**Association between components of the delirium syndrome and outcomes in hospitalised adults: a systematic review and meta-analysis.**

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### **Additional file 2. RoBANS Quality Assessment Criteria**

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| **Risk of Bias Item** | **Grading** | **Rationale/Examples**  |
| **Selection of participants** *(selection bias)* | Low | Sampling frame clearly described with reasonable inclusion/exclusion criteria provided, ideally allowing for inclusion of all participants admitted to the hospital (or specialist service) in whom an assessment of delirium is made using a standardised diagnostic criteria or validated tools. Exclusion of those with delirium tremens or those admitted to the intensive care unit (ICU)/high dependency unit (HDU) or setting that is focused on providing specialist end of life care. |
| High | Exclusions based on availability of data (e.g. admission to ICU/HDU; transfer to nursing/residential care/setting that is focused on providing specialist end of life care), exclusion of those lost to follow-up. |
| Unclear | Sampling frame unclear, criteria for inclusion/exclusion not provided or explained. |
| **Confounding variables** | Low | Multivariate model accounting for likely possible confounding variables. |
| High | No consideration of confounding variables; univariate analyses only. |
| Unclear | Methods for analysis not clearly described or reported. |
| **Measurement of exposure** *(performance bias)* | Low | Clearly described method on how data were collected and extracted. Best practice includes description of who performed data extraction (who performed delirium assessment), case definitions/descriptions of eligible conditions. |
| High | Missing data on key delirium assessment methods. |
| Unclear | Methods for assessing delirium not clearly described. |
| **The blinding of the outcome assessment** | Low | Blinding of outcomes detailed. |
| High | Blinding of outcomes not taken into consideration. |
| Unclear | Not reported in articles. |
| **Incomplete outcome data** *(attrition bias)* | Low | Outcomes assessed for all included participants. |
| High | Missing outcome assessments. |
| Unclear | Outcome assessment reported as percentages without absolute values being presented, preventing assessment of completeness of outcome reporting. |
| **Selective outcome reporting** *(reporting bias)* | Low | Reporting as per published protocol. |
| High | Evidence that reporting deviates from publicly accessible protocol/ |
| Unclear | No protocol publicly available. |

RoBANS, Risk of Bias Assessment Tool for Non-Randomised Studies.