University of Wollongong

Research Online

Faculty of Science, Medicine and Health - Papers: part A

Faculty of Science, Medicine and Health

1-1-2014

Effects of physical activity on health and well-being of individuals living with a dementia in residential accommodation: a systematic review

Lindsey Brett University of Wollongong, lkb267@uowmail.edu.au

Victoria Traynor University of Wollongong, vtraynor@uow.edu.au

Paul J. Stapley University of Wollongong, pstapley@uow.edu.au

Follow this and additional works at: https://ro.uow.edu.au/smhpapers

Part of the Medicine and Health Sciences Commons, and the Social and Behavioral Sciences Commons

Recommended Citation

Brett, Lindsey; Traynor, Victoria; and Stapley, Paul J., "Effects of physical activity on health and well-being of individuals living with a dementia in residential accommodation: a systematic review" (2014). *Faculty of Science, Medicine and Health - Papers: part A*. 2794. https://ro.uow.edu.au/smhpapers/2794

Research Online is the open access institutional repository for the University of Wollongong. For further information contact the UOW Library: research-pubs@uow.edu.au

Effects of physical activity on health and well-being of individuals living with a dementia in residential accommodation: a systematic review

Abstract

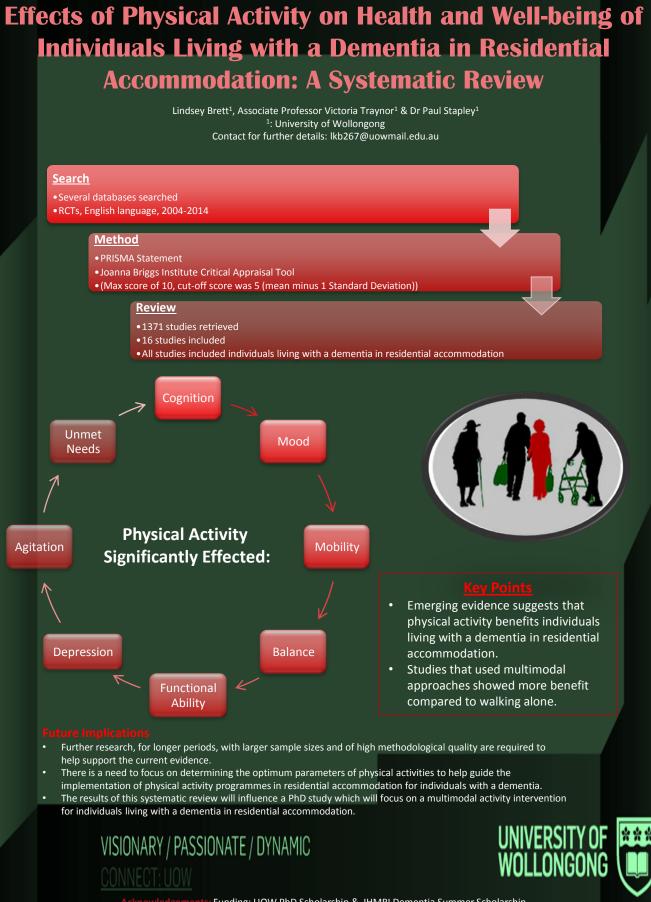
Poster presented at 47th AAG National Conference, Adelaide, 26-28 November 2014.

Disciplines

Medicine and Health Sciences | Social and Behavioral Sciences

Publication Details

L. Brett, V. Traynor & P. Stapley (2014). Effects of physical activity on health and well-being of individuals living with a dementia in residential accommodation: a systematic review. Poster presented at 47th AAG National Conference, Adelaide, 26-28 November 2014.



nowledgements: Funding: UOW PhD Scholarship & IHMRI Dementia Summer Scholarship

Effects of physical activity on health and well-being of individuals living with a dementia in residential accommodation: a systematic review

Lindsey Brett, Associate Professor Victoria Traynor & Dr Paul Stapley

University of Wollongong Contact for further details: lkb267@uowmail.edu.au

Background

Physical activity has many benefits for older people but there is limited good quality evidence evaluating the benefits for individuals with a dementia, in particular those living in residential accommodation (Forbes et al. 2013).

Aim

The aim of this study was to evaluate evidence about the effect of physical activity on health outcomes for individuals living with a dementia in residential accommodation.

Method

The studies reviewed were retrieved from searching a range of academic databases and evaluated using Joanna Briggs Institute critical appraisal tools.

Findings

A total of research 20 studies were retrieved and critically reviewed. The quality of studies varied widely, including the methods, type of intervention and outcome measures used. Many studies were multi-component exercise programs, though the actual activities and parameters of each program varied greatly. Outcome measures most commonly considered were cognition (n=13), physical ability (n=8), functional ability (n=5) and/or mood (n=5). There were positive effects associated with the uptake of physical activity by individuals living with a dementia in residential accommodation, such as improvement in physical ability (6m walking speed: 0.33 to 0.65 m/sec in two studies), functional ability (Barthel Index: 34 to 42 in one study) and cognitive ability (Clock Drawing Test: 3.5 to 4.1 in one study). Limitations of the studies included small sample size, short duration and lack of detail about the study design.

Conclusion

Further research is required to improve the quality of study design and provide evidence to support and enhance the current findings to enable professionals working in this area to implement successful physical activity programs. The results from this literature review are informing the physical activity intervention implemented and evaluated as part of a PhD study undertaken by the first author for individuals with a dementia in residential accommodation.

References:

Forbes, D, Thiessen, EJ, Blake, CM, Forbes, SC, Forbes, S 2013 'Exercise programs for people with dementia (review)', The Cochrane Library, issue 12, pp 1-73.