Supplementary Material

# Table S1. Results of quality assessment for the included cross-sectional studies

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Agency for Healthcare Research and Quality (AHRQ)Item | Chen2018 | Ding2017 | Feng2016 | Guo2019 | Moon2018 | Pan2020 | Rendina2012 | Su2019 | Yin2014 | Li2019 |
| Y | N | U | Y | N | U | Y | N | U | Y | N | U | Y | N | U | Y | N | U | Y | N | U | Y | N | U | Y | N | U | Y | N | U |
| 1) Define the source of information (survey, record review) | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  |
| 2) List inclusion and exclusion criteria for exposed and unexposed subjects (cases and controls) or refer to previous publications | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  |
| 3) Indicate time period used for identifying patients | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  |
| 4) Indicate whether or not subjects were consecutive if not population-based | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  |
| 5) Indicate if evaluators of subjective components of study were masked to other aspects of the status of the participants |  | ★ |  |  | ★ |  |  | ★ |  |  |  | ★ |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  |  | ★ |
| 6) Describe any assessments undertaken for quality assurance purposes (e.g, test/retest of primary outcome measurements) | ★ |  |  |  | ★ |  | ★ |  |  |  | ★ |  | ★ |  |  |  | ★ |  | ★ |  |  | ★ |  |  | ★ |  |  |  |  | ★ |
| 7) Explain any patient exclusions from analysis | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  |
| 8) Describe how confounding was assessed and/or controlled | ★ |  |  | ★ |  |  |  |  | ★ | ★ |  |  |  | ★ |  |  | ★ |  | ★ |  |  |  | ★ |  | ★ |  |  | ★ |  |  |
| 9) If applicable, explain how missing data were handled in the analysis |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |
| 10) Summarize patient response rates and completeness of data collection | ★ |  |  | ★ |  |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |
| 11) Clarify what follow-up, if any, was expected and the percentage of patients for which incomplete data or follow-up was obtained |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |  | ★ |  |
| ***Quality scores*** | 9 | 8 | 7 | 6 | 7 | 6 | 8 | 7 | 8 | 6 |

Y, Yes; N, No; U, Unclear; an item would be scored ‘0’ if it was answered ‘NO’ or ‘UNCLEAR’; if it was answered ‘YES’, then the item scored ‘1’ (Question 5 take reverse scoring).

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