STROBE Statement—Checklist of items that should be included in reports of ***cross-sectional studies***

	Item No	Declaration	Recommendation
Title and abstract	1	YES	(*a*) Indicate the study's design with a commonly used term in the title or the abstract.
		YES	(*b*) Provide in the abstract an informative and balanced summary of what was done and what was found.
Introduction			
Background/ rationale	2	YES	Explain the scientific background and rationale for the investigation being reported.
Objectives	3	YES	State specific objectives, including any prespecified hypotheses.
Methods			
Study design	4	YES	Present key elements of study design early in the paper.
Setting	5	YES	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection.
Participants	6	YES	(*a*) Give the eligibility criteria, and the sources and methods of selection of participants.
Variables	7	NA	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable.
Data sources/ measurement	8*	YES	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.
Bias	9	YES	Describe any efforts to address potential sources of bias.
Study size	10	YES	Explain how the study size was arrived at.
Quantitative variables	11	YES	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why.
Statistical methods	12	YES	(*a*) Describe all statistical methods, including those used to control for confounding.
		NA	(*b*) Describe any methods used to examine subgroups and interactions.
		YES	(*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.
Results			
Participants	13*	YES	(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.
		YES	(b) Give reasons for non-participation at each stage.
		YES	(c) Consider use of a flow diagram.
Descriptive data	14*	YES	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders.
		Yes	(b) Indicate number of participants with missing data for each variable of interest.
Outcome data	15*	Yes	Report numbers of outcome events or summary measures
Main results	16	NA	(*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

		YES	(*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
Other analyses	17	NA	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses
Discussion			
Key results	18	Yes	Summarise key results with reference to study objectives
Limitations	19	Yes	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias
Interpretation	20	Yes	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence
Generalisability	21	Yes	Discuss the generalisability (external validity) of the study results
Other information			
Funding	22	Yes	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

*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.