# LIBRARY TIPS #8 INFORMATION SEARCH

**SEP 2025** 

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## **Steps**

- Understand what information you need
  - Clarify your research question and identify what evidence is required

(definition, theory, stats, reports, case studies, ...)

- Plan where to search
  - o Online library catalogue
  - Databases
  - Other sources

Publ Med Scopus\*

**Clinical Trial Registries** 

Preprints platforms PrePrints.org, EuropePMC, MedRxiv, . ISRCTN, EU Clinical Register, CTIS, OSF, ... **Grey literature** research reports, theses, conference proceedings, white papers, ...

## **Build a good search strategy**

#### 3.1. Understand the topic

- Structure the study topic.
- Break broad questions into key concepts.

se the **PICO framework**:

example, use the FICO Hamework.			
Р	I I	С	0
Patient Population Problem	Intervention Prognostic factor Exposure	Comparison	Outcome

#### 3.2. Identify keywords

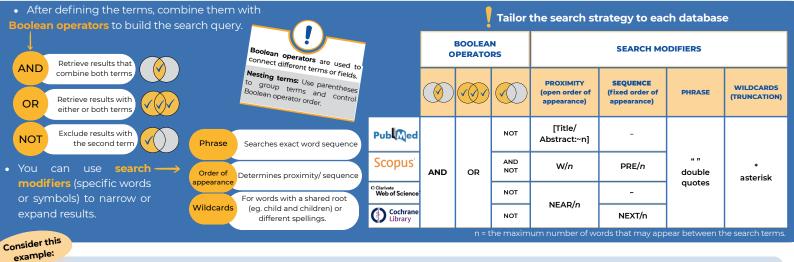
- Choose the search terms that best represent each aspect of the PICO framework
- Check the corresponding MeSH terms (only for Pubmed and Cochrane search).
- Search for synonyms or related terms for each concept to increase coverage.



**Medical Subject Headings** is the National Library of Medicine (NLM) controlled vocabulary thesaurus used for indexing articles for PubMed and Cochrane.

E.g.: cancer (natural language) > neoplasms (MeSH term)

#### 3.3. Combine keywords & build the search string



#### MeSH Term Synomym (cancer\* OR neoplasm[MeSH Terms] OR malignanc\*) cancer OR neoplams OR malignancy AND AND ("music therap\*" OR music[MeSH Terms] OR "audio therap\*") music therapy OR music OR audio therapy AND AND ("meditation" OR mindfulness[MeSH Terms] OR "relaxation technique\*") meditation OR mindfulness relaxation technique AND pain relief pain reduction OR analgesia OR AND ("pain reduction\*" OR analgesia[MeSH Terms] OR "pain relief"[Title/abstract:~3])

### 3.4. Use the database filters to refine results

- Search in **specific fields** (title, abstract, keywords, full-text...) allows retrieval of more precise results.
- Apply filters according to the scope of the investigation to retrieve more relevant results.



#### Modify the search strategy as needed:

- Few results? → broaden terms, try synonyms, new databases, change the search field...
- Many irrelevant results? → narrow terms, add limits, add more terms...





Run the search, save it & export results to a citation/ reference manager zotero 🔼





