



Challenge ResCare: Abstract

Full Title: A cluster randomised trial of a dementia -challenging behaviour web-based training and decision support system, for staff working in residential and nursing homes.

Objectives: The main objective of this trial is to determine whether the experimental intervention (web system) reduces the frequency and severity of challenging behaviours in people with dementia living in a care home. Secondary objectives include determining whether the intervention reduces distress and enhances quality of life for everyone within the home, improves coping and effectiveness in the care home workers and whether it is cost effective.

Study Design: This is a cluster randomised control trial testing the experimental intervention in a random sample of care homes in North and East Yorkshire, Hull and York. The sample will be randomised by home after baseline measures have been collected, where all recruited residents in a home will be allocated to either the experimental or control group. Researchers will remain blind to which group homes are randomised to.

Participants: People living in care homes with or without nursing care and care home staff.

Sample: Homes with at least 25 beds listed on the Care Quality Commission website as old age care homes, with a rating of 'good' or 'excellent', with or without nursing care would be eligible for inclusion in the trial. Recruitment will cease once 48 homes are recruited into the study.

Interventions: An interactive web-based training and decision support system to be used by care home staff to manage challenging behaviours in people with dementia. This is a functional analysis-based psychosocial intervention.

Main Outcome Measure: The primary outcome measure will be the Neuropsychiatric Inventory with Caregiver Distress Scale (NPI-D). Secondary outcome measures will also be used.

Trial Registration: [ISRCTN 02553381](https://www.isrctn.com/ISRCTN02553381)

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