

The importance of public health in care homes and domiciliary care: a mixed-methods programme

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Where we were starting from

Objective within the ARC KSS Public Health theme:

"To co-produce, and where already implemented evaluate, one or more interventions aimed at supporting the wellbeing of older people living at home and requiring adult social care services, without needing hospital admission/repeated hospital admission"

Existing portfolio on prevention and control of infection in care homes.

COVID-19 struck...



A programmatic ARC wide approach to supporting health in domiciliary care

	Ethnography and qualitative research	The impact of COVID-19The impact of the response
	Implementation	Engagement with staff and providersEngagement with policymakers at all level
	Integration of quantitative and qualitative research	 Qualitative interviews adapted to collect parameter data for mathematical modelling of COVID-19 transmission
	Innovation in methodology and research governance	Develop and implement remote methods of working with participants
	Develop and support a Community of Experience	Establishment of a community for co-production and identification of priorities.

What is domiciliary care (sometimes called home care)?

Mostly women, lone work or in pairs

Travel between clients in own car, public transport or on foot – this time is rarely paid.

No work "base"

Complex visits which integrate tasks which in a hospital would usually be allocated to different staff. E.g. make a sandwich, support toilet visit in a 30 minute visit.

No occupational health service or programmes to support protection against vaccine preventable infection.

Very little national guidance, rarely updated, and poorly adapted to the domestic setting.



What we wanted to explore



(A) Development and reception of COVID-19 infection control guidance for social care during first wave of the pandemic

(B)Experiences, concerns and solutions to implementing guidance in practice in domiciliary and residential care

What we did



"This picture shows us distancing at her door. In addition18/01/21 to this, we talk on the phone" - DC2, photo diary,

(A) of (1) National guidance for adult social care, and (2)

NewsReviewpaper coverage of infection control issues in adult social care.



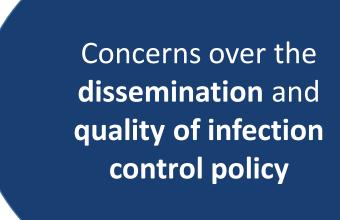
(B) Semi-structured **interviews** with care workers and managers in domiciliary and residential care (November 2020 to January 2021). One domiciliary care worker also took part in an **audio and photo diary**.

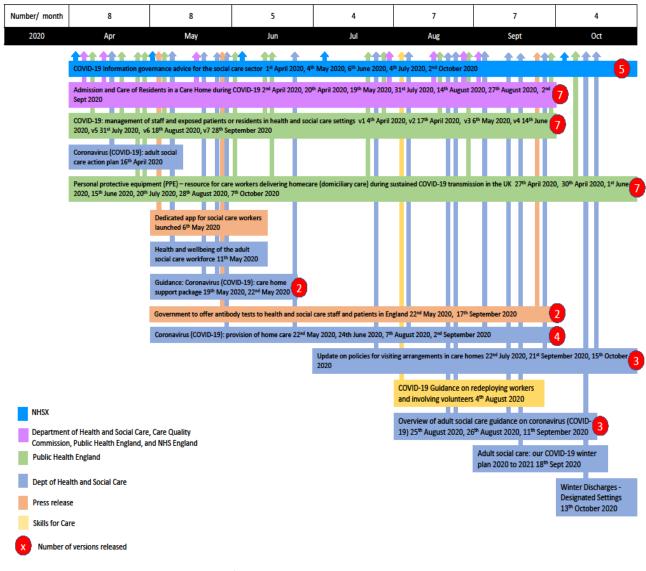
A snapshot of the findings

Frustration for the marginalisation, neglect and negative image of the sector in policy response and public discourse

"I think it has been really, really difficult for a lot of our carers (...) because quite often they're short staffed and so they're having to work harder and they're exhausted and they're picking up extra shifts and I think it'd be nice for them to have a little bit more recognition than they get." (Residential Care Managr 1)

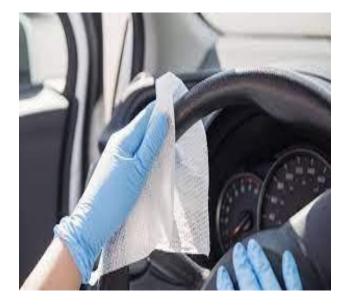
"We don't get paid enough for what we do. And the Government has just put a payfreeze on Care Workers for the next three years. That's nice isn't it?" (Residential Care Worker1)





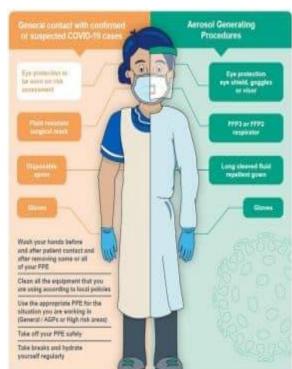
Timeline of guidance release, April to October 2020

The sector's own proactivity in developing best practice and adapting inadequate or missing guidance





"To start, I wash my hands, put on an apron, then the whole surface is washed with antibac, and dried with kitchen roll" - DC2, photo diary, 09/01/21



https://www.agincare.com/news/ppe-carerscare-home-staff-home-care-coronavirus/

Implementation Strategy

Our research priorities and implementation activity should be informed by the needs of local care systems and the local population

Use stories of people's experience to develop research questions that address needs

Engage with system leaders to align priorities

Understand existing models of care, innovative practice and their evidence base

Feedback and disseminate findings to academia, to inform research design and ARC research activities

Understand and consider needs, opportunities, barriers and enablers to implementation

Improve health and social care outcomes for the public and front-line through implementation of research that:

- recognises needs and priorities
- is evidence-based
- is co-produced
- Is cost effective and sustainable

Community of Experience **Area of** Shared **Interest** -Homecare Knowledge Exchange, **Community** Needs Coming Articulation, Together **Implementation** Increased knowledge share, skills and capabilities of members – capacity building

Shared Guest CRN speakers

Supports collaboration and participation

Supports discovery and needs articulation

Digital Innovation Membership D2A PEOLC

Identifies gaps, supports development of research questions,

facilitates co-design and co-delivery

Provides a platform for the dissemination and implementation

Supporting care workers during COVID

Supporting ICS strategic plans (workforce)

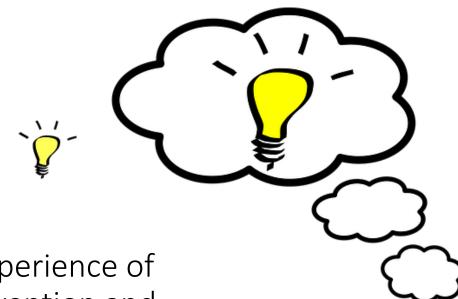
Nutrition and hydration

IPC

Next step: Infection Prevention and control in home care

- Community of Experience
- Challenges around guidance
- Navigating and adapting







Objectives

- To investigate providers' access to and reception of relevant guidance for infection prevention and control
- To explore the perceptions and experiences of infection prevention and control practices of different stakeholders (recipients of home care and their carers/relatives, care providers and care workers, home care commissioners)
- To explore barriers and facilitators to effective infection prevention and control measures appropriately adapted to home care

How?

- Study question
 - What contexts and mechanisms interact to facilitate or hinder infection prevention and control in home care?
- Study Design
 - Mixed-method study applying realist evaluation
- Participants
 - Recipients of homecare and their carers/relatives
 - Care providers and care workers
 - Homecare commissioners and policy makers



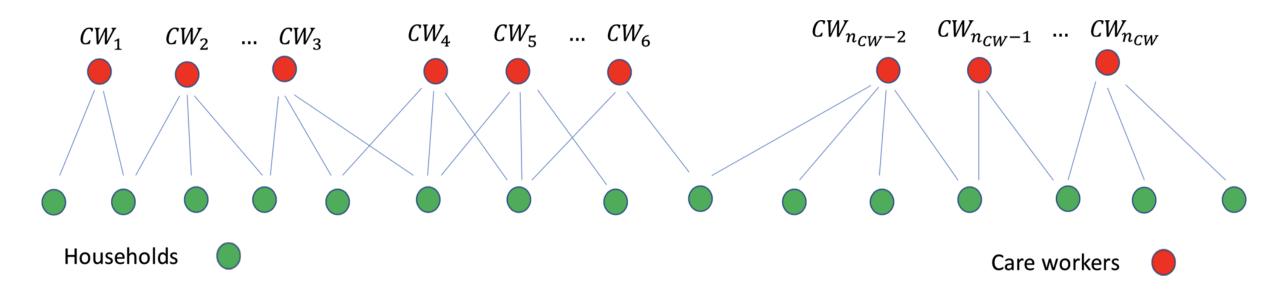




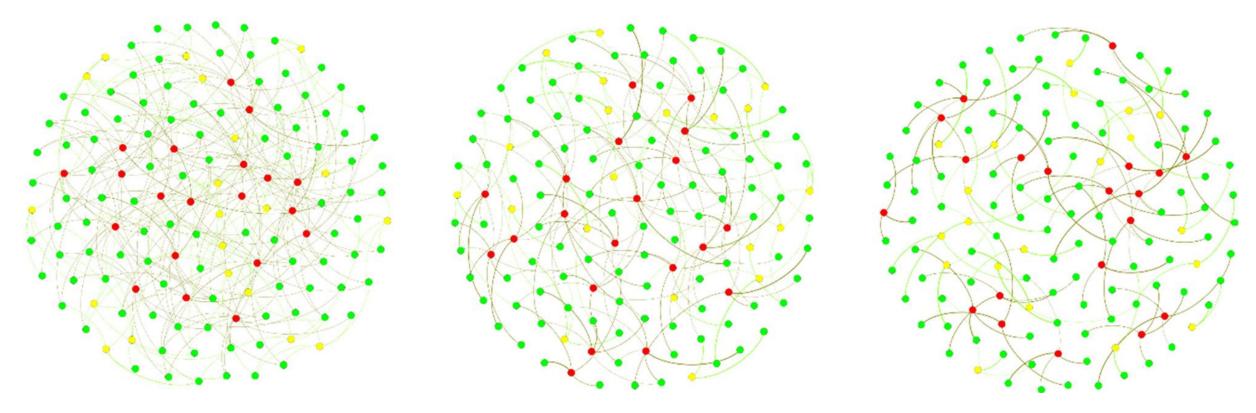




How can risk of COVID-19 transmission be minimised in domiciliary care for older people?



Brown lines, connections; Green dots, households; red dots, full time care workers; yellow dots, part time care workers



Minimum peak proportion of infection and smallest overall size of infection achieved when care workers have the highest chances of being allocated a visit to the same client they visited before.

30%, 60% and 100% staff repeats at return visits = reduction in average proportion of deaths of \sim 15%, \sim 66% and \sim 98%, respectively.



Epidemiology & Infection

How can risk of COVID-19 transmission be minimised in domiciliary care for older people: development, parameterisation and initial results of a simple mathematical model

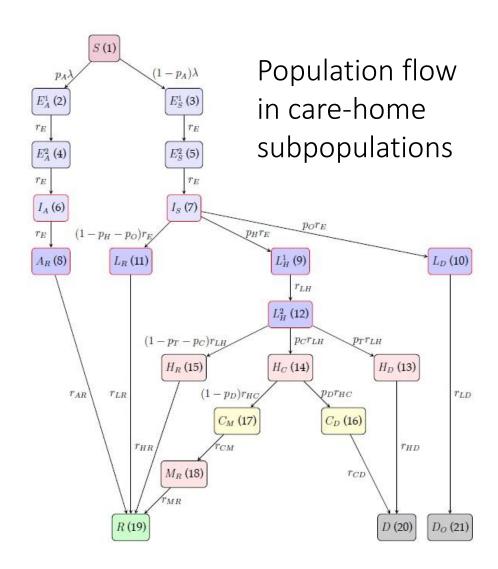
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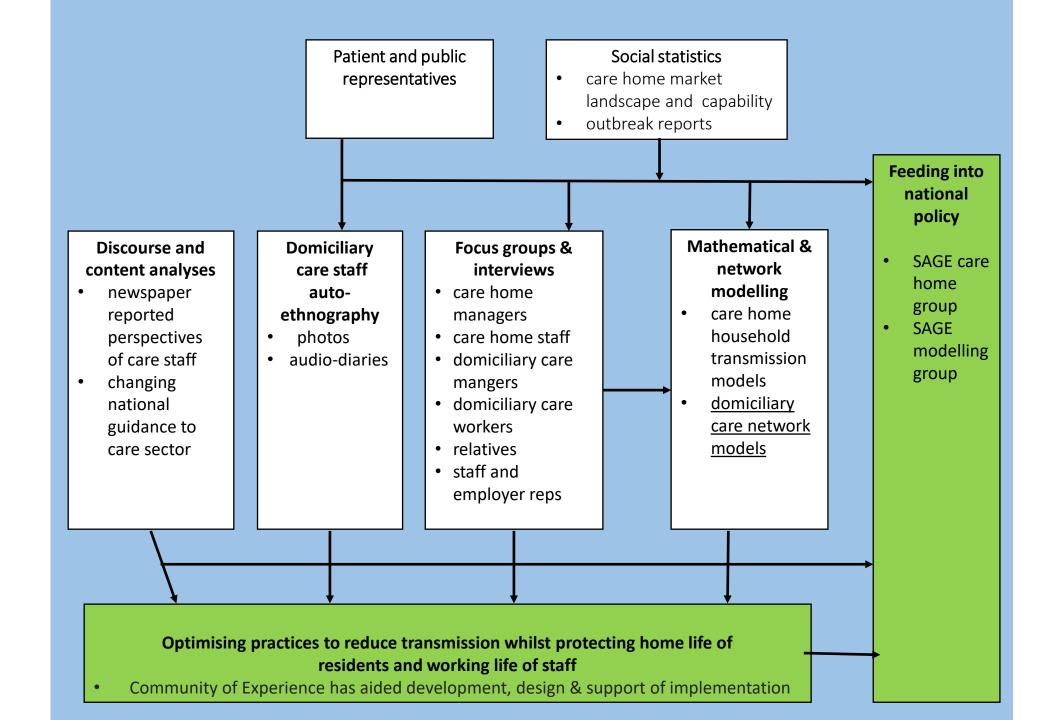
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Daniel Roland, Lavinia Bertini, Leanne Bogen-Johnston, Wendy Wood, Rebecca Sharp,
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Epidemic modelling and statistical support for policy: sub-populations, forecasting, and long-term planning

Thomas Allan House (Principal Investigator)
Jo Middleton (Co-Investigator)
Arkadiusz Wisniowski (Co-Investigator)
Jacqueline Anne Cassell (Co-Investigator)
Ian Hall (Co-Investigator)
Shazaad Ahmad (Co-Investigator)
Roger Thomas Webb (Co-Investigator)
Feng Xu (Researcher)





And now?



- Working with Community of Experience on coproduction and prioritisation to complete programme of existing ARC.
- Working up priorities identified for new funding opportunities (e.g. food and drink in wellbeing)
- Build on existing work to build an ambitious programme of implementation research on public health in domiciliary care, beyond COVID-19 and fully integrated with other ARC Themes.



Thank you for listening and please come and talk to us at the world-café or contact us afterwards

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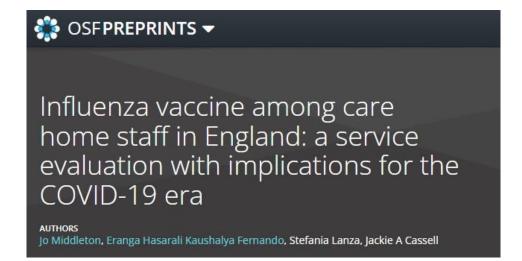
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https://www.cambridge.org/core/journals/epidemiology-and-infection/article/how-can-risk-of-covid19-transmission-be-minimised-in-domiciliary-care-for-older-people-development-parameterisation-and-initial-results-of-a-simple-mathematical-model/35EEB84154FC3638BBB2F831A01261BD



https://osf.io/4uzb5/



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COVID-19 management in social care in England: a systematic review of changing policies and newspaper reported staff perspectives

Lavinia Bertini, Leanne Bogen-Johnston, [10] Jo Middleton, Wendy Wood, Shanu Sadhwani, Julien Forder, Daniel Roland, Rebecca Sharp, John Drury, [10] Jackie A Cassell doi: https://doi.org/10.1101/2021.11.17.21266410

Open access Original research

BMJ Open COVID-19 health information needs of older adults from ethnic minority groups in the UK: a qualitative study

Priyamvada Paudyal ¹, Emily Skinner, Saliha Majeed-Hajaj, Laura J Hughes, Naresh Khapangi Magar, Debbie Isobel Keeling, Jo Armes, Kavian Kulasabanathan, Elizabeth Ford ¹, Rebecca Sharp, Alackie A Cassell ¹