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

	Item No.	Recommendation	Page No.
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	Title Page, 2
		(b) Provide in the abstract an informative and	2
		balanced summary of what was done and what was	2
		found	
Introduction		Tourie	
Background/rationale	2	Explain the scientific background and rationale for	3
Č		the investigation being reported	
Objectives	3	State specific objectives, including any prespecified	3
v		hypotheses	
Methods			
Study design	4	Present key elements of study design early in the	4,5
Cattina	5	Describe the setting, locations, and relevant dates,	4,5
Setting	3		4,3
		including periods of recruitment, exposure, follow-	
D .: : .		up, and data collection	4
Participants	6	(a) Cohort study—Give the eligibility criteria, and	4
		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	
		(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	
Variables	7	Clearly define all outcomes, exposures, predictors,	6
		potential confounders, and effect modifiers. Give	
		diagnostic criteria, if applicable	
Data sources/	8*	For each variable of interest, give sources of data	4,5
measurement		and details of methods of assessment (measurement).	Supplementary
		Describe comparability of assessment methods if	methods
		there is more than one group	
Bias	9	Describe any efforts to address potential sources of	4-6
		bias	
Study size	10	Explain how the study size was arrived at	n.a.
		•	

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Quantitative	11	Explain how quantitative variables were handled in the analyses.	6
variables		If applicable, describe which groupings were chosen and why	
Statistical	12	(a) Describe all statistical methods, including those used to	6
methods		control for confounding	
		(b) Describe any methods used to examine subgroups and	n.a.
		interactions	
		(c) Explain how missing data were addressed	n.a.
		(d) Cohort study—If applicable, explain how loss to follow-up	n.a.
		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	
		(e) Describe any sensitivity analyses	n.a.
Results			
Participants	13*	(a) Report numbers of individuals at each stage of study—eg	6-7
T di vi o i p di vi o	10	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	n.a.
		(c) Consider use of a flow diagram	
Descriptive	14*	(a) Give characteristics of study participants (eg demographic,	Table
data		clinical, social) and information on exposures and potential	1
		confounders	_
		(b) Indicate number of participants with missing data for each	n.a.
		variable of interest	
		(c) Cohort study—Summarise follow-up time (eg, average and	
		total amount)	
Outcome	15*	Cohort study—Report numbers of outcome events or summary	n.a.
data		measures over time	
		Case-control study—Report numbers in each exposure category,	n.a.
		or summary measures of exposure	
		Cross-sectional study—Report numbers of outcome events or	n.a.
		summary measures	
Main	16	(a) Give unadjusted estimates and, if applicable, confounder-	
results	-	adjusted estimates and their precision (eg, 95% confidence	
		interval). Make clear which confounders were adjusted for and	
		why they were included	
		(b) Report category boundaries when continuous variables were	
		categorized	
		(c) If relevant, consider translating estimates of relative risk into	
		absolute risk for a meaningful time period	
		account for a meaningful time period	

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Other analyses	17	Report other analyses done—eg analyses of subgroups and	6-8,
		interactions, and sensitivity analyses	Tables
Discussion			
Key results	18	Summarise key results with reference to study objectives	8-11
Limitations	19	Discuss limitations of the study, taking into account sources of	11
		potential bias or imprecision. Discuss both direction and	
		magnitude of any potential bias	
Interpretation	20	Give a cautious overall interpretation of results considering	11
		objectives, limitations, multiplicity of analyses, results from	
		similar studies, and other relevant evidence	
Generalisability	21	Discuss the generalisability (external validity) of the study results	n.a.
Other informati	on		
Funding	22	Give the source of funding and the role of the funders for the	12
		present 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.org.