Title and abstract (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 p.1-2 what was done and what was found Introduction Background/ratio 2 Explain the scientific background and rationale for the investigation p.3 and being reported Objectives 3 State specific objectives, including any prespecified hypotheses p.3. Methods Study design 4 Present key elements of study design early in the paper p.4 Setting 5 Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection 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 selection of participants. Describe methods of follow-up Case-control study—Give the eligibility criteria, and the sources and methods of selection of participants (b) Cohort study—For matched studies, give matching criteria and methods of selection of participants (b) Cohort study—For matched studies, give matching criteria and member of exposed and unexposed Case-control study—For matched studies, give matching criteria and member of exposed and unexposed Case-control study—For matched studies, give matching criteria and member of exposed and unexposed Case-control study—For matched studies, give matching criteria and member of exposed and unexposed Case-control study—For matched studies, give matching criteria and member of exposed and unexposed Case-control study—For matched studies, give matching criteria and methods of salescent of participants (b) Cohort study—For matched studies, give matching criteria and methods of assessment (measurement). Describe comparability of methods of assessment methods if there is more than one group Bias Bias Data sources/ S* For each variable of interest, give sources of data and details of method		Item No	Recommendation	# page
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(b) Provide in the abstract an informative and balanced summary of what was done and what was found p.1-2		_		P** -
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taking account of sampling strategy				
(-,			(e) Describe any sensitivity analyses	p.6

Results

Results			
Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers	p.7
		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	p.7
		(c) Consider use of a flow diagram	p.19 (Fig. 1)
Descriptive	14*	(a) Give characteristics of study participants (eg demographic, clinical,	p.7, p.17
data		social) and information on exposures and potential confounders	(Table 1)
		(b) Indicate number of participants with missing data for each variable of	p.17 (Table 1
		interest	
		(c) Cohort study—Summarise follow-up time (eg, average and total	p.7
		amount)	
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures	p.7, p.19
		over time	(Fig.2B)
		Case-control study—Report numbers in each exposure category, or	
		summary measures of exposure	
		Cross-sectional study—Report numbers of outcome events or summary	
		measures	
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted	p.7-8, p.18
		estimates and their precision (eg, 95% confidence interval). Make clear	(Table 2)
	,	which confounders were adjusted for and why they were included	
		(b) Report category boundaries when continuous variables were	p.7
	•	categorized	
		(c) If relevant, consider translating estimates of relative risk into absolute	NA
		risk for a meaningful time period	
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions,	p.7-8
		and sensitivity analyses	
Discussion			
Key results	18	Summarise key results with reference to study objectives	p.9-10
Limitations	19	Discuss limitations of the study, taking into account sources of potential	p.11
		bias or imprecision. Discuss both direction and magnitude of any	
		potential bias	
Interpretation	20	Give a cautious overall interpretation of results considering objectives,	p.9-12
		limitations, multiplicity of analyses, results from similar studies, and	
		other relevant evidence	
Generalisability	21	Discuss the generalisability (external validity) of the study results	p.9, 11
Other information	n		
Funding	22	Give the source of funding and the role of the funders for the present	p.12
		study and, if applicable, for the original study 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.

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.