| Section/Item | Item No | Recommendation | Reported on Page Number/Line Number | Reported on Section/Paragraph |
|-------------|---------|----------------|-------------------------------------|------------------------------|
| Title and abstract | 1 | (a) Indicate the study’s design with a commonly used term in the title or the abstract | Page 3/Line 31-45 | Abstract/2 |
|  |  | (b) Provide in the abstract an informative and balanced summary of what was done and what was found | Page 4/Line 53- | Abstract/4 |
| Introduction | 2 | Explain the scientific background and rationale for the investigation being reported | Page 4/Line 61-69 | Introduction/1 |
| Background/rationale | 3 | State specific objectives, including any prespecified hypotheses | Page 5/Line 80-86 | Introduction/2 |
| Objectives | 4 | Present key elements of study design early in the paper | Page 5-6/Line 90-96 | Methods/1 |
| Methods | 5 | Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection | Page 7/Line 122-129 | Methods/4 |
| Participants | 6 | (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 | Page 5-6/Line 90-96 | Methods/1 |
|  |  | (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 | Page 5-6/Line 90-96 | Methods/1 |
|  | 7 | Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable | Page 10/Line 182-186 | Methods/10 |
| Variables | 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 10/Line 189-196 | Methods/11 |
| Data sources/measurement | 9 | Describe any efforts to address potential sources of bias | N/A | N/A |
| Bias | 10 | Explain how the study size was arrived at | Page 10/Line 189-196 | Methods/11 |
| Study size | 11 | Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why | Page 10/Line 189-196 | Methods/11 |
### Statistical methods

| 12 | (a) Describe all statistical methods, including those used to control for confounding |
|----|----------------------------------------------------------------------------------|
|    | (b) Describe any methods used to examine subgroups and 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                                             |

### 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 10/Line 200-202 Results/1 |
| (b) Give reasons for non-participation at each stage | Page 11/Line 212-214 Results/3 |
| (c) Consider use of a flow diagram | N/A |

| Descriptive data | 14* |
|------------------|-----|
| (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders | Page 11/Line 206-209 Results/2 |
| (b) Indicate number of participants with missing data for each variable of interest | Page 11/Line 212-214 Results/3 |
| (c) **Cohort study**—Summarise follow-up time (eg, average and total amount) | Page 11/Line 212-214 Results/3 |

| Outcome data | 15* |
|--------------|-----|
| **Cohort study**—Report numbers of outcome events or summary measures over time | Page 11/Line 217-222 Results/4 |
| **Case-control study**—Report numbers in each exposure category, or summary measures of exposure |
| **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 (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included | Page 11/Line 217-222 Results/4 |
| (b) Report category boundaries when continuous variables were categorized | Page 11/Line 217-222 Results/4 |
| (c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period | Page 11/Line 217-222 Results/4 |

| Other analyses | 17 |
|----------------|----|
| Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses | N/A |

### Discussion

| Key results | 18 |
|-------------|----|
| Summarise key results with reference to study objectives | Page 15/Line 296-305 Discussion/5 |

| 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 15/Line 296-305 Discussion/5 |
### Interpretation

| Page 15/Line 296-305 | Discussion/5 |
|----------------------|--------------|
| Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence |

### Generalisability

| Page 11/Line 225-237 | Discussion/1 |
|----------------------|--------------|
| Discuss the generalisability (external validity) of the study results |

### Other information

| Page 15/Line 308-314 | Acknowledgements/1 |
|----------------------|---------------------|
| 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 |

*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.