

DACHA

Developing resources And minimum data set for Care Homes' Adoption



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DACHA AIMS

- To establish what data need to be in place to support research, service development and uptake of innovation in care homes (Work Packages (WP) 1-3)
- To synthesise existing evidence and data sources with care home generated resident data to deliver an agreed data set – **minimum data set (MDS)** – that is usable and authoritative for different user groups (Work Packages 4-5)

Work Package 1 Evidence Synthesis



Review 1: Scoping review of outcome measures from international older adult care home intervention research

- 396 included studies published 2015-2022
- Substantial heterogeneity in assessment and outcome measures
- Few sensitive enough to measure change over time in this population
- Further work needed to achieve a consensus on appropriate measures for research with residents, families and staff.

Review 2: Systematic review & framework synthesis of complex intervention research processes in care homes

- 33 studies RCT process evaluations published 2005-2019
- Evidence of “drift” in studies focus over time
- Key recommendations and resources to help reduce research waste and sustain care home engagement.

Work Package 2 Trials Archive



- Pooled anonymised individual participant data from six UK RCTS since 2010 (representing c.6000 residents from 340 care homes).
- More trials eligible, including non-UK.
- Data available for secondary analysis from 2024 via www.VirtualTrialsArchives.org
- A major resource to reduce research burden on care homes and optimise data use

Work Package 3 Realist Review and Survey



Realist Review: International comparison of how minimum data sets are implemented in care homes

- National mandates and regulator incentives trigger MDS uptake **but** to be meaningful for practice MDS needs to inform staff-to-staff conversations and decisions.
- Risk seen as unrelated to care work
- Digitally prepared staff improve the quality of information collected in MDS.

National survey on data collection in care homes: July-Sept 2021

- 273 respondents, representing 5000 care homes in England.
- COVID-19 accelerated adoption of technology for data collection and sharing.
- Data on medications, health conditions, cognition, frailty, and NEWS (National Early Warning Score) updated monthly by most.
- Limited use of Quality-of-Life measures

Work Package 4 Data Linkage



- Led by The Health Foundation
- Involves three Integrated Care Systems (ICS): Surrey Heartlands, Nottingham & Nottinghamshire, North East & North Cumbria
- Identifying care home residents' information from routine NHS and Local Authority data sets.
- Creating a linked administrative dataset on care home residents, one for each ICS.

Work Package 5 Piloting Prototype MDS



- A pilot of the prototype minimum data set in up to 60 care homes in three ICS sites
- Working with two software providers to upload information from consented residents
- Resident information is linked to their information held by ICS (Work Package 4)
- Assessing the acceptability, psychometric properties, and utility to health and social care staff and linked organisations.
- Assessing the feasibility of collecting data directly from care homes and matching this to routinely collected health and social care data
- Assessing the quality and usefulness of the MDS data for care delivery, review, commissioning and quality improvement.

Patient and Public Involvement and Engagement (PPIE)



- Ensures residents and relatives' aspirations, experiences and concerns about information sharing are at the centre
- Reflects the everyday realities of living and working in a care home.
- Guides and comments on the design, delivery and fundings of each WP
- Bimonthly Panel meeting, two residents' groups facilitated by activity coordinators and PPIE members on the research team

Online national consultation activities



To ensure the focus and content of the MDS are discussed at key stages of the study

- **First** consultation (2021) on how different stakeholders used/shared care home data during the COVID-19 pandemic.
- **Second** consultation (2022) on how to best capture quality of life data in care homes.
- **Third** consultation (2023-4) on study findings, MDS content and implementation.

Developing a minimum data set for homecare



The DACHA Domiciliary Care study (SWAP - Study within a Project) explores the potential of a national Minimum Data Set for homecare (domiciliary care).



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