



# PRISMA 2020 Checklist

Section and Topic	Item #	Checklist item	Location where item is reported
<b>TITLE</b>			
Title	1	Identify the report as a systematic review.	Page 1 line 3.
<b>ABSTRACT</b>			
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	Page 1 line 9-31 (formatted as requested by journal)
<b>INTRODUCTION</b>			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Page 2 line 71-74 Page 4 line 155 to line 174
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	page 2 line 72-88
<b>METHODS</b>			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Table 1. inclusion/exclusion criteria Sections 3.1 and 3.2
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	Page 4 line 190-194
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Page 4 line 190 to page 5 line 208
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	Section 3.2
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	Section 3.3.2. Content analysis and coding framework
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.	Section 3.3.2. Content analysis and coding framework
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	N/A
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	Page 5 lines 211-230
<b>RESULTS</b>			
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram.	Page 6 line 231
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.	N/A
Study characteristics	17	Cite each included study and present its characteristics.	Supplementary table S1. Table 6 / Table 7



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Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Page 8 line 279-281
Results of individual studies	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or plots.	(a) Section 4.3.1. AR systems, Section 4.3.2. AR devices, Section 4.3.3. Tourism settings, Section 4.3.4. Virtual content. (b) N/A
<b>DISCUSSION</b>			
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Page 16 line 524 to page 18 line 599.
	23b	Discuss any limitations of the evidence included in the review.	Page 21 line 728-738.
	23c	Discuss any limitations of the review processes used.	Page 21 line 738-745
	23d	Discuss implications of the results for practice, policy, and future research.	Section 5. Future directions Page 20 line 703 to page 21 line 726.
<b>OTHER INFORMATION</b>			
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	Page 21 line 745-752.
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Page 21 line 745-752.
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	N/A
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Page 22 line 762.
Competing interests	26	Declare any competing interests of review authors.	Page 22 line 767.
Availability of data, code and other materials	27	Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	All data are available in tables and figures included in the article, and supplementary table 1.

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