

Lesson Plan Supporting Information Literacy and Public Health Competencies

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Course Title	BCHS 2525: Introduction to Research Methods	
Department	Behavioral and Community Health Sciences	
University	University of Pittsburgh, Pittsburgh, PA	
Lesson Title	The Public Health Literature: Using it Effectively	
Student/Teacher Materials	Detail available in the QR code or at http://libguides.tulane.edu/APHA2012	
Course Objectives ACRL Standards MPH Competencies	<p>BCHS 2525 Objectives</p> <ul style="list-style-type: none"> Plan and perform a focused literature search using PubMed Plan and perform a focused literature search using other databases Explain the benefits of using a reference manager program to writing, academic work <p>ACRL Standard 2, Performance Indicator 1</p> <ul style="list-style-type: none"> student selects the most appropriate investigative methods or information retrieval systems for accessing the needed information <p>ACRL Standard 2, Performance Indicator 2</p> <ul style="list-style-type: none"> student constructs and implements effectively-designed search strategies. <p>ACRL Standard 2, Performance Indicator 5</p> <ul style="list-style-type: none"> student extracts, records, and manages the information and its sources. <p>ASPH MPH Competency: Communication and Informatics</p> <ul style="list-style-type: none"> . Use information technology to access, evaluate, and interpret public health data. 	
Introduction Agenda	1. Lecture/demo organizing, conducting literature search 2. Homework overview 3. Using EndNote for citation management 4. Send consultation appointment scheduling sheet around room	Time :05
Teaching Strategy 1: Steps in the literature search	5. Review 9 steps in lit search (Folb, Barbara. Steps in Planning and Implementing a Literature Search. 2012) 6. Demonstrate and have students parallel search on computer: a. Turning the research question into a search statement b. Search process organization, documentation using search grid c. Identifying, testing, documenting potential search terms d. Evaluating results; strategies for expanding, contracting, focusing the search e. Finding full text articles from the citation	Time :60
Teaching Strategy 2: Hands on search practice	7. Students use their current research question from previous lesson to practice search process independently. a. Instructor available for consultation 8. Class discussion of the search experience, review lecture content as needed 9. Review search assignment requirements, meeting schedule	Time :20
Teaching Strategy 3: EndNote: Adding records; citing references	10. Obtaining EndNote software under student licensing download 11. Importing citations 12. Editing records 13. Attaching full text articles 14. Citing articles in a Word document 15. Proofreading, editing reference list	Time :25
Closing	16. Collect consultation schedule. 17. Set expectations for homework effort, quality; answer questions about it.	Time :05

Example: Grid for search organization with synonyms section completed. -

Research Question: Does peer to peer education reduce risky sexual behavior in adolescents?

Concepts:	Peer-to-peer education	Risk reduction	Sexual behavior	Adolescents
Synonyms:	“Peer-led” “peer education” “peer-based” “peer educator” “peer delivered” “peer informants”	Risk reduction behavior/ Sexually transmitted diseases/prevention & control HIV Infections/prevention & control Risk-Taking/ Health Knowledge, Attitudes, Practice/ Health Behavior/	Safe sex/ Condoms, Female/utilization Unsafe Sex/ Sexual Behavior/ Sexual Partners/ Condoms/utilization Condoms/ Contraception/	Adolescent/

Assignment Description

The purpose of this assignment is for you to plan a search based on your current research question and to do the initial search in PubMed.

Extract your search concepts from the research question and add them to the Concepts row in the table. Do a search with those concepts, and from the titles, abstracts, and MeSH terms in the results, harvest synonyms for the initial concepts. Write those synonyms in the Synonyms row. Please refer to *Steps in Planning and Implementing a Literature Search* for an example of such a table. You may add or delete columns to the table as needed.

Test the synonyms to see if they improve the search results using the methods discussed in class and documented in the *Steps* document. *The testing of your original search terms and any synonyms you list in the 2nd row should be reflected in your PubMed Search History.*

When you are done with your search, copy and paste the search history from the [Advanced Search](#) page (follow link to see what page looks like if you are unsure) in PubMed to the space marked PubMed Search History. Be sure to do this within 8 hours of doing the search, or the history of the search will disappear from PubMed.

We will review your work in person after it is due, but if you have any questions while you are working on the assignment you can feel free to email me.

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Course Title	GCHB 7130: Research Methods in Social and Behavioral Sciences	
Department	Global Community Health and Behavioral Sciences	
University	Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana	
Lesson Title	Finding and retrieving journal literature	
Materials	Detail available in the QR code or at http://libguides.tulane.edu/APHA2012	
Course Objectives ACRL Standards MPH Competencies	<p>GCHB 7130 Objective</p> <ul style="list-style-type: none"> Find, organize, and critically evaluate data/information from both quantitative and qualitative research studies (interpreting data outcomes and evaluating literature). <p>ACRL Standard 2, Performance Indicator 5</p> <ul style="list-style-type: none"> Creates a system for organizing the information <p>ASPH MPH Competency: Communication and Informatics</p> <ul style="list-style-type: none"> The ability to collect, manage and organize data to produce information and meaning Gather, process, and present information to different audiences 	
Introduction Agenda	18. Create account in EBSCO and create a Folder: GCHB 7130 19. Create RefWorks account and create a GCHB 7130 folder 20. Import bibliographic information (BI) from CINAHL/EBSCOHost to RefWorks 21. Format a Refworks bibliography in Word	Time :05
Teaching Strategy 1: Demonstration RefWorks	<ul style="list-style-type: none"> Create folder: GCHB 7130 Import References Create bibliography 	Time :15
Teaching Strategy 2: Hands on search practice: Export references from CINAHL/EBSCOHost to RefWorks	22. Locate journal literature in which a scale/index/questionnaire was used to investigate a health behavior using a health behavior theory a. Sample search: 'health belief model' AND psychometrics AND behavior without selecting a field -->Charron-Prochownik, D., Wang, S., Sereika, S. M., Kim, Y., & Janz, N. K. (2006). A theory-based reproductive health and diabetes instrument. American Journal of Health Behavior, 30(2), 208-220 23. Direct export to RefWorks folder GCHB 7130	Time :15
Teaching Strategy 3: Hands on search practice Create a citation using RefWorks	24. In RefWorks: View Last Imported Folder and place BI in GCHB 7130 folder -->In GCHB 7130 folder, Select the citation and add it to 'My List' -->Select Create Bibliography --> Output Style: APA 25. In the Format a Bibliography from a List of References bar , -->File Type (i.e. Word for Windows) -->References to Include-->My List 26. Create Bibliography 27. Open the Bibliography in Word 28. Copy and paste citation into Scale/Behavior/Theory Table worksheet 29. As you import citations, complete the worksheet to indicate the theory name, scale/index/questionnaire used and behavior	Time :15
Closing	30. With each search, you are developing skills to collect, manage and organize data to produce information and meaning 31. For more information, use this guide: GCHB 7130: Research Methods in Social and Behavioral Sciences: a. http://libguides.tulane.edu/gchb7130_research_methods 32. Provide name and contact information 33. Ask them to complete assessment of instruction provided	Time :05

Scale/Index/Questionnaire	Social and Health Behavior Theories	Behavior	Citation	Database
Example				
Reproductive Health Attitudes and Behavior instrument, a variation of the Family Planning Behavior and Diabetes Study Questionnaire	Health Belief Model Theory of Reasoned Action Social Cognitive Theory	Preconception planning or family planning	Charron-Prochownik, D., Wang, S., Sereika, S. M., Kim, Y., & Janz, N. K. (2006). A theory-based reproductive health and diabetes instrument. <i>American Journal of Health Behavior</i> , 30(2), 208-220.	CINAHL/EBSCO
	Health Belief Model			
	Theory of Reasoned Action			
	Theory of Planned Behavior			
	Transtheoretical Model (stage theory)			
	Social Learning Theory			