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# WESTERN SYDNEY UNIVERSITY

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Nursing and Midwifery



REPORT OF THE RESEARCH PROJECT:

# SHORT-TERM PSYCHO-EDUCATION FOR CAREGIVERS TO REDUCE OVERMEDICATION OF PEOPLE WITH INTELLECTUAL DISABILITIES (SPECTROM)

AN AUSTRALIAN FEASIBILITY STUDY







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## **DISCLAIMER:**

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# BACKGROUND

Up to 60% of adults with intellectual disability may display behaviours of concern. Oftentimes, these behaviours are a form of communication, such as for pain, to gain something or to avoid something. Although there is not a lot of evidence suggesting that they are effective, psychotropic medications (medications that affect mood, behaviour, thoughts and emotions) are often prescribed without a psychiatric diagnosis to help manage such behaviours (Deb, Bertelli, and Rossi 2022, Sheehan et al., 2015).

Behaviours of concern are escalated behaviours that can impact the wellbeing, rights or physical safety of an individual or those around them.

(DEPARTMENT OF HEALTH AND HUMAN SERVICES, 2018)

Disability support workers are important in the lives of many people with intellectual disability. Their role often extends to influencing what types of support strategies are used, and this includes the prescribing and administration of psychotropic medications (de Kuijper & van der Putten, 2017; Donley et al., 2012). In the Australian context, although the scope of practice for disability support workers around health, both physical and psychological, remains unclear, providing appropriate training for them is vital. This extends to helping them to learn about psychotropic medications, as well as alternatives to them in order to try to reduce their use (Richter et al., 2012).

# WHAT IS SPECTROM?

SPECTROM is a suite of resources developed in the UK to offer disability support workers a tool to increase their knowledge about psychotropic medications, and their alternatives (Deb, Limbu, Crawford, & Weaver, 2020). Not only does SPECTROM aim to educate and empower disability support workers, but also help them to better understand the person they support, regulate their own responses to others behaviour, and advocate for the people they support. For more information about SPECTROM, click on this link: (https://spectrom.wixsite.com/project)

# WHAT IS ALREADY KNOWN ABOUT SPECTROM?

A pilot study in the UK showed that SPECTROM training offered several positive outcomes to staff who participated in the pilot:

- Helped change staff attitude toward behaviours of concern and their management,
- 2. Improved staff's self-reflection skills,
- **3.** Improved staff knowledge about psychotropic medications,
- **4.** Improved the support to adults with intellectual disability,
- Empowered the staff (Deb, Limbu, Unwin, Woodcock, Cooper, & Fullerton, 2021).

While these are wonderful outcomes. the disability support sector in the UK is quite different to Australia, as there are no Community Intellectual Disability Teams in Australia like there are in the UK. These specialist teams provide vital support to people with intellectual disability and their support staff from health professionals such as clinical psychologists, intellectual disability nurses, psychiatrists, behaviour therapists, speech and language therapists, occupational therapists and social workers (Mafuba & Gates 2015). This support includes health professionals with the scope of practice to support complex areas such as reducing psychotropic medications. Finding out if SPECTROM is appropriate and feasible in the Australian context is an important step in the goal to reduce the use of psychotropic medications in Australians with intellectual disability.

# **OBJECTIVES OF THE AUSTRALIAN PROJECT**

- 1. Explore the feasibility of SPECTROM in the Australian context,
- Identify if SPECTROM increased staff knowledge of psychotropic medication and attitudes toward behaviours of concern,
- **3.** Describe Australian disability support workers' perceptions of SPECTROM,
- Understand how Australian disability support workers perceive their role in this complex area of practice.

### **ETHICS APPROVAL**

Approval was received from the Western Sydney University Human Research Ethics Committee (Project ID: H14559). No adverse events were reported.

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# SPECTROM TRAINING

SPECTROM training consisted of eight hours of training, divided into two, four-hour modules. The first module focused on psychotropic medications, and the second module focused on alternatives to medications for behaviours of concern. All training was delivered virtually using Zoom. One group of staff was based in NSW and the other in Victoria, with training for each group occurring on a different day and delivered by different trainers. The first module was presented by registered nurses with expertise in supporting adults with intellectual disability and complex support needs. The second module was presented by a registered psychologist (NSW) and a registered nurse (Victoria) with expertise in behaviours of concern and positive behaviour support.

## MEASURING KNOWLEDGE, ATTITUDES, & TRAINEE FEEDBACK

The disability support staff completed three surveys:

- **1.** Psychotropic Knowledge Questionnaire (PKQ),
- 2. Management of Aggression and Violence Attitude Scale, Revised, Intellectual Disabilities (MAVAS-R-ID),
- 3. Trainee Feedback Questionnaire (TFQ).

The PKQ was used to assess knowledge of psychotropic medications and is a 50-item questionnaire with a maximum score of 50. Higher scores = greater knowledge. Eight items were focused on individualised approaches to supporting medication use/review/withdrawal in people with intellectual disabilities. Fortytwo items covered clinically important items such as: different drug classes, serious adverse

### THE DISABILITY SUPPORT STAFF

A total of thirty-three staff completed the entire eight hours of the training programme. Of these, ten were interviewed once the training had been completed.

THE DISABILITY SUPPORT STAFF		N = 33 (%)
Gender	Male	8 (24)
	Female	25 (76)
Age (years)	Mean	45
	Range	21 - 63
State	Victoria	11 (33)
	New South Wales	22 (67)
Highest qualification	Vocational Certificate	22 (67)
	Bachelor's Degree	5 (15)
	Post-graduate Degree	5 (15)
	Not reported	1(3)
Job title	Disability support worker	13 (39)
	House/Operations Manager	14 (42)
	Practice support coordinator	3 (9)
	Health Professional	3 (9)

outcomes, common side effects, and minimum routine screening tests for people taking Risperidone and Lithium.

The MAVAS-R-ID assessed attitudes toward non-pharmacological approaches to supporting behaviours of concern. Twenty-two questions covered five domains: (1) internal causative factors, (2) external causative factors, (3) situational/interactional causative factors, (4) management-medication, and (5) management-non-medical. The MAVAS-R-ID has a maximum score of 110 and higher scores indicated an improvement in staff attitudes towards people with intellectual disabilities who display behaviours of concern.

The TFQ consisted of thirty-eight items and determined the applicability, acceptability, practicality, relevance and delivery of SPECTROM

## **INTERVIEWS**

Semi-structured individual interviews were used to gather feedback from some of the disability support staff who attended the training. The interviewer was a registered nurse who did not deliver any of the training. Questions were asked about experiences of receiving SPECTROM training, the content that was delivered, and how it was delivered. In addition, questions were asked about how applicable SPECTROM was to the Australian context.

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# STAFF PERCEPTIONS OF THE SPECTROM TRAINING COURSE











