STROBE Statement—Checklist of items that should be included in reports of *cohort studies*

<table>
<thead>
<tr>
<th>Item No</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title and abstract</strong></td>
<td></td>
</tr>
</tbody>
</table>
| 1 | *(a) Indicate the study’s design with a commonly used term in the title or the abstract*  
*Yes, see page 1 “A Swedish cohort study”*  
*(b) Provide in the abstract an informative and balanced summary of what was done and what was found*  
*Yes, page 2* |
| **Introduction** | |
| 2 | Explain the scientific background and rationale for the investigation being reported  
*Yes, page 3, line* |
| 3 | State specific objectives, including any prespecified hypotheses  
*Yes, page 3*  
“The aim of our study was to (i) identify prevalence of the disease, and (ii) evaluate if men with the disease have more often or more severe neck/back pain than men without the disease” |
| **Methods** | |
| 4 | Present key elements of study design early in the paper  
*Yes, page 4-6* |
| 5 | Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection  
*Yes, page 4, paragraph 1* |
| 6 | *(a) Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up*  
*Yes, page 4, paragraph 1 and 2*  
*(b) For matched studies, give matching criteria and number of exposed and unexposed*  
*Not relevant* |
| 7 | Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable  
*Yes, page 4 paragraph 2 and page 5 paragraph 2* |
| 8 | *(a) 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*  
*Yes, page 5 and 6* |
| **Bias** | |
| 9 | Describe any efforts to address potential sources of bias  
*Yes, page 6, paragraph 1* |
| **Study size** | |
| 10 | Explain how the study size was arrived at  
*Yes, page 4, 5* |
| **Quantitative variables** | |
| 11 | Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why  
*Yes, page 4 paragraph 2* |
| **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) If applicable, explain how loss to follow-up was addressed*  
*(g) Describe any sensitivity analyses*  
*Yes, page 6 paragraph 2* |

**Results**
(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

Yes, figure 1

(b) Give reasons for non-participation at each stage

Yes, figure 1 and page 8 paragraph 1

(c) Consider use of a flow diagram

Yes, figure 1

(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders

Yes, table 1

(b) Indicate number of participants with missing data for each variable of interest

Yes, table 1 and table 2

(c) Summarise follow-up time (eg, average and total amount)

We only study them at baseline

Report numbers of outcome events or summary measures over time

Yes, table 2 and page 8 and 9

(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

Yes, page 8

(b) Report category boundaries when continuous variables were categorized

Yes, table 1

(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period

Not relevant

Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses

Yes, figure 5

Summarise key results with reference to study objectives

Yes, page 10, 11 and 12

Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias

Yes, page 10 and 13

Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence

Yes, page 10, 11 and 12

Discuss the generalisability (external validity) of the study results

Yes, page 12

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

Yes, page 6

*Give information separately for exposed and unexposed groups.

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