Text summary of appendix A2: Appendix two contains the detailed inclusion and exclusion criteria for the systematic search in the three databases.

## **Appendix A2: Inclusion and exclusion criteria**

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| --- | --- |
| Inclusion criteria   * Participants: diagnosis of dementia or possible dementia or studies in which only a part of the whole sample has a diagnosis of dementia or possible dementia * Measurement development studies and psychometric studies for sleep-related measurements to assess sleep disturbances (self-administered, proxy-administered and technological) * Studies describing and investigating the scope and domains included in the sleep measures, theoretical and conceptual frameworks, and the user or patient involvement in their development * All publications that assess the properties of a sleep measurement by population type for validity, reliability, sensitivity (including to models and settings of care), precision, item completion rates, factor structure, responsiveness to predefined changes over time, and included information about item responses and the ability of people living with dementia to complete the measures, acceptability and feasibility related to sleep and sleep disturbances * Development studies without people living with dementia but that included psychometric analyses were retrieved through backward citation tracking to analyze the whole development process of all measurements, especially in relation to the development process, the definition of sleep disturbances and the parties involved in measurement development * Settings: All settings   All publications in English and German language | Exclusion criteria   * All types of cognitive disorders which appeared by birth and are not typical syndromes or sicknesses of the older age * All sleep-related measurements that cannot be applied in nursing home care because they require extraordinary high requirements for instance in terms of space-, personnel- or specific technical requirements that are not usually available e.g., polysomnography * All measurements without access to the full text (after contact to the concerning researchers or published journal) * All types of reviews * Interventional studies   Not published in English or German language |