



Systematic Literature Reviews



A systematic literature review addresses a clinical question regarding a particular intervention or treatment. This study analyzes and critically summarizes the available research evidence for this intervention to answer this question. Medical science considers systematic literature reviews the most reliable method of gathering evidence. Meta-analyses are systematic literature reviews that include statistical analyses.

Specific questions and objectives

Select research questions carefully to avoid broad or narrow topics.

*Medical interventions and treatments commonly employ the **PICO** method. It facilitates the development of search strategies that focus on the patient, population, or problem (P); the intervention (I); the comparison, control, or comparator (C); and the outcome (O).*



Predefined search protocol for including and excluding relevant literature



Your search protocol is the master document that ensures your review's transparency, repeatability, and audibility.

Planning a search protocol based on your research question and documenting it explicitly before you begin is essential.

Predefined and systematic search terms and keywords

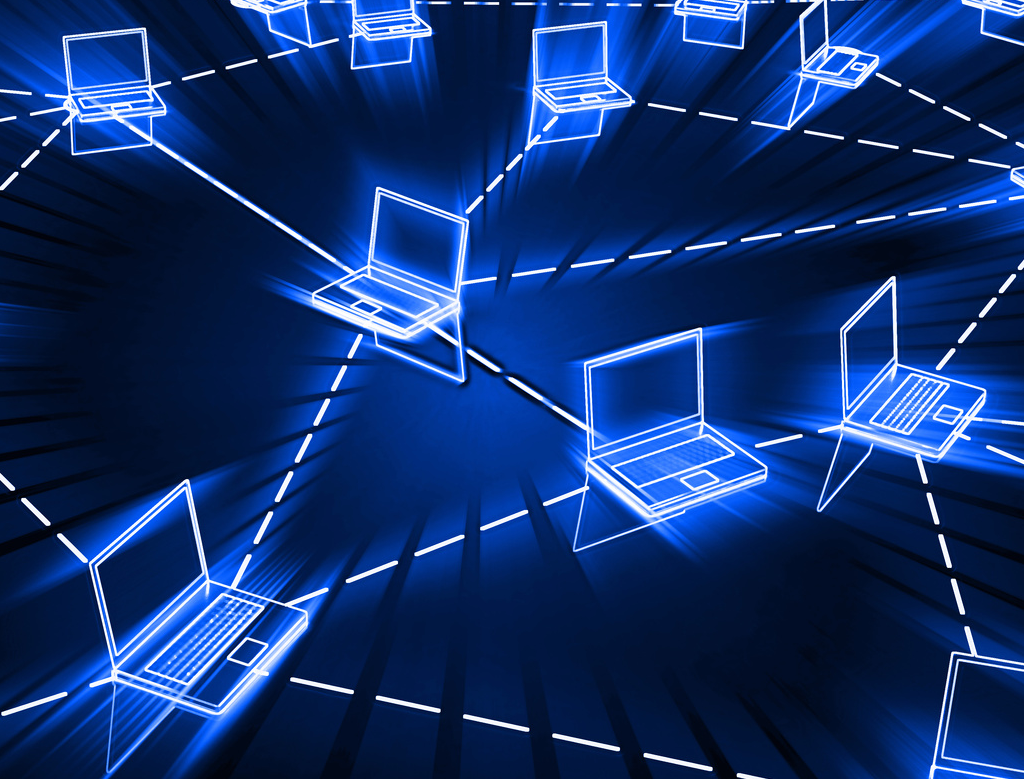


The eligibility criteria from your search protocol come into effect after completing your searches. Data extraction from the literature must follow the search protocol and be documented so others may replicate the process.



Literature reviews exhibit the following characteristics

- *A systematic and clear evaluation of the literature quality*
- *Exclusion of sources and justification for exclusion*
- *Analyzing the collected data and information*
- *Explain the incoherencies, errors, and limitations*



PRISMA (*Preferred Rating for Systematic Reviews and Meta-analyses*) ensures transparency and completeness in systematic reviews. The PRISMA statement describes the minimum set of items to be included in systematic reviews and meta-analyses based on evidence. The primary focus of PRISMA is systematic reviews assessing interventions. The approach is also suitable for reporting systematic reviews that do not evaluate interventions.

THANK YOU



Written By

Mohammadkazem Papan

<https://www.linkedin.com/in/mohammadkazem-amir-papan/>