Health Care Research Methods
HLAD 600

Elizabeth Bucciarelli
103-G Halle Library
ebucciare@emich.edu
734-487-2506
Support Services for Student Research

Academic Projects Center (APC)
- Rm. 116 Halle Library
- http://www.emich.edu/apc

University Writing Center (UWC)
- Rm. 115 Halle Library
- http://www.emich.edu/uwc
Tips for Successful Research

• Use a variety of resources (see next slide)

• Be open to learning more about research & tools

• Give yourself time to research properly

• Be persistent

• Ask for help from your professor, a librarian, family members, friends, etc.
APA Manual Sources

• *Publication Manual of the American Psychological Association, 6th ed.*, 2010
  
  – Reserve Reference at Halle Circulation Desk –
  BF 76.6 .P82
  
  – [https://owl.english.purdue.edu/owl/resource/560/01/](https://owl.english.purdue.edu/owl/resource/560/01/)
Keeping it Together - The Research Journal

• Record, record, record!
  – Ideas for topics; track your thinking processes; points of inspiration
  – Databases & web sites searched
  – Summary of search results
  – Track & evaluate successes & failures
  – Search strategies
  – Keywords, terms, subject headings
  – Conversations; People you want to contact

• Use it consistently

• Electronic bibliographic management tools, e.g., Zotero, RefWorks, EndNote, Mendeley
Developing a Research Topic

• Television & other electronic media
• Popular journals
• Trade magazines
• People – personal & professional
• Health admin association web pages
  – Hot topics
  – Letters & editorials
  – Trends
  – Law & legislation
• Professional newsletters
• Encyclopedias
• Choosing a Topic –
  – https://guides.emich.edu/c.php?g=611337&p=5034452
Levels of Research

1) Quick look-up AKA “googling it”

2) Consumer research

3) Subject specific, professional research
eBook Collections

• AccessMedicine

• R2 Digital Collection

• Stat!Ref
Types of Journals

Popular

– Slick and attractive in appearance
– Rarely cite sources
– Written by staff or free-lance writers; may or may not list the author
– Language level is simple
– Main purpose is to entertain or to convey general information
– Target audience is reading at ~7th grade level
  • e.g. People Weekly

Substantive

– May be attractive in format and have pictures and ads
– May cite sources, but usually not
– Articles may or may not be signed by the author
– Language level may be simple, but not necessarily
– Purpose is to provide information to a broad, educated audience
– Target audience is reading at ~12th grade level
  • e.g. Time, Newsweek
Types of Journals, cont.

Trade

- Purpose is to keep a specific industry current re: news, trends, industry changes, people
- Contains advertising focused on the industry
- Pictures, charts, and ads abound
- Articles are normally signed
- No official bibliography at the end of articles
- Trade jargon is used
- ~12th grade reading level
  - e.g., HealthCare Business News
Types of Journals, cont.

- Scholarly
  
  • Sober in tone
  • Pictures not usually used, but charts and graphs may be
  • Sources are always cited
  • Articles are signed by a scholar or researcher
  • Language is elevated and assumes familiarity with the jargon of the discipline
  • May be published by a professional organization or university
    
    e.g. Health Services Research, AJN, JAMA, AJOT
Refereed / Peer Reviewed Journals

- A journal which requires that, prior to publication, submitted articles be approved by a board in order to evaluate the quality, validity, reliability of the article.

- This review process is often done ‘blind’, that is, the reviewers do not know the name or academic affiliations of the authors, and the authors do not know who is reviewing their work.

- Check the journal title in *Ulrich’s Global Serials Directory*
  
Select Journals in Health Administration

- Health Affairs
- Health Care Management Review
- Health Care Manager
- Health Services Management Research
- Health Services Research
- Journal of Behavioral Health Services & Research
- Journal of Health and Human Services Administration
- Journal of Health Care Finance
- Journal of Health Care for the Poor and Underserved
- Journal of Healthcare Management
- Journal of Health Organization and Management
- Evidence-based Healthcare
TITLE: The impact of electronic medical records data sources on an adverse drug event quality measure.

AUTHOR(S): Kahn MG ; Ranade D

AUTHOR AFFILIATION: Department of Pediatrics, University of Colorado Denver, Aurora, Colorado 80045, USA. Michael.Kahn@ucdenver.edu

SOURCE: Journal of the American Medical Informatics Association, 2010 Mar 1; 17(2): 185-91 (20 ref)

ABSTRACT: OBJECTIVE: To examine the impact of billing and clinical data extracted from an electronic medical record system on the calculation of an adverse drug event...

MAJOR SUBJECTS: Adverse Drug Event ; Computerized Patient Record; Information Retrieval ; Quality Assurance -- Methods

MINOR SUBJECTS: Human ; Joint Commission ; United States ; Systems Analysis

LANGUAGE: English

PUBLICATION TYPE: Research; Journal-Article

SUBSET: Peer Reviewed

RESEARCH INSTRUMENT / QUESTIONAIRRE / SCALE:
Ways to Search a Database

Keyword / Free Text Searching
- Most common way to search
- Searches the selected words anywhere in the text of the record
- Searches most fields

Subject Heading Searching
- Subject headings are words that are used by the database to describe the content of an article or other information.
- Also known as descriptors, headings, or index terms, and they are usually available within each database under links such as "thesaurus," "headings," or "subjects."
- They are the ‘controlled vocabulary’ used to establish order and provide access points for articles & other information.
- e.g. sensory regulatory disorder, sensory regulatory dysfunction, sensory processing disorder, sensory integrative disorder, sensory integration disorder/dysfunction

SH=sensory integrative dysfunction
General Health Resources

- *Dissertations & Theses Full text*
- *Digital Commons @ EMU*
- *Gale Virtual Reference Library* – encyclopedias of medical, nursing, cancer, genetic disorders, alternative medicine, and allied health
- *Health & Wellness Resource Center*
- *Health Reference Center Academic*
- *STAT!Ref*
- *Web of Science & Google Scholar*
- *WorldCat* via FirstSearch - books

- Library Research Guides –
  - http://guides.emich.edu/hlad690
Health Administration Databases

Medical/Health Databases

• Cochrane Library
• Cumulative Index to Nursing and Allied Health Literature (CINAHL)
• Health Reference Center Academic
• PsycINFO
• PubMed/Medline

Business Databases

• Business – Scholarly & Trade
• Gale Business Collection
• Congress.gov
• Westlaw Campus Research
Cited Reference Searching

- Cited reference searching is a tool to track how a given work is cited by other works, journal articles, books, etc. ([https://library.upei.ca/citedrefsearch](https://library.upei.ca/citedrefsearch)

- Begin with a citation for an item you have read and then search for more recent publications that have cited your item.

- Demonstration video: [https://emich.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=ee556b44-86ee-4c14-a781-494c993ee095](https://emich.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=ee556b44-86ee-4c14-a781-494c993ee095)

- Databases for cited reference searching:
  - Google Scholar
  - Web of Science
Evaluating Information

• A³BCD
  • A - Authority
  • A - Accuracy
  • A - Audience
  • B - Bias/Objectivity
  • C - Currency
  • D - Design
    • Functionality
    • Format & appearance

• CRAAAP
  – C – Currency
  – R – Relevance
  – A – Authority
  – A – Accuracy
  – A – Audience
  – P - Purpose

https://guides.emich.edu/a3bcd

https://guides.emich.edu/craap

EBucciarelli 9/2017