

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
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found
	Introduction	
✓	Background/rationale	2
✓	Objectives	3
	Methods	
✓	Study design	4
✓	Setting	5
✓	Participants	6
✓	Variables	7
✓	Data sources/ measurement	8*
✓	Bias	9
✓	Study size	10
✓	Quantitative variables	11
✓	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-participation at each stage
		(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 interest
✓	Outcome data	15*
✓	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
✓		(b) Report category boundaries when continuous variables were categorized
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a

meaningful time period

	Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses
Discussion			
✓	Key results	18	Summarise key results with reference to study objectives
✓	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
✓	Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence
✓	Generalisability	21	Discuss the generalisability (external validity) of the study results
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

*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.