

CADTH RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS

# Environmental Restraints for Dementia Patients in Long- Term Care Facilities: Clinical Effectiveness and Guidelines

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## Research Questions

1. What is the clinical effectiveness of using environmental restraints for geriatric patients with dementia or psychosis in long-term care facilities?
2. What are the evidence-based guidelines regarding the use of environmental restraints for patients with dementia or psychosis in long-term care facilities?

## Key Findings

No relevant evidence was identified regarding the use of environmental restraints for geriatric patients with dementia or psychosis in long-term care facilities.

## Methods

A limited literature search was conducted on key resources PubMed, The Cochrane Library, University of York Centre for Reviews and Dissemination (CRD) databases and a focused Internet search. No methodological filters were applied to limit retrieval by publication type. The search was limited to English language documents published between January 1, 2012 and December 13, 2017. Internet links were provided, where available.

## Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

**Table 1: Selection Criteria**

<b>Population</b>	Geriatric patients with a diagnosis of dementia or psychosis
<b>Intervention</b>	Environmental restraints (e.g., seclusion, quiet time, locked rooms)
<b>Comparator</b>	Verbal or physical redirection (validate emotions, walk away from others, go for a walk, undertake another activity of interest); Chemical restraints; Environmental restraint methods compared with each other
<b>Outcomes</b>	Q1: Clinical effectiveness (benefits or harms); Q2: Guidelines
<b>Study Designs</b>	Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, evidence-based guidelines

## Results

No relevant health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, or evidence-based guidelines were identified regarding the use of environmental restraints for geriatric patients with dementia or psychosis in long-term care facilities.

References of potential interest are provided in the appendix.

## Overall Summary of Findings

No relevant literature was found regarding the use of environmental restraints for geriatric patients with dementia or psychosis in long-term care facilities.

## References Summarized

### Health Technology Assessments

No literature identified.

### Systematic Reviews and Meta-analyses

No literature identified.

### Randomized Controlled Trials

No literature identified.

### Non-Randomized Studies

No literature identified.

### Guidelines and Recommendations

No literature identified.

## Appendix — Further Information

### Systematic Reviews – Alternative Population

1. Gaynes BN, Brown C, Lux LJ, Brownley K, Van Dorn R, Edlund M, et al. Strategies to de-escalate aggressive behavior in psychiatric patients. Rockville (MD): Agency for Healthcare Research and Quality (US); 2016 Jul. (AHRQ Comparative Effectiveness Reviews). [PubMed: PM27536754](#)

### Qualitative Studies

2. Oye C, Jacobsen FF, Mekki TE. Do organisational constraints explain the use of restraint? A comparative ethnographic study from three nursing homes in Norway. J Clin Nurs. 2017 Jul;26(13-14):1906-16. [PubMed: PM27504978](#)

### Review Articles

3. Pritchard JC, Brighty A. Caring for older people experiencing agitation. Nurs Stand. 2015 Mar 25;29(30):49-58. [PubMed: PM25804179](#)
4. Vickland V, Chilko N, Draper B, Low LF, O'Connor D, Brodaty H. Individualized guidelines for the management of aggression in dementia - Part 1: key concepts. Int Psychogeriatr. 2012 Jul;24(7):1112-24. [PubMed: PM22414460](#)