### Quality assessment criteria for survey research reports

| Category            | Item                                                                 | Reported on Page Number/Line Number | Reported on Section/Paragraph |
|---------------------|----------------------------------------------------------------------|-------------------------------------|-------------------------------|
| **Title and abstract** | Is the design of the study stated in the title and/or abstract? | 2/34                                | A cross-sectional analysis    |
| **Introduction**    | a) Is there an explanation of why the research is necessary, placing the study in context of previous work in relevant fields? | 3/64-68                            | Possible links between        |
|                     | b) Is the purpose or aim of the paper explained?                     | 4/78-83                            | The main hypothesis of        |
| **Methods**         | a) Is the questionnaire described?                                   | 5/107-109                          | This study measured the      |
|                     | b) If an existing tool was used, are its psychometric properties presented? | N/A                                | N/A                           |
|                     | c) If an existing tool was used, are references to the original work provided? | N/A                                | N/A                           |
|                     | d) If a new tool was used, are the procedures used to develop and pre-test provided? | N/A                                | N/A                           |
|                     | e) If a new tool was used, have its reliability and validity been reported? | N/A                                | N/A                           |
|                     | f) Is a description of the scoring procedures provided?              | 5/109-110                          | Dependent variables were     |
| **Sample selection**| a) Is there a description of the survey population and the sample frame used to identify this population? | 5/100-104                          | This study excluded          |
|                     | b) Do the authors provide a description of how representative the sample is of the underlying population? | 5/94-96                            | The KCHS used                |
|                     | c) Is a sample size calculation or rationale/justification for the sample size presented? | 5/94-98                            | The KCHS used                |
| **Survey administration** | a) Mode of administration?                                      | 5/98-99                            | In KCHS, a trained           |
|                     | b) Do the authors provide information on the type of contact and how many attempts were made to contact subjects (i.e., prenotification by letter or telephone, reminder postcard, duplicate questionnaire with reminder)? | 5/98-99                            | In KCHS, a trained           |
|                     | c) Do the authors report whether incentives were provided (financial or other)? | N/A                                | The selected households and   |
|                     | d) Is there a description of who approached potential participants (e.g., identification of who signed the covering letter)? | N/A                                | N/A                           |
### Analysis

| Question                                                                 | Page/Line | Description                                      |
|-------------------------------------------------------------------------|-----------|--------------------------------------------------|
| a) Is the method of data analysis described?                            | 7/135-151 | Descriptive analysis was                         |
| b) Do the authors provide methods for analysis of nonresponse error?    | 5/99-102  | This study excluded                              |
| c) Is the method for calculating response rate provided?                | 7/143-145 | The adjusted odds ratio                         |
| d) Are definitions provided for complete versus partial completions?    | N/A       | N/A                                             |
| e) Are the methods for handling item missing data provided?             | 5/99-102  | This study excluded                              |

### Results

| Question                                                                 | Page/Line | Description                                      |
|-------------------------------------------------------------------------|-----------|--------------------------------------------------|
| a) Is the response rate reported?                                        | 18/398    | Figure 1. Deposition of                          |
| b) Are all respondents accounted for?                                    | 18/398    | Image 1. Deposition of                           |
| c) Is information given on how nonrespondents differ from respondents? | N/A       | N/A                                             |
| d) Are the results clearly presented?                                   | 8/161-169 | Table 1 summarized the                         |
| e) Do the results address the objective(s)?                             | 8/170-9/187 | Table 2 to 6 were                              |

### Discussion

| Question                                                                 | Page/Line | Description                                      |
|-------------------------------------------------------------------------|-----------|--------------------------------------------------|
| a) Are the results summarized with reference to the study objectives?   | 11/224-226| In our study, not only                          |
| b) Are the strengths of the study stated?                               | 13/272-277| Aside from the merit of                         |
| c) Are the limitations of the study (taking into account potential sources of bias or imprecision) stated? | 12/239-13/271 | Although we have                               |
| d) Is there explicit discussion of the generalizability (external validity) of the results? | 11/227-12/238 | Other indirect effects                        |

### Ethical quality indicators

| Question                                                                 | Page/Line | Description                                      |
|-------------------------------------------------------------------------|-----------|--------------------------------------------------|
| a) Study funding reported?                                              | 15/299-300| The present research was                        |
| b) Research Ethics Board (REB) review reported?                         | 8/153-158 | The procedures of this                         |
| c) Reporting of subject consent procedures?                             | 8/156-158 | There are no                                  |

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*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.*