Welcome and Introductions

Frailty ICARE: *what's the latest?*

1. **Workforce:** Re-pitch to ICS Workforce workstream on 24th June postponed at their request due to new Chair [Mike Curtis] and reconfiguration of processes

2. **Digital:** process agreed for accessing funding to test innovations via ICS Digital workstream; Housing CoPpers and Sight Service projects focussed upon currently

3. **Ageing Well ICOPE Programme:** still progressing, defining metrics for programme and developing the Community Services Dataset [CSDS]

Frailty ICARE: *what's the latest?*

3. **Ageing Well ICOPE Programme cont:**

   - *rate of admissions for UC sensitive conditions*

   - *outcomes for those with end of life needs*

   - *% achievement of 2 hrs waiting time for provision of crisis response care*

   - *% achievement of 2 days waiting time for IC [reablement, bed & home based care]*

   - *No of people referred to IC [crisis response, reablement , bed & home based care]*

   - *No of people accepted to IC for above*

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Frailty ICARE: *what's the latest?*

5. **Care Homes:** Ncle Uni, NECS & AHSN collaborative facilitated a learning event to build relationships, share current and future research, understand priorities to shape future direction of local research – ideas collated to follow

6. **Advantage JA:** Face up to Frailty – share what matters to you as a professional working with people living with frailty https://www.inrca.it/inrca/advantage/faceup.asp

7. **Publication:** British Medical Bulletin, tweaked and re-submitted by CoPpers

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Frailty ICARE: *what's the latest?*

8.   **Death in people aged75 years and older in England in 2017:**

- 500,000 deaths each year with 2/3 being over 75 & 1/3 over 90

- dementia was a contributory cause in ¼ of all deaths

- liver disease & cancer increasing, heart disease & stroke has fallen

- single people die in care homes more frequently

- people from more deprived areas die at a younger age and were less likely to die at home or in hospices

https://www.gov.uk/government/publications/death-in-people-aged-75-years-and-older-in-england-in-2017/death-in-people-aged-75-years-and-older-in-england-in-2017

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Continuing our Digital Journey

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Showcasing CoPper:
Modular Housing – the research project

Lindsay Courtney, Housing CoPper
Clinical Lead, HomeGroup Housing Company

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Gateshead Innovation Village

How Home Group and Northumbria University are developing new models of care with digital technology

Lindsay Courtney
Clinical Lead –
Intermediate Care

Gateshead Innovation Village

- 41 new homes:
  - 16 modular
  - 19 MMC
  - 6 traditional

Modular Construction

House-builders go indoors

Across the country a new manufacturing sector is evolving as house-building gradually moves away from open-air building sites and into factories.

By Clare Dowdy | Illustration by Ange Hart

Supported by technology and spurred on by the housing crisis, the off-site manufacture of new homes is on the rise. New London Architecture's recent *Factory-Made Housing* report identified nearly 80 off-site manufacturers around the UK.

Sarah Yates, principal researcher at NLA, says: "The really significant trend is that house-builders and developers are building their own factories. Factory-made housing is the disruptive force in house-building. And a lot of those factories are now starting to deliver in really big numbers." Not only is the housing landscape changing, but so are the businesses that deliver it. "We are seeing the arrival of hybrid house-builder-developer-manufacturers," says Yates, "The advantage is they have complete control over the process."

According to the Government's Housing White Paper of 2017, homes constructed off site can be built up to 30% more quickly than traditional methods and with a potential 25% reduction in costs.

So if these new builders ramp up, they will be able to help with the Government's target of building 300,000 new homes every year for the next 10 to 15 years. Currently only about 220,000 are going up a year, and, of that annual batch, between 4,000 and 6,000 are modular homes.

According to the Office for National Statistics, the UK's industrial sector has increased by 1.4% a year since 1948. The ONS attributes this — in part — to a more skilled workforce, a shift in production from low to high productivity goods; improvements in automation and technology; and increased investment in R&D. Factory-made housing ticks a lot of these boxes, and SEGRO has high hopes for the sector.

Take-out: This revolution must overcome embedded cautious attitudes, as it forces the building sector to challenge convention and embrace innovation

THREE OFF-SITE PIONEERS

Alfreton East Midlands
Urban Splash House Factory

In 2017, the developer Urban Splash bought the factory in which its modular houses were being made. The factory uses volumetric modular technology — meaning an entire 3D pod, complete with four walls, a floor and ceiling is created as a unit and delivered to site as fully constructed. It has the capacity to deliver up to 400 homes per annum.

Selby, North Yorkshire
Legal & General

In 2016, Legal & General launched a business to deliver precision engineered homes more cheaply and quickly. The 550,000 sq ft factory makes modular homes on a moving assembly line. It has the capacity to produce around 10,000 modules a year, which equates to around 3,500 homes.

Flaxby, North Yorkshire
Ilke Homes

Ilke Homes is a British modular homes business specialising in off-site manufacturing of good quality affordable homes, in partnership with housing associations and developers. Its 25,000 sqm factory uses modern methods of construction to build eight modular homes every day. The homes are transported to developments across the country and, once on site, can be installed at a rate of six homes per day. The firm aims to build 2,000 new homes a year within the next 24 months, with plans to scale up to 5,000 homes a year in the next five years.

Gateshead Innovation Village

- Energy efficiency and performance
- Sustainable heating and energy systems:
  - Communal ground source heat pump system with radiator central heating
  - Electric storage heater and the use of Phase Change thermal stores
  - Air source heat pump
  - Infra-red electric heater

NMC house

Assistive Technology principles

Customer focused

Increase social engagement

Regulatory compliant

Flexible and adaptable

Safe and secure

Adaptable to existing technology

Promote independence

Easy to use

Reduce risk

Value for money

Core offer

Future offer

NMC house partnership

What is the proposal ?

Research- 12 months (March 2019- March 2020

Project aim
To explore the potential for providing digital technology support within modular housing to promote residents' independence through monitoring connectivity and activity for 3 client groups – older people, people with learning disability and those with mental health problems.

Method

- 3 monthly cycles of user led technology deployement alongside activity monitoring.
- Each cycle will be user & customer led by a community of practice to define requirements and test assumptions.
- Each 3 month cycle will commence with an onsite meeting with stakeholders from the community of practice to discuss their experiences and talk about data generation, data capture, data collection, desired outcomes and attitudes to technology interventions.
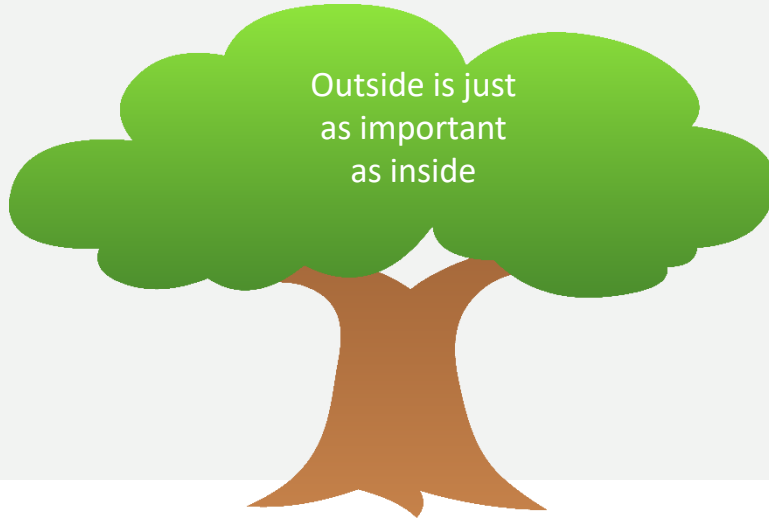
home group

Customer focus- leading the way !

- Contributing to a national body of knowledge utilising a customer focused and inclusive approach to research.

- Supports independence and ageing in a way customers want it and ensures our design assumptions and future offers are market leading.

Garden space will be designed to provide maximum opportunities for customers

Outside is just as important as inside

Research will also look at digital solutions that support independence and engagement of outdoor space

Customer case studies

Challenges

Some Key Themes

Tracking/recording/learning behaviours - commands, helping customers understand their patterns/behaviours, data analysis, sensors, wearables, door entry

Emotional wellbeing - self assessment of mood at intervals , analysis for qualitative feedback, tone of voice analysis

Interventions - door entry, career/family update functions, 2-way communication

Prompting/personal skills - interests and activities, water/food/medication tracking/help

The Future…

Changing the Lives of Visually Impaired Older People:
the Alexa [or other] Project

Sarah French
Mick Sutton
Sight Service Gateshead

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Digital Gateshead
The GrandCare Project

Neil Johnston
GrandCare

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Any Other Business