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Objectives

1. Plan a literature search
2. Search databases
3. Scholarly journals
4. Access the A-to-Z Journal List
Where and How Can I Find Scholarly Journal Articles I Need?

Plan a Literature Search

• Clearly define your search topic
• Identify the concepts of your search topic
• Choose appropriate search terms
• Determine the appropriate databases for your search

Plan a Literature Search

• Conduct a keyword search or advanced search
• Review search results
• Repeat as needed
Plan a Literature Search

Research Topic:
Find articles about chewing gums that reduce dental caries

• Determine the concept(s)

Concept A: chewing gum
Concept B: dental caries

Boolean Operator: AND

chewing gum AND dental caries
Plan a Literature Search

**Boolean Operator: OR**

- **Contain any of two terms**

  `dental caries OR tooth decay`

Plan a Literature Search

**Boolean Operator: NOT**

- **Eliminate the records you don’t want**

  `children NOT adults`

Plan a Literature Search

- **Truncation**
  - Truncation symbols are used when searching for suffix variations. For example, therap* retrieves therapy, therapies, therapist and therapists.
- **Quotation marks**
  - Search an exact phrase “dental caries”
- **Search strings**
  - (dental caries OR dental decay) AND (child* NOT adult*) AND chewing gum
Searching Databases

- PubMed
- Cochrane Library
- CINAHL with Full Text
- Academic Search Complete

Evidence Pyramid

Relevance increases
- Meta Analysis
- Systematic Review
- Randomized Controlled Trial
- Cohort Studies
- Case Control Studies
- Case Series/Case Reports
- Animal Research

Amount of evidence decreases

PubMed

- **Scope**
  - Medicine, dentistry, nutrition, pharmacy, and more ...
- **Source**
  - Over 5246 biomedical journals and more than 19 million citations back to 1948
  - Over 70 countries and 40 languages
- **Type of Articles**
  - Clinical trials, reviews, guidelines, etc.
The Cochrane Library is a collection of evidence-based medicine and clinical practice.

- Consists of
  - Cochrane Database of Systematic Reviews (CDSR)
  - Database of Abstracts of Reviews of Effectiveness (DARE)
Cochrane Library

• Consists of
  – Cochrane Central Register of Control Trials (CENTRAL)
  – Cochrane Database of Methodology Reviews (CDMR)
  – Cochrane Methodology Register (CMR)
  – Health Technology Assessment Database (HTA)
  – NHS Economic Evaluation Database (NHS EED)

Cochrane Library

• It brings the above databases together in one place for users to look at the effectiveness of different health care treatments and interventions.

Systematic Reviews

• A systematic review summarizes the results of available carefully designed healthcare studies (randomized controlled trials) and provides the highest level of evidence on the effectiveness of healthcare interventions.
CINAHL with Full Text

- CINAHL (Cumulative Index to Nursing and Allied Health Literature) is the authoritative resource for nursing and allied health. It contains journals, book reviews, dissertations, proceedings, etc.
- It covers more than 2,737 journals and provides full text for more than 600 journals. Eight users have been purchased.
- It covers 45 dental journals.

Academic Search Complete

- It is a multi-disciplinary database, with more than 7,000 full-text periodicals, including over 6,000 peer-reviewed journals.
- It contains more than 11,600 publications including monographs, reports, conference proceedings, etc.
- It includes some dental journal titles.

Click on the Idaho Health Sciences Library link.
Type search terms in the Search box and start your search.

Scholarly and Non-Scholarly Journals

- Scholarly and non-scholarly journals
- Access the A-to-Z Journal List
- Submit an interlibrary loan request
Scholarly and Non-Scholarly Journals

- Scholarly
  - Length
    • Long and in-depth analysis of topics
  - Language/Audience
    • Full of technical jargon
    • Written for researchers, professors or students in the academic field
  - Format/Structure
    • Follows some specific structure: abstract, introduction, methodology, results, discussion, conclusion, references, etc.

- Non-scholarly
  - Length
    • Fairly short
  - Language/Audience
    • Written in non-technical language for non-expert readers
  - Format/Structure
    • Does not follow a specific format

- Authors
  • Scholarly
    • Expert in a particular field: a scholar or researcher with noted credentials
  • Non-scholarly
    • Reporter or any writer. Name and credentials are not indicated.

- Editors
  • Scholarly
    • Articles are reviewed by members of an editorial board who are experts in the field
  • Non-scholarly
    • Not reviewed by experts, but by magazine staff members

- References
  • Scholarly
    • Sources are cited with bibliographies documenting the research thoroughly
  • Non-scholarly
    • Not provided

- Advertising
  • Scholarly
    • Limited ads, special services or products in a specific field
  • Non-scholarly
    • Many general consumer ads

Source: http://www.isu.edu/library/help/journalmag.htm
This is the A-to-Z Journal list webpage. If you do not know the journal title, you may want to search any journal title that contains "dental" in the title. Enter "dental" in the Find box, and then click on the Search button.

This link indicates that you can access full text articles online, but embargoes one year.

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