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# From Trials to Quality Improvement

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University of Nottingham

Theme Lead – Building Community Resilience and  
Enabling Independence (BCREI) – ARC-EM



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**NIHR**

Applied Research Collaboration  
East Midlands

# Julienne Meyer – a mentor and hero

- How to listen
- How to be humble
- How to recognize expertise when I see it
- How to build bridges and networks





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## **Multifactorial falls prevention programme compared with usual care in UK care homes for older people: multicentre cluster randomised controlled trial with economic evaluation**

Pip A Logan,<sup>1,2,3,4</sup> Jane C Horne,<sup>1</sup> John R F Gladman,<sup>1,3,4,5</sup> Adam L Gordon,<sup>1,3,4,6</sup> Tracey Sach,<sup>7</sup> Allan Clark,<sup>7</sup> Katie Robinson,<sup>1,5</sup> Sarah Armstrong,<sup>1</sup> Sue Stirling,<sup>7</sup> Paul Leighton,<sup>1</sup> Janet Darby,<sup>1</sup> Fran Allen,<sup>1</sup> Lisa Irvine,<sup>8</sup> Ed C F Wilson,<sup>7</sup> Chris Fox,<sup>9</sup> Simon Conroy,<sup>10</sup> Gail Mountain,<sup>11</sup> Karen McCartney,<sup>1</sup> Maureen Godfrey,<sup>12</sup> Erika Sims<sup>7</sup>



**COMMENTARY**

**The COVID-19 pandemic has highlighted  
the need to invest in care home research  
infrastructure**

ADAM L. GORDON<sup>1,2</sup>, CAROLINE RICK<sup>3</sup>, ED JUSZCZAK<sup>3</sup>, ALAN MONTGOMERY<sup>3</sup>, ROB HOWARD<sup>4</sup>,  
BRUCE GUTHRIE<sup>5</sup>, WEI SHEN LIM<sup>6</sup>, SUSAN SHENKIN<sup>7</sup>, PAUL LEIGHTON<sup>1</sup>, PHILIP M. BATH<sup>8,9</sup>,  
THE PROTECT-CH TRIALLISTS



# Age and Ageing

## **Health status of UK care home residents: a cohort study**

ADAM LEE GORDON<sup>1</sup>, MATTHEW FRANKLIN<sup>2</sup>, LUCY BRADSHAW<sup>1,3</sup>, PIP LOGAN<sup>3</sup>, RACHEL ELLIOTT<sup>2</sup>, JOHN R.F. GLADMAN<sup>1</sup>

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# HEALTH SERVICES AND DELIVERY RESEARCH

VOLUME 5 ISSUE 29 OCTOBER 2017  
ISSN 2050-4349

## Optimal NHS service delivery to care homes: a realist evaluation of the features and mechanisms that support effective working for the continuing care of older people in residential settings

*Claire Goodman, Sue L Davies, Adam L Gordon, Tom Denning, Heather Gage,  
Julienne Meyer, Justine Schneider, Brian Bell, Jake Jordan, Finbarr Martin,  
Steve Iliffe, Clive Bowman, John RF Gladman, Christina Victor,  
Andrea Mayrhofer, Melanie Handley and Maria Zubair*





JOURNAL ARTICLE

## How quality improvement collaboratives work to improve healthcare in care homes: a realist evaluation

Reena Devi, Neil H Chadborn, Julienne Meyer, Jay Banerjee, Claire Goodman, Tom Dening, John R F Gladman, Kathryn Hinsliff-Smith, Annabelle Long, Adeela Usman ... [Show more](#)

*Age and Ageing*, Volume 50, Issue 4, July 2021, Pages 1371–1381, <https://doi.org/10.1093/ageing/afab007>

**Published:** 16 February 2021 **Article history** ▼





## A Quality Improvement Collaborative focussed on safety in care homes in the East Midlands: Lessons learned and possible models for scale-up

Adam Gordon<sup>1,2,3</sup>, Bridget O'Hagan<sup>1</sup>, Natalie Riley<sup>1</sup>, Eddie Alder<sup>1</sup>, Glen Howard<sup>1</sup>, Stephen Wade<sup>1</sup>, Lukasz Tanajewski<sup>1</sup>, Gail Allsopp<sup>1,2</sup>





# Care Homes

## LPZ Audit 2019

The AHSN Network



65

care homes took part in 2019



57% of these homes are new to the LPZ audit in 2019



The mean age of residents was...



The median length of residence in days was



1,617 residents were represented in the final data



1,104 (68%) were from a nursing care home



513 (32%) were from a residential care home

### OF ALL THE 1,617 RESIDENTS...



1,141 (71%) ...had dementia diagnosis



226 (14%) had a stroke diagnosis



474 (29%) malnourished according to MUST



584 (36%) ...had fallen in the last 12 months  
213 (13%) ...had fallen in the last 30 days



68% were female



1,354 (84%) were at risk of developing a pressure ulcer according to Braden



145 pressure ulcers were identified over 109 (7%) residents



29 (20% of 145) pressure ulcers were present at the point of admission



116 (80% of 145) pressure ulcers were reported as starting in the care home

For copies of the full EMAHSN Health Analytics and Informatics data pack on Care Homes please contact the EM PSC team:

[emahsn@nottingham.ac.uk](mailto:emahsn@nottingham.ac.uk)

[www.emahsn.org.uk/PatientSafety](http://www.emahsn.org.uk/PatientSafety) | [#CareHomesLPZ](https://twitter.com/CareHomesLPZ)



**Overview**

**Detailed View**

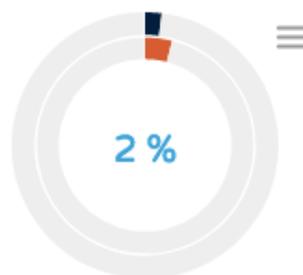
**Measurement**

November 2016

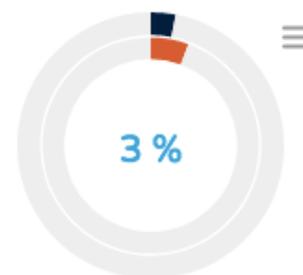
## Prevalence rates



Nosocomial PU (cat. 1 and higher)



Nosocomial PU (cat. 2 and higher)



Nosocomial PU (cat. 2 and higher) of at risk residents according to clinical view



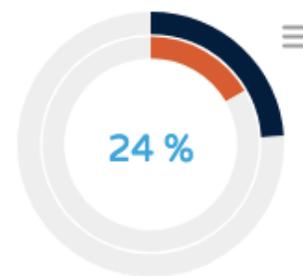
Nosocomial urinary incontinence prevalence



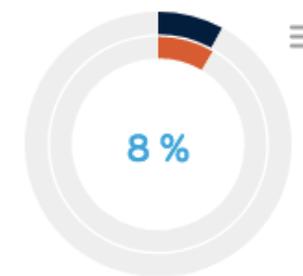
Nosocomial faecal incontinence



Double incontinence prevalence



Malnutrition



Nosocomial prevalence of falls last 30 days

# DACHA

Developing resources And minimum data set for Care Homes' Adoption





COVID-19 National Diagnostic Research  
and Evaluation Platform

**NIHR** | London In Vitro  
Diagnostics Co-operative

**NIHR** | Leeds In Vitro  
Diagnostics Co-operative



**NIHR** | Community Healthcare  
MedTech and In Vitro  
Diagnostics Co-operative



# NEWS

Home Coronavirus US Election UK World Business Politics Tech Science Health Family & Education

Health

## Coronavirus: Rapid tests in care homes a 'game-changer'

By Alison Holt  
Social Affairs Correspondent, BBC News

12 November

Coronavirus pandemic



Staff have been trained to analyse Covid tests in care homes as part of a trial

## Is point-of-care testing feasible and safe in care homes in England? An exploratory usability and accuracy evaluation of a point-of-care polymerase chain reaction test for SARS-CoV-2

Massimo Micocci, Adam L Gordon ✉, Mikyung Kelly Seo, A Joy Allen, Kerrie Davies, Dan Lasserson, Carl Thompson, Karen Spilsbury, Cyd Akrill, Ros Heath ... Show more

*Age and Ageing*, Volume 50, Issue 5, September 2021, Pages 1464–1472,

<https://doi.org/10.1093/ageing/afab072>

Published: 21 April 2021 Article history ▾



# Conclusions

- There remain places where trials will answer the questions we need to address in care homes.
- But they're difficult to do, the infrastructure's not there yet, and they won't always provide the answers.
- QI projects can harness the enthusiasm and expertise of care home staff.
- It too, though, can be challenging to do, and the infrastructure's not there yet.
- The service evaluation and QI space provides opportunities for researchers and providers alike.
- Deft research groups working in this area will be more effective if they can move between these modalities.