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/line32	Abstract/paragraph2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Page2/line38-52	Abstract/paragraph3
Introduction				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	Page3/line69-80	Introduction/paragraph1
Objectives	3	State specific objectives, including any prespecified hypotheses	Page3/line80-85	Introduction/paragraph1
Methods				
Study design	4	Present key elements of study design early in the paper	Page3/line90-102	Methods/paragraph1
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Page4/line125-132	Methods/paragraph4
Participants	6	<ul> <li>(a) Cohort study – Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up</li> <li>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</li> <li>Cross-sectional study – Give the eligibility criteria, and the sources and methods of selection of participants</li> </ul>	Page3/line90-102	Methods/paragraph1
		(b) <b>Cohort study</b> —For matched studies, give matching criteria and number of exposed and unexposed <b>Case-control study</b> —For matched studies, give matching criteria and the number of controls per case	N/A	not needed
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Page5/line136-137	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	Page5/line147-151	Methods/paragraph7
Bias	9	Describe any efforts to address potential sources of bias	Page5/line141-143	Methods/paragraph6
Study size	10	Explain how the study size was arrived at	Page3/line90-102	Methods/paragraph1
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Page5/line147-151	Methods/paragraph7

## 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	Page5/line147-151	Methods/paragraph7
	(b) Describe any methods used to examine subgroups and interactions	Page5/line147-151	Methods/paragraph7
	(c) Explain how missing data were addressed	Page5/line147-151	Methods/paragraph7
	(d) <b>Cohort study</b> —If applicable, explain how loss to follow-up was addressed <b>Case-control study</b> —If applicable, explain how matching of cases and controls was addressed <b>Cross-sectional study</b> —If applicable, describe analytical methods taking account of sampling strategy	Page5/line147-151	Methods/paragraph7
	(e) Describe any sensitivity analyses	N/A	Not needed
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	N/A	Not needed
	(b) Give reasons for non-participation at each stage	N/A	Not needed
	(c) Consider use of a flow diagram	N/A	Not needed
14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	N/A	Not needed
	(b) Indicate number of participants with missing data for each variable of interest	N/A	Not needed
	(c) <b>Cohort study</b> —Summarise follow-up time (eg, average and total amount)	N/A	Not needed
15*	Cohort study – Report numbers of outcome events or summary measures over time	N/A	Not needed
	Case-control study – Report numbers in each exposure category, or summary measures of exposure	Page5-6/line157-189	Outcomes/paragraph1-4
	Cross-sectional study – Report numbers of outcome events or summary measures	N/A	Not needed
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	N/A	Not needed
	(b) Report category boundaries when continuous variables were categorized	N/A	Not needed
	(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	N/A	Not needed
17	Report other analyses done-eg analyses of subgroups and interactions, and sensitivity analyses	N/A	Not needed
- <u>.</u>			
18	Summarise key results with reference to study objectives	Page6-7/line193-207	Discussion/paragraph1
19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	Page8/line241-246	Discussion/paragraph4
	13* 14* 15* 16 17 18	13*       (b) Describe any methods used to examine subgroups and interactions         (c) Explain how missing data were addressed       (c) Explain how missing data were addressed         (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         (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       (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         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         17       Report category boundaries when continuous variables were categorized         18       Summarise key results with reference to study objectives         19       Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction	(b) Describe any methods used to examine subgroups and interactions         Page5/line147-151           (c) Explain how missing data were addressed         Page5/line147-151           (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, explain how matching of cases and controls was addressed         Page5/line147-151           (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         N/A           (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         N/A           (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders         N/A           (b) Indicate number of participants (eg demographic, clinical, social) and information on exposures and potential confounders         N/A           (b) Indicate number of participants with missing data for each variable of interest         N/A           (c) Cohort study—Report numbers of outcome events or summary measures over time         N/A           (f) a low 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         N/A           (a) Give unadjust

Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Page8/line241-246	Discussion/paragraph4			
Generalisability	21	Discuss the generalisability (external validity) of the study results	Page7/line208-233	Discussion/paragraph2			
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	Page8/line255	Discussion/paragraph7			

\*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.