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	Page3/line49	Abstract/Para2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Page3-4/line49-69	Abstract/Para2-4
Introduction				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	Page5-6/line73-101	Introduction/Para1-3
Objectives	3	State specific objectives, including any prespecified hypotheses	Page6/line102-104	Introduction/Para4
Methods				
Study design	4	Present key elements of study design early in the paper	Page7/line108-118	Methods/Para1
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Page7-8/line108-140	Methods/Para1-5
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 	Page7-8/line108-140	Methods/Para1-5
		(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	Page7-8/line108-140	Methods/Para1-5
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Page7-8/line108-140	Methods/Para1-5
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	Page7-8/line108-140	Methods/Para1-5
Bias	9	Describe any efforts to address potential sources of bias	Page7-8/line108-140	Methods/Para1-5
Study size	10	Explain how the study size was arrived at	Page7-8/line108-140	Methods/Para1-5
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Page7-8/line108-140	Methods/Para1-5

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	Page8-9/line143-154	Methods/Para6
	(b) Describe any methods used to examine subgroups and interactions	Page8-9/line143-154	Methods/Para6
	(c) Explain how missing data were addressed	Page8-9/line143-154	Methods/Para6
	(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	Page8-9/line143-154	Methods/Para6
	(e) Describe any sensitivity analyses	Page8-9/line143-154	Methods/Para6
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	Page10/line157-160	Results/Para1
	(b) Give reasons for non-participation at each stage	Page10/line157-160	Results/Para1
	(c) Consider use of a flow diagram	Page10/line157-160	Results/Para1
14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	Page10/line160-167	Results/Para1
	(b) Indicate number of participants with missing data for each variable of interest	Page10/line160-167	Results/Para1
	(c) Cohort study —Summarise follow-up time (eg, average and total amount)	Page10/line160-167	Results/Para1
15*	Cohort study—Report numbers of outcome events or summary measures over time	Page10-11/line168-179	Results/Para2-3
	Case-control study—Report numbers in each exposure category, or summary measures of exposure	Page10-11/line168-179	Results/Para2-3
	Cross-sectional study—Report numbers of outcome events or summary measures	Page10-11/line168-179	Results/Para2-3
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	Page11-13/line182-225	Results/Para4-9
	(b) Report category boundaries when continuous variables were categorized	Page11-13/line182-225	Results/Para4-9
	(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	Page11-13/line182-225	Results/Para4-9
17	Report other analyses done-eg analyses of subgroups and interactions, and sensitivity analyses	Page13/line226-231	Results/Para10
18	Summarise key results with reference to study objectives	Page14/line233-239	Discussion/Para1
19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	Page17/line298-315	Discussion/ Para5
	13* 14* 15* 16 17 18	(b) Describe any methods used to examine subgroups and interactions (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 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 in each exposure category, or summary measures of exposure Cross-sectional study—Report numbers in each exposure category, 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 (b) Report category boundaries when continuous variables were categorized (c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period <td>(b) Describe any methods used to examine subgroups and interactions Page8-9/line143-154 (c) Explain how missing data were addressed Page8-9/line143-154 (d) Cohort study—If applicable, explain how loss to follow-up was addressed Cross-sectional 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 Page8-9/line143-154 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 Page10/line157-160 (a) Report numbers of individuals at each stage Page10/line157-160 Page10/line157-160 (b) Give reasons for non-participation at each stage Page10/line157-160 Page10/line157-160 14* (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders Page10/line160-167 (b) Indicate number of participants with missing data for each variable of interest Page10/line160-167 (c) Cohort study—Report numbers of outcome events or summary measures of exposure Page10/line168-179 Cohort study—Report numbers in each exposure category, or summary measures Page10-11/line168-179 Cross-sectional study—Report numbers of outcome events or summary measures Page10-11/line168-179 </td>	(b) Describe any methods used to examine subgroups and interactions Page8-9/line143-154 (c) Explain how missing data were addressed Page8-9/line143-154 (d) Cohort study—If applicable, explain how loss to follow-up was addressed Cross-sectional 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 Page8-9/line143-154 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 Page10/line157-160 (a) Report numbers of individuals at each stage Page10/line157-160 Page10/line157-160 (b) Give reasons for non-participation at each stage Page10/line157-160 Page10/line157-160 14* (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders Page10/line160-167 (b) Indicate number of participants with missing data for each variable of interest Page10/line160-167 (c) Cohort study—Report numbers of outcome events or summary measures of exposure Page10/line168-179 Cohort study—Report numbers in each exposure category, or summary measures Page10-11/line168-179 Cross-sectional study—Report numbers of outcome events or summary measures Page10-11/line168-179

Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Page14-16/line240-297	Discussion/ Para2-4			
Generalisability	21	Discuss the generalisability (external validity) of the study results	Page15-16/line266-281	Discussion/ Para3			
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	Page18/line329-330	Funding/Para1			

*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 copy editing and may not be referable in the published version. In this case, the section/ paragraph may be used as an alternative reference.