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## Searching Using Google Scholar and PubMed

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# Searching using Google Scholar

<https://scholar.google.com/>

# What is Google scholar?

- Free way to search the literature.
- Simplicity of a Google search.
- Compared with PubMed, the database is a lot larger and includes:
  - Articles
  - Papers
  - Abstracts
  - Theses
  - Books
  - Court opinions
  - Patents

Google Scholar

Articles  Case law

# Google Scholar

- Like regular Google, the most relevant results for the searched keywords are listed first (although can sort by date).
- “Related articles” allows searching of articles closely related to the articles in the search results.
- Advanced search

# What is in the literature about Cryptococcus in persons with AIDS in Liberia?

Google Scholar

Cryptococcus AIDS Liberia



Articles  Case law



## Any time

[Since 2019](#)[Since 2018](#)[Since 2015](#)[Custom range...](#)

## Sort by relevance

[Sort by date](#) include patents include citations Create alert[High-dose fluconazole consolidation therapy for \*\*cryptococcal\*\* meningitis in Sub-Saharan Africa: much to gain, little to lose](#)[RA Murphy, TJ Hatlen, MYS Moosa - AIDS research and human ...](#), 2018 - [liebertpub.com](#)

... therapy—one-third to one-half of patients in resource-limited African settings still have viable

**Cryptococcus** neoformans in ... E, Ann Leal M, Haubrich R, et al.: Fluconazole alone or combined with flucytosine for the treatment of **AIDS-associated cryptococcal** meningitis ...[☆](#) [🔗](#) [Cited by 1](#) [Related articles](#) [All 3 versions](#) [🔗](#)[\[PDF\] PP-156 \*\*AIDS\*\* treatment on HAART in Tianjin](#)[L Sheng, WK Cao, R Wang, ML Zhang - International Journal of ...](#), 2009 - [core.ac.uk](#)... TB (57.14%) was commonest associated illnesses followed by **cryptococcal** meningitis (14.28%) and ... study method is a community-based randomized controlled trial (RCT) in Monrovia, **Liberia** ... were randomly assigned to either a behavioral-driven HIV/**AIDS** prevention program ...[☆](#) [🔗](#) [All 5 versions](#) [🔗](#)[International Travel Restrictions and the \*\*AIDS\*\* Epidemic](#)[LJ Nelson - American journal of international law](#), 1987 - [cambridge.org](#)... Nonetheless, Saudi Arabia and **Liberia** now require such certificates re- garding **AIDS** from US residents seeking to enter those countries.<sup>8</sup> In spite of ... The presence of either Kaposi's sarcoma or **cryptococcal** meningitis is sufficient in itself for a diagnosis of **AIDS**.<sup>16</sup> In ...[☆](#) [🔗](#) [Cited by 31](#) [Related articles](#) [All 6 versions](#)



Any time

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### High-dose fluconazole consolidation therapy for **cryptococcal** meningitis in Sub-Saharan Africa: much to gain, little to lose

RA Murphy, TJ Hatlen, MYS Moosa - *AIDS research and human ...*, 2018 - [liebertpub.com](#)

... therapy—one-third to one-half of patients in resource-limited African settings still have viable **Cryptococcus** neoformans in ... E, Ann Leal M, Haubrich R, et al.: Fluconazole alone or combined with flucytosine for the treatment of **AIDS-associated cryptococcal** meningitis ...

☆ Cited by 1 Related articles All 3 versions

### [PDF] PP-156 **AIDS** treatment on HAART in Tianjin

L Sheng, WK Cao, R Wang, ML Zhang - *International Journal of ...*, 2009 - [core.ac.uk](#)

... TB (57.14%) was commonest associated illnesses followed by **cryptococcal** meningitis (14.28%) and ... study method is a community-based randomized controlled trial (RCT) in Monrovia, **Liberia** ... were randomly assigned to either a behavioral-driven HIV/**AIDS** prevention program ...

☆ All 5 versions

### International Travel Restrictions and the **AIDS** Epidemic

LJ Nelson - *American journal of international law*, 1987 - [cambridge.org](#)

... Nonetheless, Saudi Arabia and **Liberia** now require such certificates re- garding **AIDS** from US residents seeking to enter those countries.<sup>8</sup> In spite of ... The presence of either Kaposi's sarcoma or **cryptococcal** meningitis is sufficient in itself for a diagnosis of **AIDS**.<sup>16</sup> In ...

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International Travel Restrictio

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## Advanced search



### Find articles

with **all** of the words

with the **exact phrase**

with **at least one** of the words

**without** the words

where my words occur

anywhere in the article

in the title of the article

Return articles **authored by**

e.g., "PJ Hayes" or McCarthy

Return articles **published in**

e.g., *J Biol Chem* or *Nature*

Return articles **dated between**

 — 

e.g., 1996

# Literature search using PubMed

As a specific question – too broad a query (e.g., diabetes) will result way too many articles (>670,000!)

Can apply **limits** – e.g., only Review articles, publication dates, human studies only (on left side of PubMed screen)

The screenshot shows the PubMed website interface. The search bar contains the text "diabetes mellitus". The left sidebar, which is highlighted with a red box, contains the following filter categories:

- Article types
  - Clinical Trial
  - Review
  - Customize ...
- Text availability
  - Abstract
  - Free full text
  - Full text
- Publication dates
  - 5 years
  - 10 years
  - Custom range...
- Species
  - Humans
  - Other Animals

Below the sidebar, the main content area shows search results for "diabetes mellitus". The top section is titled "Best matches for diabetes mellitus:" and lists several articles, including "Treatment and Diagnosis of Diabetes Mellitus and Its Complication: Advanced Approaches." and "Canine Diabetes Mellitus Associated Ocular Disease." A button labeled "Switch to our new best match sort order" is visible. Below this, the "Search results" section shows "Items: 1 to 20 of 472459". The first result is "Should women with gestational diabetes be screened at delivery hospitalization for type-2 diabetes?".

# Boolean logic

Add terms or combine search terms with connector words: **AND**, **OR**, or **NOT** using **UPPER CASE (CAPITAL)** letters (called Boolean logic)

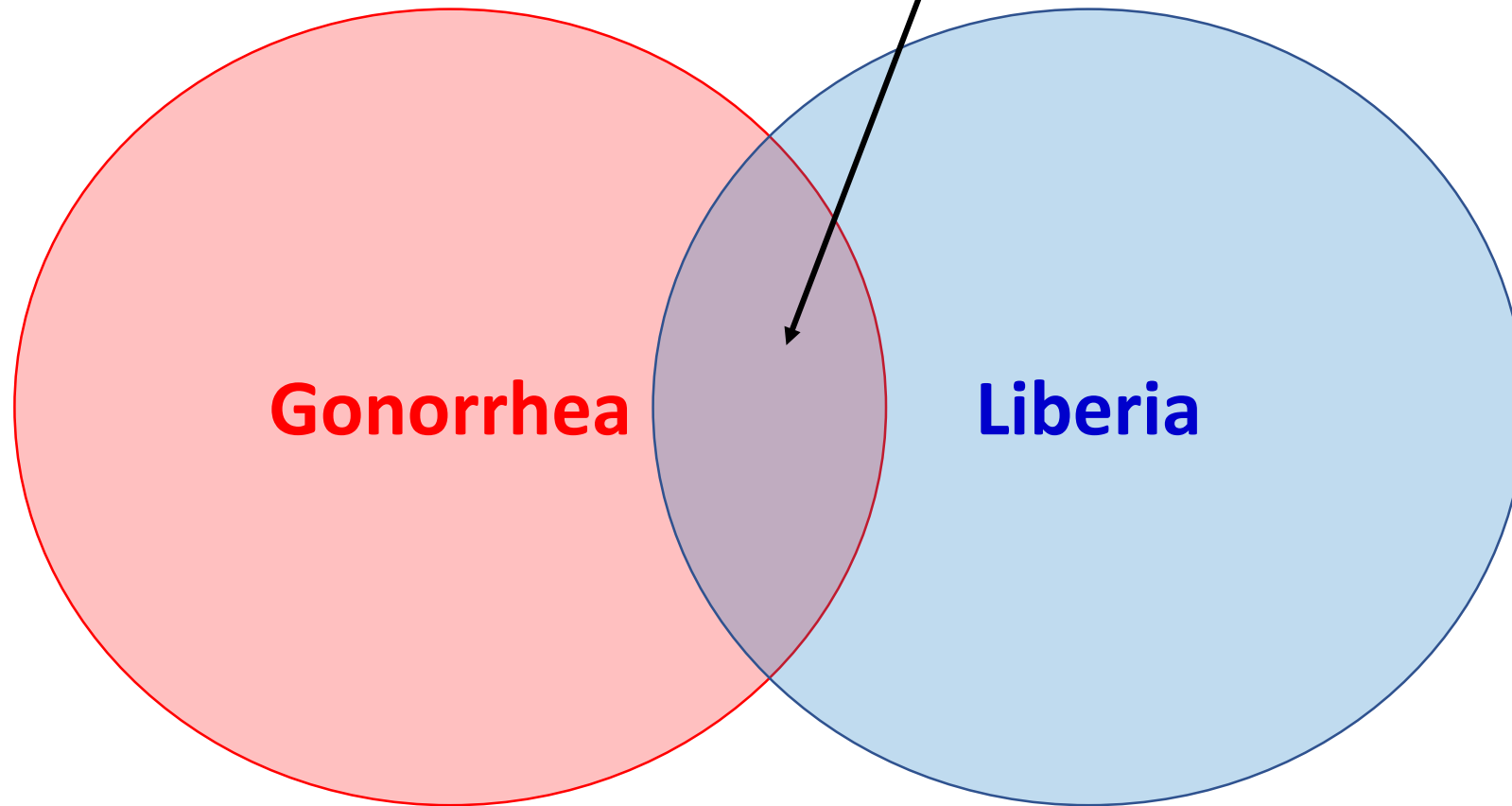
— **AND** between terms returns only records that contain all of the search terms

— **OR** between terms returns all records that contain any of the search terms

— **NOT** between search terms returns only records that contain the first term and not the second

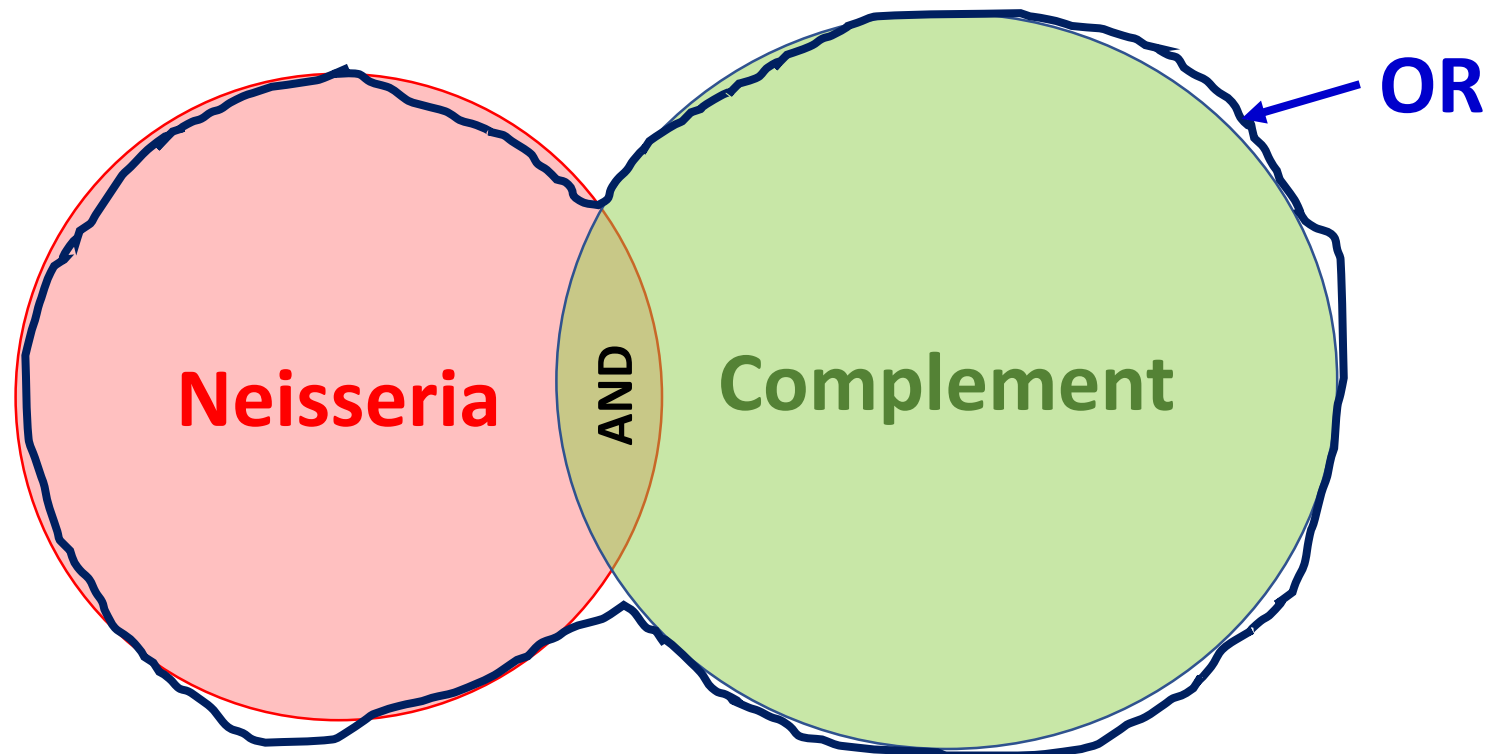
**'AND'**

Only articles with both words



I'm interested in all new articles that have the words  
'Neisseria' or 'complement' in the title or abstract

Therefore, a search that will include either of the terms  
would be 'Neisseria **OR** complement'



However, over the years several journals with the word 'Complement (as part of 'Complementary Medicine') became indexed on Pubmed.. I needed to exclude those

Use of the word 'NOT' to exclude terms that you don't want

Quotation marks – if you want the phrase exactly as appears in Pubmed

Name of journal exactly as appears on Pubmed

Neisseria **OR** complement **NOT** (“Complement Ther Clin Pract” **OR** “J Altern Complement Med” **OR** “BMC Complement Altern Med” **OR** “Evid Based Complement Alternat Med” **OR** “J Complement Integr Med” **OR** “Afr J Tradit Complement Altern Med” **OR** “Complement Ther Med” **OR** “J Tradit Complement Med” **OR** “Complement Med Res”)

Parenthesis – to lump all these terms/journals together

Truncate terms. Place an asterisk (\*) at the end of a string of characters to search for all terms that begin with that string.

PubMed searches the first 600 variations of a truncated term.

— Example: mimic\* will find all terms that begin with the letters m-i-m-i-c-; e.g.,  
mimic, mimics, mimicking, mimicry



Use a wildcard. Use a “?” to replace a letter or denote an extra letter where spelling or word variation is possible.

— Example: behavio?r will find behaviur or behavior



vs



## **Website for PubMed tutorial**

<https://www.nlm.nih.gov/bsd/disted/pubmedtutorial/cover.html>

## **PubMed Help site**

<https://www.ncbi.nlm.nih.gov/books/NBK3827/>