

|                           | Item No. | STROBE items   | Location in manuscript where items are reported |
|---------------------------|----------|--|---|
| <b>Title and abstract</b> |          |  |   |
|                           | 1        | (a) Indicate the study's design with a commonly used term in the title or the abstract (b) Provide in the abstract an informative and balanced summary of what was done and what was found   | Page 1 #column5-6<br>Page 3 #column1-31         |
| <b>Introduction</b>       |          |  |   |
| Background rationale      | 2        | Explain the scientific background and rationale for the investigation being reported   | Page 5 #column 1-15                             |
| Objectives                | 3        | State specific objectives, including any prespecified hypotheses   | Page 5 #column 15-16                            |
| <b>Methods</b>            |          |  |   |
| Study Design              | 4        | Present key elements of study design early in the paper  | Page 6 #column 4-17                             |
| Setting                   | 5        | Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection  | Page 5 #column 19-31                            |
| Participants              | 6        | (a) Cohort study - Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow -up<br>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<br>Cross -sectional study - Give the | Page 5 #column 19-31                            |

|                           |    |   |  |
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|                           |    | eligibility criteria, and the sources and methods of selection of participants (b) Cohort study - For matched studies, give matching criteria and number 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, and effect modifiers. Give diagnostic criteria, if applicable .  | Page 5 #column 19-31                         |
| 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  | Page 5 #column 19-31                         |
| Bias                      | 9  | Describe any efforts to address potential sources of bias   | Page 10 #column 28-31<br>Page 11 #column1-6  |
| Study size                | 10 | Explain how the study size was arrived at   | Page 5 #column 20-31                         |
| Quantitative variables    | 11 | Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen, and why   | Page 8 #column 16-30<br>Page 9 #column 12-21 |
| Statistical methods       | 12 | (a) Describe all statistical methods, including those used to control for confounding (b) Describe any methods used to examine subgroups and  | Page6 #column 4-18                           |

|                  |    |   |  |
|------------------|----|---|--|
|                  |    | interactions (c) Explain how missing data were addressed (d) Cohort study - If applicable, explain how loss to follow - up was 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 (e) Describe any sensitivity analyses |  |
| <b>Results</b>   |    |   |  |
| Participants     | 13 | (a) Report the numbers of individuals at each stage of the study (e.g., 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 stage. (c) Consider use of a flow diagram   | Page 6 #column21-31<br>Page 7 #column 1-29 |
| Descriptive data | 14 | (a) Give characteristics of study participants (e.g., demographic, clinical, social) and information on exposures and potential confounders (b) Indicate the number of participants with missing data for each variable of interest (c) Cohort study - summarise follow -up time (e.g., average and total amount)   | Page 6 #column21-31<br>Page 7 #column1-29  |
| Outcome data     | 15 | Cohort study - Report numbers of outcome events or summary measures over time Case - control study - Report numbers   | Page 6 #column21-31<br>Page 7 #column1-29  |

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|                   |    | in each exposure category, or summary measures of exposure<br>Cross-sectional study - Report numbers of outcome events or summary measures  |  |
| Main results      | 16 | (a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (e.g., 95% confidence interval). Make clear which confounders were adjusted for and why they were included (b) Report category boundaries when continuous variables were categorized (c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period | Page 6 #column21-31<br>Page 7 #column1-29                        |
| Other analyses    | 17 | Report other analyses done — e.g., analyses of subgroups and interactions, and sensitivity analyses   | Page 6 #column12-17  |
| <b>Discussion</b> |    |   |  |
| Key results       | 18 | Summarise key results with reference to study objectives  | Page 8#column 1-10   |
| 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  | Page 10#column 28-31<br>Page 11#column1-6                        |
| Interpretation    | 20 | Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence  | Page 8#column 13-31<br>Page 9#column 1-31<br>Page 10#column 1-25 |
| Generalisability  | 21 | Discuss the generalisability  | Page 11#column   |

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|                   |    | (external validity) of the study results  | 13-18 |
| 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 |       |