

STROBE Statement—checklist of items that should be included in reports of observational studies

	Item No.	Recommendation	Page /Line No.	Reported on Section /Paragraph
<b>Title and abstract</b>	1	(a) Indicate the study’s design with a commonly used term in the title or the abstract	Page4/Line40	Abstract/ 2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Page4-5/Line39-79	Abstract/ 2-3
<b>Introduction</b>				
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	Page7-9/Line111-269	Introduction/1
Objectives	3	State specific objectives, including any prespecified hypotheses	Page9/Line269-273	Introduction/1
<b>Methods</b>				
Study design	4	Present key elements of study design early in the paper	Page10/Line280-282	Methods/1
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Page10/Line280-282	Methods/1
Participants	6	(a) <i>Cohort study</i> —Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up <i>Case-control study</i> —Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls <i>Cross-sectional study</i> —Give the eligibility criteria, and the sources and methods of selection of participants	Page10-11/Line282-336	Methods/1
		(b) <i>Cohort study</i> —For matched studies, give matching criteria and number of exposed and unexposed <i>Case-control study</i> —For matched studies, give matching criteria and the number of controls per case	Not a match study.	Not a match study.
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Page10-12/Line293-370	Methods/1-3
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	Page10-12/Line293-370	Method/1-3
Bias	9	Describe any efforts to address potential sources of bias	Page11/Line 332-336	Methods/1
Study size	10	Explain how the study size was arrived at	Page11/Line333-336	Methods/1

Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Page12/Line373-374	Methods/4
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	Page12-13/Line375-384	Methods/4
		(b) Describe any methods used to examine subgroups and interactions	Page12-13/Line375-384	Methods/4
		(c) Explain how missing data were addressed	Page12-13/Line375-384	Methods/4
		(d) <i>Cohort study</i> —If applicable, explain how loss to follow-up was addressed <i>Case-control study</i> —If applicable, explain how matching of cases and controls was addressed <i>Cross-sectional study</i> —If applicable, describe analytical methods taking account of sampling strategy	Page12-13/Line375-384	Methods/4
		(e) Describe any sensitivity analyses	N/A	There was no
<b>Results</b>				
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	N/A	<i>This was a Cross-sectional study</i>
		(b) Give reasons for non-participation at each stage	NA	<i>This was a Cross-sectional study</i>
		(c) Consider use of a flow diagram	NA	A diagram is unnecessary because the procedure is simple and has been clearly stated in the manuscript
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	Page14-15/Line 389-416	Results/ 1 (Table 1)
		(b) Indicate number of participants with missing data for each variable of interest	Page10-11/Line292-336	Methods/1
		(c) <i>Cohort study</i> —Summarise follow-up time (eg, average and total amount)	N/A	This was a cross-sectional study
Outcome data	15*	<i>Cohort study</i> —Report numbers of outcome events or summary measures over time	<i>Not Cohort study</i>	
		<i>Case-control study</i> —Report numbers in each exposure category, or summary measures of exposure	<i>Not Case-control study</i>	
		<i>Cross-sectional study</i> —Report numbers of outcome events or summary measures	Page15-17/Line417-477	Results/2-5

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	Page 16-17/Line443-463	Results/4
		(b) Report category boundaries when continuous variables were categorized	Page 16-17/Line 443-463	Results/4
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	N/A	We did not calculate relative risk.
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	Page16-17/Line 443-463	Results/4
<b>Discussion</b>				
Key results	18	Summarise key results with reference to study objectives	Page18/Line494-502	Discussion/1
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	Page24/Line651-659	Discussion/8
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Page18-23/Line503-637	Discussion/2-6
Generalisability	21	Discuss the generalisability (external validity) of the study results	Page24/Line 651-659	Discussion/8
<b>Other information</b>				
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	Page2/Line25-27	Title page/Funding

\*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

**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](http://www.strobe-statement.org).

Article information: <http://dx.doi.org/10.21037/atm-20-6344>

\*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copy editing and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.