Section/item	ltem No	Recommendation	Reported on Page Number/Line Number	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	Page1/Line1-3	Title page
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Page4-5/Line1-19	Abstract
Introduction				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	Page6-7/Line15-5	Introduction/Paragraph1
Objectives	3	State specific objectives, including any prespecified hypotheses	Page7/Line13-19	Introduction/Paragraph2
Methods				
Study design	4	Present key elements of study design early in the paper	Page8-9/Line14-4	Methods/Paragraph2
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Page8-9/Line14-4	Methods/Paragraph2
Participants	6	 (a) Cohort study – Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up Case-control study – Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls Cross-sectional study – Give the eligibility criteria, and the sources and methods of selection of participants 	Page8-9/Line14-4	Methods/Paragraph2
		(b) Cohort study —For matched studies, give matching criteria and number of exposed and unexposed Case-control study —For matched studies, give matching criteria and the number of controls per case	Page8-9/Line14-4	Methods/Paragraph2
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Page10/Line7-15	Methods/Paragraph5
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	Page8/Line4-12	Methods/Paragraph1
Bias	9	Describe any efforts to address potential sources of bias	Page10-11/Line17-10	Methods/Paragraph6
Study size	10	Explain how the study size was arrived at	Page8-9/Line14-4	Methods/Paragraph2
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Page10/Line7-15	Methods/Paragraph5

STROBE Statement-checklist of items that should be included in reports of observational studies

12	(a) Describe all statistical methods, including those used to control for confounding	Page10-11/Line17-10	Methods/Paragraph6
	(b) Describe any methods used to examine subgroups and interactions	Page10-11/Line17-10	Methods/Paragraph6
	(c) Explain how missing data were addressed	Page10-11/Line17-10	Methods/Paragraph6
	(d) Cohort study —If applicable, explain how loss to follow-up was addressed Case-control study —If applicable, explain how matching of cases and controls was addressed Cross-sectional study —If applicable, describe analytical methods taking account of sampling strategy	Page10-11/Line17-10	Methods/Paragraph6
	(e) Describe any sensitivity analyses	Page10-11/Line17-10	Methods/Paragraph6
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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 analysed	Page11-12/Line14-2	Results/Paragraph1
	(b) Give reasons for non-participation at each stage	Page11-12/Line14-2	Results/Paragraph1
	(c) Consider use of a flow diagram	Page11-12/Line14-2	Results/Paragraph1
14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	Page11-12/Line14-2	Results/Paragraph1
	(b) Indicate number of participants with missing data for each variable of interest	Page11-12/Line14-2	Results/Paragraph1
	(c) Cohort study —Summarise follow-up time (eg, average and total amount)	Page11-12/Line14-2	Results/Paragraph1
15*	Cohort study – Report numbers of outcome events or summary measures over time	Page12/Line3-15	Results/Paragraph2-3
	Case-control study – Report numbers in each exposure category, or summary measures of exposure	Page12/Line3-15	Results/Paragraph2-3
	Cross-sectional study – Report numbers of outcome events or summary measures	Page12/Line3-15	Results/Paragraph2-3
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	Page12/Line3-15	Results/Paragraph2-3
	(b) Report category boundaries when continuous variables were categorized	Page12/Line3-15	Results/Paragraph2-3
	(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	Page12/Line3-15	Results/Paragraph2-3
17	Report other analyses done-eg analyses of subgroups and interactions, and sensitivity analyses	Page12/Line3-15	Results/Paragraph2-3
18	Summarise key results with reference to study objectives	Page15/Line7-12	Discussion/Paragraph1
19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction	Page16/Line1-8	Discussion/Paragraph2
	13* 14* 15* 16 17 18	13* Cohort study – If applicable, explain how loss to follow-up was addressed (a) Cohort study – If applicable, explain how loss to follow-up was addressed Case-control study – If applicable, explain how matching of cases and controls was addressed Case-control study – If applicable, explain how matching of cases and controls was addressed Case-control study – If applicable, explain how matching of cases and controls was addressed Case-control study – If applicable, describe analytical methods taking account of sampling strategy (e) Describe any sensitivity analyses 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 analysed (b) Give reasons for non-participation at each stage (c) Consider use of a flow diagram 14* (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders (b) Indicate number of participants with missing data for each variable of interest (c) Cohort study – Report numbers of outcome events or summary measures over time Case-control study – Report numbers of outcome events or summary measures of exposure Cross-sectional study – Report numbers of outcome events or summary measures 16 (a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adj	10 Explain how missing data were addressed Page10-11/Line17-10 (c) Explain how missing data were addressed Page10-11/Line17-10 (d) Cohort study — If applicable, explain how loss to follow-up was addressed Page10-11/Line17-10 (d) Cohort study — If applicable, explain how matching of cases and controls was addressed Page10-11/Line17-10 (e) Describe any sensitivity analyses Page10-11/Line17-10 (f) 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 analysed Page11-12/Line14-2 (h) Give reasons for non-participation at each stage Page11-12/Line14-2 (c) Consider use of a flow diagram 14" (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and page11-12/Line14-2 Page11-12/Line14-2 (c) Cohort study—Report numbers of outcome events or summary measures or exposure Page12/Line14-2 (e) Indicate number of participants with missing data for each variable of interest Page12/Line14-2 (f) Cohort study—Report numbers of outcome events or summary measures of exposure Page12/Line14-2 (f) Cohort study—Report numbers of outcome events or summary measures of exposure Page12/Line3-15 (f) Cohort study—Report numbers of outcome events or summary measures of exposure Page12/Line3-15

Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Page14-15/Line15-7	Discussion/Paragraph1			
Generalisability	21	Discuss the generalisability (external validity) of the study results	Page15/Line12-17	Discussion/Paragraph1			
Other information							
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	Page3/Line4-10	Title page			

*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at http://www.plosmedicine.org/, Annals of Internal Medicine at http://www.annals.org/, and Epidemiology at http://www.epidem.com/). Information on the STROBE Initiative is available at www.strobe-statement.org.

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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.