## PMEDICINE-D-19-00864 - STROBE Statement—checklist of items that should be included in reports of observational studies

	Item No	Recommendation	Page No
Title and abstract	1	(a) Indicate the study's design with a commonly	Title page
		used term in the title or the abstract	
		(b) Provide in the abstract an informative and	Abstract
		balanced summary of what was done and what	
		was found	
Introduction			
Background/rationale	2	Explain the scientific background and rationale	Background, paragraphs 1-4
<u>C</u>		for the investigation being reported	
Objectives	3	State specific objectives, including any	Background, paragraph 5
J		prespecified hypotheses	
Methods		X X	
Study design	4	Present key elements of study design early in the	Methods, paragraph 1
, ,		paper	
Setting	5	Describe the setting, locations, and relevant dates,	Methods, paragraph 1
_		including periods of recruitment, exposure,	
		follow-up, and data collection	
Participants	6	(a) Cohort study—Give the eligibility criteria, and	Methods, paragraph 1
1		the sources and methods of selection of	71 0 1
		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	
			Not applicable
		(b) Cohort study—For matched studies, give	Not applicable
		matching criteria and number of exposed and	
		unexposed	
		Case-control study—For matched studies, give	
		matching criteria and the number of controls per	
Variables	7	case  Clearly define all outcomes, exposures, predictors,	Methods, Study procedures,
	,	potential confounders, and effect modifiers. Give	paragraphs 1 and 2
		diagnostic criteria, if applicable	paragraphs rand 2
Data sources/	8*	For each variable of interest, give sources of data	Page 3 – 4 Methods, Study
measurement	Ü	and details of methods of assessment	procedures, paragraph 1 and
measurement		(measurement). Describe comparability of	2, Biochemistry and analyses
		assessment methods if there is more than one	– paragraph 1
		group	իասջությու 1
Bias	9	Describe any efforts to address potential sources	Page 4 Methods, Statistical
Dias		of bias	analysis, paragraph 2 and
		<del></del>	paragraph 2

Study size	10	Explain how the study size was arrived at	Methods, Sample size,
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which	paragraph 1 Page 4 Methods, Statistical analysis, paragraph 1, 2 and 3
		groupings were chosen and why	unarysis, paragraph 1, 2 and 5
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	Page 4 Methods, Statistical analysis, paragraph 3
		(b) Describe any methods used to examine subgroups and interactions	Not applicable
		(c) Explain how missing data were addressed	Page 4 Methods, Statistical analysis, paragraph 3
		(d) Cohort study—If applicable, explain how loss to follow-up was addressed	Not applicable
		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	
		(e) Describe any sensitivity analyses	

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Results			
Participants 13*		(a) Report numbers of individuals at each stage of study—eg numbers	Results
		potentially eligible, examined for eligibility, confirmed eligible, included in	
		the study, completing follow-up, and analysed	and Fig 1
		(b) Give reasons for non-participation at each stage	Fig 1
		(c) Consider use of a flow diagram	Fig 1
Descriptive	14*	(a) Give characteristics of study participants (eg demographic, clinical,	Results,
data		social) and information on exposures and potential confounders	
			Table 1 and Table 2
		(b) Indicate number of participants with missing data for each variable of	Results –
		interest	Table 1 and
			Table 2
		(c) <i>Cohort study</i> —Summarise follow-up time (eg, average and total amount)	Not
			applicable
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures	Not
		over time	applicable
		Case-control study—Report numbers in each exposure category, or summary	Not
		measures of exposure	applicable
		Cross-sectional study—Report numbers of outcome events or summary	Results –
		measures	Fig2
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted	Results
		estimates and their precision (eg, 95% confidence interval). Make clear	Fig3
		which confounders were adjusted for and why they were included	8-
		(b) Report category boundaries when continuous variables were categorized	Methods,
			Study
			procedures
		and data	
			collected,
			paragraph 2
		(c) If relevant, consider translating estimates of relative risk into absolute risk	Not
		for a meaningful time period	relevant
Other analyses 17	17	Report other analyses done—eg analyses of subgroups and interactions, and	Not
•		sensitivity analyses	applicable
Discussion			1 11
Key results	18	Summarise key results with reference to study objectives	Discussion
ize y results	10	Sammande Rey Testines with Telefenee to study objectives	paragraph 1
Limitations 19	10	Discuss limitations of the study, taking into account sources of potential bias	Discussion
	or imprecision. Discuss both direction and magnitude of any potential bias	last	
		of imprecision. Discuss com direction and magnitude of any potential olds	paragraph
Interpretation	20	Give a cautious overall interpretation of results considering objectives,	Conclusion,
тыргешин	20	limitations, multiplicity of analyses, results from similar studies, and other	paragraph 1
		relevant evidence	paragraph
Generalisability 21	21	Discuss the generalisability (external validity) of the study results	Discussion,
	Discuss the generalisatinty (external validity) of the study results	paragraphs	
			2, 2 and 4
			2, 2 and 4

## 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

Funding statement

\*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.