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The Basic Rules of Doing a Good Search and Search Tips -Revised

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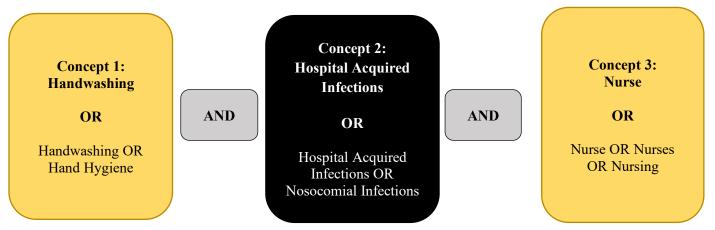
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Keep in Mind: Search comprehensiveness is determined by information need. (Patient Care v. School Assignment v. Personal Need)

1) Break Search into Concepts

- Easier to manipulate your search to get desired results.
- Start with two most important concepts from your question.
- Combine with Boolean operators AND, OR, NOT



2) Come up with Alternative Terms or Concepts for Your Topic

- Databases = Different Audiences
- Remember: Terms people use are based on background / perspective / education/ profession
- Sources for alternative terms:
 - o Index/Entry Terms of Subject Headings
 - \circ Terms from Related Articles
 - o Google Scholar

	Concept/ Term	Synonyms/ Related Concepts (Other Ways to Describe)
Concept/ Term #1	C	DR
Concept/ Term #2	C	PR
Concept/ Term #3	C	DR



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3) Use Subject Heading When Possible (Advanced Searching Skill)

- PubMed Medical Subject Headings (MeSH)
- Embase Emtree (Embase Subject Headings)
- CINAHL CINAHL Headings
- Useful Tools:
 - MeSH on Demand: https://www.nlm.nih.gov/mesh/MeSHonDemand.html
 - Yale MeSH Analyzer: http://mesh.med.yale.edu/

	Advantages	Disadvantages
Controlled Vocabulary (Subject Heading)	 May provide terms that can broaden or narrow search Accounts for most common synonyms Retrieve all items in database indexed under the topic 	 Recently coined terms may not have a subject term assigned Can be difficult to find if no list of subject terms is included in the database
Keyword	 Retrieve synonyms, jargon, new or distinctive words Identify relevant articles quickly to find appropriate controlled vocabulary 	 May retrieve irrelevant articles Your search must account for synonyms and alternative terms

4) Start Your Search Broad and Then Focus

- Use Limits/Filter of the Database (Publication/Study Types, Language, Gender/Sex, Etc.)
 - Start at the Top of the Evidence Pyramid and Work Down
- Add an Additional Concept or Term

Finding Too Many Articles?	Not Finding Enough?
Ways to Decrease/Focus Your Results	Ways to <i>Expand/ Increase</i> Your Results
 Utilize limits to English language, human subjects, review articles, time period searched (<i>last 5 years</i>), etc. Add an additional term or concept Do not explode Restrict subject heading to major focus or major heading Choose any relevant subheadings 	 Add additional synonyms Explode subject headings whenever possible Do not restrict subject headings to major focus/heading Do not choose subheadings Consider searching back in time, look at citations of relevant article found.

5) Always Search at Least Two Databases – Unique Articles in Each Database

Provide different ways to access existing literature on a topic and may find evidence in one database using terminology that would not be found in another database.

Pub	PubMed: Contains biomedical literature. Good place to search when the question is medical in nature or when you are not sure where to start.	
€ iEMBASE*	Embase: Contains biomedical and pharmacological literature. Good place to search when it comes to medical, pharmacology and toxicology topics or questions.	
	CINAHL (Cumulative Index of Nursing and Allied Health): Contains nursing and allied health literature. Good place to search when questions fall within the scope of nursing and allied health practice.	
AMERICAN PSYCHOLOGICAL ASSOCIATION PsycINFO	PsycInfo: Contains psychological literature. Good to search when the question addresses psychology or psychiatry topics.	
Cochrane Library	Cochrane Library: Resource that contains several different databases, one of those being the database of systematic reviews. Good place to search when searching for systematic reviews, economic evaluations and randomized controlled trials.	
Education Research Complete	Education Resource Information Center or Education Research Complete: Contain educational research. Good places to search when your question addresses educational topics.	
Business Source Complete Provest ABI/INFORM	Business Source Complete or ABI/Inform: Contain business, management and economic research. Good places to search when your search address management, economic or business topics.	
Academic Search Complete	Academic Search Complete: Contains publications covering social science, education, psychology, and other subjects. Contains academic journals, magazines, and publication formats. A good place to search for general topics on an assortment of subjects.	
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The Basic Rules of Doing a Good Search and Search Tips

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Advantages		Disadvantages
 Easy to Use: Interface similar to Google and can provide many relevant articles Find Related Articles: "Cited By" feature allows one to find a list of related articles in Google Scholar that have cited the identified article. 		• Not Able to Search Comprehensively: Resource lacks the ability to easily focus your search. Can only limit by date with no ability to limit by publication type, language, sex or other useful filters found in discipline specific databases.

- Current Articles Don't Always Appear First: The resource uses an algorithm that considers *relevancy*, *recency* and *citation counts* when returning search results. This results in the most recent articles not being displayed first. Can be addressed some by limiting by year.
 - **Does not Define Scholarly Sources:** Google does not release the parameters considered when a source is determined to be scholarly or not. Individual evaluation of sources found will be key.
- No Alert When Changes are Made: When changes are made to the resource there is no alert or information as to what resources or features have been added or taken away. This prevents one from being able to replicate searches over time.
- Falagas, M. E., Pitsouni, E. I., Malietzis, G. A., & Pappas, G. (2008). Comparison of PubMed, scopus, web of science, and google scholar: Strengths and weaknesses TheFASEB Journal : Official Publication of the Federation of American Societies for Experimental Biology, 22(2), 338-342. doi:10.1096/fj.07-9492LSF
 Vine & Rita. (2006). Google scholar Journal of the Medical Library Association, 94(1), 97–9.

Vine & Rita. (2006). Google scholar Journal of the Medical Library Association, 94(1), 97–9. Google Scholar – Wikipedia - <u>https://en.wikipedia.org/wiki/Google_Scholar</u> What is Google Scholar? · University of Minnesota Libraries - <u>https://www.lib.umn.edu/faq/5341</u>

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Citation Format: Can click on (55) under the title of

the article to get citations in MLA, APA, or Chicago

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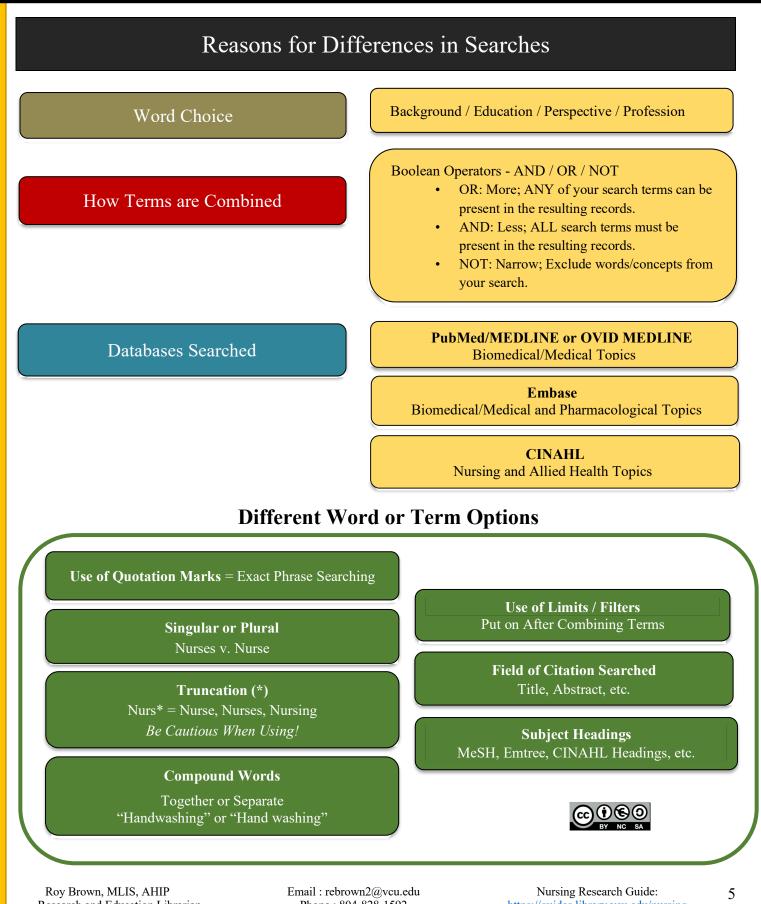
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