## Reviews

# What you need to know about scoping reviews

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#### **Abstract**

The increasing amount of evidence has caused an increasing amount of literature reviews. There are different types of reviews —systematic reviews are the best known—, and every type of review has different purposes. The scoping review is a recent model that aims to answer broad questions and identify and expose the available evidence for a broader question, using a rigorous and reproducible method. In the last two decades, researchers have discussed the most appropriate method to carry out scoping reviews, and recently the "Preferred Reporting Items for Systematic Reviews and Meta-Analyses' for scoping reviews (PRISMA-ScR) reporting guideline was published. This is the fifth article of a methodological collaborative series of narrative reviews about general topics on biostatistics and clinical epidemiology. This review aims to describe what scoping reviews are, identify their objectives, differentiate them from other types of reviews, and provide considerations on how to carry them out.

#### **Key Points**

- Scoping reviews are a recent type of literature review, and their number has increased in the last years.
- Scoping reviews answer broad research questions while maintaining the same methodological rigor as systematic reviews.
- The main aim of scoping reviews is to identify and map the available evidence for a specific area.
- PRISMA for Scoping Reviews is the most recent methodological proposal for reporting scoping reviews.
- This article describes scoping reviews, considering their implications and challenges, targeted for undergraduate and postgraduate student training.

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### Introduction

The rapid increase in the generation of evidence in different areas, such as health or technology, triggered the need to group and synthesize this evidence in reviews. Systematic reviews are the most popular model because they reach potentially extrapolated conclusions by grouping all the available (and good quality) evidence for a specific clinical question with a rigorous and reproducible method<sup>1</sup>. They answer questions with the Population-Intervention-Comparison-Outcome (PICO) format. The development of health care towards a multidisciplinary science has led to more complex questions that do not meet the PICO format. These new questions may include:

Complex multidimensional phenomena that require multivariate analysis, conceptual and methodological development, and complementarity of sources

The need to know the type and amount of evidence available in some specific area and whether it is feasible or required to conduct a systematic review in this area

New models of literature review emerged to answer these kinds of questions. They vary according to the type of question they aim to answer while maintaining the rigorousness and reproducibility of systematic reviews<sup>1,2</sup>.

Among these models, scoping reviews answer broad questions, and their production has increased considerably over the years, but more during the last decade<sup>3,4</sup>. Most scoping reviews are related to health, followed by other social sciences and software engineering<sup>3</sup>. Public funds finance over 60% of scoping reviews, and most of them are developed by teams from North America and Europe<sup>4</sup>.

This is the fifth article of a methodological series of narrative reviews about general topics on biostatistics and clinical epidemiology, which explore and summarize, in a friendly language, several published articles available in main databases and specialized reference texts. The series aims to reach undergraduate and graduate students. The Evidence-Based Medicine Team from the School of Medicine of Universidad de Valparaíso, Chile, collaborated with the Research department of Instituto Universitario Hospital Italiano de Buenos Aires, Argentina, and the UC Evidence Center, of the Universidad Católica, Chile, to elaborate the series. This article's main objective is to specify what scoping reviews are and when it is pertinent to conduct a scoping review and provide comments on their considerations and challenges.

# What are scoping reviews?

Scoping reviews are extensive literature reviews that answer broad research questions. They focus on exploring the literature, establishing its size and potential scope in a specific area<sup>2</sup>. They show the general panorama rather than answer a specific question<sup>1</sup>. In addition, they follow a rigorous and systematic method that must be transparent and reproducible<sup>5</sup>.

Since the inception of scoping reviews—in the late 90s—we lack a specific terminology for them<sup>3,4</sup>. Scoping review is the most widely used; other terms such as "scoping study," "systematic mapping," or "scoping exercise" are also used<sup>3</sup>.

Just as there is no specific terminology, there is no universal definition for scoping reviews. The most referenced definition is the one

proposed by Mays et al.<sup>6</sup>, and later used by Arksey and O'Malley<sup>7</sup>, stating that scoping reviews "aim to map the key concepts rapidly underpinning a research area and the main sources and types of evidence available, and can be undertaken as stand-alone projects in their own right, especially where an area is complex or has not been reviewed comprehensively before"<sup>6</sup>. In this sense, scoping reviews are intended to be a comprehensive review of the literature: they must cover the greatest breadth of the available evidence, but the depth in the search may vary (depending on the objective of each review), which is why different sources can feed into scoping reviews, and both scientific articles and expert interviews are valid to the extent that they answer the research question<sup>8</sup>.

Daudt et al. <sup>9</sup> suggested discarding the word "rapid" from the proposed definition since scoping reviews are not fast to perform, and they must be carried out conscientiously and in detail. They also state that the objectives of scoping reviews should be included in their definition (for example, to identify key concepts, gaps in the literature, and types and sources of evidence) to inform clinicians, policymakers, and researchers<sup>9</sup>.

# What are they for, and when should they be done?

Scoping reviews can have different objectives, but they all share the goal of identifying and mapping the available evidence in a specific area. Some possible objectives are:

 To examine the amount and nature of the available evidence in a specific area: A scoping review with this objective is helpful to achieve a general view of a specific field when it is hard to know the amount of available evidence. It scans the availability of the evidence rather than the conclusions presented in that evidence<sup>7,10</sup>.

*Example*: A scoping review assessing and defining the location and the quality of the available evidence on emergency planning in the academic and grey literature of the United Kingdom<sup>11</sup>.

- To establish the need and feasibility of conducting a systematic review after a scoping review: Scoping reviews recognize the type of available evidence for a question, which can help set a basis for a systematic review7. It is possible to establish the feasibility of a systematic review if a previous scoping review answers questions such as "Are there any studies available?" or "What type of studies exist?"10. Besides, a scoping review may conclude whether a new systematic review would be relevant if it answers "Are there any previous systematic reviews?" or "How many previous systematic reviews are available?". Conducting a scoping review can be an important step before conducting a systematic review if we consider its human and financial cost. Scoping reviews may also help set up the specific question for a systematic review because the available evidence is helpful to detect populations or outcomes of interest for future systematic reviews<sup>12</sup>. Despite this objective may improve the efficiency when performing a systematic review, it is not the most frequent aim in conducting a scoping review<sup>3,4</sup>.
  - Example: A scoping review exploring how physical training interventions affect the fat percentage of people with an intellectual deficit and assesses the need for further investigation<sup>13</sup>.
- 3. To summarize and spread the results of available evidence: The general picture of the available evidence for a question allows to sum up the results of this evidence and to present them to public policies makers, decision-makers, and even consumers



(they may not have the experience nor the time needed to conduct a literature review on their own)<sup>7</sup>.

Example: A scoping review summarizing the available recommendations on ophthalmologic care during the COVID-19 pandemic<sup>14</sup>.

4. To identify gaps in the available evidence: This is the most frequent aim of scoping reviews<sup>3,4</sup>. The mapping of evidence is used to identify where research is lacking and point to the potential direction of further research<sup>7,12</sup>. It identifies the areas where there are no studies, but as it is not mandatory for scoping reviews to assess the quality of the evidence, those that skip this step may overlook gaps of evidence where only poor quality evidence exists, and further investigation is needed.

Example: A scoping review exploring and describing the available evidence on "occupational balance" (or the balance of work, rest, sleep, and play) and identifies the knowledge gaps<sup>15</sup>.

- 5. To clarify concepts and definitions on a specific topic: Scoping reviews with this aim evaluate differences in definitions in a specific topic or the discrepancy among authors' interpretation of a definition. This encourages authors to reach consensus and to design a "definition based on the evidence."
  - Example: A scoping review that evaluates the definition of "bronchopulmonary dysplasia" in the available evidence and analyzes incidence variations according to the definition<sup>16</sup>.
- 6. To evaluate how research is done in a specific area: When evaluating how research is conducted, scoping reviews can suggest standardizations, either methodological or about reporting (especially in those topics where there is greater variability).

- Example: A scoping review evaluating and narratively describing how researchers conduct scoping reviews<sup>3</sup>.
- To identify key features or factors related to a specific concept: Scoping reviews may assess key aspects on a specific topic, guiding further investigation or better clinical practice thanks to its findings.

*Example:* A scoping review identifying the features of primary health care models for indigenous people and later informs the best healthcare model of attention<sup>17,18</sup>.

The main objective of scoping reviews can combine two or more of the above mentioned. In our experience, the flexibility to incorporate several sources (clinical practice guidelines in our case) allowed us to reach a general picture of existing recommendations and identify gaps of evidence by assessing the reporting quality of each guideline.

# What are the differences and similarities with other types of literature reviews?

Systematic reviews are the literature reviews with the most extended trajectory and are widely used (and preferred) by decision-makers. In Table 1, we compare in detail scoping reviews with systematic reviews<sup>12</sup>.

Table 1. Main differences between a systematic review and a scoping review.

Item	Systematic review	Scoping review
Primary objective <sup>1</sup>	To summarize available evidence (hypothesis-testers)	To present a general view (hypothesis-creators)
Protocol <sup>2</sup>	A priori	A priori (not always present)*
Type of question <sup>7,10,19</sup>	Specific (PICO** model)	Broad question
Search <sup>2</sup>	Explicit strategy, transparent and peer-reviewed	Explicit strategy, transparent and peer-reviewed
Included studies <sup>7,19</sup>	Narrow range of types of studies (example: randomized controlled trials for some systematic reviews of interventions)	May include both primary and secondary studies, according to each scoping review needs (more flexibility)
Data extraction <sup>12</sup>	Standardized extraction sheet	Standardized extraction sheet
Quality assessment of the evidence <sup>7,19,20</sup>	Yes (it should have an evaluation of the included studies)	Generally not ***

<sup>\*</sup> Item included in extension for scoping reviews of 'Preferred Reporting Items for Systematic Reviews and Meta-Analyses' (PRISMA).

Created by the authors based on information from the following articles: 1,2,7,10,12,19,20.



<sup>\*\*</sup> PICO: Population-Intervention-Comparison-Outcome.

<sup>\*\*\*</sup> Can be conducted if a specific scoping review requires it.

# Comparing scoping reviews with other literature reviews

Narrative reviews: It summarizes the evidence on a specific topic, but it can be subjective since the authors' experience, and previous knowledge or theories may guide the search and the synthesis of evidence. On the other hand, scoping reviews include a comprehensive and systematic search of the evidence (transparent and reproducible), and they extract and present the information in a structured form<sup>2</sup>.

**Evidence gap maps:** They identify and analyze the gaps of evidence in the literature<sup>21</sup>. They are the most similar literature review to scoping reviews. They even share the extension of *Preferred Reporting Items for Systematic Reviews and Meta-Analyses* (PRISMA) for scoping reviews<sup>22</sup>. Their primary difference is that gap maps present a schematic and interactive figure (map) that shows where the available evidence on a specific topic is and where the gaps are<sup>21</sup>.

**Rapid reviews:** It is a 'systematic review' that takes shortcuts in its methodology. They are efficient when resources or time are restrained, and decision-makers often request their production in specific situations<sup>12,23</sup>. A rapid review tests a hypothesis rather than formulating it.

### What are the myths of scoping reviews?

"Scoping reviews are easy to perform" or "Scoping reviews are a less rigorous method than a systematic review": Most scoping reviews do not assess quality nor perform quantitative synthesis of the evidence, which is why some people think that scoping reviews are easier to perform, or less rigorous than systematic reviews. However, scoping reviews require researchers to critically assess information in order to present it. Also, they may include different types of studies, so literature search and literature screening yield many results that must be included, and this inherently challenges its conduction. Scoping reviews are not less rigorous than systematic reviews: they are a different model with their methodology and challenges<sup>19</sup>.

"Scoping reviews are quick to perform": Perhaps the main reason for this myth is that the definition used by Arksey and O'Malley

states that scoping reviews "aim to map rapidly" the literature<sup>6,7</sup>. However, multiple factors may affect the speed when performing a scoping review: the question breadth, the amount of evidence reached, the time researchers can spend on each scoping review, and the number of researchers working on it. Pham et al. found that performing a scoping review takes from two weeks to 20 months when analyzing 344 scoping reviews<sup>3</sup>. Therefore, we cannot claim that they are fast to perform<sup>9</sup>. The estimated time to carry out a scoping review (and the time of researchers required) is an important variable to consider in a scoping review's cost<sup>7</sup>.

# How are scoping reviews done?

There are different methods for conducting a scoping review. Arksey and O'Malley were the first to propose one, ensuring a rigorous and reproducible method to respond to the different scoping reviews' objectives<sup>7</sup>. Several authors suggested modifications to this original method to facilitate its application<sup>8,24-26</sup>, and, in 2015, the Joanna Briggs Institute published their methodology based on the original model and the ulterior suggestions<sup>27</sup>, which has been well accepted<sup>28</sup>. This methodology was updated in 2020 and can be found in the chapter of scoping reviews in the JBI Manual for Evidence Synthesis<sup>29</sup>.

The PRISMA Extension for Scoping Reviews (PRISMA-ScR) is the most recently published instrument to guide the scoping reviews' report<sup>22</sup>. It was based on the existing theoretical frameworks (previously mentioned), adding the comments and recommendations made to them. Multiple articles—preceding the publication of PRISMA-ScR-mentioned the need to standardize the methods of scoping reviews, enabling to evaluate their rigor, and to ensure a minimum level of analysis and report<sup>3,4,8,24,26</sup>: the PRISMA-ScR addresses these concerns. As mentioned above, PRISMA-ScR is also used to report evidence gap maps. Table 2 shows the PRISMA-ScR checklist; this extension excludes items from the original checklist (used for systematic reviews) and makes some items optional. For more information regarding this tool, we advise consulting it directly<sup>22</sup>. Given its recent release, there are still no publications that assess it (2018), but some published scoping reviews have already used this method, so soon we should expect to see users' opinions and recommendations<sup>30</sup>.

Table 2. PRISMA extension for Scoping Reviews checklist

Section	Items to verify
Title	Title
Abstract	Structured summary
Introduction	Rationale
	Objectives
Methods	Protocol and registration
	Eligibility criterio
	Information sources



	Search	
	Selection of sources of evidence	
	Data charting process	
	Data ítems	
	Critical appraisal of individual sources of evidence (optional)	
Results	Selection of sources of evidence	
	Characteristics of sources of evidence	
	Critical appraisal within sources of evidence (optional)	
	Results of individual sources of evidence	
	Synthesis of results	
Discusion	Summary of evidence	
	Limitations	
	Conclusions	
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Created by the authors based on information from the following article: 22.

Although different theoretical frameworks to perform scoping reviews have been proposed during the last 20 years, PRISMA-ScR extension may be the guide to follow from now on. The different proposals kept common ideas that are important to highlight:

Scoping reviews must be carried out by a multidisciplinary team: By doing so, different disciplines complement each other?. Some authors state that scoping reviews should include a librarian (or information specialist) to develop high-quality search strategies<sup>31</sup>. The team should include at least two researchers<sup>27</sup>, but according to some authors' experience, this number would not be enough, considering how laborious the work can be, and because a greater number of members from different disciplines enriches the work? If possible, at least two independent researchers should perform the analysis (the same as other types of reviews).

The process must be iterative<sup>7,27</sup>: The process should be carried out with rigor and reflectively, repeating steps if necessary to accomplish the objectives of the scoping review. The review should be comprehensive, so researchers must repeat the search at different moments when performing a scoping review (and this should be detailed in the methods section).

Search strategies and data extraction tables should be piloted before its use<sup>4,7</sup>: The search strategies used in a scoping review should be able to provide all results to the (broad) question to be addressed. The search strategy must be piloted—even repeatedly—to ensure this. Researchers should also test the data extraction tables, as the results they produce should answer the question and satisfy the specific objectives of each scoping review.

# What to consider when conducting a scoping review?

A balance between breadth and depth: Bibliographic searches of databases, specific platforms, gray literature, manual reviews, the information provided by experts, and even interviews (the latter in areas other than health) may nourish the evidence in a scoping review. It is essential to cover as much available information as possible (breadth); the depth, instead, will be determined by the question of each scoping review. The breadth could be a challenge: sometimes, the volume of evidence to review is so large that the predicted time, the languages covered, and the number of reviewers required to develop the scoping review is underestimated<sup>4,7</sup>. In these cases, sometimes the reviewers may be able to assess less evidence than the total retrieved; this is a limitation because, despite being reported (maintaining transparency), it is contradictory with the main aim of scoping reviews: to have a general panorama of all the available information. This balance between breadth and depth is easier to achieve—and thus a briefer scoping review—in areas where the existing evidence is scarce<sup>12</sup>.

**Evidence quality assessment:** It is not mandatory to assess the quality of the evidence, but reviewers may carry it out if it is the aim of their scoping review. Some authors state that not assessing the quality of the evidence may be a limitation of scoping reviews<sup>2,3,12,19</sup>. When reviewers do not assess the quality of evidence, they may fail to identify evidence gaps where there is evidence of low quality. This could be a problem in scoping reviews that aim to support or inform decision-making in healthcare since they would not identify gaps



where evidence exists, or because it is of low or very low quality, and further studies are needed.

Consultation with experts or key informants: This step of scoping reviews has not yet been fully defined<sup>24</sup> and is considered optional<sup>7</sup>. This stage has many possible interpretations, such as: the experts can provide additional references<sup>7</sup>; the experts may revise the preliminary data of a scoping review, evaluating its validity or utility<sup>4</sup>. Both are valid interpretations and imply the participation of external agents in the review in different moments of its performance, thus reflecting the lack of development on this matter.

Standardization of the process and report: The use of PRISMA-ScR ensures the rigor of the report when conducting scoping reviews. PRISMA-ScR will increase readers' confidence in the presented information and allows them to read these articles critically<sup>32</sup>.

#### **Conclusions**

Scoping reviews are a recent method of literature review. They answer broad research questions aiming to identify and map the available evidence for a specific area, accomplishing the specific objectives of each review. They differ from other types of literature reviews mainly in their objectives and the type of question they address, but they share the rigorous and reproducible method of systematic reviews. There are different standards for reporting scoping reviews, but the PRISMA extension for scoping reviews (PRISMA-ScR) is the newest and considers suggestions and critics made to previous guidelines.

## Notes

#### Contributions of the authors

CV, LVM: conceptualization, methodology, investigation, writing – review, visualization, supervision, project administration. LTB, BSM, MVP, ASD: conceptualization, methodology, investigation, writing, writing – review. ASD: conceptualization, methodology, investigation, writing, writing – review.

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#### References

- Moher D, Stewart L, Shekelle P. All in the Family: systematic reviews, rapid reviews, scoping reviews, realist reviews, and more. Syst Rev. 2015 Dec 22;4:183. | CrossRef | PubMed |
- Grant MJ, Booth A. A typology of reviews: an analysis of 14 review types and associated methodologies. Health Info Libr J. 2009 Jun;26(2):91-108. | CrossRef | PubMed |
- Pham MT, Rajić A, Greig JD, Sargeant JM, Papadopoulos A, McEwen SA. A scoping review of scoping reviews: advancing the approach and enhancing the consistency. Res Synth Methods. 2014 Dec;5(4):371-85. | CrossRef | PubMed |

- Tricco AC, Lillie E, Zarin W, O'Brien K, Colquhoun H, Kastner M, et al. A scoping review on the conduct and reporting of scoping reviews. BMC Med Res Methodol. 2016 Feb 9;16:15. | CrossRef | PubMed |
- Harms MC, Goodwin VA. Scoping reviews. Physiotherapy. 2019 Dec;105(4):397-398. | CrossRef | PubMed |
- Mays N, Roberts E, Popay J. Synthesising research evidence. In: Fulop N, Allen P, Clarke A, et al., eds. Studying the organisation and delivery of health services: Research methods. London: Routledge 2001.
- 7. Arksey H, O'Malley L. Scoping studies: towards a methodological framework. Int J Soc Res Methodol 2005;8:19–32. | CrossRef |
- Davis K, Drey N, Gould D. What are scoping studies? A review of the nursing literature. Int J Nurs Stud. 2009 Oct;46(10):1386-400. | CrossRef | PubMed |
- Daudt HM, van Mossel C, Scott SJ. Enhancing the scoping study methodology: a large, inter-professional team's experience with Arksey and O'Malley's framework. BMC Med Res Methodol. 2013 Mar 23;13:48. | CrossRef | PubMed |
- Khalil H, Peters MD, Tricco AC, Pollock D, Alexander L, McInerney P, et al. Conducting high quality scoping reviews-challenges and solutions. J Clin Epidemiol. 2021 Feb;130:156-160. | CrossRef | Pub-Med |
- Challen K, Lee AC, Booth A, Gardois P, Woods HB, Goodacre SW. Where is the evidence for emergency planning: a scoping review. BMC Public Health. 2012 Jul 23;12:542. | CrossRef | PubMed |
- Munn Z, Peters MDJ, Stern C, Tufanaru C, McArthur A, Aromataris E. Systematic review or scoping review? Guidance for authors when choosing between a systematic or scoping review approach. BMC Med Res Methodol. 2018 Nov 19;18(1):143. | CrossRef | PubMed |
- 13. Casey AF, Rasmussen R. Reduction measures and percent body fat in individuals with intellectual disabilities: a scoping review. Disabil Health J. 2013 Jan;6(1):2-7. | CrossRef | PubMed |
- Vargas-Peirano M, Navarrete P, Díaz T, Iglesias G, Hoehmann M. Care of ophthalmological patients during the COVID-19 pandemic: A rapid scoping review. Medwave. 2020 May 13;20(4):e7902. Spanish, English. | CrossRef | PubMed |
- Wagman P, Håkansson C, Jonsson H. Occupational Balance: A Scoping Review of Current Research and Identified Knowledge Gaps. Journal of Occupational Science 2015;22:160–9. | CrossRef |
- Hines D, Modi N, Lee SK, Isayama T, Sjörs G, Gagliardi L, et al. Scoping review shows wide variation in the definitions of bronchopulmonary dysplasia in preterm infants and calls for a consensus. Acta Paediatr. 2017 Mar;106(3):366-374. | CrossRef | PubMed |
- 17. Harfield SG, Davy C, McArthur A, Munn Z, Brown A, Brown N. Characteristics of Indigenous primary health care service delivery models: a systematic scoping review. Global Health. 2018 Jan 25;14(1):12. | CrossRef | PubMed |
- Harfield S, Davy C, Kite E, McArthur A, Munn Z, Brown N, et al. Characteristics of Indigenous primary health care models of service delivery: a scoping review protocol. JBI Database System Rev Implement Rep. 2015 Nov;13(11):43-51. | CrossRef | PubMed |
- Brien SE, Lorenzetti DL, Lewis S, Kennedy J, Ghali WA. Overview of a formal scoping review on health system report cards. Implement Sci. 2010 Jan 15;5:2. | CrossRef | PubMed |
- Peterson J, Pearce PF, Ferguson LA, Langford CA. Understanding scoping reviews: Definition, purpose, and process. J Am Assoc Nurse Pract. 2017 Jan;29(1):12-16. | CrossRef | PubMed |
- Miake-Lye IM, Hempel S, Shanman R, Shekelle PG. What is an evidence map? A systematic review of published evidence maps and their definitions, methods, and products. Syst Rev. 2016 Feb 10;5:28. | CrossRef | PubMed |
- Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMA-ScR): Checklist and Explanation. Ann Intern Med. 2018 Oct 2;169(7):467-473. | CrossRef | PubMed |
- Hamel C, Michaud A, Thuku M, Skidmore B, Stevens A, Nussbaumer-Streit B, et al. Defining Rapid Reviews: a systematic scoping review and



- thematic analysis of definitions and defining characteristics of rapid reviews. J Clin Epidemiol. 2021 Jan;129:74-85. | CrossRef | PubMed |
- 24. Levac D, Colquhoun H, O'Brien KK. Scoping studies: advancing the methodology. Implement Sci. 2010 Sep 20;5:69. | CrossRef | Pub-
- 25. Anderson S, Allen P, Peckham S, Goodwin N. Asking the right questions: scoping studies in the commissioning of research on the organisation and delivery of health services. Health Res Policy Syst. 2008 Jul 9;6:7. | CrossRef | PubMed |
- 26. Colquhoun HL, Levac D, O'Brien KK, Straus S, Tricco AC, Perrier L, et al. Scoping reviews: time for clarity in definition, methods, and reporting. J Clin Epidemiol. 2014 Dec;67(12):1291-4. | CrossRef | Pub-
- Peters MD, Godfrey CM, Khalil H, McInerney P, Parker D, Soares CB. Guidance for conducting systematic scoping reviews. Int J Evid Based Healthc. 2015 Sep;13(3):141-6. | CrossRef | PubMed |

- 28. Khalil H, Bennett M, Godfrey C, McInerney P, Munn Z, Peters M. Evaluation of the JBI scoping reviews methodology by current users. Int J Evid Based Healthc. 2020 Mar;18(1):95-100. | CrossRef | Pub-Med |
- 29. Peters MDJ, Godfrey C, McInerney P, Munn Z, Tricco AC, Khalil, H. Chapter 11: Scoping Reviews (2020 version). In: Aromataris E, Munn Z (Editors). JBI Manual for Evidence Synthesis, JBI, 2020. | Cross-
- 30. McGowan J, Straus S, Moher D, Langlois EV, O'Brien KK, Horsley T, et al. Reporting scoping reviews-PRISMA ScR extension. J Clin Epidemiol. 2020 Jul;123:177-179. | CrossRef | PubMed |
- Morris M, Boruff JT, Gore GC. Scoping reviews: establishing the role of the librarian. J Med Libr Assoc. 2016 Oct;104(4):346-354. | CrossRef | PubMed |
- 32. Chang S. Scoping Reviews and Systematic Reviews: Is It an Either/Or Question? Ann Intern Med. 2018 Oct 2;169(7):502-503. | CrossRef | PubMed |

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