STROBE Statement—Checklist of items that should be included in reports of ***cross-sectional 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 **[Title; Abstract-Background; Abstract-Methodology/principal findings]**
		(*b*) Provide in the abstract an informative and balanced summary of what was done and what was found **[Abstract-Methodology/principal findings]**
Introduction		
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported **[Introduction-Context, entire section]**
Objectives	3	State specific objectives, including any prespecified hypotheses **[Introduction-Study aim, entire section]**
Methods		
Study design	4	Present key elements of study design early in the paper **[Methods-Study design, entire section]**
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection **[Methods-Setting, entire section; Methods-Participant recruitment, paragraph 2; Methods-Data collection, paragraphs 1 and 3; Results-Characteristics of the study population, entire section; Supplementary Tables 1 and 2]**
Participants	6	(*a*) Give the eligibility criteria, and the sources and methods of selection of participants **[Methods-Participant recruitment, entire section]**
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable **[Methods-Data collection, paragraph 2; Methods-Definitions, entire section]**
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 **[Methods-Data collection, entire section]**
Bias	9	Describe any efforts to address potential sources of bias **[Methods-Data collection, paragraph 1; Methods-Data transcription, translation and analyses, entire section]**
Study size	10	Explain how the study size was arrived at **[Methods-Participant recruitment, paragraph 1]**
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why **[NA]**
Statistical methods	12	(*a*) Describe all statistical methods, including those used to control for confounding [**Methods-Data transcription, translation and analyses, entire section]**
		(*b*) Describe any methods used to examine subgroups and interactions **[NA]**
		(*c*) Explain how missing data were addressed **[NA]**
		(*d*) If applicable, describe analytical methods taking account of sampling strategy **[NA]**
		(*e*) Describe any sensitivity analyses **[NA]**
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 **[Results-Characteristics of the study population, paragraph 1; Results-Table 2; Supplementary Tables 1 and 2]**

		(b) Give reasons for non-participation at each stage **[Results-Characteristics of the study population, paragraph 1]**
		(c) Consider use of a flow diagram
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders **[Results-Characteristics of the study population, entire section; Results-Table 2; Supplementary Tables 1 and 2]**
		(b) Indicate number of participants with missing data for each variable of interest **[NA]**
Outcome data	15*	Report numbers of outcome events or summary measures **[Results-all sections]**
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 **[NA]**
		(*b*) Report category boundaries when continuous variables were categorized **[NA]**
		(*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period **[NA]**
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses **[NA]**
Discussion		
Key results	18	Summarise key results with reference to study objectives **[Discussion-Main findings, entire section]**
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 **[Discussion-Limitations of the study, entire section]**
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence **[Discussion-Strengths, clinical relevance and recommendations of the study, entire section; Discussion-Conclusions, entire section]**
Generalisability	21	Discuss the generalisability (external validity) of the study results **[Discussion-Generalizability of the study, entire section]**
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 **[Financial disclosure section of journal submission form]**

*Give information separately for exposed and unexposed groups.

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.