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

	Item No		Page
		Recommendation	No
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	1-5
		(b) Provide in the abstract an informative and balanced summary of what	1-5
		was done and what was found	
Introduction			
Background/rationale	2	Explain the scientific background and rationale for the investigation being	6-7
Objectives	3	reported State specific objectives, including any prespecified hypotheses	7-8
		State specific objectives, including any prespective hypotheses	7-0
Methods Study design	1	Descent leave alaments of study design contributes many	9 10
Study design	4	Present key elements of study design early in the paper	8-10
Setting	5	Describe the setting, locations, and relevant dates, including periods of	8-10
D		recruitment, exposure, follow-up, and data collection	0.10
Participants	6	(a) Cohort study—Give the eligibility criteria, and the sources and methods	8-10
		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	8-10
		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, potential confounders,	8-10
		and effect modifiers. Give diagnostic criteria, if applicable	
Data sources/	8*	For each variable of interest, give sources of data and details of methods of	8-10
measurement		assessment (measurement). Describe comparability of assessment methods	
		if there is more than one group	
Bias	9	Describe any efforts to address potential sources of bias	8-10
Study size	10	Explain how the study size was arrived at	8-10
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If	8-10
		applicable, describe which groupings were chosen and why	
Statistical methods	12	(a) Describe all statistical methods, including those used to control for	8-10
		confounding	
		(b) Describe any methods used to examine subgroups and interactions	N/A
		(c) Explain how missing data were addressed	N/A
		(d) Cohort study—If applicable, explain how loss to follow-up was	8-10
		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	
			NT/A
		(\underline{e}) Describe any sensitivity analyses	N/A

Continued on next page

Results

Itesuits			
Participants	13*	(a) Report numbers of individuals at each	10-11
-		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	10-11
		stage	
		(c) Consider use of a flow diagram	N/A
Descriptive data	14*	(a) Give characteristics of study participants	10-11
Bescriptive data		(eg demographic, clinical, social) and	
		information on exposures and potential	
		confounders	
		(b) Indicate number of participants with	N/A
		missing data for each variable of interest	
		(c) Cohort study—Summarise follow-up time	12-14
		(eg, average and total amount)	12 11
Outcome data	15*	Cohort study—Report numbers of outcome	10-14
	10	events or summary measures over time	
		Case-control study—Report numbers in each	10-14
		exposure category, or summary measures of	
		exposure eategory, or summary measures or	
		Cross-sectional study—Report numbers of	10-14
		outcome events or summary measures	
Main results	16	(a) Give unadjusted estimates and, if	10-14
Tylam Tesans	10	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	10-14
		continuous variables were categorized	
		(c) If relevant, consider translating estimates	N/A
		of relative risk into absolute risk for a	1771
		meaningful time period	
Other analyses	17	Report other analyses done—eg analyses of	10-14
omer anaryses	1,	subgroups and interactions, and sensitivity	
		analyses	
Discussion		analy see	
Key results	18	Summarise key results with reference to study	14-16
riej resures	10	objectives	
Limitations	19	Discuss limitations of the study, taking into	14-16
	1)	account sources of potential bias or	
		imprecision. Discuss both direction and	
		magnitude of any potential bias	
Interpretation	20	Give a cautious overall interpretation of results	14-16
	20	considering objectives, limitations,	
		multiplicity of analyses, results from similar	
		O	

		studies, and other relevant evidence			
Generalisability	21	Discuss the generalisability (external validity)	14-16		
		of the study results			
Other information					
Funding	22	Give the source of funding and the role of the	2		
		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.

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.