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	page2/43~66	abstract/paragragh1
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	page2/43~66	abstract/paragragh1
Introduction				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	page3/75~87	introduction/paragragh1
Objectives	3	State specific objectives, including any prespecified hypotheses	page3/88~94	introduction/paragragh2
Methods				
Study design	4	Present key elements of study design early in the paper	Pgge3/100~103	methods/paragragh1
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Pgge3/100~103	methods/paragragh1
Participants	6	<ul> <li>(a) <i>Cohort study</i>—Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up</li> <li><i>Case-control study</i>—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><i>Cross-sectional study</i>—Give the eligibility criteria, and the sources and methods of selection of participants</li> </ul>	Pgge3/100~103	methods/paragragh1
		(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	NA	NA
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	page4/103~109	methods/paragragh1
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	page4/103~106	methods/paragragh1
Bias	9	Describe any efforts to address potential sources of bias	page4/103~106	methods/paragragh1
Study size	10	Explain how the study size was arrived at	Pgge3/100~103	methods/paragragh1
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	page4/103~106	methods/paragragh1

## 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	page4/113~119	methods/paragraph 2
	(b) Describe any methods used to examine subgroups and interactions	page4/113~119	methods/paragraph 2
	(c) Explain how missing data were addressed	page4/118~119	methods/paragraph 2
	(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	page4/113~119	methods/paragraph 2
	(e) Describe any sensitivity analyses	page4/115~119	methods/paragraph 2
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	page4/125~126	results/paragraph 1
	(b) Give reasons for non-participation at each stage	NAa	NA
	(c) Consider use of a flow diagram	NA	NA
14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	page4/125~131	results/paragraph 1
	(b) Indicate number of participants with missing data for each variable of interest	page4/125~131	results/paragraph 1
	(c) <b>Cohort study</b> —Summarise follow-up time (eg, average and total amount)	page4/103~105	methods/paragraph1
15*	Cohort study – Report numbers of outcome events or summary measures over time	page4/128~135	results/paragraph1
	Case-control study – Report numbers in each exposure category, or summary measures of exposure	NA	NA
	Cross-sectional study – Report numbers of outcome events or summary measures	NA	NA
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	NA	NA
	(b) Report category boundaries when continuous variables were categorized	NA	NA
	(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	NA	NA
17	Report other analyses done-eg analyses of subgroups and interactions, and sensitivity analyses	page4/125~132	results/paragraph 1
18	Summarise key results with reference to study objectives	page7/224~226	conclusion/paragraph 6
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 /243~251	conclusion/paragraph 8
	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 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, 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 studyeg 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 studyReport numbers of outcome events or summary measures of exposure         Case-control study - Report numbers of outcome events or summary measures of exposure       Cross-sectional studyReport 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 confo	(b) Describe any methods used to examine subgroups and interactions       page4/113-119         (c) Explain how missing data were addressed       page4/113-119         (c) Explain how missing data were addressed       page4/113-119         (c) Cohort study —If applicable, explain how loss to follow-up was addressed       page4/113-119         (c) Cohort study —If applicable, explain how matching of cases and controls was addressed       page4/113-119         (c) Cohort study —If applicable, explain how matching of cases and controls was addressed       page4/113-119         (d) Describe any sensitivity analyses       page4/113-119         (e) Describe any sensitivity analyses       page4/113-119         (f) Give reasons for non-participation at each stage       NA         (c) Consider use of a flow diagram       NA         14*       (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and page4/125-131       page4/125-131         (c) Cohort study —Report numbers of outcome events or summary measures over time       page4/125-131         (b) Indicate number of participants with missing data for each variable of interest       page4/125-135         Case-control study —Report numbers of outcome events or summary measures of exposure       NA         15*       Cohort study —Report numbers of outcome events or summary measures of exposure       NA         16       (a) Give unadjusted est

Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	page7/221~224	conclusion/paragraph 6			
Generalisability	21	Discuss the generalisability (external validity) of the study results	page8243~251	conclusion/paragraph 8			
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	page7/225	conclusion/paragraph 6			

\*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.