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	Page 1-2/Line 27-34	Abstracts /Paragraph 2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Page 1-2/Line 23-57	Abstracts /Paragraph 1-4
Introduction				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	Page 2-3/Line 62-114	Introduction /Paragraph 1-3
Objectives	3	State specific objectives, including any prespecified hypotheses	Page 4/Line 109-114	Introduction /Paragraph 3
Methods				
Study design	4	Present key elements of study design early in the paper	Page 3-4/Line 123-134	Methods/Paragraph 2
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Page 3/Line 117-120	Methods /Paragraph 1
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>	Page 3/Line 117-120	Methods /Paragraph 1
		(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	ŴA	NA
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Page 3-4/Line 123-135	Methods /Paragraph 2
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	Page 4/Line 142-143	Methods /Paragraph 4
Bias	9	Describe any efforts to address potential sources of bias	Page 4/Line 142-143	Methods /Paragraph 4
Study size	10	Explain how the study size was arrived at	Page 5/Line 145-146	Methods/Paragraph 5
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Page 5/Line 145-146	Methods/Paragraph 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	Page 5/Line 145-146	Methods/Paragraph 5
	(b) Describe any methods used to examine subgroups and interactions	Page 4/Line 137-140	Methods /Paragraph 3
	(c) Explain how missing data were addressed	Page 4/Line 142-143	Methods /Paragraph 4
	(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	Page 4/Line 142-143	Methods /Paragraph 4
	(e) Describe any sensitivity analyses	Page 5/Line 145-146	Methods/Paragraph 5
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	Page 5/Line 148-165	Results /Paragraph 1
	(b) Give reasons for non-participation at each stage	N/A	N/A
	(c) Consider use of a flow diagram	N/A	N/A
14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	Page 5/Line 148-165	Results /Paragraph 1
	(b) Indicate number of participants with missing data for each variable of interest	N/A	N/A
	(c) <b>Cohort study</b> —Summarise follow-up time (eg, average and total amount)	Ŋ∕A	N/A
15*	Cohort study-Report numbers of outcome events or summary measures over time	Ŋ∕A	N/A
	Case-control study-Report numbers in each exposure category, or summary measures of exposure	N/A	N/A
	Cross-sectional study-Report numbers of outcome events or summary measures	Page 5/Li ne 148-165	Results /Par agr aph 1
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	Page 6/Line 175-177	Results /Paragraph 3
	(b) Report category boundaries when continuous variables were categorized	Page 5/Line 148-165	Results /Paragraph 1
	(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	Page 6/Line 175-177	Results /Paragraph 3
17	Report other analyses done-eg analyses of subgroups and interactions, and sensitivity analyses	N/A	N/A
18	Summarise key results with reference to study objectives	Page 9/Line 262-271	Discussion /Paragraph 8
19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction	N/A	N/A
	14* 15* 16 17 18	(c) Explain how missing data were addressed         (c) 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         (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—Summarise follow-up time (eg, average and total amount)         15*       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 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         17       Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses <td>C:       Explain how missing data were addressed       Page 4/Line 142-143         (c)       Explain how missing data were addressed       Page 4/Line 142-143         (c)       Cohort study—If applicable, explain how loss to follow-up was addressed       Page 4/Line 142-143         (c)       Cohort study—If applicable, explain how matching of cases and controls was addressed       Page 4/Line 142-143         (e)       Describe any sensitivity analyses       Page 5/Line 145-146         13"       (a)       Report numbers of individuals at each stage of study—eq numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed       N/A         (b)       Give reasons for non-participation at each stage       N/A         (c)       Consider use of a flow diagram       N/A         (d)       Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders       Page 5/Line 148-165         (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       NA         Case-control study—Report numbers of outcome events or summary measures of exposure       N/A         (f)       Gehort study—Report numbers of outcome events or summary measures of exposure       N/A</td>	C:       Explain how missing data were addressed       Page 4/Line 142-143         (c)       Explain how missing data were addressed       Page 4/Line 142-143         (c)       Cohort study—If applicable, explain how loss to follow-up was addressed       Page 4/Line 142-143         (c)       Cohort study—If applicable, explain how matching of cases and controls was addressed       Page 4/Line 142-143         (e)       Describe any sensitivity analyses       Page 5/Line 145-146         13"       (a)       Report numbers of individuals at each stage of study—eq numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed       N/A         (b)       Give reasons for non-participation at each stage       N/A         (c)       Consider use of a flow diagram       N/A         (d)       Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders       Page 5/Line 148-165         (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       NA         Case-control study—Report numbers of outcome events or summary measures of exposure       N/A         (f)       Gehort study—Report numbers of outcome events or summary measures of exposure       N/A

Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Page 7-9/Line 180-271	Discussion /Paragraph 1-8			
Generalisability	21	Discuss the generalisability (external validity) of the study results	Page 9/Line 272-283	Discussion /Paragraph 9			
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	N/A	N/A			

\*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.