## 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	Page1/line1	Abstract/Para1
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Page3-4/Line4-27	Abstract/Para1-4
Introduction				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	Page5-6/Line1-29	Introduction/Para1-6
Objectives	3	State specific objectives, including any prespecified hypotheses	Page6/Line2-5	Introduction/Para5
Methods				
Study design	4	Present key elements of study design early in the paper	Page7/Line1-10	Methods/Para1
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Page7/Line1-10	Methods/Paral
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	Page7/Line1-10	Methods/Para1
		(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	Page7/Line1-10	Methods/Para1
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Page7-10/Line1-23	Methods/Para1-8
Data sources/ measurement	<b>œ</b>	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	Page7/Line1-10	Methods/Para1
Bias	9	Describe any efforts to address potential sources of bias	Page7/Line1-10	Methods/Para1
Study size	10	Explain how the study size was arrived at	Page7/Line1-10	Methods/Para1
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Page7/Line11-14	Methods/Para2

Statistical	12	(a) Describe all statistical methods, including those used to control for confounding	Page7/Line11-14	Methods/Para2
methods		(b) Describe any methods used to examine subgroups and interactions	Page7/Line11-14	Methods/Para2
		(c) Explain how missing data were addressed	Page7/Line11-14	Methods/Para2
		(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	Page7/Line11-14	Methods/Para2
		(e) Describe any sensitivity analyses	Page7/Line11-14	Methods/Para2
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	Page10/Line7	Results/Para1
		(b) Give reasons for non-participation at each stage	Page10/Line7	Results/Para1
		(c) Consider use of a flow diagram	figure 1	figure 1
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	Page10/Line7	Results/Para1
		(b) Indicate number of participants with missing data for each variable of interest	Page10/Line7	Results/Para1
		(c) <b>Cohort study</b> —Summarise follow-up time (eg, average and total amount)	Page10/Line6-7	Results/Para1
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures over time	Page10/Line6-16	Results/Para1-2
		Case-control study—Report numbers in each exposure category, or summary measures of exposure	n/a	n/a
		Cross-sectional study—Report numbers of outcome events or summary measures	n/a	n/a
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	Page10-11/Line6-23	Results/Para1-6
		(b) Report category boundaries when continuous variables were categorized	Page10-11/Line6-23	Results/Para1-6
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	Page10-11/Line6-23	Results/Para1-6
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	Page10-11/Line6-23	Results/Para1-6
Discussion				
Key results	18	Summarise key results with reference to study objectives	Page12/Line2-14	Discussion/Para1
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	Page15-16/Line19-29	Discussion/Para10

Generalisability	21	21 Discuss the generalisability (external validity) of the study results	Page15/Line9-18	Discussion/Para9
Interpretation	20	tives, limitations, multiplicity of analyses, results	Page12-15/Line15-25	Discussion/Para2-9
Other information				
Out of the contract of the con				
Funding	22	le of the funders for the present study and, if applicable, for the original study	Page17/Line1	Funding Support
		on which the present article is based		

\*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.

annals.org/, and Epidemiology at http://www.epidem.com/). Information on the STROBE Initiative is available at www.strobe-statement.org. 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. Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE

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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.