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

Section/item	Item No	Recommendation	Reported on Page Number/Line Number	Reported on Section/Paragraph
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	Page2 Line10	Abstract/paragraph 2-3
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Page2 Line16	Abstract/paragraph 3-4
Introduction				ı
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	Page3 Line11	Introduction/paragraph 1-2
Objectives			Page5 Line4	Method/ paragraph 2-3
Methods				
Study design	4	Present key elements of study design early in the paper	Page5 Line2	Method /paragraph 4-5
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Page4 Line24	Method /paragraph 1-2
Participants	6	(a) Cohort study —Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up Case-control study —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 Cross-sectional study —Give the eligibility criteria, and the sources and methods of selection of participants	Page5 Line2 N/A N/A	Method /paragraph 2- 4-6 N/A N/A
		(b) Cohort study —For matched studies, give matching criteria and number of exposed and unexposed Case-control study —For matched studies, give matching criteria and the number of controls per case	Page5 Line27	Method /paragraph 4-5

Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Page7 Line8	Result/paragraph 2-4
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	Page6 Line6	Method /paragraph 1-2
Bias	9	Describe any efforts to address potential sources of bias	Page8 Line27	Result/paragraph 4-5
Study size	10	Explain how the study size was arrived at	Page5 Line2	Method /paragraph 2-4-6
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Page7 Line1	Method /paragraph 7
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	Page7 Line1	Method /paragraph 7
		(b) Describe any methods used to examine subgroups and interactions	Page7 Line1	Method /paragraph 7
		(c) Explain how missing data were addressed	Page6 Line26	Method /paragraph 6-7
		(d) Cohort study —If applicable, explain how loss to follow-up was addressed Case-control study —If applicable, explain how matching of cases and controls was addressed Cross-sectional study —If applicable, describe analytical methods taking account of sampling strategy	Page6 Line26	Method /paragraph 6-7
		(e) Describe any sensitivity analyses	N/A	N/A
Results			1	
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	Page5 Line27	Result/paragraph 4-5
		(b) Give reasons for non-participation at each stage	N/A	N/A
		(c) Consider use of a flow diagram	N/A	N/A

cate number of participants with missing data for each variable of interest nort study—Summarise follow-up time (eg, average and total amount) study—Report numbers of outcome events or summary measures over time nontrol study—Report numbers in each exposure category, or summary measures of exposure sectional study—Report numbers of outcome events or summary measures	N/A Page8 Line9 Page7 Line18	N/A Result/paragraph 4-5 Result/paragraph 3-4
* study—Report numbers of outcome events or summary measures over time **control study**—Report numbers in each exposure category, or summary measures of exposure		
ontrol study—Report numbers in each exposure category, or summary measures of exposure	Page7 Line18	Result/naragraph 3-4
		1.00000 paragraph 5 4
sectional study—Report numbers of outcome events or summary measures	N/A	N/A
Troport name of sales in a sales	N/A	N/A
e unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% nce interval). Make clear which confounders were adjusted for and why they were included	Page8 Line9	Result/paragraph 4-5
ort category boundaries when continuous variables were categorized	N/A	N/A
levant, consider translating estimates of relative risk into absolute risk for a meaningful time period	N/A	N/A
other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	N/A	N/A
	1	
arise key results with reference to study objectives	Page13 Line11	Conclusion/paragraph 1-2
s limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction gnitude of any potential bias	Page11 Line15	Discussion/paragraph 2-3
Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence		Discussion/paragraph 1-2
	Page10 Line7	Discussion/paragraph 1-2
		ar studies, and other relevant evidence

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	Page13 Line20	Acknowledgments/ paragraph 1
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^{*}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.

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

Updated on April 13, 2020