

# Literature Searching for Systematic Reviews

Spring 2018

# GSU Library Resources

- Databases
- Journals
- Library Loans
- Library Guides
  - Systematic Reviews: <http://research.library.gsu.edu/systematicreview/nurs>
  - PubMed: <http://research.library.gsu.edu/pubmed>

Discover

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Discover articles, books, media, unique collections, and more...

Basic Search

Search

[Advanced Discover Search](#)

Go to Databases by Subject

- Select -

Find Databases

Databases by Name A-Z

1 A B C D E F G H I J K L M N O P R S T U V W Z

Live Assistance

Chat Help

Name (blank=anonymous)

Are you GSU student, faculty, or staff?

Please choose your campus.

Research help / Report a library issue

Start Chat

Or search for an answer

## LIBRARY BLOG



### Georgia Association of Educators records open; periodicals online

The records of the Georgia Association of Educators (1921-2015), part of the Southern Labor Archives, Special Collections and Archives, at Georgia State University Library, Atlanta Campus, are open for research. The collection, comprised of unique documents and photographs, provides an ... [Continue reading →](#)

## LIBRARY HOURS

Atlanta Campus

7am - 2am

CURVE

9am - 9pm

Special Collections &

# Don't Pay for Articles!

There are free options:

- “Find It @ GSU” button
- GIL Express - other GA libraries
- InterLibrary Loan – all libraries
- Ask a librarian for help



# Types of Literature

**Primary** – original work or firsthand account

ex. research paper reporting findings

**Secondary** – summarizes primary literature

ex. systematic review

**Tertiary** – synthesizes primary and secondary literature

ex. MEDLINE or disease summary from WebMD

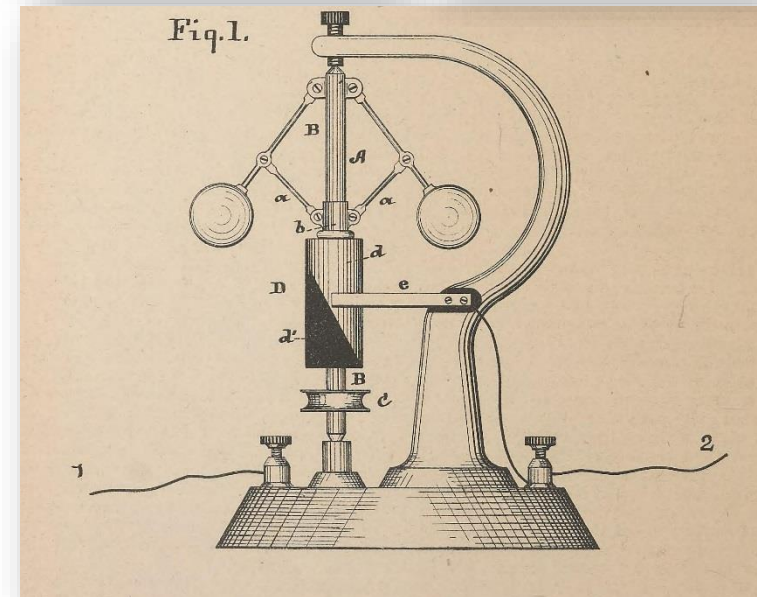
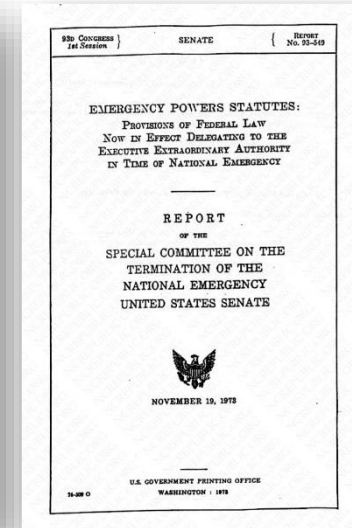
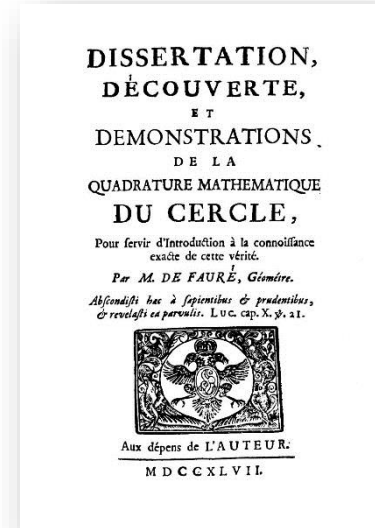
**Raw** (unfiltered) vs. **synthesized** (filtered) resources

Unfiltered – try PubMed and CINAHL

Filtered – try Cochrane

# Gray Literature

- Not considered published
- Can be more difficult to find
- Includes
  - Dissertations
  - Clinical trials
  - Conference proceedings
  - Reports
  - Patents
  - Much more



PubMed  Cochrane Embase\*

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WEB OF SCIENCE™

\*Embase is not available at GSU, but Emory has a subscription

# Designing a Search

- Read filtered evidence and reviews similar to your question
- Identify keywords and phrases
  - Consider synonyms and alternate spellings
- Review the thesaurus or controlled vocabulary of each database
  - Term organization will differ between databases
- Use a spreadsheet to keep track of your search strategies



# Comprehensive Searching

- Repeat searches in multiple databases
- Set up search alerts for new articles
- Use Boolean operators effectively
- Be aware of search limitations
  - What information is my search checking?



Create alert

PubMed



diabetes mellitus AND insulin resistance

Create RSS

Create alert

Advanced

# Tracking the Search

- Record your search keywords and phrases
- Make notes on your methods and databases
- Check if your search is reproducible

Download a literature search tracking spreadsheet:

<http://research.library.gsu.edu/c.php?g=115802&p=752506>

# Common Searching Pitfalls

- Alternate spellings - esophagus or oesophagus?
- Synonyms - factual = correct = accurate
- Homonyms - “tears”: fluid from your eyes or laceration?
- Abbreviations/slang/nicknames - Obamacare vs. Affordable Care Act

# Navigating Databases

1. Keywords and Phrases – **broad results**
2. Subject Headings or Thesaurus – **focused results**



**PubMed**  
Medical Subject  
Headings/MeSH



**CINAHL Subject  
Headings**

# Controlled Vocabulary

## **PubMed/MEDLINE – MeSH**

MeSH terms included in other databases (Cochrane, EMBASE, CINAHL)

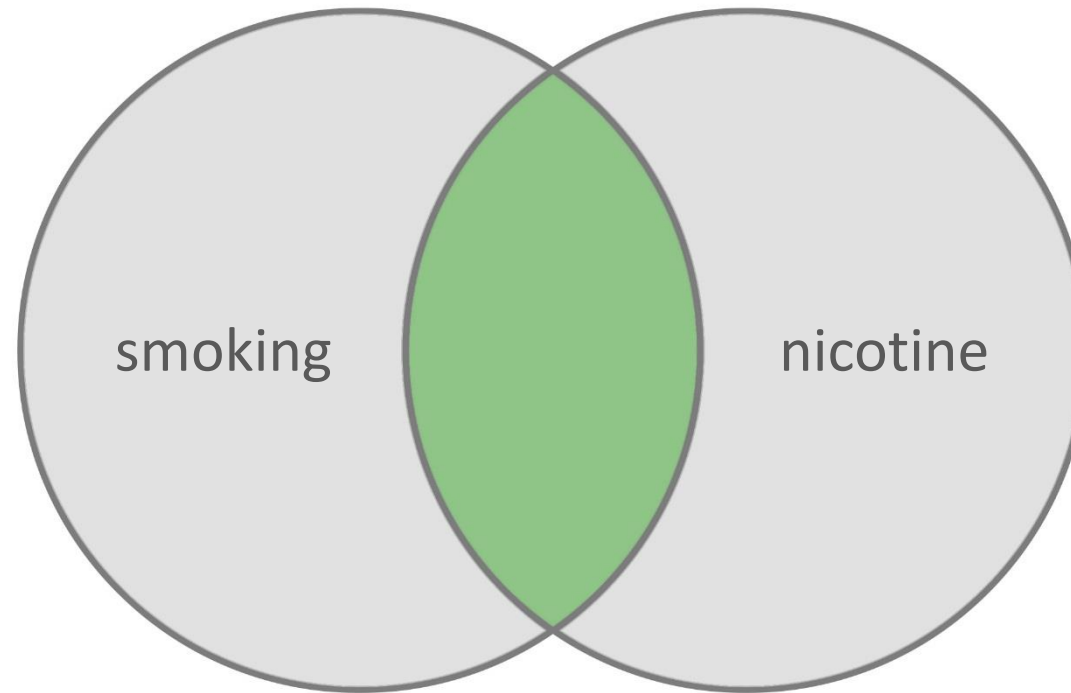
MeSh Browser: <https://meshb.nlm.nih.gov/search>

## **CINAHL – Subject Headings**

## **EMBASE – Emtree**

# Boolean Logic - AND

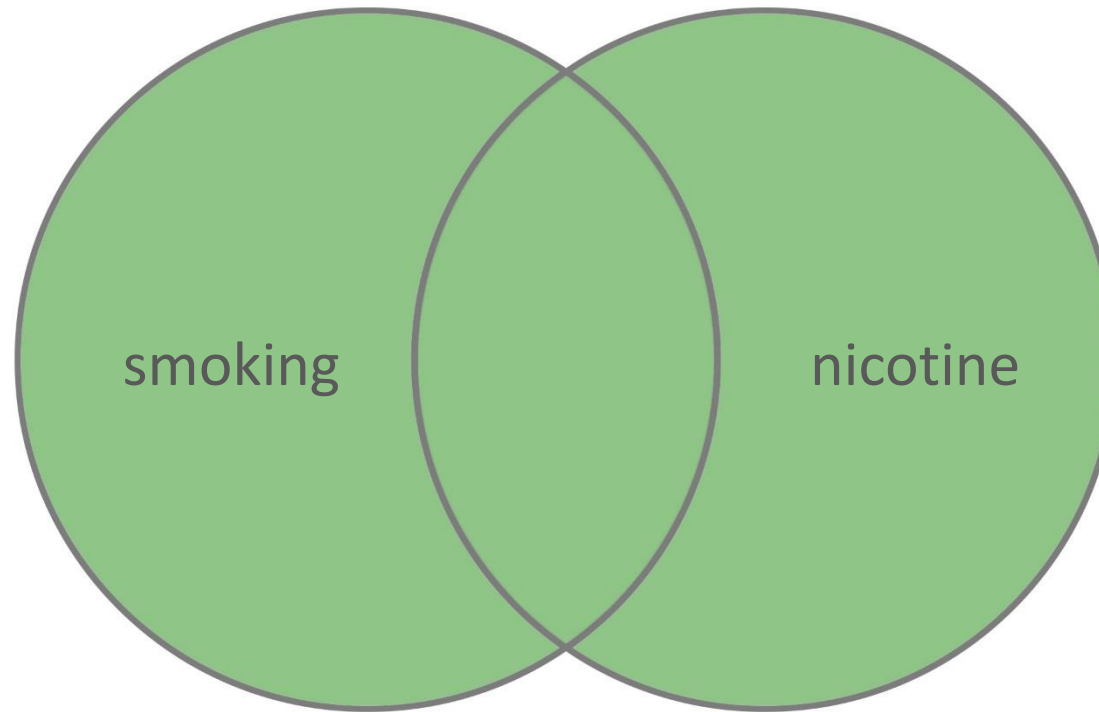
smoking **AND** nicotine



AND narrows the search to include both terms.  
Results that only include one of the terms are eliminated.

# Boolean Logic - OR

smoking **OR** nicotine

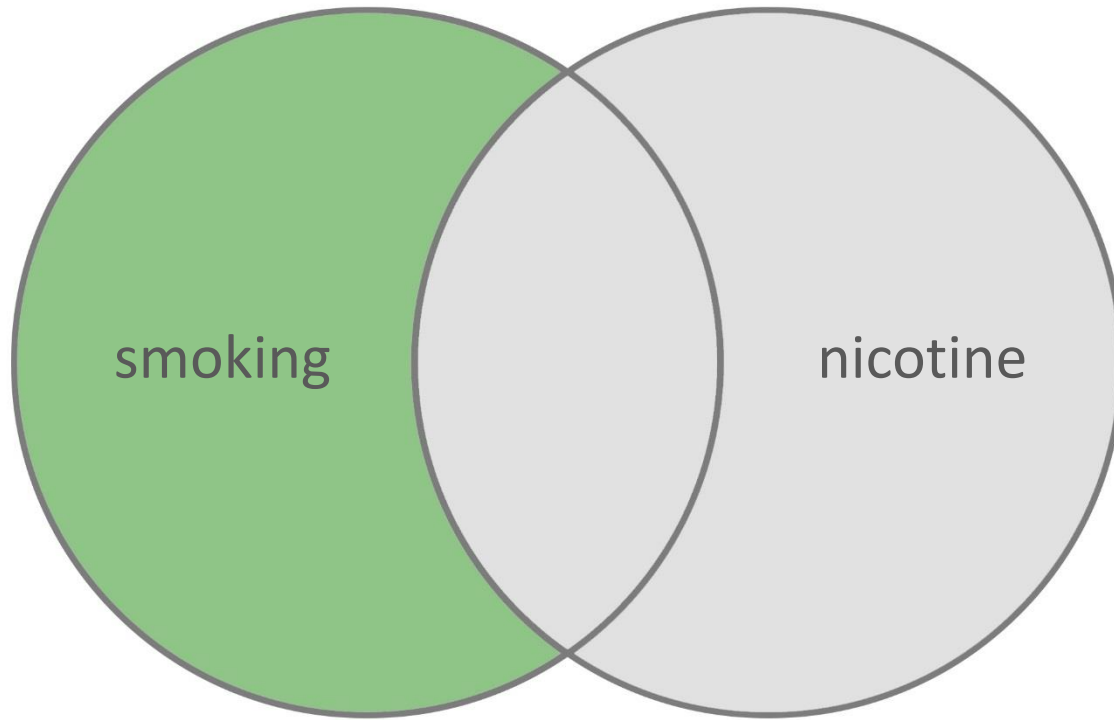


OR widens the search to include either term.

There are more results because you will accept one or more options.

# Boolean Logic - NOT

smoking **NOT** nicotine



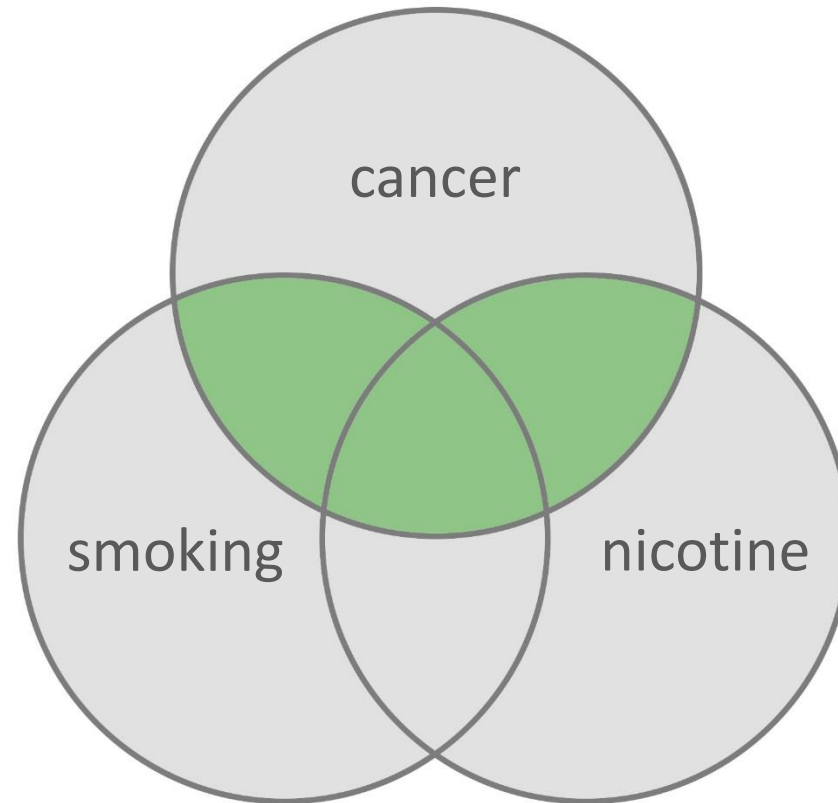
NOT excludes items from the search.

There are fewer results, because you want to eliminate an association.



# Boolean Logic - joining

(smoking **OR** nicotine) **AND** cancer



Parentheses determine new relationships between terms.

# Advanced Search Tips

**Quotation marks** – groups words together into an exact phrase

**“Persian cat”** searches the whole phrase instead of **Persian** and **cat**

**Truncation** – searches for related terms using a word root

**pharm\*** finds **pharmacy, pharmacology, pharmaceutical, etc.**

**Wild card** – allows for multiple spellings of a word

**sul\*ur** finds results for **sulphur** and **sulfur**

# Citation Chasing

Locating related articles with citation information

**Cited** – (***past***) the articles referenced by your article;  
found in bibliography and written before your article


**Citing** – (***future***) the articles that used your article as a reference;  
written after your article

The logo for Google Scholar, featuring the word "Google" in its multi-colored font followed by the word "Scholar" in a grey sans-serif font.

The logo for Web of Science, featuring the words "WEB OF SCIENCE" in an orange sans-serif font, with a small trademark symbol (TM) at the end.

# Citation Chasing – Web of Science

[Web of Science](#) [InCites](#) [Journal Citation Reports](#) [Essential Science Indicators](#) [EndNote](#) [Publons](#) [Sign In](#) [Help](#) [English](#)


**Web of Science** 

**Search** [My Tools](#) [Search History](#) [Marked List](#)


**Results: 5,927**  
(from All Databases)


**You searched for:** TOPIC: (zika virus) [...More](#)


**Refine Results**



**Filter results by:**

☐ Highly Cited in Field (264) 



☐ Hot Papers in Field (31) 

☐ Open Access (2,511) 

[Refine](#)


**Sort by:** [Date](#) [Times Cited](#) [Usage Count](#) [Relevance](#) [More](#)

[Page 1 of 593](#)


☐ Select Page   **5K**  [Add to Marked List](#)

☐ 1. **Zika Virus Outbreak on Yap Island, Federated States of Micronesia**  
By: Duffy, Mark R.; Chen, Tai-Ho; Hancock, W. Thane; et al.  
NEW ENGLAND JOURNAL OF MEDICINE Volume: 360 Issue: 24 Pages: 2536-2543 Published: JUN 11 2009  
[FIND IT @ GSU](#) [View Abstract](#)

☐ 2. **ZIKA VIRUS .1. ISOLATIONS AND SEROLOGICAL SPECIFICITY**  
By: DICK, GWA; KITCHEN, SF; HADDOW, AJ  
TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE Volume: 46 Issue: 5  
Pages: 509-520 Published: 1952  
[FIND IT @ GSU](#)


[Create Citation Report](#)  
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**Times Cited: 926**  
(from All Databases)  
 **Highly Cited Paper**  
[Usage Count](#)  
**Times Cited: 729**  
(from All Databases)  
[Usage Count](#)

# Citation Chasing – Google Scholar



diabetes mellitus



 Articles About 2,120,000 results (0.05 sec)

Any time

Since 2018

Since 2017

Since 2014

Custom range...

Sort by relevance

Sort by date

☒ include patents


☒ include citations

☒ Create alert

Definition, diagnosis and classification of **diabetes mellitus** and its complications. Part 1: diagnosis and classification of **diabetes mellitus**. Provisional report of a WHO ...

KGMM Alberti, [PZ Zimmet](#) - [Diabetic medicine](#), 1998 - Wiley Online Library


Abstract The classification of **diabetes mellitus** and the tests used for its diagnosis were brought into order by the National **Diabetes** Data Group of the USA and the second World Health Organization Expert Committee on **Diabetes Mellitus** in 1979 and 1980. Apart from

☆  Cited by 12640 [Related articles](#) [All 13 versions](#) [Web of Science: 6837](#)

[HTML] [Diagnosis and classification of \*\*diabetes mellitus\*\*](#)

American **Diabetes** Association - [Diabetes care](#), 2010 - [ncbi.nlm.nih.gov](#)



**MELLITUS**—**Diabetes** is a group of metabolic diseases characterized by hyperglycemia resulting from defects in insulin secretion, insulin action, or both. The chronic hyperglycemia of **diabetes** is associated with long-term damage, dysfunction, and failure of differentorgans,

☆  Cited by 13658 [Related articles](#) [All 87 versions](#) [Web of Science: 171](#) 

Classification and diagnosis of **diabetes mellitus** and other categories of glucose intolerance

National **Diabetes** Data Group - [Diabetes](#), 1979 - [Am Diabetes Assoc](#)

A classification of **diabetes** and other categories of glucose intolerance, based on contemporary knowledge of this heterogeneous syndrome, was developed by an international workgroup sponsored by the National **Diabetes** Data Group of the NIH. This

☆  Cited by 6554 [Related articles](#) [All 6 versions](#) [Web of Science: 2081](#) 

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[\[HTML\] nih.gov](#)  
Find It @ GSU

# Content Organization

Citation management software options

**EndNote** - <http://research.library.gsu.edu/endnote>

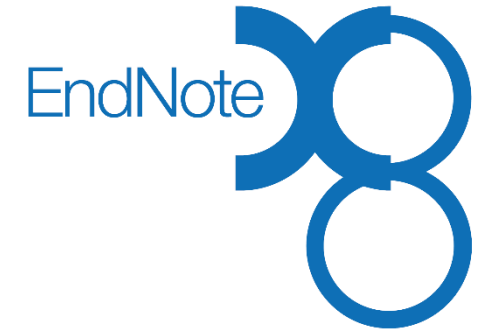
Librarian specialist - Joel Glogowski

**Zotero** - <http://research.library.gsu.edu/zotero>

Librarian specialist – Jason Puckett

**Mendeley** - <http://research.library.gsu.edu/mendeley>

Librarian specialist – Ida Martinez



**zotero**



# APA Style

Purdue OWL APA Guide

<https://owl.english.purdue.edu/owl/section/2/10/>

GSU Library Citation Guide

<http://research.library.gsu.edu/citationstyles>

APA Manual available on 2 hour reserve at Library North 1 desk



# Follow-up Help

Email or call for assistance

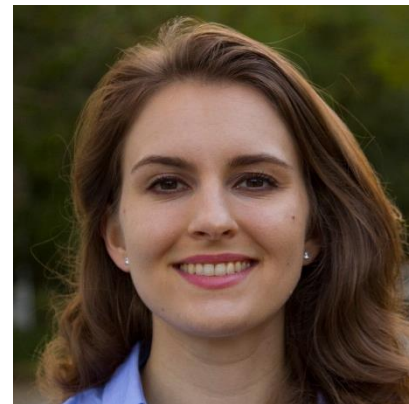
Set up an appointment for a longer session

## Librarian offices

Library South, 5<sup>th</sup> floor, suite 542



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