

Section/item	Item No	Recommendation	Reported on Page/Line No	Reported on Section/ Paragraph
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	2; 7	Abstract; Methods
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2; 6-18	Abstract
<b>Introduction</b>				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	3; 1-15	Introduction
Objectives	3	State specific objectives, including any prespecified hypotheses	3; 16-19	Introduction
<b>Methods</b>				
Study design	4	Present key elements of study design early in the paper	3; 25-34	Materials and Methods; 2-3
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	3; 25-29	Materials and Methods; 2
Participants	6	Cross-sectional study—Give the eligibility criteria, and the sources and methods of selection of participants	3; 25-29	Materials and Methods; 2
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	3; 30-38 4; 1-32	Materials and Methods; 3-5
Data sources/ measurement	8	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	3; 25-38 4;1-32	Materials and Methods; 2-5
Bias	9	Describe any efforts to address potential sources of bias	3; 25-29	Materials and Methods; 2

Study size	10	Explain how the study size was arrived at	3; 25-29	Materials and Methods; 2
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	4; 15-30	Materials and Methods; 3-4
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	4; 15-32	Materials and Methods; 3-5
		(b) Describe any methods used to examine subgroups and interactions	4; 15-32	Materials and Methods; 3-5
		(c) Explain how missing data were addressed	3; 25-29	Materials and Methods; 2
		(d) Cross-sectional study—If applicable, describe analytical methods taking account of sampling strategy	3; 25-26	Materials and Methods; 2
		(e) Describe any sensitivity analyses	N/A	Not performed
<b>Results</b>				
Participants	13	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analyzed	3; 25-29 5; 2-4	Materials and Methods; 2 Results; 2
		(b) Give reasons for non-participation at each stage	3; 25-29 5; 2-4	Materials and Methods; 2 Results; 2
		(c) Consider use of a flow diagram	Figure 1	Figure 1
Descriptive data	14	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	4; 35-37	Results; 1
		(b) Indicate number of participants with missing data for each variable of interest	5; 2-4	Results; 2
Outcome data	15	Cross-sectional study—Report numbers of outcome events or summary measures	5; 5-28	Results; 2-7

Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	5; 2-28 Table 1	Results; 2-7
		(b) Report category boundaries when continuous variables were categorized	4; 15-22 5; 23-28	Materials and Methods; 3 Results; 6-7
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	N/A	Not relevant
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	5; 19-28	Results; 5-7
<b>Discussion</b>				
Key results	18	Summarize key results with reference to study objectives	5; 30-35	Discussion; 1
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	6; 21-32	Discussion; 3-4
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	7; 14-31	Discussion; 6-7
Generalizability	21	Discuss the generalizability (external validity) of the study results	7; 14-31	Discussion; 6-7
<b>Other information</b>				
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	1; 23-24	Title page

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\*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.