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

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|  | Item No. | Recommendation | Page  No. | Relevant text from manuscript |
| **Title and abstract** | 1 | (*a*) Indicate the study’s design with a commonly used term in the title or the abstract | Page 1 | Line 2-5 |
| (*b*) Provide in the abstract an informative and balanced summary of what was done and what was found | Page 1-2 | Line 28-62 |
| Introduction | | | |  |
| Background/rationale | 2 | Explain the scientific background and rationale for the investigation being reported | Page 2-3 | Line 64-104 |
| Objectives | 3 | State specific objectives, including any prespecified hypotheses | Page 3 | Line 105-111 |
| Methods | | | |  |
| Study design | 4 | Present key elements of study design early in the paper | Page 3-4 | Line 113-120 |
| Setting | 5 | Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection | Page 4 | Line 122-139 |
| Participants | 6 | (*a*) Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up | Page 4 | Line 122-130 |
| (*b*)For matched studies, give matching criteria and number of exposed and unexposed |  | Not applicable |
| Variables | 7 | Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable | Page 4 | Line 141-147 |
| 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 4-6 | Line 149-209 |
| Bias | 9 | Describe any efforts to address potential sources of bias | Page 5 | Line 160-161, 182-185, 192-196 |
| Study size | 10 | Explain how the study size was arrived at | Page 6 | Line 218-220 |

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| Quantitative variables | 11 | Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why | Page 6 | Line 212-214 |
| Statistical methods | 12 | (*a*) Describe all statistical methods, including those used to control for confounding | Page 6 | Line 214-217 |
| (*b*) Describe any methods used to examine subgroups and interactions |  | Not applicable |
| (*c*) Explain how missing data were addressed | Page 4 | Line 125-128 (Figure 1) |
| (*d*) If applicable, explain how loss to follow-up was addressed | Page 4 | Line 125-128 (Figure 1) |
| (*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 | Page 4 | Line 122-130 |
| (b) Give reasons for non-participation at each stage | Page 4 | Line 125-127 |
| (c) Consider use of a flow diagram | Page 4 | Line 127-128 (Figure 1) |
| Descriptive data | 14\* | (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders | Page 6 | Line 223-226 (Table 1) |
| (b) Indicate number of participants with missing data for each variable of interest | Page 4 | Line 125-128 (Figure 1) |
| (c) Summarise follow-up time (eg, average and total amount) | Page 4 | Line 123-125 |
| Outcome data | 15\* | Report numbers of outcome events or summary measures over time |  | Not applicable |
| 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 | Page 6-7 | Line 227-263 |
| (*b*) Report category boundaries when continuous variables were categorized |  | Not applicable |
| (*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period |  | Not applicable |

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| 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 | Page 7 | Line 265-278 |
| 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 |  | Not applicable |
| Interpretation | 20 | Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence | Page 8-10 | Line 280-360 |
| Generalisability | 21 | Discuss the generalisability (external validity) of the study results | Page 10 | Line 363-371 |
| 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 | Page 10 | Line 377-381 |

\*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.