STROBE Statement—Checklist of items that should be included in reports of ***cross-sectional studies***

	Item No	Recommendation
Title and abstract	1	(*a*) Indicate the study's design with a commonly used term in the title or the abstract A cross-sectional study as stated in the Abstract on page 2 and Methods on page 5. The 'Femoral Shaft Fracture' is a commonly used term.
		(*b*) Provide in the abstract an informative and balanced summary of what was done and what was found Provided in the Abstract on pages 2 and 3.
Introduction		
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported Included in the Introduction on pages 3,4 and 5.
Objectives	3	State specific objectives, including any prespecified hypotheses Included in the Introduction on page 5.
Methods		
Study design	4	Present key elements of study design early in the paper Included in the Patients and Methods on page 5.
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection Included in the Methods on pages 5 and 6
Participants	6	(*a*) Give the eligibility criteria, and the sources and methods of selection of participants Included in the Methods on page 6.
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable Included in the Methods on pages 8 and 9.
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 Included in the Methods on page 9.
Bias	9	Describe any efforts to address potential sources of bias Addressed in the limitations in the last paragraph of the Discussion on page 21
Study size	10	Explain how the study size was arrived at Included in the Methods on page 7 (sample was derived from a fixed geographical catchment area)
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why Included in the Methods on page 10
Statistical methods	12	(*a*) Describe all statistical methods, including those used to control for confounding Included in the Methods on page 10.
		(*b*) Describe any methods used to examine subgroups and interactions Included in the Methods on page 10.
		(*c*) Explain how missing data were addressed Not applicable.
		(*d*) If applicable, describe analytical methods taking account of sampling strategy Not applicable.
		(*e*) Describe any sensitivity analyses

		Not applicable.
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 Included in the Methods on page 7
		(b) Give reasons for non-participation at each stage Not applicable
		(c) Consider use of a flow diagram Included in the Methods on page 7
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders Included in the Results on page 11
		(b) Indicate number of participants with missing data for each variable of interest Not applicable
Outcome data	15*	Report numbers of outcome events or summary measures Included in the Results on page 11
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 Included in the Results on pages 11 to 18
		(*b*) Report category boundaries when continuous variables were categorized Included in the Results on pages 11 to 18
		(*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period Not applicable
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses Not applicable
Discussion		
Key results	18	Summarise key results with reference to study objectives Included in the Discussion on pages 19 to 21.
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 Included in the Discussion on page 21.
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence Included in the Discussion on pages 19 to 21.
Generalisability	21	Discuss the generalisability (external validity) of the study results Included in the Discussion on page 19.
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 Provided in the text on page 23.