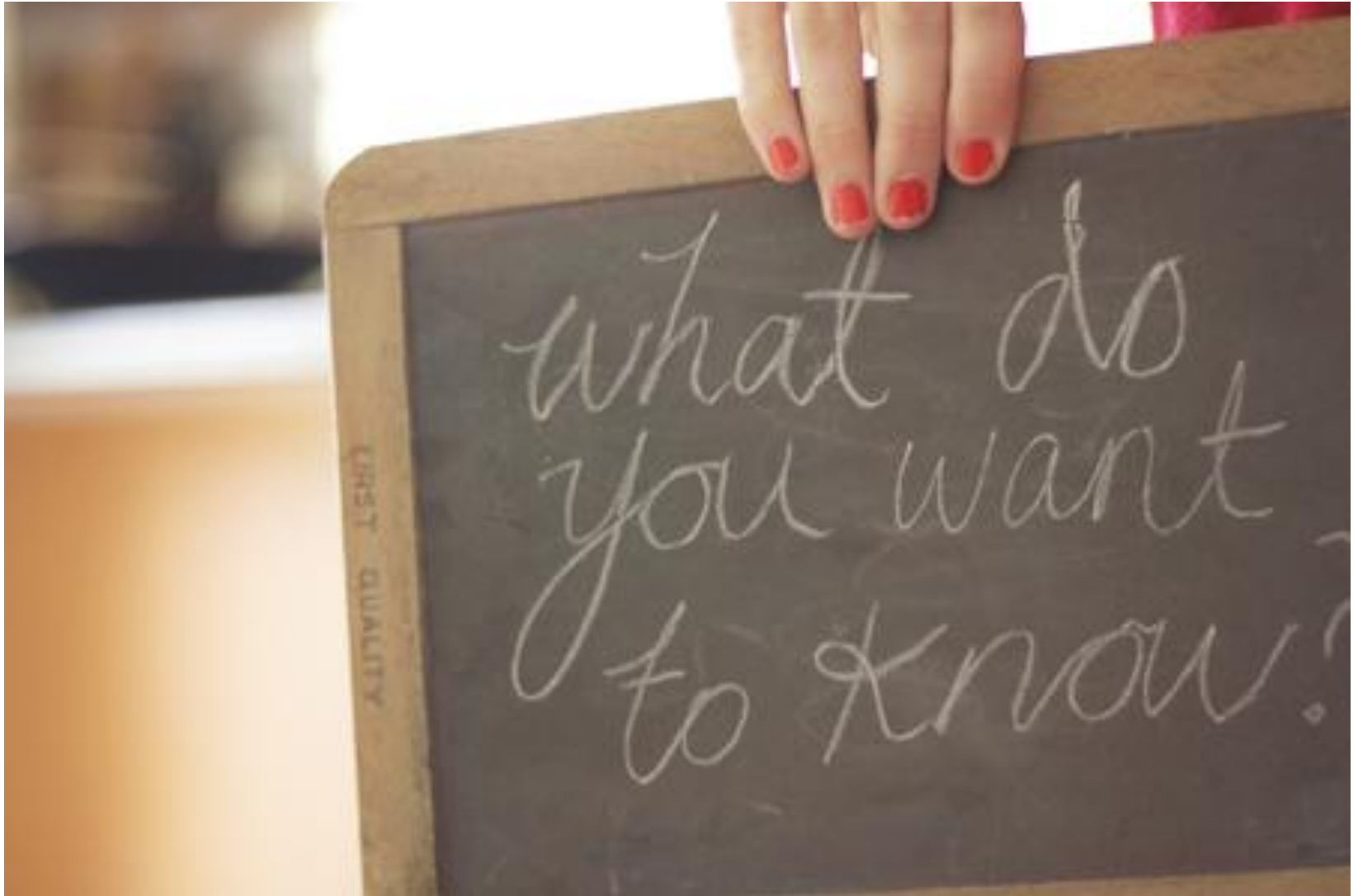


Session Outline

- The Reference Interview
 - Case study
 - Dos & don't's; Performance guidelines
- The Literature Search Process
 - Logic Model Approach
 - PICO
 - Search Strategy Tips & Tricks
- Searching Demonstration
- Hands-on Practice



Your Objectives





Case Study (Dowd, 1990)

- In support of information dissemination
- What-would-you-do-in-this-situation scenario
- “Providing information in an act of personal as well as professional commitment”
- We can never predict what questions we will be asked; thus we must always maintain our role as a “disseminator of information”



Reference Interview

Who Do We Serve? In What Medium?

- Serving Anyone and Everyone!
 - Health practitioner
 - Researcher
 - Patient
 - Student
 - Community
- Medium
 - In-person
 - E-mail
 - Chat
 - Phone
 - Webform



The Reference Interview

Questions to Ask Yourself as Searchers

- **Who** (will use the information found?)
- **What** (is the topic?)
- **When** (is the information needed?)
- **Where** (should the information come from, i.e. source)
- **Why** (is the information needed?)
- **How** (is the search to be conducted)



Reference Interview Performance Guidelines

- Approachability
- Interest
- Listening/Inquiring
- Searching
- Follow-up

<http://www.ala.org/rusa/resources/guidelines/guidelinesbehavioral>



The Reference Interview

Common Pitfalls to Avoid

- Misleading/vague request (“I need any information you can find on ____”)
- 10+% of client’s original information is wrong
- Caution with disclaimers
 - Providing medical information to patients
 - “Never promise that you can deliver the information in a single handout”
- Avoid the request paradox at all costs!



Literature Search Process

A Logic Model Approach

- Research Question
 - Manageable? Answerable?
- Brainstorming Keywords
 - Synonyms, acronyms, spelling variations
- Resources
 - Databases/grey literature appropriate to topic
- Search Strategy
- Support Beyond the Search
 - DDS/ILL; bibliographic management



PICOS

Another way to look at questions

P	Patient, Population or Problem
I	Intervention, Prognostic Factor, or Exposure
C	Comparison or Intervention (if any)
O	Outcome of Interest
(S)	Type of study that best answers your question (RCT, cohort, qualitative, etc.)



Search Strategy Tips

- Boolean Operators (AND, OR, NOT)
- Nesting () (keep related terms together [e.g. physical (fitness OR activity)])
- Phrase Searching “” (enclose exact phrase in quotation marks “”) [e.g. “physical fitness”; “physical activity”]
- Truncation/Wildcard* (returns records on all suffixes possible from the root word) [e.g. system*=system, systems, systematic, systematical]



Where to Search?

- For most questions, you can use MEDLINE
- Otherwise, it depends on the question....let's look at some examples



Procedure / Overview Question

- Cardiac output: Review of current practices in performing, interpreting, normal values, technique, limitations or factors affecting results
- Start here:
 - UpToDate
 - Stat!Ref
 - MDConsult



Management / Administration

- How managers can stay connected with staff on the floor (management by wandering)?
- Start here:
 - Business Source Complete
 - Google Scholar
 - CINAHL



Nursing (research)

- Healthy workplace policy and practice, nursing FTE related to patient outcomes and nursing work/life balance
- Start here:
 - CINAHL



OT / PT / Rehabilitation

- Recreation Therapy; adjustment, recover and transition after spinal cord injury or traumatic brain injury
- Start here:
 - CINAHL



Mental Health

- Research on reduction & elimination of seclusion room use in mental health facilities that provide care to acute clients
- Start here:
 - PsycINFO
 - CINAHL



CAME

- Pollen allergies, allergic rhinitis in adults, natural & herbal remedies
- Start here:
 - [NCCAM](#)
 - Natural Standard (if they can come to the KC)



???

- Self assessment tools related to cultural competency, cultural awareness, cultural sensitivity. Preferably from a healthcare perspective.
- Start here:
 - Google (grey literature)



?????

- Leadership styles of Arlene Dickinson (CEO Venture Communications) and President Abraham Lincoln by applying leadership theories
- Start here:
 - Is this for a school assignment?



Narrowing a Search

- Use more specific search terms
- Decrease # of synonyms
- Search keywords in title only (.ti)
- Eliminate or limit word truncation
- Add concepts to your search
- Apply limits
- FOCUS your search



Broadening a Search

- Search subject headings and keywords
- Include a variety of synonyms / spellings
- Drop the least important concepts
- Apply fewer / no limits to your search
- Use Google Scholar to find articles that have cited / been cited in a relevant article



Searching Demonstrations

- MEDLINE
- CINAHL
- PubMed



Demonstration Question

- Recreation Therapy; adjustment, recover and transition after spinal cord injury or traumatic brain injury



Practice Questions

1. Research on preceptorship for perioperative nursing
2. Does teaching youth (16–24) Dialectical Behavioural/Behavioral Therapy skills reduce anxiety and depression?



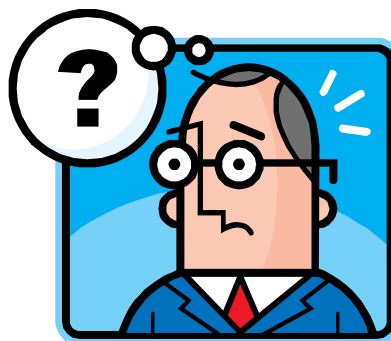
Most Useful Limits

- Languages (English on the main page, more languages under Additional)
- Human (especially for drug searches)
- Publication Year
- Age Groups
- Review Articles (if there are too many results and you just want a few articles that review the literature)
- Publication Type (allows limiting to clinical trials, etc.)



References

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BACKUP SLIDES



Exploding

Search Journals Books My Workspace

Free for **Intensive Care Units**

Combine selections with: OR Continue Full Tree

Scroll down for highlighted search term.

☐ Hospital Units

☒ Intensive Care Units

- ☐ Burn Units
- ☐ Coronary Care Units
- ☐ Intensive Care Units, Pediatric
- ☐ Recovery Room
- ☐ Respiratory Care Units

NTs of Intensive Care Units

Select Term(s)	Subject Heading	Hits	Explode	Focus	Scope Note
<input type="checkbox"/> Hospital Units		8468	<input type="checkbox"/>	<input type="checkbox"/>	i
<input checked="" type="checkbox"/> Intensive Care Units		32784	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Burn Units		1723	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Coronary Care Units		3928	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Intensive Care Units, Pediatric		4218	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Recovery Room		1011	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/> Respiratory Care Units		524	<input type="checkbox"/>	<input type="checkbox"/>	i

TIP: Look at the Full tree to see the NTs of the NTs

- Explode includes all the narrower terms (NT)



Full Tree

[-] <input checked="" type="checkbox"/>		Intensive Care Units	32784
	<input type="checkbox"/>	Burn Units	1723
	<input type="checkbox"/>	Coronary Care Units	3928
[-] <input type="checkbox"/>		Intensive Care Units, Pediatric	4218
	<input type="checkbox"/>	Intensive Care Units, Neonatal	8898
	<input type="checkbox"/>	Recovery Room	1011
	<input type="checkbox"/>	Respiratory Care Units	524
	<input type="checkbox"/>	Nurseries, Hospital	1469

NT of NT
only shows up in
full tree view

Exp intensive care units/ = intensive care units/ or burn units/
or coronary care units/ or intensive care units, pediatric/ or
intensive care units, neonatal/ or recovery room/ or respiratory
care units/



Focus

- Checking Focus limits to articles where that term is the **major topic**
- Unchecking Focus brings back more articles

Select Term(s)	Subject Heading	Hits	Explode	Focus	Scope Note
<input type="checkbox"/>	Hospital Units	8468	<input type="checkbox"/>	<input type="checkbox"/>	i
<input checked="" type="checkbox"/>	Intensive Care Units	32784	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/>	Burn Units	1723	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/>	Coronary Care Units	3928	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/>	Intensive Care Units, Pediatric	4218	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/>	Recovery Room	1011	<input type="checkbox"/>	<input type="checkbox"/>	i
<input type="checkbox"/>	Respiratory Care Units	524	<input type="checkbox"/>	<input type="checkbox"/>	i