PRISMA 2020 Checklist

Section and Topic	Item #	Checklist item	Location where item is reported
TITLE			
Title	1	Identify the report as a systematic review.	Title page – clearly identified as a scoping review.
ABSTRACT			
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	See updated PRISMA 2020 for Abstracts checklist.
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Introduction – paragraphs 1–2: context and rationale of the review.
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Introduction – final paragraph: explicit review objective stated.
METHODS			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Methods – eligibility criteria: inclusion and exclusion criteria outlined.
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.	Methods – information sources: lists databases and search dates.
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Methods – search strategy: full description of strategy and filters.
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.	Methods – selection process: manual screening by two authors independently.
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.	Methods – data extraction: data charted independently using predefined forms.
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.	Methods – outcomes: PPE compliance improvement strategies and implementation types.
	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.	Methods – data items: study design, country, year, population, intervention type.
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.	Methods – risk of bias was not assessed, as stated with justification.
Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	Methods – no effect measures calculated due to nature of scoping review.
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #5)).	Methods – narrative grouping of studies by strategy type.

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	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	Not applicable – no data transformation or imputation performed.
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Results – visual and narrative summary through thematic tables.
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	Not applicable – narrative synthesis only; no meta-analysis performed.
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	Not applicable – heterogeneity not statistically explored.
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	Not applicable – no sensitivity analysis conducted.
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	Discussion – reporting bias not assessed; reason noted in limitations.
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	Discussion – certainty of evidence not evaluated, as per scoping design.
RESULTS			
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.	Results – study selection process detailed and PRISMA flow diagram presented.
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.	Results – exclusion reasons described in text and figure.
Study characteristics	17	Cite each included study and present its characteristics.	Results – Table 1 and Table 2 present included study characteristics.
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Not applicable – risk of bias not assessed.
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.	Results – summary of findings per strategy in tables and narrative.
Results of syntheses	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Not applicable – risk of bias among studies not summarized.
	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect.	Not applicable – no statistical synthesis/meta-analysis performed.
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Not applicable – heterogeneity analysis not conducted.
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	Not applicable – sensitivity analysis not performed.

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Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Not applicable – reporting bias not assessed.
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	Not applicable – certainty of evidence not assessed.
DISCUSSION			
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Discussion – findings interpreted in context of prior evidence.
	23b	Discuss any limitations of the evidence included in the review.	Discussion – limitations of evidence (observational design, heterogeneity) discussed.
	23c	Discuss any limitations of the review processes used.	Discussion – limitations of methodology (no bias assessment, no synthesis).
	23d	Discuss implications of the results for practice, policy, and future research.	Discussion – practical implications and future research directions addressed.
OTHER INFORMATION			
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	Methods – OSF registration stated: https://doi.org/10.17605/OSF.IO/U3YAH.
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Protocol accessible via OSF registration.
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	No amendments since registration noted.
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Declarations – stated no financial or institutional funding received.
Competing interests	26	Declare any competing interests of review authors.	Declarations – authors declare no conflicts of interest.
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.	Declarations – all data included in manuscript, no additional materials available.

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