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

	Item No	Recommendation		
Title and abstract	1	(*a*) Indicate the study's design with a commonly used term in the title or the abstract	✓	Page 3 line 14-23
		(*b*) Provide in the abstract an informative and balanced summary of what was done and what was found	✓	Page 3 line 2- Page 4 line 13
Introduction				
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	✓	Page 5 line 22- Page 6 line 2
Objectives	3	State specific objectives, including any prespecified hypotheses	✓	Page 6 line 2-6
Methods				
Study design	4	Present key elements of study design early in the paper	✓	Page 6 line 9- Page 7 line 2
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	✓	Page 6 line 9-20
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	✓	Page 6 line 9-20
		(*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	N/A	
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	✓	Page 7 line 4- Page 8 line 13
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 8 line 7-13
Bias	9	Describe any efforts to address potential sources of bias	✓	Page 6 line 13-19 Page 16 line 19- Page 17 line 6
Study size	10	Explain how the study size was arrived at	✓	Page 6 line 9-20
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	✓	Page 8 line 7-13
Statistical methods	12	(*a*) Describe all statistical methods, including those used to control for confounding	✓	Page 8 line 15-27
		(*b*) Describe any methods used to examine subgroups and interactions	✓	Page 8 line 15-21
		(*c*) Explain how missing data were addressed	✓	Page 8 line 15-27
		(*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	✓	Page 8 line 15-27

		taking account of sampling strategy		
		(*e*) Describe any sensitivity analyses	✓	Page 8 line 15-27
Results				
Participants	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 9 line 1-7
		(b) Give reasons for non-participation at each stage	✓	Page 9 line 2-7 Page 6 line 9-20
		(c) Consider use of a flow diagram	N/A	
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	✓	Page 9 line 2-7
		(b) Indicate number of participants with missing data for each variable of interest	✓	Page 9 line 2-7 Page 6 line 17-18
		(c) *Cohort study*—Summarise follow-up time (eg, average and total amount)	N/A	
Outcome data	15*	*Cohort study*—Report numbers of outcome events or summary measures over time	N/A	
		Case-control study—Report numbers in each exposure category, or summary measures of exposure	N/A	
		Cross-sectional study—Report numbers of outcome events or summary measures	✓	Page 6 line 1-14
Main results	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 10 line 11-Page 11 line 2, Page 11 line 13-26
		(*b*) Report category boundaries when continuous variables were categorized	✓	Page 10 line 11-Page 11 line 2, Page 11 line 13-26
		(*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	✓	Page 10 line 11-Page 11 line 2, Page 11 line 13-26
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	✓	Page 9 line 16-Page 10 line 9, Page 11 line 4-11, Page 11 line 28-Page 12 line 6.
Discussion				
Key results	18	Summarise key results with reference to study objectives	✓	Page 12 line 9-17
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	✓	Page 16 line 19-Page 17 line 9
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	✓	Page 16 line 29-Page 17 line 6
Generalisability	21	Discuss the generalisability (external validity) of the study results	✓	Page 17 line 2-4
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	✓	Page 23 line 11-12

*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.