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

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| # | Headers | Recommendations | Page # |
| 1 |

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|  **Title and abstract**  |

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|  (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  |

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|  Background/rationale  |

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|  Explain the scientific background and rationale for the investigation being reported  |

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|  Objectives  |

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|  State specific objectives, including any prespecified hypotheses  |

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|  Study design  |

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|  Present key elements of study design early in the paper  |

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|  Setting  |

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|  Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection  |

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|  Participants  |

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|  (*a*) *Cohort study*—Give the eligibility criteria, and the sources and methods 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  |

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|  Variables  |

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|  Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable  |

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|  Data sources/ measurement  |

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|  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  |

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|  Bias  |

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|  Describe any efforts to address potential sources of bias  |

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|  Study size  |

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|  Explain how the study size was arrived at  |

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|  Quantitative variables  |

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|  Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why  |

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|  Statistical methods  |

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|  *Cross-sectional study*—If applicable, describe analytical methods taking account of sampling strategy  |

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| 14 | Participants  |

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| 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  |
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| 15 | Descriptive data  |

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| (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders  |
| (b) Indicate number of participants with missing data for each variable of interest  |

 | 6-7 |
| 16 | Outcome data  | *Cross sectional study\_—*Report numbers of outcome events or summary measures  | 6-7 |
| 17 | Main results  |

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| (*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  |
| (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  |

 | 7-9 |
| 18 | Key results  | Summarise key results with reference to study objectives  | 9-11 |
| 19 | Limitations  | Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias  | 11 |
| 20 | Interpretation  | Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence  | 9-11 |
| 21 | Generalisability  | Discuss the generalisability (external validity) of the study results  | 12 |
| 22 | Funding  | 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  | 12 |
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