## 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? | 2/31~33 | Abstract/ Paragraph 2 |
| Introduction |  |  |  |
|  | a) Is there an explanation of why the research is necessary, placing the study in context of previous work in relevant fields? | 4~5/55~72 | Introduction/ Paragraph 1 |
|  | b) Is the purpose or aim of the paper explained? | 5/72~75 | Introduction/ Paragraph 1 |
| Methods |  |  |  |
| Research tool | a) Is the questionnaire described? | 5~7/85~131 | Methods/ Paragraph 3~6 |
|  | b) If an existing tool was used, are its psychometric properties presented? | N/A a new tool was used | N/A a new tool was used |
|  | c) If an existing tool was used, are references to the original work provided? | N/A a new tool was used | N/A a new tool was used |
|  | d) If a new tool was used, are the procedures used to develop and pre-test provided? | 5/86~90 | Methods/Paragraph 2 |
|  | e) If a new tool was used, have its reliability and validity been reported? | 8/151~152 | Methods/Paragraph 8 |
|  | f) Is a description of the scoring procedures provided? | 6/107~110 | Methods/ Paragraph 4 |
| Sample selection | a) Is there a description of the survey population and the sample frame used to identify this population? | 5/80~84 | Methods/ Paragraph 1 |
|  | b) Do the authors provide a description of how representative the sample is of the underlying population? | 5/80~84 | Methods/Paragraph 1 |
|  | c) Is a sample size calculation or rationale/justification for the sample size presented? | 5/78~79 | Methods/ Paragraph 1 |
| Survey administration | a) Mode of administration? | 7~8/134~139 | Methods/ Paragraph 7 |
|  | 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)? | 8/137~141 | Methods/Paragraph 7 |
|  | c) Do the authors report whether incentives were provided (financial or other)? | 8/148~149 | Methods/Paragraph 7 |
|  | d) Is there a description of who approached potential participants (e.g., identification of who signed the covering letter)? | 8/141~144 | Methods/Paragraph7 |


| Analysis | a) Is the method of data analysis described? | 9/154~159 | Methods/Paragraph 9 |
| :---: | :---: | :---: | :---: |
|  | b) Do the authors provide methods for analysis of nonresponse error? | N/A nonresponse was not includa in thin ctude, | N/A nonresponse was not includa in this ctode, |
|  | c) Is the method for calculating response rate provided? | 9/163~165 | Results/Paragraph 1 |
|  | d) Are definitions provided for complete versus partial completions? | 8/144~148 | Methods/Paragraph 7 |
|  | e) Are the methods for handling item missing data provided? | 8/146~148 | Methods/Paragraph 7 |
| Results |  |  |  |
|  | a) Is the response rate reported? | 9/163~165 | Results/Paragraph 1 |
|  | b) Are all respondents accounted for? | 9/163~165 | Results/Paragraph 1 |
|  | c) Is information given on how nonrespondents differ from respondents? | N/A nonrespondents were not involvead in thic atoder | N/A nonrespondents were not invonlvad in thin otwde, |
|  | d) Are the results clearly presented? | 9~11/161~215 | Results/Paragraph1~6 |
|  | e) Do the results address the objective(s)? | 9~11/161~215 | Results/Paragraph1~6 |
| Discussion |  |  |  |
|  | a) Are the results summarized with reference to the study objectives? | 13/258~261 | Discussion/Paragraph 4 |
|  | b) Are the strengths of the study stated? | 13/256~265 | Discussion/Paragraph 4 |
|  | c) Are the limitations of the study (taking into account potential sources of bias or imprecision) stated? | 13~14/266~270 | Discussion/Paragraph 5 |
|  | d) Is there explicit discussion of the generalizability (external validity) of the results? | 13/261~265 | Discussion/Paragraph 4 |
| Ethical quality indicators |  |  |  |
|  | a) Study funding reported? | N/A no funding support fanthin ctude, | N/A no funding support fanthin ctuder |
|  | b) Research Ethics Board (REB) review reported? | 7/133~134 | Methods/Paragraph 8 |
|  | c) Reporting of subject consent procedures? | 8/141~144 | Methods/Paragraph 7 |

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[^0]:    Article information: http://dx.doi.org/10.21037/tcr-20-2418
    *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.

