	Item No	Recommendation		
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract		
		(b) Provide in the abstract an informative and balanced summary of what w	C. C	
		and what was found	as done م	
Introduction				
Background/rationale	2	Explain the scientific background and rationale for the investigation being re-	reported pp. 4-	
Objectives	3	State specific objectives, including any prespecified hypotheses	pp. 4-5	
Methods		Explain the scientific background and rationale for the investigation being a State specific objectives, including any prespecified hypotheses	pp. 6-8	
Study design	4	Present key elements of study design early in the paper		
Setting	5	Describe the setting, locations, and relevant dates, including periods of recreexposure, follow-up, and data collection	66.0	
articipants	6	(a) Cohort study—Give the eligibility criteria, and the sources and methods selection of participants. Describe methods of follow-up Case-control study—Give the eligibility criteria, and the sources and method case ascertainment and control selection. Give the rationale for the choice of and controls	ods of of cases	
		Cross-sectional study—Give the eligibility criteria, and the sources and me selection of participants (b) Cohort study—For matched studies, give matching criteria and number exposed and unexposed Case-control study—For matched studies, give matching criteria and the me controls per case	of	
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, a modifiers. Give diagnostic criteria, if applicable	and effect	
	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods is more than one group.	f . 1	
Data sources/ measurement		is more than one group	if there ff. 7	
measurement	9	is more than one group Describe any efforts to address potential sources of bias		
measurement Bias	9	Describe any efforts to address potential sources of bias	pp.6-8	
Data sources/ measurement Bias Study size Quantitative variables		Describe any efforts to address potential sources of bias	pp.6-8	
measurement Bias Study size	10	Describe any efforts to address potential sources of bias Explain how the study size was arrived at Explain how quantitative variables were handled in the analyses. If applicate describe which groupings were chosen and why (a) Describe all statistical methods, including those used to control for control Describe any methods used to examine subgroups and interactions	ρρ.6-8 2.6 ble, ρ.8	
Bias Study size Quantitative variables	10 11	Describe any efforts to address potential sources of bias Explain how the study size was arrived at Explain how quantitative variables were handled in the analyses. If applicate describe which groupings were chosen and why (a) Describe all statistical methods, including those used to control for control (b) Describe any methods used to examine subgroups and interactions (c) Explain how missing data were addressed	ρρ. 6 - 8 ble, ρ. 8 founding ρ. 8	
Bias Study size Quantitative variables	10 11	Describe any efforts to address potential sources of bias Explain how the study size was arrived at Explain how quantitative variables were handled in the analyses. If applicate describe which groupings were chosen and why (a) Describe all statistical methods, including those used to control for control (b) Describe any methods used to examine subgroups and interactions (c) Explain how missing data were addressed (d) Cohort study—If applicable, explain how loss to follow-up was addressed Case-control study—If applicable, explain how matching of cases and contaddressed Cross-sectional study—If applicable, describe analytical methods taking and addressed	pp. 6 - 8 pble, p. 8 founding p. 8 sed trols was	
Bias Study size Quantitative variables	10 11	Describe any efforts to address potential sources of bias Explain how the study size was arrived at Explain how quantitative variables were handled in the analyses. If applicate describe which groupings were chosen and why (a) Describe all statistical methods, including those used to control for contol (b) Describe any methods used to examine subgroups and interactions (c) Explain how missing data were addressed (d) Cohort study—If applicable, explain how loss to follow-up was addressed Case-control study—If applicable, explain how matching of cases and contaddressed	pp. 6 - 8 pble, p. 8 founding p. 8 sed trols was	

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		
		(b) Give reasons for non-participation at each stage		
		(c) Consider use of a flow diagram		
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and inform on exposures and potential confounders	0	
		(b) Indicate number of participants with missing data for each variable of interest	p. 8	
		(c) Cohort study—Summarise follow-up time (eg, average and total amount)	5 - 8	
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures over time	0.8	
		Case-control study—Report numbers in each exposure category, or summary measures of exposure	i i	
		Cross-sectional study-Report numbers of outcome events or summary measures		
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 why they were included	and	
		(b) Report category boundaries when continuous variables were categorized		
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meani time period		
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	PP	
Discussion				
Key results	18	Summarise key results with reference to study objectives	10-	
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	on.P.	
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multip	licity	
		of analyses, results from similar studies, and other relevant evidence	ρ.	
Generalisability	21	Discuss the generalisability (external validity) of the study results	·*	
Other informat	ion	N/	A (6	
Funding	22	Give the source of funding and the role of the funders for the present study and, if application for the original study on which the present article is based	ble,	

^{*}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.