

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

	Item No	Recommendation	Page No	Paragraph and section in the manuscript
Title and abstract	1	a) Indicate the study’s design with a commonly used term in the title or the abstract	1&2	Abstract-methods paragraph 1
		b) Provide in the abstract an informative and balanced summary of what was done and what was found.	1&2	Abstract –Methods & Results Paragraph 3&4.
Introduction				
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	3&4	Background, paragraph 4
Objectives	3	State specific objectives, including any pre specified hypotheses	4	Background, paragraph 4
Methods				
Study design	4	Present key elements of study design early in the paper	4	Study design-paragraph 1
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	4&5	Study area- paragraph 1
Participants	6	(a) Give the eligibility criteria, and the sources and methods of selection of participants	5&6	Sampling technique, paragraph 1
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable		Not applicable
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		Not applicable
Bias	9	Describe any efforts to address potential sources of bias	12	Strength and limitation of the study- paragraph 1&2
Study size	10	Explain how the study size was arrived at	5	Sample size determination- paragraph 1&2
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	7	Data analysis- paragraph 1
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	7	Data analysis- paragraph 1

		(b) Describe any methods used to examine subgroups and interactions		Not applicable
		(c) Explain how missing data were addressed	7	Data analysis-paragraph 1
		(d) If applicable, describe analytical methods taking account of sampling strategy		Not applicable
		(e) Describe any sensitivity analyses	7	Data analysis
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		Not applicable
		(b) Give reasons for non-participation at each stage		Not applicable
		(c) Consider use of a flow diagram		Not applicable
Descriptive data	14*	(a) Give characteristics of study participants (eg. demographic, clinical, social) and information on exposures and potential confounders		Not applicable
		(b) Indicate number of participants with missing data for each variable of interest		Not applicable
Outcome data	15*	Report numbers of outcome events or summary measures		Not applicable
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	10	Factors associated with breast self-examination practice, paragraph 1
		(b) Report category boundaries when continuous variables were categorized	10	Factors associated with breast self-examination practice, paragraph 1
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period		Not applicable
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses		Not applicable
Discussion				
Key results	18	Summarise key results with reference to study objectives	11&12	Discussion, paragraph 3 &4
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and	12	Limitation and strength of the study, paragraph 1&2

		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	11&12	Discussion, paragraph 1-4
Generalisability	21	Discuss the generalisability (external validity) of the study results	12	Limitation and strength of the study, paragraph 1&2
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	14	Funding- Paragraph 1

*Give information separately for exposed and unexposed groups.