

Manuscript ID:

Adapted* STROBE Checklist for Observational Studies

Section/Topic	Checklist Item	Response
Background	Specific objectives clearly stated, including any pre-specified hypotheses.	
METHODS		
Study Design	Key elements of study design presented early in the paper.	
Setting	Setting and location from where study participants drawn clearly described.	
	Relevant dates for periods of recruitment, exposure, follow-up, and data collection.	
Participants	Eligibility criteria or matching criteria, as appropriate, clearly described.	
	Sources and methods of selection of participant (or cases and controls) selection.	
	Number of exposed/unexposed OR number of controls per case, as appropriate.	
	Methods of follow-up clearly described.	
Variables	Exposures, outcomes, predictors, potential confounders, effect modifiers clearly defined.	
Data Sources/ Measurement	Sources of data and details of methods of assessment.	
	Comparability of assessment methods, if more than one group.	
Bias	Clear description of efforts to address potential sources of bias.	
Statistical Methods	All statistical methods clearly described, including those used to control for confounding.	
	Methods used to examine subgroups and interactions clearly described.	
	Extent of missing data, and how it was handled clearly described.	
	Extent of loss to follow-up and how it was addressed clearly described.	
	Sensitivity Analyses appropriate and clearly described.	
RESULTS		
Participants	Number of individuals at each stage – e.g., number eligible, examined for eligibility, confirmed eligible, included in study, completing follow-up and analyzed.	
	Reasons for non-participation at each stage clearly described.	
Descriptive Data	Characteristics of study participants presented .	
	Information on exposures and potential confounders available.	
	Number of participants with missing data for each variable of interest provided.	
	Follow-up time summarized (average and total, as appropriate).	
Outcomes	Number of outcome events or summary measures over time available.	
	For case-control study, numbers in each exposure category, or summary measures of exposure provided.	
	For case-control study, numbers of outcomes events or summary measures.	
Main Results	Unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (95% confidence interval) provided.	
	Category boundaries, when continuous variables were categorized, available.	
	Estimates of relative risk translated into absolute risk for a meaningful period.	
Other Analyses	Sub-group analyses, interactions, sensitivity analyses adequately presented.	

Additional details: