	Item No	Recommendation
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the
		abstract. Page 2
		(b) Provide in the abstract an informative and balanced summary of what was done
		and what was found Page 2
Introduction		
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported. Page 6
Objectives	3	State specific objectives, including any prespecified hypotheses, Page 6
Methods		Same specific cojectives, metalang any prospectives hypometers, 1 age o
Study design	4	Present key elements of study design early in the paper. Page 7
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment,
	3	exposure, follow-up, and data collection Page 7
Participants	6	(a) Cohort study—Give the eligibility criteria, and the sources and methods of
	O	selection of participants. Describe methods of follow-up Page 8,9
		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 N/A
		Cross-sectional study—Give the eligibility criteria, and the sources and methods of
		selection of participants N/A
		(b) Cohort study—For matched studies, give matching criteria and number of
		exposed and unexposed N/A
		Case-control study—For matched studies, give matching criteria and the number of
		controls per case. N/A
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect
		modifiers. Give diagnostic criteria, if applicable. Page 9
Data sources/	8*	For each variable of interest, give sources of data and details of methods of
measurement		assessment (measurement). Describe comparability of assessment methods if there
		is more than one group. Page 7-9
Bias	9	Describe any efforts to address potential sources of bias Page 9
Study size	10	Explain how the study size was arrived at N/A
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable,
		describe which groupings were chosen and why. N/A
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding
		Page 10
		(b) Describe any methods used to examine subgroups and interactions Page 10
		(c) Explain how missing data were addressed Page 8`
		(d) Cohort study—If applicable, explain how loss to follow-up was addressed N/A
		Case-control study—If applicable, explain how matching of cases and controls was
		addressed N/A
		Cross-sectional study—If applicable, describe analytical methods taking account of
		sampling strategy N/A
		(\underline{e}) Describe any sensitivity analyses N/A

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 Page 10	
		(b) Give reasons for non-participation at each stage Page 5	
		(c) Consider use of a flow diagram N/A	
Descriptive	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and informat	
data		on exposures and potential confounders Page 10	
		(b) Indicate number of participants with missing data for each variable of interest Page 10	
		(c) Cohort study—Summarise follow-up time (eg, average and total amount Page 11	
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures over time Page 11	
		Case-control study—Report numbers in each exposure category, or summary measures of	
		exposure N/A	
		Cross-sectional study—Report numbers of outcome events or summary measures 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 Page 11	
		(b) Report category boundaries when continuous variables were categorized Page 11	
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful	
		time period Page 11	
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity	
		analyses Page 11-12	
Discussion			
Key results	18	Summarise key results with reference to study objectives Page 12	
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 Page 15	
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity	
		of analyses, results from similar studies, and other relevant evidence Page 12-13	
Generalisability	21	Discuss the generalisability (external validity) of the study results Page 15	
Other informati	ion		
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 Page 16	

^{*}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.