# Title: Falls among community-dwelling older adults in Ethiopia; A preliminary cross-sectional study

**ID: PONE-D-19-06676**

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

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|  | Item No | Recommendation |
| **Title and abstract** | 1 | 1. Study design is indicated in the abstract, methods section as a community based cross-sectional study design.
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| (b) A balanced summary of what was done and what was found is provided in the methods and result section of the abstract |
| Introduction |
| Background/rationale | 2 | The scientific background and rationale for the investigation is reported. |
| Objectives | 3 | Specific objectives are stated as the final sentence of last paragraph under background session |
| Methods |
| Study design | 4 | It is presented in the first sentence of first para of method section |
| Setting | 5 | A detailed description of the study area, location, and population, estimate of households, terrain, and altitude are described in the first para of method section. |
| Participants | 6 | Eligibility criteria, the sources and methods of selection of participants are clearly stated in the last paragraph of methods session. |
| Variables | 7 | Both outcome and predictor variables are defined under Study variable sub-section in the methods in 1st and 2nd para. |
| Data sources/ measurement | 8 | Source of data and data analysis methods are discussed in the 5th and 6th paragraphs of methods session |
| Bias | 9 | Efforts to address potential sources of bias were described in several part of method session. |
| Study size | 10 | Study size determination and the flow of sampling was mentioned under sample size sub-session in method section and in addition a support file is also incorporated.  |
| Quantitative variables | 11 | All quantitative variables treated as qualitative after categorizing them in one of most commonly used categories.  |
| Statistical methods | 12 | (*a*) Statistical methods used in this study are described under data analysis sub-section in the last para of method session.  |
| (*b*) Both sub group analysis and interaction terms were used. |
| (*c*) There were no missing data in this study |
| *(d)* Not applicable |
| (*e*) Not applicable |
| Results |
| Participants | 13 | (a) Number of participants/households, response rate is presented in the first paragraph of results session and detail socio-demographic characteristics and fall distribution in the table 1.  |
| (b) About 99% participant responded and the most common reason for non-response is mentioned in the first para of result section. |
| (c) This was cross-sectional study so; there is no flow as that of longitudinal study.  |
| Descriptive data | 14 | (a) Characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders is presented in tables 1 & 2  |
| (b) There were no missing data in this study |
| Outcome data | 15 | Outcome variable (fall in the past 12 months) described and summarized in table 2 and 3 |
| Main results | 16 | (*a*) Unadjusted estimates and confounder-adjusted estimates and their precision (eg, 95% confidence interval) are presented in table 4. Discussed under regression analysis 1st para in result section. |
| 1. Category boundaries of continuous variables were categorized and reported in all tables.
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| (*c*) Regression model was used and expressed in odds ratio. |
| Other analyses | 17 | No clear or significant sub group difference noted and interaction terms were used but non-significant. |
| Discussion |
| Key results | 18 | Key results to study objectives are discussed under discussion session with references.  |
| Limitations | 19 | Limitations and possible strengths related to the current study are discussed in the final paragraph of discussion session on the way of viewing direction for researchers. |
| Interpretation | 20 | A cautious overall interpretation of results considering objectives, results from similar studies, and other relevant evidence is discussed under limitation para of discussion session.  |
| Generalisability | 21 | Generalisability (external validity) of the study results are mentioned under conclusion section |
| Other information |
| Funding | 22 | Information regarding the source of funding (University of Gondar) and the role of the funders for the present study is presented under acknowledgment section.  |