

## Medicines optimisation DEMENTIA CARE

This evidence theme on medicines optimisation is a summary of one of the key topics identified by a scoping review of dementia research.

#### **Key points**

- Medicines optimisation is designed to ensure that medication is safe and beneficial to people living with dementia.
- According to six systematic reviews, the evidence surrounding medicines optimisation was very mixed.
- Some studies report benefits for outcomes such as quality of life, falls, medication use, the use of healthcare services, and mortality. Other studies found little to no effect on these same outcomes.

#### What is medicines optimisation?

Medicines optimisation is a person-centred approach designed to ensure that medication is safe and beneficial for the person living with dementia. [1] There are multiple approaches to optimise medication, including:

 Medication reviews (a systematic check done by a GP, pharmacist, or sometimes a psychiatrist)

- Staff education
- The use of clinical decision support technology
- Multidisciplinary case conferences. [1]

# Is medicines optimisation effective?

We found six systematic reviews that assessed the impact of medicines optimisation for people living with dementia. Overall, the evidence surrounding medicines optimisation was very mixed. Some studies report benefits for certain outcomes, but other studies found little to no effect. Currently, it is unclear whether medicines optimisation interventions have any impact on:

- Quality of life [2]
- Falls and safety [2-4]
- Use of psychotropic and/or antipsychotic medication [2-6]

### **Medicines optimisation**



- Healthcare use (e.g., hospital admission, GP and emergency department visits) [2, 3]
- Mortality. [2, 3]

#### **Evidence limitations**

The reviews highlighted concerns about the methods used in some of the studies. This reduces the degree of certainty we might have about the benefits of medicines optimisation. For example,

- Some studies only had a small number of participants. [2, 3]
- Potentially important outcomes were not assessed (e.g., staff and physicians' opinions on medicines optimisation). [1, 5]
- Studies were not always clear about what they did and what they found. [2-5]

#### What can an individual do?

- Be familiar with Australian guidelines on medication management for people living with dementia.
- See PalliAGED webpage Withdrawing treatment and deprescribing for practice tips. <u>www.palliaged.com.au/</u> <u>tabid/4429/Default.aspx</u>
- Refer or escalate to your line manager any medicationrelated concerns you may have for a person living with dementia.
- Complete online learning about medication and dementia. See ARIIA Knowledge Hub Resources.

#### What can the organisation do?

- Encourage and support staff to undertake regular training and be familiar with current guidelines and tools.
- Invite GPs or pharmacists to undertake regular medication reviews in both residential and home care (funded under Medicare). [7, 8]
- Organise multidisciplinary case conferences to discuss individuals' care needs and goals.

#### References

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ARIIA was established as an independent, not-for-profit organisation, set up to lead the advancement of the aged care workforce capability by promoting and facilitating innovation and research to improve the quality of aged care for all Australians.



