

Appendix I. PRISMA Checklist

Section/topic	#	Checklist item	Reported on page #
TITLE			
Title	1	Identify the report as a systematic review, meta-analysis, or both.	1
ABSTRACT			
Structured summary	2	Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.	1
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known.	3
Objectives	4	Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).	4
METHODS			
Protocol and registration	5	Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number.	NA
Eligibility criteria	6	Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used	4

		as criteria for eligibility, giving rationale.	
Information sources	7	Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched.	4
Search	8	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	Appendix II
Study selection	9	State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).	5
Data collection process	10	Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.	5
Data items	11	List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.	5
Risk of bias in individual studies	12	Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis.	5,6
Summary measures	13	State the principal summary measures (e.g., risk ratio, difference in means).	NA
Synthesis of results	14	Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I^2) for each meta-analysis.	6

Notes: PRISMA figure adapted from Page MJ, Moher D, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. PRISMA 2020 explanation and elaboration: updated guidance and exemplars for reporting systematic reviews. *BMJ*. 2021;372:n160. Creative Commons.²⁰

Appendix II. Search strategy

Search strategy item	Search strategy details
String of words	((first-aid) AND (knowledge OR attitudes OR practices) AND ("teachers" OR "school training" OR "school-based" OR "school-based training") AND (Saudi* OR KSA OR Saudi Arabia OR Kingdom of Saudi Arabia))
Databases searched	PubMed, CINAHL, EMBASE, Cochrane
Inclusion criteria	<p>P (population): school-based teachers in Saudi Arabia</p> <p>I (intervention/exposure): None</p> <p>C (comparators/comparisons): Any kind of comparisons/comparators (such as age, gender, years of teaching experience)</p> <p>O (outcomes): Knowledge and attitudes on first aid</p> <p>S (study type): Primary, original study (any study design included)</p>
Exclusion criteria	<p>P: Teachers not based at schools</p> <p>I: None</p> <p>C: None</p> <p>O: Outcomes not described in sufficient detail</p> <p>S: Commentaries, expert opinions, letters to editor, editorials, original article without sufficient details or relevant information and non-English studies</p>