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

	Item No	Recommendation	Checklist
Title and abstract	1	(*a*) Indicate the study's design with **Title and abstract**	Presented in the title and abstract section of the manuscript (see page 1 to page 3)
		(*b*) Provide in the abstract an informative and balanced summary of what was done and what was found	Presented in the abstract section of the manuscript (see page 2 to page 3)
Introduction			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	Presented in the introduction section of the manuscript (see page 4 to page 6)
Objectives	3	State specific objectives, including any prespecified hypotheses	Presented in the introduction section of the manuscript (see page 6, line 5-10)
Methods			
Study design	4	Present key elements of study design early in the paper	Presented in the study design part, method section of the manuscript (see page 6, line 13-15)
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Periods of recruitment was presented in the study design part, method section of the manuscript (see page 6, Line 13 to 21) setting was presented in the setting and participants part, method section of the manuscript (see page 7, line 1-3) Data collection was presented in the data collection part, method section of the manuscript (see page 8-9)
Participants	6	*Cross-sectional study*—Give the eligibility criteria, and the sources and methods of selection of participants	Presented in the setting and participants part, method section of the manuscript (see page 6, line 19-20; and page 7, line 4-9)
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Presented in the measure part, method section of the manuscript (see page 7 to page 8)
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	Presented in the measure part, method section of the manuscript (see page 7 to page 8)
Bias	9	Describe any efforts to address potential sources of bias	To address the selection bias, the universities were selected based on Chinese administrative provincial regions （see page 6, line 18-20）

Study size	10	Explain how the study size was arrived at	Presented in the setting and participants part, method section of the manuscript (see page 7, line 6-9)
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Presented in the data analysis part, method section of the manuscript (see page 9)
Statistical methods	12	(*a*) Describe all statistical methods, including those used to control for confounding (*b*) Describe any methods used to examine subgroups and interactions (*c*) Explain how missing data were addressed	Presented in the data analysis part, method section of the manuscript (see page 9)
		(*e*) Describe any sensitivity analyses	NA
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 (b) Give reasons for non-participation at each stage (c) Consider use of a flow diagram	Presented in the results section of the manuscript (see page 10, line 3-4).
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders. (b) Indicate number of participants with missing data for each variable of interest	Presented in the results section of the manuscript (see page 10, line 4-9), and table 1.
Outcome data	15*	Report numbers of outcome events or summary measures	Presented in the results section of the manuscript (see page 10-13).
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 (*b*) Report category boundaries when continuous variables were categorized (*c*) If relevant, consider translating estimates of relative risk into absolute	Presented in the results section of the manuscript (see page 10-13), and table 2-5.

		risk for a meaningful time period	
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	NA
Discussion			
Key results	18	Summarise key results with reference to study objectives	Presented in the discussion section of the manuscript (see page 13-16).
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	Presented in the discussion section of the manuscript (see page 16, line 20-21 and page 17,line 1-4).
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Presented in the discussion section of the manuscript (see page 14-16).
Generalisability	21	Discuss the generalisability (external validity) of the study results	Presented in the discussion section of the manuscript (see page 13).
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	Presented in the funding section of the manuscript (see page 17).