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

Section/item	Item No	Recommendation	Reported on Page Number/Line Number	Reported on Section/Paragraph
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	line 47, page 4	Abstract
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	line 46-48, page 4; Line	Background and
Introduction				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	line 100-102, page 7	paragraph 2 in Introduction section
Objectives	3	State specific objectives, including any prespecified hypotheses	line 110-113, page 7	paragraph 2 in
Methods				
Study design	4	Present key elements of study design early in the paper	line 117, page 7	paragraph 1 in Methods
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	line 122-126, page 8; line 207-208, page 11 and	paragraph 1 and 6 in Methods section
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 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	line 126-133, page 8; line 202-204, page 11	paragraph 1 and 3 in Methods section
		(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	N/A	This is not a matched study
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	line 165-178, page 10	paragraph 4 in Methods section
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	line 167-178, page 10	paragraph 4 in Methods section
Bias	9	Describe any efforts to address potential sources of bias	Line	paragraph 1 in MWA
Study size	10	Explain how the study size was arrived at	line 122-126, page 8	paragraph 1 in Methods
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	line 218, 222, 226-228, page 12	paragraph 7 in Methods

Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	line 217-230, page 12 and	paragraph 7 in Methods
		(b) Describe any methods used to examine subgroups and interactions	line 224-226, page 12	paragraph 7 in Methods
		(c) Explain how missing data were addressed	line 132-133, page 8	paragraph 1 in Methods
		(d) ***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	N/A	This is not a matched study
		(e) Describe any sensitivity analyses	N/A	This study isn't involved
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	line 234-235, page 13	paragraph 1 in Results section
		(b) Give reasons for non-participation at each stage	N/A	This study isn't involved
		(c) Consider use of a flow diagram	line 235, page 13; figure 1	paragraph 1 in Results
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	line 236-245, page 13	paragraph 1 in Results section
		(b) Indicate number of participants with missing data for each variable of interest	line 234, page 13 and	paragraph 1 in Results
		(c) ***Cohort study***—Summarise follow-up time (eg, average and total amount)	line 245, page 13	paragraph 1 in Results
Outcome data	15*	***Cohort study***—Report numbers of outcome events or summary measures over time	line 236-245, page 13; line	paragraph 1, 3-6 in
		Case-control study—Report numbers in each exposure category, or summary measures of exposure	N/A	This isn't a case-control
		Cross-sectional study—Report numbers of outcome events or summary measures	N/A	This isn't a cross-sectional
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	line 234, page 13	paragraph 1 in Results section
		(b) Report category boundaries when continuous variables were categorized	N/A	This study hasn't
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	line 292-294, page 15	paragraph 6 in Results
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	line 284-288, page 15	paragraph 5 in Results
Discussion				
Key results	18	Summarise key results with reference to study objectives	line 297-302, page 16	paragraph 1 in Discussion
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	line 371-378, page 19	paragraph 5 in Discussion section

Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	line 311-319, page 16 and 17; line 297-302, page 16;	paragraph 1-4 in Discussion section
Generalisability	21	Discuss the generalisability (external validity) of the study results	line 375-378, 383-384,	paragraph 4-5 in
Other information				
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	line 390-394, page 21	Acknowledgments section

*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.

Article information: https://dx.doi.org/10.21037/qims-21-1043.
*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.