STROBE statement: Reporting guidelines checklist for cohort, case-control and cross-sectional studies

SECTION	ITEM NUMBER	CHECKLIST ITEM	REPORTED ON PAGE NUMBER:
TITLE AND ABSTRACT			1p
	1a	Indicate the study's design with a commonly used term in the title or the abstract	
	1b	Provide in the abstract an informative and balanced summary of what was done and what was found	
INTRODUCTION			2p
Background and objectives	2	Explain the scientific background and rationale for the investigation being reported	2p
	3	State specific objectives, including any pre-specified hypotheses	
METHODS			5p
Study design	4	Present key elements of study design early in the paper	6p
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	5p
Participants	6a	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	5p
	6b	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	
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	
Data sources/measurements	8*	For each variable of interest, give sources of data and details of methods of assessment	5p,6p

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		(measurement). Describe comparability of assessment methods if there is more than one group.	
Bias	9	Describe any efforts to address potential sources of bias.	
Study size	10	Explain how the study size was arrived at	8p
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why.	8p
Statistical methods	12a	Describe all statistical methods, including those used to control for confounding	11p
	12b	Describe any methods used to examine subgroups and interactions	
	12c	Explain how missing data were addressed	
	12d	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	
	12e	Describe any sensitivity analyses	
RESULTS			12p
Participants	13a	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	12p
	13b	Give reasons for non-participation at each stage	
	13c	Consider use of a flow diagram	
Descriptive Data	14a	Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	**12p**
	14b	Indicate number of participants with missing data for each variable of interest	
	14c	Cohort study—Summarise follow-up time (eg, average and total amount)	
Outcome Data	15*	Cohort study—Report numbers of outcome events or summary measures over time 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	13,14p

SECTION	ITEM NUMBER	CHECKLIST ITEM	REPORTED ON PAGE NUMBER:
Main Results	16a	Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (e.g. 95% confidence interval). Make clear which confounders were adjusted for and why they were included	14p
	16b	Report category boundaries when continuous variables were categorized	
	16c	If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	
	16d	Report results of any adjustments for multiple comparisons	
Other Analyses	17a	Report other analyses done—e.g. analyses of subgroups and interactions, and sensitivity analyses	15p
	17b	If numerous genetic exposures (genetic variants) were examined, summarize results from all analyses undertaken	
	17c	If detailed results are available elsewhere, state how they can be accessed	
DISCUSSION			**20p**
Key Results	18	Summarise key results with reference to study objectives	20p
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	23p
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	
Generalisability	21	Discuss the generalisability (external validity) of the study results Other information	
FUNDING			24p
	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	

*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.