

Efficacy, feasibility and usability of a facial recognition technology integrated mobile app for identifying the presence and severity of pain in institutionalised patients with dementia.

ACTRN12616001003460

Status	RECRUITING
Sponsor	Curtin University
Enrollment	250 participants

Plain Language Summary

This study is for older people living in residential aged care facilities who have moderate to severe dementia and cannot easily communicate when they are in pain. It tests whether a smartphone app using facial recognition software can automatically detect pain in these residents, by reading facial expressions linked to known pain signals — helping carers give pain relief at the right time.

You may be eligible if:

- You are 60 years of age or older
- You have been diagnosed with moderate to severe dementia
- You have been living in a high-level dementia care unit for more than 3 months
- You have a history of chronic pain conditions, recent falls, skin infections, or chronic wounds

You may NOT be eligible if:

- You are clinically unwell at the time of the study
- Clinical or aged care staff determine it is inappropriate for you to participate

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (1)

- (1) are 60 years or older; (2) have been diagnosed with moderate-to-severe dementia with a current MMSE score equals 9 or PAS equals 10 and/or HDS less than 160; (3) are living in a high-level care designated dementia unit; (4) are dwelling greater than 3 months in the care home; and (5) possess a documented history of any of the followings: (a) chronic pain conditions such as, but not limited to, joints pain (osteo- and rheumatoid arthritis), osteoporosis, chronic back pain, compression fracture, neuropathic and post-herpetic pain; (b) have had a recent or history of falls; (c) presence of skin infections e.g. shingles, active or chronic wounds e.g. pressure sores and skin tears; and/or (d) have a long-lasting infection(s) such as cellulitis and osteomyelitis.

Exclusion (1)

- If the resident is clinically unwell, deemed ineligible or if it is inappropriate to include as decided by clinical or aged care staff.

Locations (1 total)

WA,VIC, Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12616001003460>

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