**STROBE Checklist**

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|  | Item No | Recommendation |
|  **Title and abstract** | 1 | (*a*) Indicate the study’s design with a commonly used term in the title or the abstract***Title page, abstract (page 1)*** |
| (*b*) Provide in the abstract an informative and balanced summary of what was done and what was found***Abstract, page 1*** |
| Introduction |
| Background/rationale | 2 | Explain the scientific background and rationale for the investigation being reported***Introduction, page 2-3*** |
| Objectives | 3 | State specific objectives, including any prespecified hypotheses***Introduction, page 3*** |
| Methods |
| Study design | 4 | Present key elements of study design early in the paper***Study design and population, page 3-4*** |
| Setting | 5 | Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection***Study design and population, page 3-4*** |
| Participants | 6 | (*a*) Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up***Study design and population, page 3-4*** |
| (*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***Materials and methods, pages 4-5*** |
| 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***Definition of CVD risk factors, Blood pressure measurement, Estimation of Arterial Stiffness, Compliance and Distensibility, Estimation of Pressure Wave Reflections, Dietary Assessment, pages 4-5*** |
| Bias | 9 | Describe any efforts to address potential sources of bias |
| Study size | 10 | Explain how the study size was arrived at***No sample size calculation was performed; this is a cohort study that used a convenience sample in terms of size*** |
| Quantitative variables | 11 | Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why***Statistical analysis, pages 5-6*** |
| Statistical methods | 12 | (*a*) Describe all statistical methods, including those used to control for confounding***Statistical analysis, pages 5-6*** |
| (*b*) Describe any methods used to examine subgroups and interactions***Statistical analysis, pages 5-6*** |
| (*c*) Explain how missing data were addressed***Not applicable*** |
| (*d*) If applicable, explain how loss to follow-up was addressed***Not applicable*** |
| (*e*) Describe any sensitivity analyses***Statistical analysis, page 5-6*** |
| 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***Results, page 6*** |
| (b) Give reasons for non-participation at each stage***Not applicable*** |
| (c) Consider use of a flow diagram***Not applicable*** |
| Descriptive data | 14\* | (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders***Results, page 6*** |
| (b) Indicate number of participants with missing data for each variable of interest***Results, page 6*** |
| (c) Summarise follow-up time (eg, average and total amount)***Not applicable*** |
| Outcome data | 15\* | Report numbers of outcome events or summary measures over time***Results, page 7*** |
| 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***Results, page 6-7*** |
| (*b*) Report category boundaries when continuous variables were categorized***Results, page 6-7*** |
| (*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period***Not applicable*** |
| 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***Discussion, page 7*** |
| 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***Discussion, page 10*** |
| Interpretation | 20 | Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence***Discussion, pages 7-10*** |
| Generalisability | 21 | Discuss the generalisability (external validity) of the study results***4. Discussion, pages 7-10*** |
| 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***Source of funding, Title page, page 1*** |