PRISMA-P 2015 Checklist

Section/topic	#	Checklist item	Information reported		Line number(s)	Reported on Section/Paragraph
			Yes	No		
ADMINISTRATIVE INFORMATION						
Title						
Identification	1a	Identify the report as a protocol of a systematic review	☒	☐	3-4	Title
Update	1b	If the protocol is for an update of a previous systematic review, identify as such	☐	☒	N/A	N/A
Registration	2	If registered, provide the name of the registry (e.g., PROSPERO) and registration number in the Abstract	☒	☐	58	Abstract/para4
Authors						
Contact	3a	Provide name, institutional affiliation, and e-mail address of all protocol authors; provide physical mailing address of corresponding author	☒	☐	6-21	Title page
Contributions	3b	Describe contributions of protocol authors and identify the guarantor of the review	☒	☐	22-29	Title page
Amendments	4	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments	☐	☒	N/A	N/A
Support						
Sources	5a	Indicate sources of financial or other support for the review	☒	☐	265-269	Funding statement
Sponsor	5b	Provide name for the review funder and/or sponsor	☒	☐	265-269	Funding statement
Role of sponsor/funder	5c	Describe roles of funder(s), sponsor(s), and/or institution(s), if any, in developing the protocol	☒	☐	268-269	Funding statement
INTRODUCTION						
Rationale	6	Describe the rationale for the review in the context of what is already known	☒	☐	60-82	Introduction/Para1-2
Objectives	7	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)	☒	☐	83-99	Introduction/Para3-4
METHODS						
Eligibility criteria	8	Specify the study characteristics (e.g., PICO, study design, setting, time frame) and report characteristics (e.g., years considered, language, publication status) to be used as criteria for	☒	☐	107-141	Methods/para3-8

Section/topic	#	Checklist item	Information reported		Line number(s)	Reported on Section/Paragraph
			Yes	No		
		eligibility for the review				
Information sources	9	Describe all intended information sources (e.g., electronic databases, contact with study authors, trial registers, or other grey literature sources) with planned dates of coverage	☒	☐	143-144,155-157	Methods/para9
Search strategy	10	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated	☒	☐	142-157	Methods/para9
STUDY RECORDS						
Data management	11a	Describe the mechanism(s) that will be used to manage records and data throughout the review	☒	☐	158-160	Methods/para10
Selection process	11b	State the process that will be used for selecting studies (e.g., two independent reviewers) through each phase of the review (i.e., screening, eligibility, and inclusion in meta-analysis)	☒	☐	160-164	Methods/para10
Data collection process	11c	Describe planned method of extracting data from reports (e.g., piloting forms, done independently, in duplicate), any processes for obtaining and confirming data from investigators	☒	☐	165-170	Methods/para11
Data items	12	List and define all variables for which data will be sought (e.g., PICO items, funding sources), any pre-planned data assumptions and simplifications	☒	☐	168-170	Methods/para11
Outcomes and prioritization	13	List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale	☒	☐	123-133	Methods/para6
Risk of bias in individual studies	14	Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis	☒	☐	171-176	Methods/para12
DATA						
Synthesis	15a	Describe criteria under which study data will be quantitatively synthesized	☒	☐	177-180	Methods/para13
	15b	If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data, and methods of combining data from studies, including any planned exploration of consistency (e.g., I^2, Kendall's tau)	☒	☐	181-212	Methods/para13-15
	15c	Describe any proposed additional analyses (e.g., sensitivity or subgroup analyses, meta-regression)	☒	☐	213-241	Methods/para16-18
	15d	If quantitative synthesis is not appropriate, describe the type of summary planned	☐	☒	N/A	N/A
Meta-bias(es)	16	Specify any planned assessment of meta-bias(es) (e.g., publication bias across studies, selective reporting within studies)	☒	☐	241-243	Methods/para19

Section/topic	#	Checklist item	Information reported		Line number(s)	Reported on Section/Paragraph
			Yes	No		
Confidence in cumulative evidence	17	Describe how the strength of the body of evidence will be assessed (e.g., GRADE)	☒	☐	244-249	Methods/para20

Article Information: http://dx.doi.org/10.21037/atm-20-4451

*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.