

Evaluation of search methods in non-Cochrane systematic reviews published in 2022-2023 of climate change and adverse health effects.

Background: The ESCAZÚ Agreement ratified in April 2021 focuses on access to information, public participation, and legal proceedings related to environmental issues in Latin America and the Caribbean. Participating nations commit to creating systems that enable the production, availability, and dissemination of informed environmental information for decision-making. In light of this contextual framework, this study identify current status of SRs in health and climate change, evaluate its quality, and identify vulnerabilities that require training initiatives.

Objective: To evaluate the search strategies and quality of reports of the search methods in non- Cochrane SRs published between 2022-2023 to climate change and its impact on health.

Methods

We identified non-Cochran SRS published between 2022-2023 ain the Medline (PubMed). We identified 10% of the total results. we evaluate in title/abstract and selected SRs with: 1) Clear and defined PICO; 1)RSs with at least one mention of the search methods. We evaluated search reports with PRISMA-S¹. and PRESS².

Preliminary Results

Tab 1. Adherence to PRISMA-S

PRISMA- S.	N° RSs
INFORMATION SOURCES AND METHODS	
1. Database name	28
2. Multi-database searching	15
3. Study registries 3 List any study registries searched.	4
4. Online resources and browsing	3
5. Citation searching	0
6 Contacts	0
7. Other methods	2
SEARCH STRATEGIES	
8 Full search strategies	16
9. Limits and restrictions	0
10. Search filters	0
11. Prior work	0
12 Updates	0
13 Dates of searches	0
PEER REVIEW	
14 Peer review	0
MANAGING RECORDS	
15 Total records	0
16 Deduplication	0

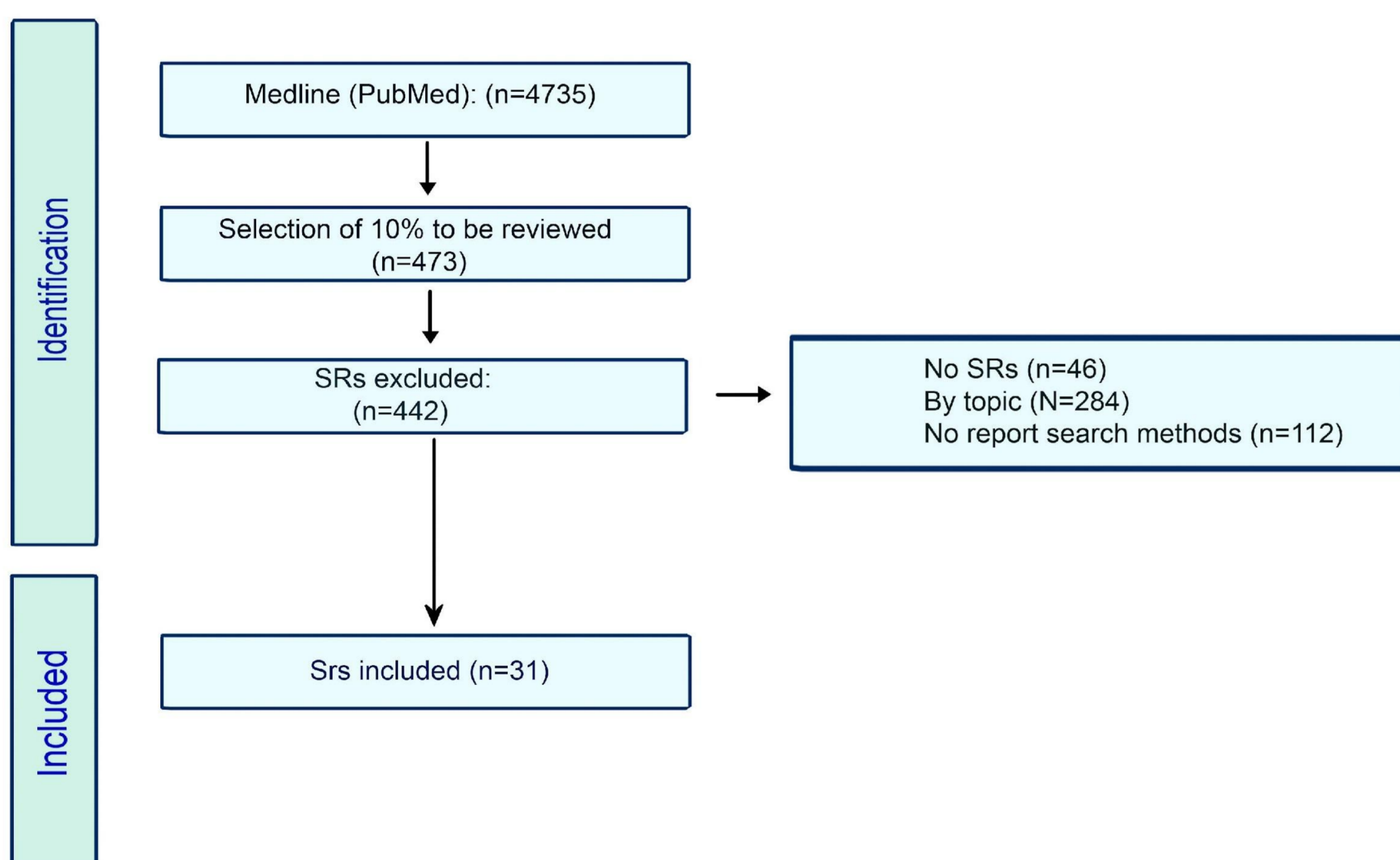


Fig. 1 Flowchart SRs included.

PRESS

16/31 Search Strategies were evaluated

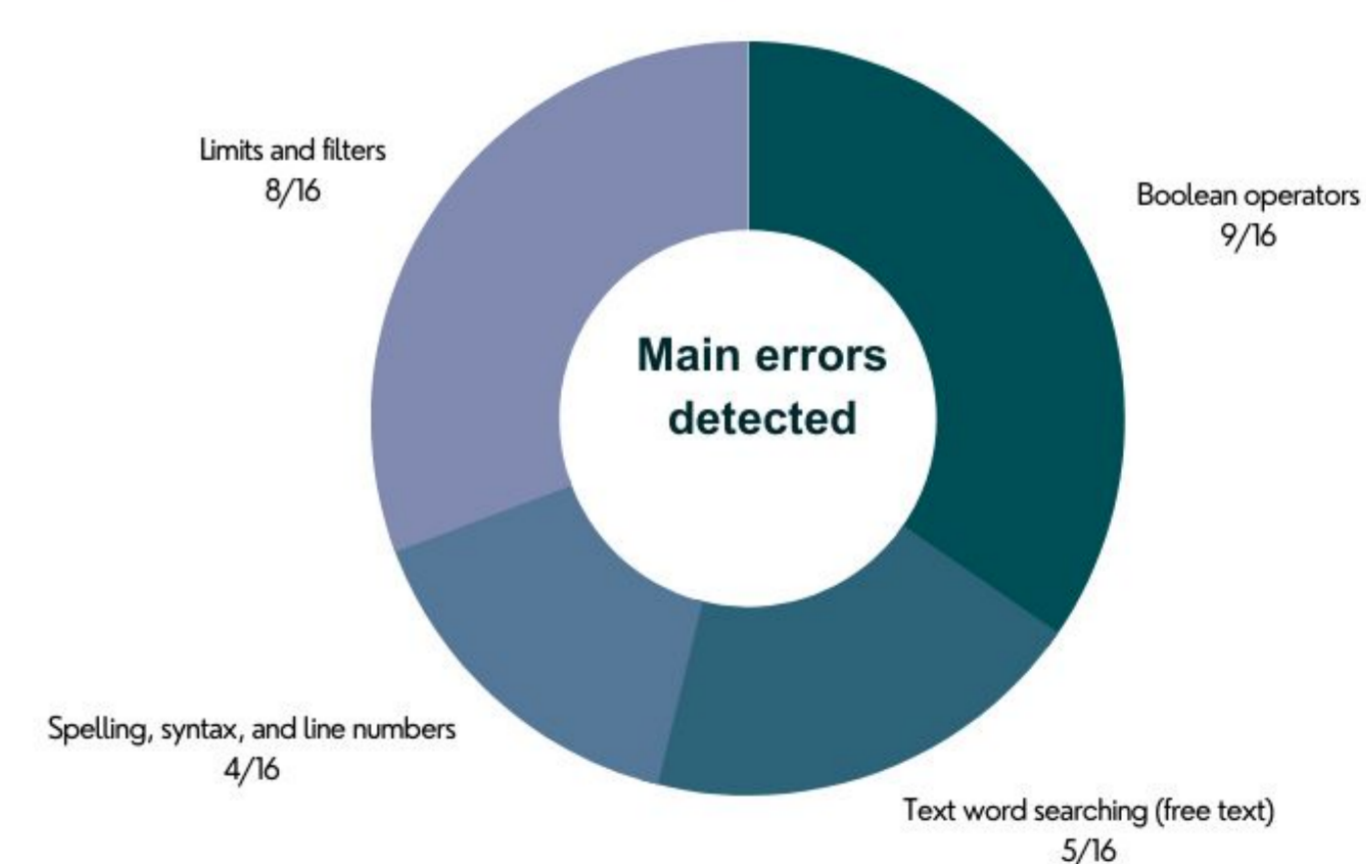


Fig 2 PRESS Guide Evaluation

Conclusion:

- The SRs evaluated do not adhere to what is recommended in PRESS and PRISMA-S for the development of search strategies
- Reflected in this analysis is the opportunity for methodological training in this area for the development of systematic reviews.
- No SRs were detected in the countries adhering to the ESCAZÚ agreement; it is necessary to promote the dissemination of quality methods that allow the production of SRs for decision-making.

References: 1 doi.org/10.1186/s13643-020-01542-z; 2d oi.org/10.1016/j.jclinepi.2016.01.021

