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

Describe and preparted Describe and present		Item No	Recommendation	Page No
(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title	1
Introduction Background/rationale Background/rationale Background/rationale Background/rationale State specific objectives, including any prespecified hypotheses Methods Study design 4 Present key elements of study design early in the paper 5 Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection Participants 6 (a) Give the eligibility criteria, and the sources and methods of selection of participants Variables 7 Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable Data sources/ 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 Bias 9 Describe any efforts to address potential sources of bias Study size 10 Explain how the study size was arrived at 11 Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why Statistical methods 12 (a) Describe all statistical methods, including those used to control for confounding (b) Describe any methods used to examine subgroups and interactions (c) Explain how missing data were addressed (d) If applicable, describe analytical methods taking account of sampling strategy (e) Describe any sensitivity analyses 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 (b) Give reasons for non-participants (eg demographic, clinical, social) and information on exposures and potential confounders (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 (b) Indicate number of participants with missing data for each variable of i			or the abstract	
Introduction Background/rationale 2			(b) Provide in the abstract an informative and balanced summary of	1
Background/rationale 2			what was done and what was found	
Describe and presented	Introduction			
Methods	Background/rationale	2		1,2,3
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(b) Indicate number of participants with missing data for each variable of interest	Descriptive data	14*		6
of interest				
Outcome data 15* Report numbers of outcome events or summary measures 6,				N/A
	Outcome data	15*	Report numbers of outcome events or summary measures	6,7

Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted	Table 1
		estimates and their precision (eg, 95% confidence interval). Make clear	and 2
		which confounders were adjusted for and why they were included	
		(b) Report category boundaries when continuous variables were	Table 1
		categorized	and 2
		(c) If relevant, consider translating estimates of relative risk into	N/A
		absolute risk for a meaningful time period	
Other analyses	17	Report other analyses done—eg analyses of subgroups and	N/A
-		interactions, and sensitivity analyses	
Discussion			
Key results	18	Summarise key results with reference to study objectives	4,5,6
Limitations	19	Discuss limitations of the study, taking into account sources of	6
		potential bias or imprecision. Discuss both direction and magnitude of	
		any potential bias	
Interpretation	20	Give a cautious overall interpretation of results considering objectives,	6,7
		limitations, multiplicity of analyses, results from similar studies, and	
		other relevant evidence	
Generalisability	21	Discuss the generalisability (external validity) of the study results	6,7
Other information			
Funding	22	Give the source of funding and the role of the funders for the present	8
		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.