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# Implementation outcomes for agitation detection technologies in people with dementia: A systematic review protocol

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**We use this protocol and it's working**

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## Abstract

Experiencing agitation can be particularly distressing for people living with dementia and their caregivers. Using technologies to automatically detect agitation can help monitor and intervene agitation occurrences. This systematic review aims to explore the early-stage implementation outcomes related to the use of agitation detection technologies, including video, wearables and multimodal. By adopting a taxonomy of implementation outcomes including acceptability, adoption, feasibility, fidelity, and implementation cost, this review seeks to provide insights crucial for real-world adoption of such technologies for people with dementia. Systematic searches will be conducted in the following databases; SCOPUS, PubMed, PsychINFO, IEEEExplore and CINAHL Plus. Expected results include qualitative themes and quantitative data related to these outcomes, obtained from the perspectives of the people with dementia, their caregivers, and organisational settings such as care homes. The review protocol outlines a comprehensive methodology for data synthesis, including critical appraisal and data extraction processes, to provide a nuanced understanding of the potential challenges and benefits associated with implementing agitation detection technologies in this population.

## Attachments



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